Snap-on® INDUSTRIAL BRANDS

WILLIAMS® | ATI® ATI TOOLS | CDI TORQUE PRODUCTS®






PEOPLE+PRODUCTS+PROGRAMS
=
THE MOST VALUED PRODUCTIVITY SOLUTIONS IN THE WORLD

Success in business requires maximizing productivity, especially when facing tough jobs, tight deadlines, and demanding tasks. So what's the formula for achieving and maintaining the highest levels of productivity?

OUR PEOPLE are experienced, dedicated and prepared to help solve most difficult challenges. We have 400+ solutioneers around the world that can help you achieve your critical tasks.

OUR PRODUCTS are engineered to withstand critical applications and meet your unique requirements. Our engineers think ahead, challenge the norms, and constantly search for new and innovative ways to do the job, and put an extra margin of safety into every tool we make.

OUR PROGRAMS deliver differentiated and meaningful solutions. We offer training on the safe use of tools, proper application of torque, lean principles and cost savings.





QUICK REFERENCE

Snap-on INDUSTRIAL BRANDS

WILLIAMS | ATI TOOLS | CDI TORQUE PRODUCTS

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snapon.com/industrialbrands

TRUST+SAFETY+INNOVATION
=
THE MOST VALUED PRODUCTIVITY SOLUTIONS IN THE INDUSTRY

Each of the Snap-on Industrial Brands have a **UNIQUE AND POWERFUL HISTORY** of earning the trust of the millions of businesses that have purchased and used our tools.

WILLIAMS®

Since 1882 **WILLIAMS** has met the harshest challenges of the most demanding industries.

ATI® TOOLS

With seventy years of experience in Airframe tooling, **ATI** delivers every imaginable tool when it comes to drilling, countersinking, riveting and bucking procedures.

CDI TORQUE PRODUCTS®

CDI manufactures and sells more professional-grade torque products than anyone in the world. We pioneered the development of digital torque measuring instruments.

Worker **SAFETY** is paramount. We design and manufacture high quality products with safety features and offer on-site safety training and inspections.

Since 2011, we have introduced 3,500 new products. **INNOVATION** has been the driving force behind our success. We accomplish this by being passionate about connecting with customers and delivering solutions to make work easier and faster.

In the pages of this catalog, you'll see that winning formula applied, where the sum of the trust in our products, the safety we ensure, and the innovation we provide, all add up to the most valued productivity solutions in the industry and in the world.



MASTER SETS

TACKLE INCREASINGLY COMPLEX MAINTENANCE TASKS WITH OUR MASTER TOOL SETS

• A FULL COMPLEMENT OF WRENCHES • SELECTION OF KEY HAND TOOLS • TOOL STORAGE INCLUDED

WHATEVER THE INDUSTRY, OUR MASTER TOOL SETS WILL HELP YOU KEEP YOUR EQUIPMENT AND ASSETS WORKING. GET YOUR WORK DONE FASTER, EASIER AND SAFER.

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



DEPENDING ON YOUR APPLICATION, SETS IN VARIOUS FORMATS AND SIZES AVAILABLE TO MEET YOUR SPECIFIC NEEDS

COMPLETE MONSTER SET WITH TOOL BOXES - WSMSC-595TB
MONSTER TOOL SET ONLY - WSMSC-595

P.20-21

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

Master Sets with Tools Only Product Code	WSC-409-TH	WSC-225-TH	WSC-116-TH	WSC-73-TH	WSC-1390	WSC-1390MM	WSC-1390SAE	WSC-960
Description	Tools @ Height Master Maintenance Set	Tools @ Height Intermediate Maintenance Service Set	Tools @ Height General Maintenance Service Set	Tools @ Height Basic Maintenance Service Set	Mammoth Tool Set Only	Mammoth Tool Set with Metric Wrenches and sockets Only	Mammoth tool Set with Fractional Wrenches and Sockets Only	Mega tool set Only
# of Pieces	407	225	116	73	1384	811	991	956
Master Sets with Tool Box Product Code	WSC-409-THTB	WSC-225-THTB	WSC-116-THTB		WSC-1390TB			WSC-960TB
Tool Boxes for Master Sets	W40TC4	W26TC4	50950		W40TC4			W55TC10
	W40RC7	W26RC7			W40RC7			W55RC11
					W55TC10			50721
					W55RC11			50855
					50721			
					50855			
Page #	10	11	12	13	15	15	15	17
SAE/METRIC	SAE	SAE	SAE	SAE	Both	Metric	SAE	Both
Chisels & Punches	24	13	7	3	27	27	27	27
Clamps	2				2	2	2	2
Electric Crimping Pliers					5	5	5	3
Electrical Specialty Tools								
Extractors								
Feeler Gauge								
Files					12	12	12	12
Gear Pullers					41	41	41	25
Hacksaw								
Hammers	12	7	4	2	16	16	16	16
Hand Sockets	128	73	27	13	417	198	219	281
Hex keys	24	9	1	1	85	85	85	59
Holesaw Sets					17	17	17	
Impact Drive Tools	3				24	24	24	9
Impact Sockets	32	1			187	78	109	135
Knives					2	2	2	3
Miscellaneous Tools	15	14	6	5	23	23	23	24
Nutdrivers	7							
Pick up Tool/Mirror								
Pipe Specialty Tools								
Pipe Wrenches								
Pliers	15	10	8	5	63	63	63	67
Pliers- Electrical								
Pliers - Insulated								
Pry Bars					6	6	6	4
Ratchets, Drive Tools, and Accessories	25	17	10	5	58	58	58	58
Saws and Saw Blades					36	36	36	26
Scrapers					7	7	7	6
Screwdrivers	10	8	6	3	36	36	36	38
Screwdrivers - Insulated								
Snips					5	5	5	3
Tape Measure								
T- Handles								
Tools@Height ethers, Lanyards & Specialities	22	22	22	21				
Torque Wrenches					3	3	3	2
Utility Tools								
Wrenches	88	49	24	14	312	117	195	156



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

MASTER SETS

MASTER SETS CHART

	WSC-960MM	WSC-960SAE	WSC-680	WSC-680MM	WSC-680SAE	WSC-595	WSC-352	WSC-317	WSC-277	WMSC-344
	Mega Tool Set with Metric Wrenches and Sockets Only	Mega Tool Set with Fractional Wrenches and Socket Sets	Maxxum Tool Set Only	Maxxum Tool Set with Metric Wrenches and Sockets Only	Maxxum Tool set wih Fractional Wrenches and Sockets Only	Monster Tool Set	Master Maintenance Service Set	Intermediate Technician's Tool Set	Advanced Maintenance Service Set Tools Only	Petroleum Oilfield Service Set
	557	804	677	410	538	595	350	306	275	274
			WSC-680TB			WSC-595TB	WSC-352TB	WSC-317TB	WSC-277TB	WMSC-344TB
			W55TC10			W55TC10	W40TC4	W40RC7	W40TC4	W40RC7
			W55RC11			W55RC11	W40RC7	W40TC4	W40RC7	W40TC4
			50721							
	17	17	19	19	19	21	22	23	24	25
	Metric	SAE	Both	Metric	SAE	Both	SAE	Both	SAE	Both
	27	27	27	27	27	19	19	9	17	8
	2	2	2	2	2		2			
	3	3	3	3	3					
								9		
								1		
	12	12	11	11	11		6	4	6	
	25	25								
						2				
	16	16	15	15	15	10	7	4	3	2
	85	196	192	57	126	290	116	133	100	179
	69	69	51	51	51	44		22		
	9	9	12	12	12		4		2	
	36	99	87	29	51		38		16	
	3	3	2	2	2	1				
	24	24	23	23	23	30	3		8	
						19				
										1
	67	67	45	45	45	14	15	11	12	15
	4	4	6	6	6	2				3
	58	58	46	46	46	20	28	28	24	15
	26	26	13	13	13		8		8	
	6	6	2	2	2		1			1
	38	38	29	29	29	21	18	8	18	8
	3	3	3	3	3	3	4			
						1		1		
	2	2	2	2	2			2		
										8
	53	103	106	39	67	119	81	74	61	32

Master Sets with Tools Only Product Code	WSC-281	WSC-238	WSC-231	WSC-173	WSC-172	WSC-167	WMSC-142	WSC-137
Description	Oilfield Tool Set	General Maintenance Set	Maintenance Tools Only	Intermediate Maintenance Service Tools Only	Heavy Maintenance Service Tools Only	Electrical Maintenance Service Set Tools Only	Petroleum Oilfield Service Set	Industrial Plumbing & Pipefitting Tool Set
# of Pieces	263	236	218	171	170	166	141	136
Master Sets with Tool Box Product Code	WSC-281TB	WSC-238TB	WSC-231TB	WSC-173TB	WSC-172TB	WSC-167TB	WMSC-142TB	WSC-137TB
Tool Boxes for Master Sets	W40TC4	W26RC7	50871	W26TC4	W40RC7	W40RC7	W40RC7	W40RC7
	W40RC7		50901	W26RC7				
Page #	26	27	28	29	30	31	32	32
SAE/METRIC	Both	Both	SAE	SAE	SAE	SAE	Both	SAE
Chisels & Punches	15	16	9	12	17			12
Clamps	2		2		2			1
Electric Crimping Pliers								
Electrical Specialty Tools						2		
Extractors								
Feeler Gauge					1			
Files			6	6				
Gear Pullers								
Hacksaw			1					
Hammers	4	2	1	1	6	3		3
Hand Sockets	94	97	89	66	55	28	65	
Hex keys	22	17						
Holesaw Sets								
Impact Drive Tools								
Impact Sockets								
Knives								
Miscellaneous Tools	10			6		9		12
Nutdrivers	7		7					
Pick up Tool/Mirror							2	
Pipe Specialty Tools	3							19
Pipe Wrenches								4
Pliers	14	10	6	5	8	8	10	8
Pliers- Electrical						12		
Pliers - Insulated						5		
Pry Bars	2							
Ratchets, Drive Tools, and Accessories	22	18	27	16	17	7	11	
Saws and Saw Blades				1		32		32
Scrapers	1		2					
Screwdrivers	8	21	21	15	10	14	12	9
Screwdrivers - Insulated						11		
Snips	2		3					
Tape Measure								
T- Handles							10	
Tools@Height ethers, Lanyards & Specialities								
Torque Wrenches	2							
Utility Tools								
Wrenches	55	55	44	43	54	35	31	36



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

	WSC-130	WSC-102	MSOS-102	WSC-95	WSC-88	WSC-80	WSC-41	MSC-225	MSC-118
	Maintenance Tools Only	Basic Macine Repair Set Tools Only	Oilfield Service Set	Basic Electric Repair Set	General Industrial Repair Set	General Service Set	Basic Service Set	Metric Maintenance Service Set	Metric Heavy Equipment Service Set
	129	101	101	94	87	79	40	224	117
	WSC-130TB	WSC-102TB	MSOS-102TB	WSC-95TB	WSC-88TB	WSC-80TB	WSC-41TB	MSC-225TB	MSC-118TB
	50721	W26RC7	W26RC7	50721	W26RC7	50721	50721	W40RC7	W40RC7
	33	34	34	35	35	36	36	37	38
	SAE	SAE	Both	SAE	SAE	SAE	SAE	Metric	Metric
	1	7	8			8	3	18	7
					1				
		1			1	1			
	2	4	1	1		1	1	6	3
	41	38	34	22	34	24	14	120	42
	13		13						
	10	6	5	5	4	6	3	10	4
				4					
				4					
	21	5	9	7	7	16	5	8	12
	21	5	8	13	8	6	3	15	10
				10					
								1	
			4						
	20	35	19	28	32	17	11	46	39

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

409 PIECE TOOLS@HEIGHT MASTER MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	17	Miscellaneous Tools	15
Combination, Box, & Open End Wrenches	71	Pliers	15
Hammers	12	Pry Bars, Punches & Chisels	24
Hand Sockets, Ratchets, & Accessories	155	Screwdrivers & Nut drivers	17
Hex Keys & Sockets	24	Tool Storage	2
Impact Sockets & Accessories	35	Tools@Height Tethers, Lanyards,& Specialities	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-409-THTB	Complete Tools@Height Master Maintenance Tool Set With Tool Boxes (409 Pieces Total)
WSC-409-TH	Complete Tools@Height Master Maintenance Tool Set Only 407 Pieces Total)

Tool Boxes Included

Product Code	Description
W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Master Maintenance set provides a great assortment of tools for all types of maintenance applications. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 122. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 115 through 123.

W40TC4



W40RC7





WSC-409-TH



Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

W26TC4



W26RC7









WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

225 PIECE TOOLS@HEIGHT INTERMEDIATE MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	4	Miscellaneous Tools	14
Combination, Box, & Open End Wrenches	45	Pliers	10
Hammers	7	Pry Bars, Punches & Chisels	13
Hand Sockets, Ratchets, & Accessories	90	Screwdrivers & Nut drivers	8
Hex Keys & Sockets	9	Tool Storage	2
Impact Sockets & Accessories	1	Tools@Height Tethers, Lanyards,& Specialities	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-225-THTB	Complete Tools@Height Intermediate Tool Set With Tool Boxes (225 Pieces Total)
WSC-225-TH	Complete Tools@Height Intermediate Tool Set Only (223 Pieces Total)

Tool Boxes Included

Product Code	Description
W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Intermediate Maintenance set provides a full complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 122. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 115 through 123.



WSC-225-TH

WILLIAMS® TOOLS @ HEIGHT® DROP PREVENTION SYSTEM

116 PIECE TOOLS@HEIGHT GENERAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	2	Pliers	8
Combination, Box, & Open End Wrenches	22	Pry Bars, Punches & Chisels	7
Hammers	4	Screwdrivers & Nut drivers	6
Hand Sockets, Ratchets, & Accessories	37	Tool Storage	1
Hex Keys & Sockets	1	Tools@Height Tethers, Lanyards,& Specialities	22
Miscellaneous Tools	6		

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-116-THTB	Complete Tools@Height General Service Tool Set With Tool Box (116 Pieces Total)
WSC-116-TH	Complete Tools@Height General Service Tool Set Only (115 Pieces Total)

Tool Boxes Included

Product Code	Description
50950	32" Wide x 19" Deep Job Site Box

Features

- The Tools@Height General Maintenance Service set provides a solid complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 122. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 115 through 123.



50950








WSC-116-TH



Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

72 PIECE TOOLS@HEIGHT BASIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	1
Combination, Box, & Open End Wrenches	13
Hammers	2
Hand Sockets, Ratchets, & Accessories	18
Hex Keys & Sockets	1
Miscellaneous Tools	5
Pliers	5
Pry Bars, Punches & Chisels	3
Screwdrivers & Nut drivers	3
Tools@Height Tethers, Lanyards,& Specialties	21

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-72-TH	Complete Tools@Height Basic Maintenance Tool Set in Safe Bucket

Features

- Furnished in Safe Bucket for easy portability. Safety right out of the box.
- The Tools@Height Basic Maintenance set provides a good start to a Tools@Height tool program. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses

Snap-on Industrial Brands' Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt. An assortment of Comfort and Utility belts can be found on page 122. The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 115 through 123.



WSC-72-TH



WSC–1390TB

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Professional industrial cabinets W40RC7-W40TC4 are also included in WSC-1390TB

WILLIAMS® CDI TORQUE PRODUCTS

1,390 PIECE MAMMOTH TOOL SET

The largest tool set in the industry. Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	5
Files	12
Gear Pullers	41
Hammers	16
Hand Sockets	417
Hex Keys	85
Holesaw Set	17
Impact Drive Tools	24
Impact Sockets	187
Knives	2
Miscellaneous Tools	23
Pliers	63
Pry Bars	6
Ratchets, Drive Tools, and Accessories	58
Saws and Saw Blades	36
Scrapers	7
Screwdrivers	36
Snips	5
Tool Boxes	6
Torque Wrenches	3
Wrenches	312

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-1390TB	Complete Mammoth Tool Set with Tool Boxes (1390 Pieces Total)
WSC-1390	Mammoth Tool Set Only (1384 Pieces)
WSC-1390SAE	Mammoth Tool Set with Fractional Wrenches and Sockets Only Tools Only - 991 Pieces (Not Pictured)
WSC-1390MM	Mammoth Tool Set with Metric Wrenches and Sockets Only Tools Only - 811 Pieces (Not Pictured)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet
W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid
50855	37" 1 Shelf Heavy Duty Tall Side Cabinet

Features

- It's better to have it and not need it than need it and not have it - and with this tool set, you're almost certain to have what you need. This set contains the tools to handle almost any job your shop is likely to see, in both fractional and metric sizes. It includes a comprehensive assortment of sockets, ratchets, and accessories in 1/4", 3/8", 1/2", and 3/4" drive, for both hand and impact use. A full complement of wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. A comprehensive assortment of screwdrivers, pliers, hammers, punches and chisels, is there when you need them, and specialty items such as gear pullers, saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out this truly Mammoth tool set.
- You'll want to keep your tools safe and secure, and our industry-leading Mammoth Tool Set includes the storage cabinets necessary to do that. Two top-chest / roll-cabinet combinations are included, as well as a side cabinet and rolling three-drawer tool cart. A total of 35 drawers and over 75,000 cubic inches of storage capacity will help you organize your tools effectively. And the mobile tool cart helps bring your tools to the job, where you need them.
- Whatever the industry, this set will help you keep your equipment and assets working, helping you compete more effectively. Get your work done faster, easier, and safer with the Mammoth Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.



WSC–960TB



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

WILLIAMS® CDI TORQUE PRODUCTS

960 PIECE MEGA TOOL SET

A comprehensive assortment. Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	3
Files	12
Gear Pullers	25
Hammers	16
Hand Sockets	281
Hex Keys	59
Impact Sockets	135
Impact Drive Tools	9
Knives	3
Miscellaneous Tools	24
Pliers	67
Pry Bars	4
Ratchets, Drive Tools, and Accessories	58
Saws and Saw Blades	26
Scrapers	6
Screwdrivers	38
Snips	3
Tool Boxes	4
Torque Wrenches	2
Wrenches	156

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-960TB	Complete Mega Tool Set with Tool Boxes (960 Pieces Total)
WSC-960	Mega Tool Set Only (956 Pieces)
WSC-960SAE	Mega Tool Set with Fractional Wrenches and Sockets Only Tools Only - 804 Pieces (Not Pictured)
WSC-960MM	Mega Tool Set with Metric Wrenches and Sockets Only Tools Only - 557 Pieces (Not Pictured)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid
50855	37" 1 Shelf Heavy Duty Tall Side Cabinet

Features

- The Mega Set contains a comprehensive assortment of tools, in both fractional and metric sizes. Includes an extensive assortment of sockets, ratchets, and accessories in 1/4", 3/8", 1/2", and 3/4" drive, for both hand and impact use. A full complement of wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Over 150 screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as gear pullers, saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out the Mega Set from Snap-on Industrial Brands.
- Mega Set includes the tool storage cabinets necessary to organize your tools. A top-chest / roll-cabinet combination is included, as well as a side cabinet and rolling three-drawer tool cart. A total of 26 drawers and over 45,000 cubic inches of storage capacity will help you store your tools effectively. The mobile tool cart helps bring your tools to the job, where you need them.
- Get your work done faster, easier, and safer with the Mega Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.



WSC–680TB



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

WILLIAMS® CDI TORQUE PRODUCTS

680 PIECE MAXXUM TOOL SET

Contains the following tools:

Product Catagory	Number of Pieces
Chisel and Punches	27
Clamps	2
Electrical Crimping Pliers	3
Files	11
Hammers	15
Hand Sockets	192
Hex Keys	51
Impact Sockets	87
Impact Drive Tools	12
Knives	2
Miscellaneous Tools	23
Pliers	45
Pry Bars	6
Ratchets, Drive Tools, and Accessories	46
Saws and Saw Blades	13
Scrapers	2
Screwdrivers	29
Snips	3
Tool Boxes	3
Torque Wrenches	2
Wrenches	106

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-680TB	Complete Maxxum Tool Set with Tool Boxes (680 Pieces Total)
WSC-680	Maxxum Tool Set Only (677 Pieces)
WSC-680SAE	Maxxum Tool Set with Fractional Wrenches and Sockets Only Tools Only - 538 Pieces (Not Pictured)
WSC-680MM	Maxxum Tool Set with Metric Wrenches and Sockets Only Tools Only - 410 Pieces (Not Pictured)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10-Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11-Drawer Roll Cabinet
50721	3-Drawer Service Cart with Lid

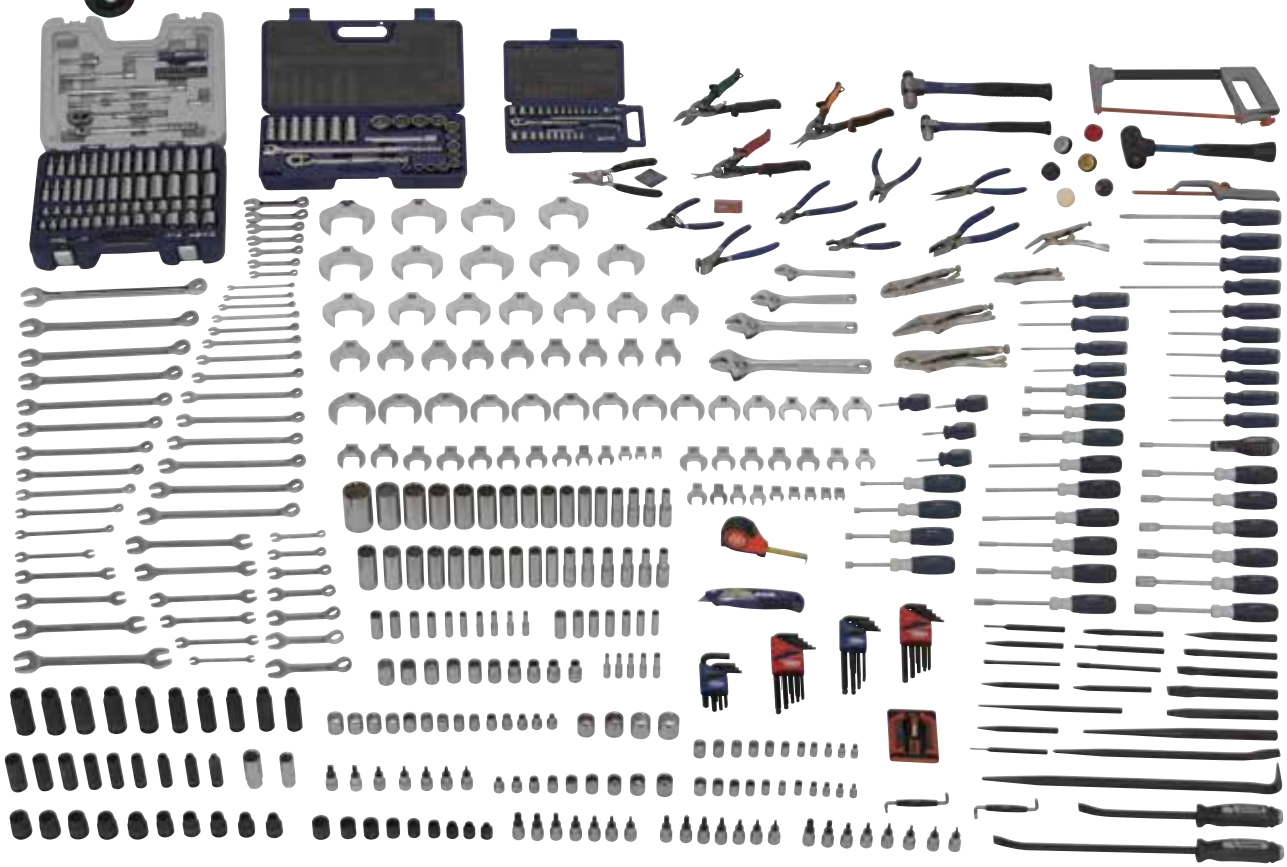
Features

- The Maxxum Set contains a full complement of tools, in both fractional and metric sizes. It includes an assortment of sockets, ratchets, and accessories in 1/4", 3/8", and 1/2" drive, for both hand and impact use. Hand wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Over 100 screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as saws, scrapers, and other tools for industrial maintenance mechanics and tradesmen round out the Maxxum Set from Snap-on Industrial Brands.
- Maxxum includes the tool storage cabinets necessary to organize your tools. A top-chest / roll-cabinet combination is included, as well as a rolling three-drawer tool cart. A total of 26 drawers and over 35,000 cubic inches of storage capacity will help you store your tools effectively. The mobile tool cart helps bring your tools to the job, where you need them.
- Get your work done faster, easier, and safer with the Maxxum Tool Set from Snap-on Industrial Brands. All other tool sets are simply ordinary.



W55TC10

W55RC11



WSC–595TB

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

WILLIAMS

595 PIECE MONSTER TOOL SET

Contains the following tools:

Product Catagory	Number of Pieces
Crowfoot Wrenches	65
Hacksaw Frame	2
Hammer	10
Hex Key	44
knives	1
Miscellaneous Tools	30
Nut drive	19
Pliers	14
Pry Bars	2
Punch & Chisels	19
Screwdriver	21
Snips	3
Sockets, Ratchets, Drive Tools and Accessories	310
Tape Measure	1
Wrenches	54

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSMSC-595TB	Complete Master Tool Set with Tool Boxes (597 Piece Total)
WSMSC-595	Master Tool Set Only (595 Pieces)

Tool Boxes Included

W55TC10	55" Wide x 20" Deep 10 Drawer Top Chest
W55RC11	55" Wide x 20" Deep 11 Drawer Tool Cabinet

Features

- The Monster Set contains a full complement of tools, in both fractional and metric sizes. It includes an assortment of sockets, ratchets, and accessories in 1/4", 3/8", and 1/2" drive.
- Hand wrenches in a number of styles helps you tackle increasingly complex maintenance tasks. Also included are screwdrivers, pliers, hammers, punches and chisels, are included, and specialty items such as hacksaws, tape measure, and other tools for industrial maintenance mechanics and tradesmen round out this Master set from Snap-on Industrial Brands.
- Includes the tool storage cabinets necessary to organize your tools. A top-chest /roll-cabinet combination is included.
- Get your work done faster, easier, and safer with this Master Tool Set from
- Snap-on Industrial Brands. All other tool sets are simply ordinary.

WILLIAMS®

352 PIECE MASTER MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	19
Clamps	2
Files	6
Hammers	7
Hand Sockets	116
Impact Drive Tools	4
Impact Sockets	38
Miscellaneous Tools	3
Pliers	15
Ratchets, Drive Tools, and Accessories	28
Saws and Saw Blades	8
Scrapers	1
Screwdrivers	18
Snips	4
Tool Boxes	2
Wrenches	81

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-352TB	352 Piece Master Maintenance Service Set with Tool Boxes
WSC-352	Tool Set Only (350 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

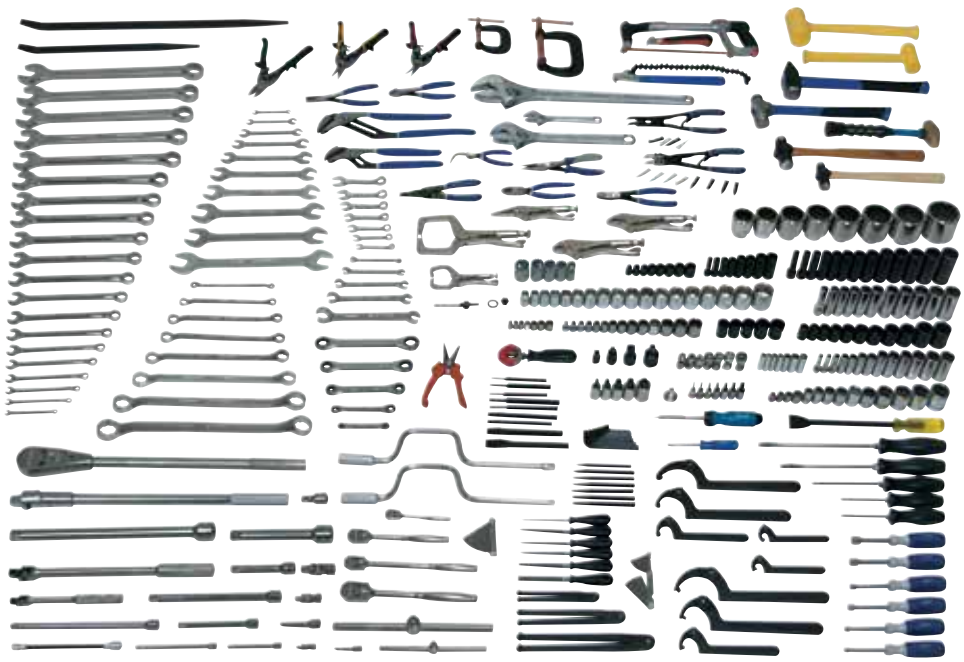
W40TC4



W40RC7

Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of fractional wrenches, hand and impact sockets, and popular 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.



WSC-352

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

W40TC4



W40RC7

WILLIAMS® CDI TORQUE PRODUCTS

308 PIECE INTERMEDIATE TECHNICIAN'S TOOL SET

Contains the following tools:

Product Catagory	Number of Pieces
Chisel and Punches	9
Extractor	9
Feeler Gauge	1
Files	4
Hammers	4
Hex Keys	22
Pliers	11
Ratchets, Drive Tools, and Accessories	28
Screwdrivers	8
Hand Sockets	133
Tape Measure	1
Torque Wrenches	2
Wrenches	74

Note: Complete set contents are listed in appendix A

Set Configurations Available

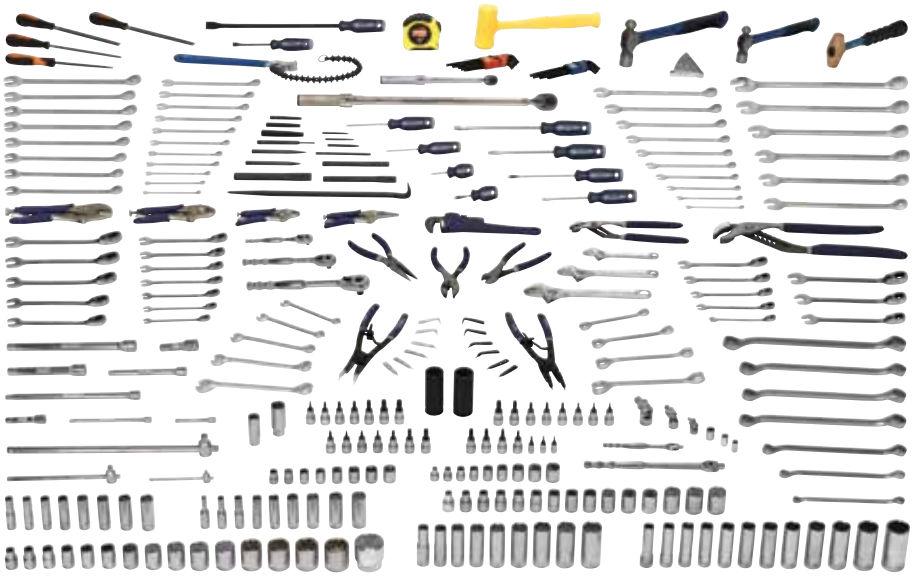
Product Code	Description
WSC-317TB	308 Piece Tool Set with Tool Boxes
WSC-317	Tool Set Only (306 Pieces)

Tool Boxes Included

W40RC7	40" 4 Drawer Professional Top Chest
W40TC4	40" 7 Drawer Professional Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand and impact sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.



WSC-317

WILLIAMS

277 PIECE ADVANCED MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	17
Files	6
Hammers	3
Hand Sockets	100
Impact Drive Tools	2
Impact Sockets	16
Miscellaneous Tools	8
Pliers	12
Ratchets, Drive Tools, and Accessories	24
Saws and Saw Blades	8
Screwdrivers	18
Tool Boxes	2
Wrenches	61

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-277TB	277 Piece Advanced Maintenance Service Set with Tool Boxes
WSC-277	Tool Set Only (275 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand and impact sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as pliers, screwdrivers, hammers, punches, chisels, and other tools round out the offering.

W40TC4



W40RC7



WSC–277



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



WILLIAMS

274 PIECE PETROLEUM OIL FIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punch	8
Haer	2
Pipe Wrenches	1
Pliers	15
Prybar	3
Ratchets, Drive Tools & Accessories	15
Scraper	1
Screwdrivers	8
Sockets	103
Utility Tools	8
Wrenches	32

Note: Complete set contents are listed in Appendix A

Set Configurations Available

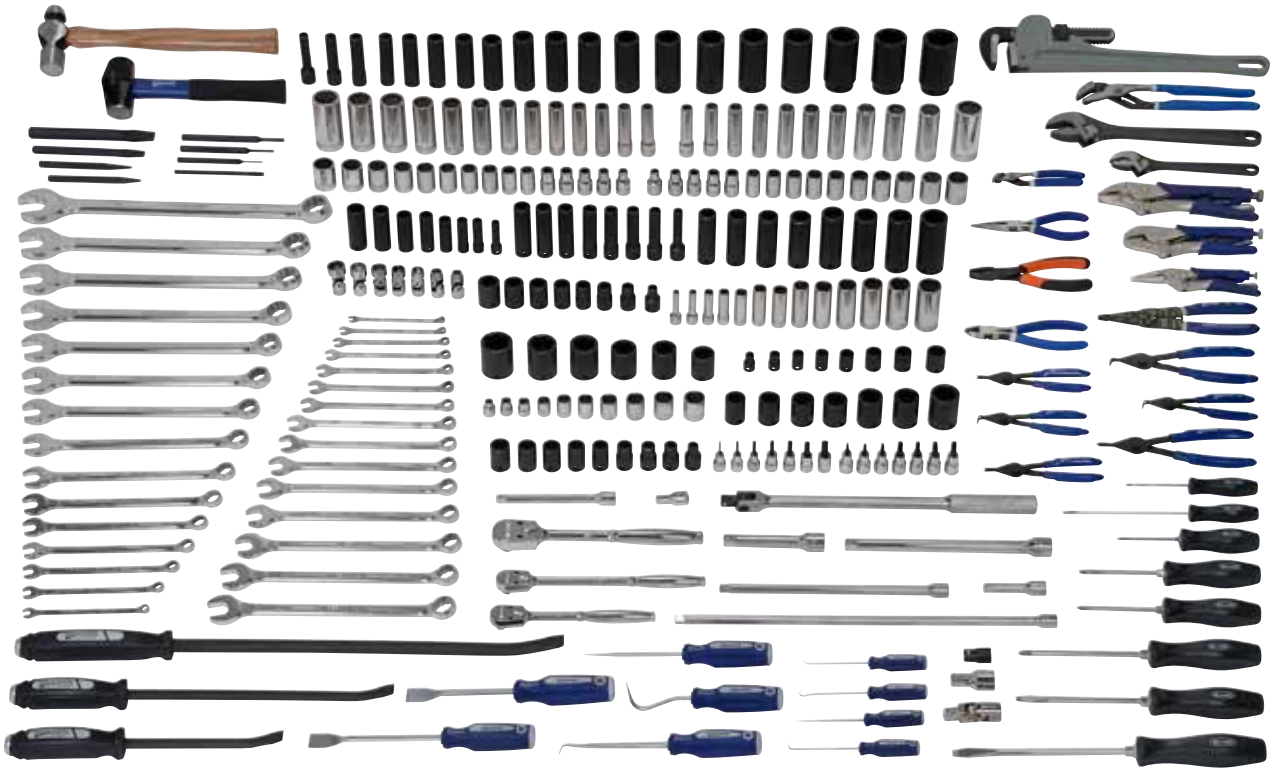
Product Code	Description
WMSC-344TB	274 Piece Petroleum Oilfield Service Set
WMSC-344	Tool Set Only (272 Pieces)

Tool Boxes Included

W40TC4	40" 4 Drawer Professional Top Chest
W40RC7	40" 7 Drawer Professional Roll Cabinet

Features

- The set provides the tools necessary for Petroleum Oil field general service and repair applications. Included are a wide variety of chisels, punches, haers, pliers, adjustable wrenches, pipe wrenches, 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is professional utility tools and scrapers.



WILLIAMS

265 PIECE OIL FIELD TOOL SET

Contains the following tools:

Product Category	Number of Pieces
C-Clamp	2
Chain Wrench	1
Hammer	4
Hex Key	22
Miscellaneous	9
Nut Drivers	7
Pipe Wrench	2
Pliers	14
Pry Bar	2
Puller	1
Punch & Chisels	15
Ratchets, Drive Tools and Accessories	22
Scraper	1
Screwdrivers	8
Snips	2
Sockets	94
Torque Wrench	2
Wrenches	55

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-281TB	Complete Oilfield Tool Set with Tool Boxes (265 Piece Total)
WSC-281	Oilfield Tool set only (263 Pieces)

Tool Boxes Included

W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The set provides the tools necessary for Oilfield general service and repair applications. Included are a wide variety of pliers, box wrenches, combination wrenches, flare wrenches, 1/4", 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is c-clamps, chain wrench and other tools.

W40TC4



W40RC7



WSC-281

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

W26TC4



W26RC7

WILLIAMS®

238 PIECE GENERAL MAINTENANCE SET

Contains the following tools:

Product Category	Number of Pieces
Hammer	2
Hex Key	17
Pliers	10
Punch & Chisels	16
Ratchet, Drive Tools and Accessories	18
Screwdriver	21
Sockets	97
Wrenches	55

Note: Complete set contents are listed in Appendix A

Set Configurations Available

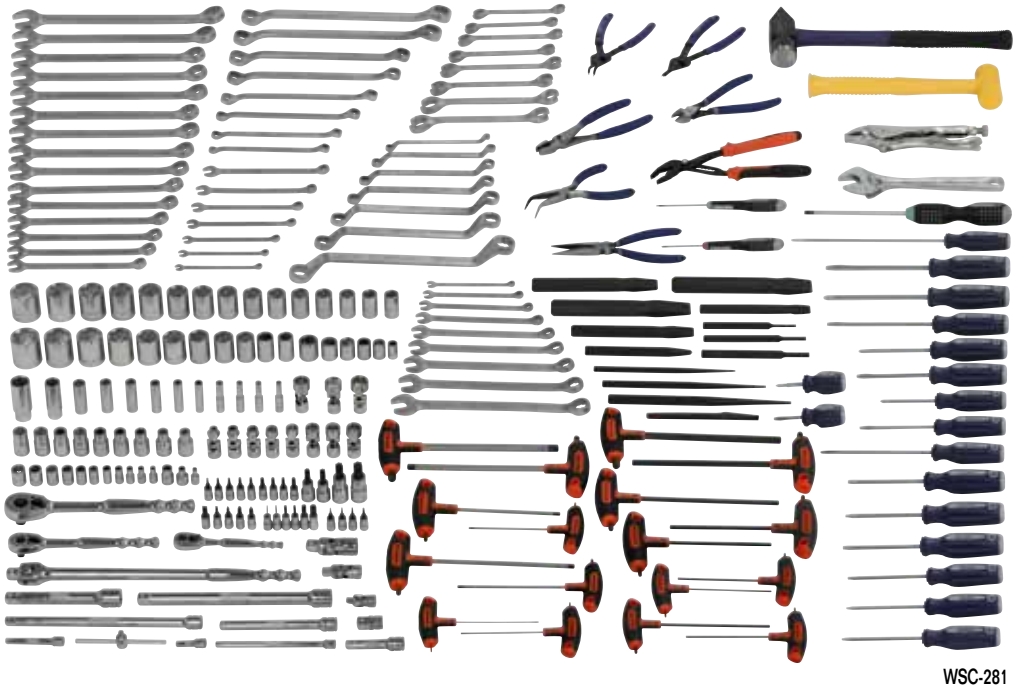
Product Code	Description
WSC-238TB	Complete General Mainteance with Tool Boxes (238 Piece Total) + Foam
WSC-238	General Mainteance Tool set only (236 Pieces)

Tool Boxes Included

W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The set provides the tools necessary for many general service and repair applications. Included are a wide variety of pliers, box wrenches, hex keys, flare wrenches, 1/4", 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is punch, chisels, hammers and other tools.



WSC-281

WILLIAMS

220 PIECE MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces
C-Clamps	2
Chisels & Punches	9
Hammers	1
Files	6
Hacksaws	1
Nutdrivers	7
Pliers	6
Ratchet, Drive Tools & Accessories	27
Scrapers	2
Screwdrivers & Bits	21
Snips	3
Sockets	91
Wrenches	44

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-231TB	220 Piece Maintenace Tool Set
WSC-231	Tool Set Only (218 Pieces)

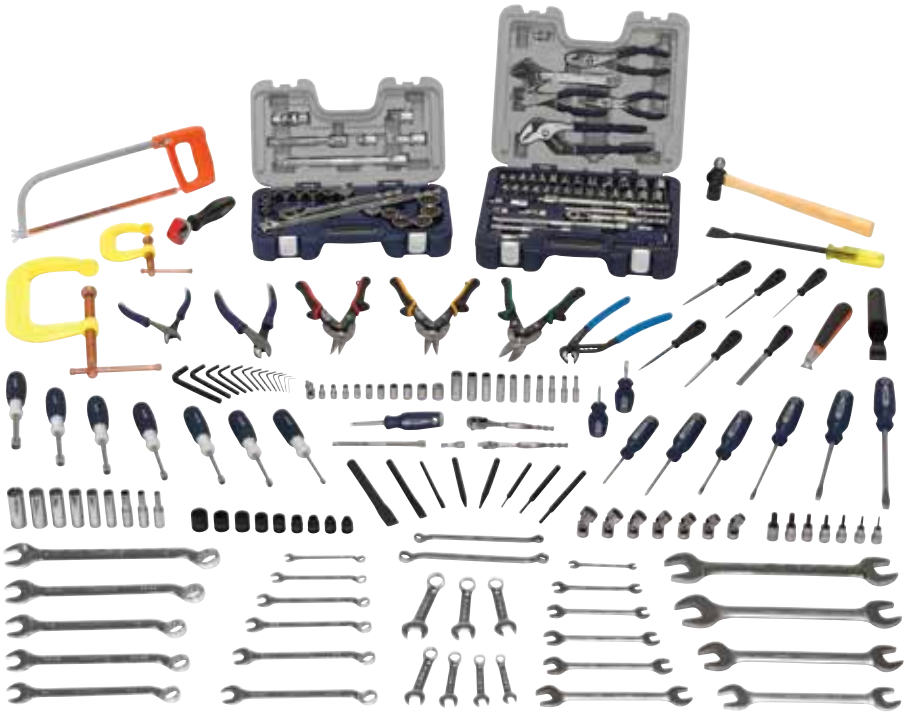
Tool Boxes Included

50871	27" 10 Drawer Heavy Duty Roller Bearing Top Chest
50901	27" 8 Drawer Heavy Duty Roller Bearing Roll Cabinet

Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of adjustable wrenches, locking pliers, screwdrivers, hammers and 1/4" 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels and pliers are also included.





WSC-231

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



WILLIAMS

173 PIECE INTERMEDIATE MAINTENANCE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	12
Files	6
Hammers	1
Hand Sockets	66
Miscellaneous Tools	6
Pliers	5
Ratchets, Drive Tools, and Accessories	16
Saws and Saw Blades	1
Screwdrivers	15
Tool Boxes	2
Wrenches	43

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-173TB	173 Piece Intermediate Maintenance Service Set with Tool Boxes
WSC-173	Tool Set Only (171 Pieces)

Tool Boxes Included

W26TC4	26" Wide x 20" Deep 4-Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set provides the tools necessary for many general service and repair applications. Included are a variety of fractional wrenches, hand sockets, and 1/4", 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels, and pliersis also included.



WSC–173

WILLIAMS

171 PIECE HEAVY MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	17
Clamps	2
Feeler Gauge Set	1
Hammers	6
Hand Sockets	55
Pliers	8
Ratchets, Drive Tools, and Accessories	17
Screwdrivers	10
Tool Box	1
Wrenches	54

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-172TB	171 Piece Heavy Maintenance Service Set with Tool Box
WSC-172	Tool Set Only (170 Pieces)

Tool Box Included

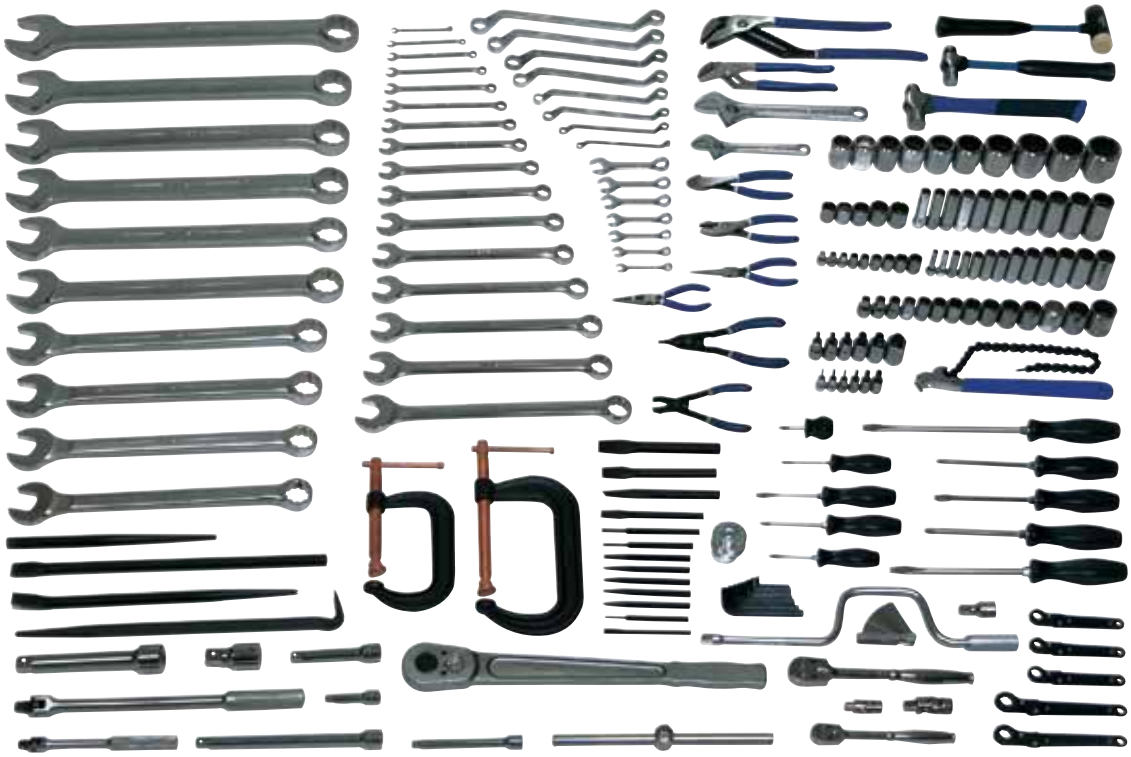
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that performs maintenance on heavy equipment, this set emphasizes larger tools, including combination wrenches up to 2" and sockets up to 1-3/4". Ratchets, drive tools, and fractional sockets in 3/8", 1/2", and 3/4" drive are included, as well as a complement of screwdrivers, pliers, chisels, punches, hammers, and other common tools. If you need a basic assortment of beefy tools, this is the set for you.



W40RC7



WSC–172

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



W40RC7

WILLIAMS

167 PIECE ELECTRICAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Electrical Specialty Tools	2
Hammers	3
Hand Sockets	28
Miscellaneous Tools	9
Pliers	8
Pliers - Electrical	12
Pliers - Insulated	5
Ratchets, Drive Tools, and Accessories	7
Saws and Saw Blades	32
Screwdrivers	14
Screwdrivers - Insulated	11
Tool Box	1
Wrenches	35

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-167TB	167 Piece Electrical Maintenance Service Set with Tool Box
WSC-167	Tool Set Only (166 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed to satisfy electrical maintenance tool requirements, this set has both the standard hand tools and special tools needed to accomplish a wide variety of electrical maintenance and installation. Start with 1/4" and 3/8" drive sockets and accessories, hammers, and hand wrenches, and add the special items needed for electrical work:
- Insulated and non-insulated pliers and screwdrivers.
- A electrician's holesaw set and a 10-pack of assorted recip blades.
- A comprehensive assortment of electrical strippers / crimpers / cutters.
- Drywall, hacksaw, and toolbox saws.
- And a full-size roll cabinet to organize, store, and move your tool set. Unique in the industry, this set will help you get those critical electrical maintenance tasks done quickly, efficiently, professionally, and safely.



WSC–167

WILLIAMS

142 PIECE PETROLEUM OIL FIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Pick up Tool/Mirror	2	Screwdrivers	12
Pliers	10	Sockets	68
Ratchet, Drive Tools & Accessories	11	T-Handles	10
		Wrenches	31

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WMSC-142TB	142 Piece Petroleum Oilfield Service Set
WMSC-142	Tool Set Only (141 Pieces)

Tool Boxes Included

W40RC7	40" Wide x 20" Deep 7 Drawer Roll Cabinet

Features

- The set provides the tools necessary for Petroleum Oilfield general service and repair applications. Included are a wide variety of pliers, adjustable wrenches, combination wrenches, ratcheting combination wrenches, 1/4" and 3/8" drive sockets, ratchets and accessories. Also includes is professional pick up tools and mirror.



W40RC7



WMSC–142

WILLIAMS

137 PIECE INDUSTRIAL PLUMBING & PIPEFITTING TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	12
Clamps	1
Hammers	3
Miscellaneous Tools	12
Pipe Specialty Tools	19
Pliers	8
Screwdrivers	9
Tool Box	1
Wrenches	36
Pipe Wrenches	4
Saws and Blades	32

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-137TB	137 Piece Industrial Plumbing and Pipefitting Tool Set with Tool Box
WSC-137	Tool Set Only (136 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- This set is geared specifically for industrial plumbers and pipefitters. It includes an assortment of basic hand tools such as wrenches, pliers, hammers, and screwdrivers. What really makes this set special is the assortment of everyday and specialized plumbing and pipefitting tools included:
- 4 pipe wrenches from 12" through 42" length handle pipe sizes through 5" OD.
- A pair of Williams' famous FJ-20 flange jacks.
- 3 sets of our unique, professional pipe nipple removal/inserting tools covering ⅛" NPT through 1-¼" NPT pipe sizes.
- Tube cutters and flaring tools.
- Ratcheting valve and flare nut wrenches.
- A toolbox saw, drywall saw, and hacksaw and blades.
- 2 utility knives and a pack of blades.
- A plumber's holesaw set and a 10-pack of assorted recip blades.
- And a full-size roll cabinet to organize, store, and move your tool set. Unique in the industry, this set will help you get those critical pipefitting and plumbing tasks done quickly, efficiently, professionally, and safely.



W40RC7



WSC–137

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



50721

WILLIAMS

130 PIECE MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punches	1
Hammers	2
Hex Key Set	13
Pliers	10
Ratchet, Drive Tools & Accessories	21
Screwdrivers & Bits	21
Sockets	40
Wrenches	20

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-130TB	130 Piece Maintenace Tool Set
WSC-130	Tool Set Only (129 Pieces)

Tool Boxes Included

50721	3 Drawer Service Cart with Lid

Features

- This set provides the tools necessary for most general service and repair applications. Included are a wide variety of adjustable wrenches, locking pliers, screwdrivers, hammers and 1/4" 3/8" and 1/2" drive ratchets and accessories. An assortment of professional industrial tools such as punches, chisels and pliers are also included.



WSC-130

WILLIAMS®

102 PIECE OILFIELD SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisels & Punch	8
Haer	1
Hex Keys	13
Pliers	5
Ratchets, Drive Tools & Accessories	9
Screwdrivers	8
Sockets	35
Utility Tools	4
Wrenches	19

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSOS-102TB	102 Piece Oilfield Service Set
MSOS-102	Tool Set Only (101 Pieces)

Tool Boxes Included

W26RC7	26" Wide x 20" Deep 7 Drawer Roll Cabinet

Features

- The set provides the tools necessary for Oilfield general service and repair applications. Included are a wide variety of chisels, punches, haers, pliers, wrenches 3/8" and 1/2" drive sockets, ratchets and accessories. Also includes is professional utility tools.



W26RC7



MSOS-102TB

WILLIAMS®

102 PIECE BASIC MACHINE REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	7
Feeler Gauge Set	1
Hammers	4
Hand Sockets	38
Pliers	6
Ratchets, Drive Tools, and Accessories	5
Screwdrivers	5
Tool Box	1
Wrenches	35

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-102TB	102 Piece Basic Machine Repair Set with Tool Box
WSC-102	Tool Set Only (101 Pieces)

Tool Box Included

W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires a basic tool set for machine repair, this set includes the popular sizes in ¼" and ½" drive sockets, an assortment of wrenches, and the most commonly used pliers, screwdrivers, and hammers.



W26RC7



WSC–102



⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



50721



WSC–95



W26RC7



WSC–88

WILLIAMS®

95 PIECE BASIC ELECTRICAL REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Hammers	1
Hand Sockets	22
Pliers	5
Pliers - Electrical	4
Pliers - Insulated	4
Ratchets, Drive Tools, and Accessories	7
Screwdrivers	13
Screwdrivers - Insulated	10
Tool Box	1
Wrenches	28

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-95TB	95 Piece Electrical Repair Set with Tool Box
WSC-95	Tool Set Only (94 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed to satisfy electrical maintenance tool requirements, this set has both the standard hand tools and special tools needed to accomplish a wide variety of electrical maintenance and installation. Start with ¼" and ⅜" drive sockets and accessories.
- Insulated and non-insulated pliers and screwdrivers.
- A electrician's holesaw set and a 10-pack of assorted recip blades.
- A comprehensive assortment of electrical strippers / crimpers / cutters.
- Drywall, hacksaw, and toolbox saws.
- And a 3-drawer roll cart helps organize, store, and move your tool set. Unique in the industry, this set will help you get those critical electrical maintenance tasks done quickly, efficiently, professionally, and safely.

WILLIAMS®

88 PIECE GENERAL INDUSTRIAL REPAIR SET

Contains the following tools:

Product Category	Number of Pieces
Clamp	1
Feeler Gauge Set	1
Hand Sockets	28
Pliers	4
Ratchets, Drive Tools, and Accessories	7
Screwdrivers	8
Tool Box	1
Wrenches	32

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-88TB	88 Piece General Industrial Repair Set with Tool Box
WSC-88	Tool Set Only (87 Pieces)

Tool Box Included

W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires a basic industrial tool set, this set includes the popular sizes in ⅜" and ½" drive sockets, an assortment of wrenches, and the most commonly used pliers and screwdrivers.

WILLIAMS

80 PIECE GENERAL SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	8
Feeler Gauge Set	1
Hammer	1
Hand Sockets	24
Pliers	6
Ratchets, Drive Tools, and Accessories	16
Screwdrivers	6
Tool Box	1
Wrenches	17

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-80TB	80 Piece General Service Set with Tool Box
WSC-80	Tool Set Only (79 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed for the shop that requires a general service set. This set includes 3/8" and 1/2" drive sockets, assortments of pliers and screwdrivers



50721



WSC–80

WILLIAMS

41 PIECE BASIC SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	3
Hammer	1
Hand Sockets	14
Pliers	3
Ratchets, Drive Tools, and Accessories	5
Screwdrivers	3
Tool Box	1
Wrenches	11

Note: Complete set contents are listed in appendix A

Set Configurations Available

Product Code	Description
WSC-41TB	41 Piece Basic Service Set with Tool Box
WSC-41	Tool Set Only (40 Pieces)

Tool Box Included

50721	3-Drawer Service Cart with Lid

Features

- Designed for the shop that requires a basic industrial tool set, this set includes the popular sizes in 3/8" drive sockets, an assortment of wrenches, and commonly used pliers and screwdrivers.



50721



WSC–41

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.



W40RC7

WILLIAMS CDI TORQUE PRODUCTS

225 PIECE METRIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel and Punches	18
Hammers	6
Hand Sockets	120
Pliers	10
Ratchets, Drive Tools, and Accessories	8
Screwdrivers	15
Tool Box	1
Torque Wrench	1
Wrenches	46

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSC-225TB	225 Piece Heavy Maintenance Service Set with Tool Box
MSC-225	Tool Set Only (224 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires metric tools for maintenance. 1/4", 3/8", and 1/2" drive tools are included, as well as a full assortment of wrenches, pliers, screwdrivers, and other commonly used hand tools.



MSC-225

WILLIAMS

118 PIECE METRIC HEAVY EQUIPMENT SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Chisel, Punches, and Prybars	7
Hammers	3
Hand Sockets	42
Pliers	4
Ratchets, Drive Tools, and Accessories	12
Screwdrivers	10
Tool Box	1
Wrenches	39

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
MSC-118TB	118 Piece Metric Heavy Equipment Service Set with Tool Box
MSC-118	Tool Set Only (117 Pieces)

Tool Box Included

W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Features

- Designed for the shop that requires metric tools for maintenance of heavy equipment. 3/8", 1/2", and 3/4" drive tools are included, as well as a basic assortment of wrenches, pliers, screwdrivers, and other commonly used hand tools.



W40RC7



MSC-118

⚠ WARNING Master set cabinetry and contents are subject to change and may not be exactly as illustrated and listed. Refer to Appendix for set listings.

TOOL STORAGE

OUR TOOL STORAGE COMES IN MULTIPLE CONFIGURATIONS AND LEVELS TO MEET YOUR NEEDS:

• PROFESSIONAL • HEAVY INDUSTRIAL • COMMERCIAL • SUPER VALUE

KEY FEATURES:

• DOUBLE WALL CONSTRUCTION • DRAWER LINERS • HIGH GLOSS POWDER-COAT PAINT • BALL BEARING DRAWER SLIDES

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



HEAVY INDUSTRIAL 54" ROLL CABINET WITH HARDWOOD TOP P.51



55" PROFESSIONAL SERIES TOOL CABINET P.46



WILLIAMS VISUAL CONTROL CABINET P.45

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS®

TOOL STORAGE

Series		Professional Pages 44 thru 49					
Nominal Size (Inches)		 Bulk Storage Cage	 Visual Control Cabinets	 55	 55 Bulk Storage	 40	 26
Product Codes	Chest			W55TC10		W40TC4	W26TC4
	Roll Cabinet		WTC496SR WTC496SY	W55RC11	W55RC5BS	W40RC7	W26TRC7
	Keyless Entry			WTC55RC11		WTC40TC7	WTC26RC7
	Cart/Metal Peg Board		WTC496CARTR WTC496CARTY WTC496PEG				
	Locker						
	Side Cabinet						
	Cage	WBSC2460C WBSC2460S					
Capacity (cu. in.)	Top Chest			21,283		9,746	6,180
	Roll Cabinet			25,000	25,000	15,253	9,374
	Locker						
	Side Cabinet						
Top Chest Dimensions	Overall Width, Inches			55		40	26
	Depth, Inches			24		19	19
	Height, Inches			28		19	19
Roll Cabinet Dimensions	Overall Width, Inches			55	55	40	26
	Depth, Inches			24	24	19	19
	Height, Inches			39	39	37	37
Number of Drawers	Top Chest			10		4	4
	Roll Cabinet			11	5	7	7
Colors Available	Red		•	•	•	•	•
	Black			•		•	•
	Blue			•		•	•
	Orange						
	Yellow		•	•			
Hardwood Top	Roll Cabinet						
Heavy Duty Casters	Rigid						
	Swivel						
Medium Duty Casters	Rigid						
	Swivel						
Replacement Locks and Keys	Top Chest			50974 - Key Only			
	Roll Cabinet			50975 - Lock Only			

AT-A-GLANCE

	Heavy-Industrial Pages 50 thru 53					Commercial Pages 54 thru 58						
												
	73	54	42	35	27	75	54	54	42	42	27	27
			50860	50881	50880		50861		50865	50778	50872	50873
	50990	50885	50890	50887	50888	50992	50891	50866	50895	50748	50902	50903
				50855	50855			50855	50855, 50851		50855	50855
			13,966	8,350	6,604		12,537		9,205	15,675	5,155	5,331
	33,837	25,304	21,379	12,731	9,479	38,598	41,328	20,484	11,560	20,321	8,036	10,091
									8,200, 3,921			
		53	42	35	27		54		42	41	27	27
		24	24	18	18		18		18	23	18	18
		27	22	22	42		22		19	20	18	20
	73	53	42	35	27	75	54	53	42	41	27	29
	24	24	24	18	18	24	18	18	18	24	18	18
	43	43	42	42	42	44	42	42	43	43	20	36
			4	5	5		9		6	8	4	5
	21	12	5	4	6	17	13		14	10	5	7
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
		•										
	50938	50938	50936	50936	50936				50834	50834	50834	50834
	50939	50939	50937	50937	50937				50935	50935	50935	50935
			50976	50976	50976		50962		50962	50962	50962	50962
	50969	50962	50964	50964	50964	50969	50965	50962	50963	50962	50972	50972

WILLIAMS® TOOL STORAGE AT-A-GLANCE CONTINUED

Series		Super Value Pages 59 thru 63								
Nominal Size (Inches)		75	56	42	42	42 (Stainless Steel)	42 (One-Piece)	27	27	26
Product Codes	Chest		50740	50741	50744	50732	50730	50742	50743	TB-6024RA
	Roll Cabinet	50764	50765	50766	50769			50767	50768	
	Keyless Entry									
	Cart/Metal Peg Board									
	Locker		50790	50791, 50792						
	Side Cabinet			50855	50855			50855	50855	
	Cage									
Capacity (cu. in.)	Top Chest		10,746	6,387	9,771			2,955	4,740	3,073
	Roll Cabinet	26,505	22,788	12,495	14,500	24,722	29,415	6,868	8,223	
	Locker		35,640							
	Side Cabinet									
Top Chest Dimensions	Overall Width, Inches	75	56	40	42	42	42	26	27	26
	Depth, Inches	24	24	18	18	18	18	12	18	12
	Height, Inches	39	18	10	18	61	61	14	18	14
Roll Cabinet Dimensions	Overall Width, Inches		56	41	43			27	27	
	Depth, Inches		24	18	18			18	18	
	Height, Inches		39	39	38			31	35	
Number of Drawers	Top Chest		6	10	4	11		4	6	6
	Roll Cabinet	15	10	11	5	12	20	5	7	
Colors Available	Red	•	•	•	•			•	•	•
	Black	•	•	•	•			•	•	
	Blue	•	•	•	•			•	•	
	Orange		•	•						
	Yellow									
Hardwood Top	Roll Cabinet	•	•	•						
Heavy Duty Casters	Rigid									
	Swivel									
Medium Duty Casters	Rigid	50932	50932	50932	50932	50932	50932	50932	50932	50932
	Swivel	50933	50933	50933	50933	50933	50933	50933	50933	50933
Replacement Locks and Keys	Top Chest		50962	50968	50962	Code # on lock face	50730	50960	50960	50961
	Roll Cabinet	50969	50962	50963	50972			50963	50963	

	Service Carts Page 64					Jobsite Boxes Page 65					Heavy Duty Road Box Page 66		Hand Carry Tool Boxes Pages 67 to 68				
																	
						32	42	48	48	48	26	34	21 Flat Top	21 Four Tray Cantilver	20 Hip Roof	19 Flat Top	16 Flat Top
	50721	50722	50723	50724	50726	50950	50951	50952	50953	50954	50946	50947B	TB-6123	TB-6218A	TB-6220A	TB-6119A	TB-6116
											26	34	21	21	20	19	16
											17	17	8	8	7	6	6
											22	23	12	12	8	6	6
	45	30	30	41	30	32	42	48	48	48							
	16	17	17	17	20	19	20	24	30	24							
	36	36	36	36	40	17	23	27	33	28							
											5	5					
	•	•	•	•							•	•					
										•	•						
					•	•	•	•	•								
						50949	50949	50949	50949	50949							
											50967	50967					

WILLIAMS®

TOOL STORAGE FEATURES:

- Ball bearing drawer slides
- Drawer liners
- Double wall construction
- High gloss powder-coat paint

WILLIAMS®

KEYLESS TOOL CONTROL

Keyless Entry system secures your tool box, allowing you to control and limit access without the hassle of keys

Product Code	Description
WTC55RC11	55" Keyless Entry Box
WTC40RC7	40" Keyless Entry Box
WTC26RC7	26" Keyless Entry Box

Features

- Keyless entry system offers badge, keypad entry, and at the box programming for up to 3,000 users
- Eliminates the hassle of keys to open tool boxes.
- Battery power makes Keyless Tool Control ideal for environments where tool boxes are on the move.
- Powered by 6 D-cell batteries (not included) or power cord
- Single set of batteries can last up to six months depending upon environment
- Grants access to tool boxes with three access methods:
  - Keypad PIN entry only
  - Proximity ID card entry
  - Dual Credential: Proximity ID card and keypad PIN entry
- Pre-assembled access unit sits on top of the box -
  - Implement by simply installing batteries and setting up access credentials.
- LED lights indicate if box is opened or closed
- Last Access indicator displays who last accessed the box.
- Keyless entry system can be networked with Lock View® software

Made in U.S.A.



WTC40RC7

WILLIAMS®

BULK STORAGE CAGE

Secure storange with at-a-glance inventory control

Product Code	Description	Load Capacity
WBSC2460C	Mobile Bulk Storage Cage w/ Casters	900 Pounds
WBSC2460S	Stationary Bulk Storage Cage	1,800 Pounds

Features

- Double door opening for easy access
- Door latch with padlock security loop
- Durable chrome finish
- Available with swivel and locking casters for easy mobility or stationary, without casters
- Dimensions: 62" wide x 68" high x 28.5" deep

Made in U.S.A.



WBSC2460C

Color Options

Red
Yellow

WTC496SR



WTC496CARTR

WILLIAMS

VISUAL CONTROL CABINET TOOL STORAGE

Clear Abrasion-Resistant Polycarbonate window allows for at-a-glance inventory management and creates a strong, secure barrier. Polycarbonate is commonly used in eye protection

Product Code	Description
WTC496SR	49" Cabinet - Red
WTC496SY	49" Cabinet - Yellow
WTC496CARTR	49" Cart - Red
WTC496CARTY	49" Cart - Yellow
WTC496PEG	Metal Peg Board

Features

- Keyed entry secures the tools and inventory, holds about100 tools
- Full swing door hinge creates unobstructed entry when in use, gas shocks keep the door in the upright position.
- Visual control cabinets create "Strike Zone" presentation of tools
  - Strike zone - above the knees and below the shoulders
  - Eliminates Need to Bend and Stretch
- Interior Tool Control Options
  - Foam - Customize with sales reps guidance
  - Metal Peg Board - Hooks not included
- Versatile mounting options
  - V-stand mounting brackets standard
  - 16" on center for wall mount
- 49" rolling cart - optional - predrilled and hardware included

Made in U.S.A.



WTC496SR

WILLIAMS

55" PROFESSIONAL SERIES TOOL CABINETS

Designed for industrial use

Product Code	Description
W55TC10	55" Wide x 24" Deep 10-Drawer Tool Chest
W55RC11	55" Wide x 24" Deep 11-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W55TC10 in Blue, specify product code W55TC10BL

W55TC10 Top Chest Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
21283	55	24	28.5

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	14 5/8	21 5/8	1 3/4
3	14 5/8	21 5/8	4
2	30 1/2	21 5/8	1 3/4
3	30 1/2	21 5/8	4

W55RC11 Roll Cabinet Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
25000	55	24	39

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	14 5/8	21 7/8	1 3/4
2	14 5/8	21 7/8	4
1	14 5/8	21 7/8	10 9/16
3	30 9/16	21 7/8	1 3/4
2	30 9/16	21 7/8	4
1	30 9/16	21 7/8	6 3/16
1	49 1/4	21 7/8	3 3/16

Features

Made in U.S.A.

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and ierses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests.

Color Options

Red: Standard
Black: B
Blue: BL
Yellow: Y

W55TC10



W55RC11





W55RCBS

WILLIAMS®

55" PROFESSIONAL SERIES ROLL CABINET

Designed for industrial use

Product Code	Description
W55RC5BS	55" Wide x 24" Deep 5-Drawer Roll Cabinet with Bulk Storage

W55RC5BS Roll Cabinet Overall Dimensions

Capacity (cu.in.)	Width (Inches)	Depth (Inches)	Height (Inches)
25,000	55	24	39

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
4	30 9/16	21 7/8	5
1	30 9/16	21 7/8	7
Bulk	23	21 7/8	33

Features

- Wide Drawer to hold long tools such as pry bars and extensions.
- Bulk section with adjustable shelf perfect for storing large, bulky tools
- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving onuneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and ierses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests.

USA
Made in U.S.A.

WILLIAMS

40" PROFESSIONAL SERIES TOOL CABINETS

Designed for industrial use

Product Code	Description
W40TC4	40" Wide x 20" Deep 4-Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W40TC4 in Blue, specify product code W40TC4BL

Color Options

Red: Standard
Black: B
Blue: BL

W40TC4 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9746	40 1/32	19 13/16	19 7/16

Top Chest Drawer Sizes

Number	Width	Depth	Height
Top Compartment	39 29/32	18 23/32	4 23/32
2	34 11/16	17 17/32	1 13/32
2	34 11/16	17 17/32	3 19/32

W40RC7 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
15253	40	19 13/16	37 7/8

Roll Cabinet Drawer Sizes

Number	Width	Depth	Height
2	34 11/16	17 17/32	1 13/32
4	34 11/16	17 17/32	3 19/32
1	34 11/16	17 17/32	7 21/32

Features

Made in U.S.A.

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs.
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.
- Two point locking design adds extra security on all chests
- W40X50RV Side Handles

W40TC4



W40RC7

WILLIAMS

26" PROFESSIONAL SERIES TOOL CABINET

Designed for industrial use

Product Code	Description
W26TC4	26" Wide x 20" Deep 4-Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #W26TC4 in Blue, specify product code W26TC4BL

Color Options

Red: Standard
Black: B
Blue: BL

W26TC4



W26RC7

W26TC4 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6180	26 23/32	19 13/16	19 13/32

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Top Compartment	26 19/32	18 23/32	4 23/32
2	21 3/8	17 17/32	1 13/32
2	21 3/8	17 17/32	3 19/32

W26RC7 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9374	26	19 13/16	37 7/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	21 3/8	17 11/32	1 15/32
4	21 3/8	17 11/32	3 19/32
1	21 3/8	17 11/32	7 21/32

Made in U.S.A.

Features

- Made of High-Quality Class I steel to enhance strength and finish.
- Double wall construction provides strength.
- Reinforcement corner gussets add strength and reduce racking.
- 2" mounting centers provide flexibility in arranging drawers to individual needs.
- Drawers equipped with positive latching drawer retention to prevent unwanted drawer opening.
- All drawers equipped with 75 pound full extension ball bearing slides with quick disconnect.
- All 4" and deeper drawers provide for adding additional slides to double drawer capacity.
- Rolled hem on all drawers provide superior strength, rigidity and safety.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- High luster paint protects against scratches, pealing, blistering and corrosion.
- Paint pretreatment process both sprays and immerses boxes for added corrosion protected.
- Drawer liners included at no extra charge.
- Two point locking design adds extra security on all chests.

WILLIAMS

HEAVY-INDUSTRIAL 73" ROLL CABINET

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50990	73" Wide 21 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50990 in Blue, specify product code 50990BL

50990 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
33,837	73	24 ½	43 ½

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Left side:			
1	50	22	3 7/8
1	23	22	1 5/8
2	23	22	2 3/4
2	23	22	3 7/8
1	23	22	6 1/8
Center:			
1	23	22	1 5/8
2	23	22	2 3/4
1	23	22	3 7/8
1	23	22	10 3/8
Right side:			
4	16 9/16	22	1 5/8
2	16 9/16	22	2 3/4
3	16 9/16	22	3 7/8

Features

- High gloss powder coat paint is scratch & chemical resistant
- Stainless steel work surface
- Heavy gauge metal for a lifetime of use
- Double wall construction for greater strength and durability
- Heavy duty 6" x 2" casters on cabinets
- Aluminum corner trim
- Handles on both side of cabinet
- Two pairs of 120 pounds rated ball bearing slides on all drawers over 3" deep.
- Anti-skid drawer liners included
- Overal width with handles is 80¼"

Color Options

Red: Standard
Black: B
Blue: BL



50990



50990B



50990BL



Color Options	Color Options with Hardwood Top
Red: Standard	Red with Hardwood Top: W
Black: B	Black with Hardwood Top: BW
Blue: BL	Blue with Hardwood Top: BLW

Color Options with Hardwood Top: To order in an optional color with a hardwood top simply add the appropriate color and hardwood top code to the end of the product code.
Example: To order #50885 in Blue with a Hardwood top, specify product code 50885BLW



50885W

WILLIAMS

HEAVY-INDUSTRIAL 54" ROLL CABINET WITH OPTIONAL HARDWOOD TOP

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50885	54" Wide x 24 ½" Deep 12 Drawer Roll Cabinet
50111	Hardwood Top Only

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50885 in Blue, specify product code 50885BL

50885 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
25,304	53 ½	24 ½	43

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	50	22	3 7/8
2	23	22	1 5/8
4	23	22	2 3/4
3	23	22	3 7/8
1	23	22	6 1/8
1	23	22	10 3/8

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- Two pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 6"×2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surface
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge

WILLIAMS®

HEAVY-INDUSTRIAL SERIES 42" TOOL CABINETS

Heavy-Industrial-grade tool cabinets with ball bearing drawer slides for rugged service in the toughest work environments

Product Code	Description
50860	42" Wide x 24" Deep 4-Drawer Top Chest
50890	42" Wide x 24" Deep 5-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50860 in Blue, specify product code 50860BL

50860 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
13966	42	24 1/2	22 1/2

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	38	22	1 5/8
1	38	22	3 7/8
1	38	22	6 1/8

50890 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
21379	42	24 1/2	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	38	22	3 7/8
1	38	22	6 1/8
1	38	22	8 1/4

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet.
- Rigidity of frame is significantly increased with full height & width triple channel wall.
- Three layers of metal guard the corners with interlock corner design.
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers.
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces.
- Casters equipped with pedal brake and ball bearings for easy operation.
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel.
- Extruded aluminum drawer handle trim.
- Red high gloss powder coat paint is scratch resistant.
- Drawer liners included at no extra charge.
- Gas struts in lid of chest make lid easy to open and close.

Color Options

Red: Standard
Black: B
Blue: BL







Color Options

Red: Standard
Black: B
Blue: BL

WILLIAMS

HEAVY-INDUSTRIAL SERIES 35" TOOL CABINETS

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50881	35" Wide x 18" Deep 5 Drawer Top Chest
50887	35" Wide x 18" Deep 6 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50881 in Blue, specify product code 50881BL

50881 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8350	35	18 3/4	22 3/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	31	16	2
2	31	16	3
1	31	16	4 1/4

50887 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
12,731	35	18 3/4	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	31	16	1 5/8
2	31	16	2 3/4
1	31	16	3 7/8
1	31	16	6 1/8
1	31	16	8 1/4

Color Options

Red: Standard
Black: B
Blue: BL



HEAVY-INDUSTRIAL SERIES 27" TOOL CABINETS

Heavy-Industrial roll cabinet designed for the toughest work environments

Product Code	Description
50880	27" Wide x 18" Deep 5 Drawer Top Chest
50888	27" Wide x 18" Deep 6 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50880 in Blue, specify product code 50880BL

50880 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6,604	27	18 3/4	22 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	23	16	1 5/8
2	23	16	2 3/4
1	23	16	3 7/8

50888 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9,479	27	18 3/4	42

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16	1 5/8
2	23	16	2 3/4
1	23	16	3 7/8
1	23	16	6 1/8
1	23	16	8 1/4

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 6"x2" precision ball bearing casters made of high tech thermoplastic rubber .
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close

WILLIAMS

75" COMMERCIAL SERIES TOOL CABINET

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50992	75" Wide x 24-1/2" Deep 17-Drawer Tool Chest

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50992 in Blue, specify product code 50992BL

50992 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
38598	75 1/4	24 1/2	44 1/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Long Drawer			
1	51 5/8	22	1 5/8
1	51 5/8	22	3 3/4
Left Bank			
1	32 5/8	22	1 5/8
3	32 5/8	22	3 7/8
1	32 5/8	22	8 1/8
Center Bank			
1	15 3/4	22	1 5/8
2	15 3/4	22	3 7/8
1	15 3/4	22	12 5/8
Right Bank			
1	15 3/4	22	1 5/8
1	15 3/4	22	3 7/8
1	15 3/4	22	1 5/8
2	15 3/4	22	3 7/8
1	15 3/4	22	12 5/8

Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area

Color Options

Red: Standard
Black: B
Blue: BL



50992

Color Options

Red: Standard
Black: B
Blue: BL



50861

50891



50866

WILLIAMS

54 " COMMERCIAL SERIES TOOL CABINET

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50861	54" Wide x 18" Deep 9-Drawer Top Chest
50891	54" Wide x 18" Deep 13-Drawer Roll Cabinet
50866	54" Wide x 18" Deep 12-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50861 in Blue, specify product code 50861BL

50861 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
12537	54	18 3/4	22 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	50 1/2	17 3/4	3 1/4
3	23	18 1/4	1 5/8
2	23	18 1/4	3 7/8
2	23	18 1/4	1 5/8
1	23	18 1/4	3 7/8
1	23	18 1/4	6

50891 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
41328	54	18 3/4	42 1/2

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16 1/4	1 5/8
4	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4
1	23	16 1/4	1 5/8
2	23	16 1/4	2 3/4
3	23	16 1/4	3 7/8
1	23	16 1/4	6 1/8

50866 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
20484	53 5/8	18 3/4	42 1/2

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
Long Drawer			
1	49 3/8	16 1/4	1 5/8
1	49 3/8	16 1/4	3 7/8
Left Bank			
2	23	16 1/4	2 3/4
2	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4
Right Bank			
2	23	16 1/4	2 3/4
2	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4

Features

- Heavy duty double wall construction, built to last
- Ball bearing slides on all drawers
- Double ball bearing slide on all 4" and 6" drawers
- Full extension slides for easy reach inside
- Reinforced bottom channels
- Full length extruded aluminum drawer pulls
- Integrated latch security systems on all drawer
- Aluminum protective corners
- Aluminum recessed side handle on top chest
- Heavy duty gas struts on top lid for smooth and easy opening
- Oversized elliptical chromed side handle for comfort and easy maneuvering
- 4 heavy duty casters with double layer ball bearing and chromed hub caps
- High security locks
- High quality anti skid drawer liners in all drawers and top lid area
- Easy access to top compartment area

WILLIAMS

42" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50778	42" Wide x 23" Deep 8-Drawer Top Chest
50748	42" Wide x 24" Deep 13-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50778 in Blue, specify product code 50778BL

50778 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
15675	41 1/2	23 5/8	20

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1 Shelf	38 1/2	23 3/8	3 1/4	1	11	22	1 5/8
1	23	22	1 5/8	2	11	22	2 3/4
2	23	22	2 3/4	1	11	22	3 7/8
1	23	22	3 7/8				

50748 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
20321	41 1/2	24 1/2	43 5/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	37 3/8	22	1 5/8	1	23	22	6 1/8
1	37 3/8	22	3 7/8	1	23	22	1 5/8
1	23	22	1 5/8	2	23	22	2 3/4
2	23	22	2 3/4	1	23	22	3 7/8
2	23	22	3 7/8	1	23	22	10 3/8

Color Options

Red: Standard
Black: B
Blue: BL



WILLIAMS

42" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50865	42" Wide x 18" Deep 6-Drawer Top Chest
50895	42" Wide x 18" Deep 14-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50778 in Blue, specify product code 50865BL

50865 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9205	42	18 9/32	19 15/16

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	37 5/16	16 11/32	1 3/8	1	22 29/32	16 11/32	3 1/2
1	37 5/16	16 11/32	3 1/2	1	10 29/32	16 11/32	1 3/8
1	22 29/32	16 11/32	1 3/8	1	10 29/32	16 11/32	3 1/2

50895 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
11560	42	18 3/4	42 3/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)	Number	Width (inches)	Depth (inches)	Height (inches)
1	37 5/16	16 1/4	1 5/8	1	22 29/32	16 1/4	5 3/4
1	37 5/16	16 1/4	3 7/8	1	10 29/32	16 1/4	1 3/8
1	22 29/32	16 1/4	1 5/8	2	10 29/32	16 1/4	2 15/32
2	22 29/32	16 1/4	2 3/4	2	10 29/32	16 1/4	3 1/2
2	22 29/32	16 1/4	3 7/8	1	10 29/32	16 1/4	5 3/4

Color Options

Red: Standard
Black: B
Blue: BL



Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 5"x2" precision ball bearing casters made of high tech thermoplastic rubber.
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close



Color Options

Red: Standard
Black: B
Blue: BL

50872



50902

WILLIAMS

27" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50872	27" Wide x 18" Deep 4-Drawer Top Chest
50902	27" Wide x 18" Deep 5-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50872 in Blue, specify product code 50872BL

50872 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
5155	27	18	18 7/8

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	23	16 1/4	1 5/8
1	23	16 1/4	2 3/4
1	23	16 1/4	3 7/8

50902 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8036	27	18	20

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16 1/4	1 5/8
3	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4

Features

- ■Heavy duty double wall construction, built to last
- ■Ball bearing slides on all drawers
- ■Double ball bearing slide on all 4" and 6" drawers
- ■Full extension slides for easy reach inside
- ■Reinforced bottom channels
- ■Full length extruded aluminum drawer pulls
- ■Integrated latch security systems on all drawer
- ■Aluminum protective corners
- ■Aluminum recessed side handle on top chest
- ■Heavy duty gas struts on top lid for smooth and easy opening
- ■Oversized elliptical chromed side handle for comfort and easy maneuvering
- ■4 heavy duty casters with double layer ball bearing and chromed hub caps
- ■High security locks
- ■High quality anti skid drawer liners in all drawers and top lid area
- ■Easy access to top compartment area
- ■Casters 6" Height

WILLIAMS

27" COMMERCIAL SERIES TOOL CABINETS

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50873	27" Wide x 18" Deep 5-Drawer Top Chest
50903	27" Wide x 18" Deep 7-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50873 in Blue, specify product code 50873BL

50873 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
5331	27	18	20

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
4	23	16 1/4	1 5/8
1	23	16 1/4	3 7/8

50903 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
10,091	29 25/32	18	36 5/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	23	16 1/4	1 5/8
2	23	16 1/4	2 3/4
3	23	16 1/4	3 7/8
1	23	16 1/4	8 1/4

Features

- Frame is reinforced using 14 gauge plates on the front of cabinet
- Rigidity of frame is significantly increased with full height & width triple channel wall
- Three layers of metal guard the corners with interlock corner design
- TWO pairs of 120 lb. rated ball bearing drawer slides on all drawers except 2" drawers
- 5"x2" precision ball bearing casters made of high tech thermoplastic rubber .
- Casters absorb vibrations transmitted to frame while moving on uneven surfaces
- Casters equipped with pedal brake and ball bearings for easy operation
- All drawers equipped with safe-lock system & made of 18 gauge heavy duty steel
- Extruded aluminum drawer handle trim
- Red high gloss powder coat paint is scratch resistant
- Drawer liners included at no extra charge
- Gas struts in lid of chest make lid easy to open and close

Color Options

Red: Standard
Black: B
Blue: BL

50873



50903

WARNING

Color Options

Red: Standard
Black: B
Blue: BL

Color Options with Hardwood Top

Red with Hardwood Top: W
Black with Hardwood Top: BW
Blue with Hardwood Top: BLW



50764



50764W

WILLIAMS

SUPER VALUE SERIES 75" ROLL CABINET WITH OPTIONAL HARDWOOD TOP

Designed for use in commercial applications.
Equipped with ball bearing slides

Product Code	Description
50764	75" Wide 15 Drawer Roll Cabinet
50103	Hardwood Top Only

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50764 in Blue, specify product code 50764BL

Color Options with Hardwood Top: To order in an optional color with a hardwood top simply add the appropriate color and hardwood top code to the end of the product code.
Example: To order #50764 in Blue with a Hardwood top, specify product code 50764BLW

50764 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
26,505	75 1/4	24 1/2	39 3/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	52 3/4	22	4 3/16
2	33 1/2	22	3 3/32
1	33 1/2	22	4 3/16
1	33 1/2	22	8
2	16 5/8	22	3 3/32
1	16 5/8	22	4 3/16
1	16 5/8	22	8
4	16 5/8	22	2
1	16 5/8	22	4 3/16
1	16 5/8	22	12

Features

- Ball bearings slides on all drawers
- Double slides on all 8" drawers (on 53" side only)
- High gloss powder coat scratch resistant paint
- Six 6"x2" casters with load rating of 900 lbs. each
- Four swivel and two rigid casters
- Heavy duty 14 gauge caster channel
- Chrome plated handles on both sides of cabinet
- Full width aluminum drawer pulls
- 3/8" Rubber top mat working surface
- Pre-cut anti-skid drawer liners

WILLIAMS

SUPER VALUE SERIES 56" TOOL CABINETS WITH OPTIONAL HARDWOORD TOP

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50740	56" Wide x 24" Deep 6 Drawer Top Chest
50765	56" Wide x 24" Deep 10 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50740 in Blue, specify product code 50740BL
Color Options with Hardwood Top: To order in an optional color with a hardwood top simply add the appropriate color and hardwood top code to the end of the product code.
Example: To order #50764 in Blue with a Hardwood top, specify product code 50764BLW

50740 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
16746	56	24	18 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	33	22	1 5/8
2	33	22	3 7/8
1	16	22	3 7/8
1	16	22	8 1/4

50765 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
22788	56	24	38 1/8

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	51 7/8	22	3 3/4
2	33 5/8	22	2 3/4
3	33 5/8	22	3 7/8
3	16 1/2	22	2
1	16 1/2	22	12

Features

- Ball bearing slides on all drawers
- Double wall steel construction
- High gloss power coat scratch resistant paint
- Extruded aluminum drawer handle trim
- Comes with pre-cut drawer liners
- Gas struts in the lid for ease in opening and closing the lid

Color Options

Red: Standard
Black: B
Blue: BL
Orange: O

Color Options with Hardwood Top

Red with Hardwood Top: W
Black with Hardwood Top: BW
Blue with Hardwood Top: BLW
Orange with Hardwood Top: OW


50740

50765


50765W

WILLIAMS

SUPER VALUE SERIES ONE PIECE UNIT

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50730	42" Wide x 18 3/4" Deep 20 Drawer One Piece Unit

50730 One Piece Unit Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
29,415	42	18 3/4	61 5/16

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	38	16	4 3/16
5	23	16	2
3	23	16	3 3/32
2	23	16	4 3/16
5	11	16	2
3	11	16	3 3/32
1	11	16	8 5/8

Features

- The Unit includes 20 drawers with a pull out work surface
- 9-1/2" canopy in top for holding large tools & other materials
- Canopy has electrical knockouts so cordless tool charger's can be kept secure
- Gas struts help to easily open the lid
- Ball bearing slides
- 5" x 2" Heavy duty casters
- Includes pre-cut drawer liners
- Red only


50730

WARNING



50732

WILLIAMS

42" SUPERVALUE STAINLESS STEEL

Product Code	Description
50732	42" Wide x 18" Deep 5 Drawer chest/23 drawer cabinet combination

50732 Combination Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
24,722	42	18	61

Top Chest Drawer Sizes

Number	Width (Inches)	Depth (Inches)	Height (Inches)
9	37	18	2
1	37	18	3
1	37	18	5

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
1	37	18	4
2	37	18	2
6	37	18	3
2	37	18	6
1	37	18	1

Features

- Stainless steel 430 with painted drawer shells
- 11 drawer chest / 12 drawer cabinet combination
- 45 ball bearing extension slides
- Drawer pulls: Aluminum Extrusion
- Drawer Liner: Solid EVA
- Unit Locking mechanism: Side locking
- Chest Lid: Metal hinge support
- Side Handle: Bale type, 2ea
- Top Mat: Hard Rubber Mat
- Roll Cabinet Side Handle: Stainless steel Tubular, 1ea
- Casters: 5" x 2", 2 swivel with brake; 2 rigid

WILLIAMS

SUPER VALUE SERIES 42" TOOL CABINETS WITH OPTIONAL HARDWOOD TOP

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50741	42" Wide x 18" Deep 10 Drawer Top Chest
50766	42" Wide x 18" Deep 11 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50741 in Blue, specify product code 50741BL

Color Options with Hardwood Top: To order in an optional color with a hardwood top simply add the appropriate color and hardwood top code to the end of the product code.
Example: To order #50766 in Blue with a Hardwood top, specify product code 50766BLW

50741 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6,387	42	18 3/4	18 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	23	16	2
2	23	16	3
3	11	16	2
2	11	16	3

50766 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
12,495	42	18 3/4	38 3/8

Roll Cabinet Drawer Sizes

Number	Width	Depth	Height
1	38	16 1/4	4 3/16
1	23	16 1/4	2
4	23	16 1/4	3 1/8
1	23	16 1/4	4 3/16
2	11	16 1/4	3 1/8
1	11	16 1/4	4 3/16
1	11	16 1/4	8 1/8

Color Options

Red: Standard
Black: B
Blue: BL
Orange: O

Color Options with Hardwood Top

Red with Hardwood Top: W
Black with Hardwood Top: BW
Blue with Hardwood Top: BLW
Orange with Hardwood Top: OW

50741



50766



50766W

WILLIAMS

SUPER VALUE SERIES 42" TOOL CABINETS

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50744	42" Wide x 18" Deep 4-Drawer Top Chest
50769	44" Wide x 18" Deep 5-Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code.
Example: To order #50744 in Blue, specify product code 50744BL

50744 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
9771	42	18 9/32	18 1/4

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	38	16	2
2	38	16	4

50769 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
14500	42	18 7/8	38 3/8

Roll Cabinet Drawer Sizes

Number	Width	Depth	Height
3	38	16	3 7/8
2	38	16	6 1/8

Color Options

Red: Standard
Black: B
Blue: BL

50744



50769

Features

- Ball bearing slides on all drawers
- Double wall steel construction
- High gloss power coat scratch resistant paint
- Extruded aluminum drawer handle trim.
- Comes with pre-cut drawer liners
- Gas struts in the lid of the 42" wide chest for ease in opening and closing the lid





Color Options

Red: Standard
Black: B
Blue: BL

WILLIAMS

SUPER VALUE SERIES 27" TOOL CABINETS

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50742	27" Wide x 12" Deep 4 Drawer Top Chest
50767	27" Wide x 18" Deep 5 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50742 in Blue, specify product code 50742BL

50742 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
3050	26	12	14 ½

Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	23	10 ½	2
1	23	10 ½	2 ½

50767 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
5,193	27	18 ¾	31 ½

Roll Cabinet Drawer Sizes

Number	Width	Depth	Height
1	23	16	2
4	23	16	4 ¼

Features

- Ball bearing slides on all drawers
- Double wall steel construction
- High gloss power coat scratch resistant paint
- Extruded aluminum drawer handle trim.
- Comes with pre-cut drawer liners
- Gas struts in the lid of the 42" wide chest for ease in opening and closing the lid



Color Options

Red: Standard
Black: B
Blue: BL

WILLIAMS

SUPER VALUE SERIES 27" TOOL CABINETS

Super Value units equipped with ball bearing slides designed for professional use at a value price.

Product Code	Description
50743	27" Wide x 18" Deep 6 Drawer Top Chest
50768	27" Wide x 18" Deep 7 Drawer Roll Cabinet

Color Options: Standard color is red. To order in an optional color, simply add the appropriate color code to the end of the product code. Example: To order #50743 in Blue, specify product code 50743BL

50743 Top Chest Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
4806	26	17 ⅞	18 $^{15}/_{16}$

50743 Top Chest Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
6	23	16	2

50768 Roll Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8,223	27	18 ¾	35 ½

Roll Cabinet Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
4	23	16	2
2	23	16	4 ¼
1	23	16	6 $^{7}/_{16}$

Features

- Ball bearing slides on all drawers
- Double wall steel construction
- High gloss power coat scratch resistant paint
- Extruded aluminum drawer handle trim.
- Comes with pre-cut drawer liners
- Gas struts in the lid of the 42" wide chest for ease in opening and closing the lid

WILLIAMS

HEAVY DUTY SERVICE CARTS

Heavy Duty Industrial Cart

Product Code	Description
50726	4 Drawer Heavy Duty Industrial Cart

Service Carts Overall Dimensions

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)
50726	30	20 1/2	40 1/2

Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	11	19 1/8	3
1	25	16 1/4	3
1	25	16 1/4	6 5/8

Features

- Heavy duty steel construction
- High gloss power coat scratch resistant paint
- Quality swivel casters on all units
- Drawer units have 45 mm "secure latch" ball bearing slides



50726

WILLIAMS

SERVICE CARTS

Easy and convenient access to tools when and where you need them.

Product Code	Description
50721	2 Drawer with Lockable Lid & Tray, Black
50722	2 Shelves, Red
50723	2 Shelves with Locking Drawer, Red
50724	4 Drawers with Lid, Rack and Shelf, Red

Service Cart Overall Dimensions

Product Code	Width (inches)	Depth (inches)	Height (inches)
50721	45 1/2 with a lid	16 1/2	36
50722	30	17	36 7/32
50723	30	17	36 7/32
50724	41	17	36 7/32

Features

- High gloss powder coat paint is scratch & chemical resistant
- Storage drawers for frequently used tools
- Heavy duty undercarriage to help support bottom tray load
- 18 gauge heavy duty steel
- 4" x 1" swivel casters


50721


50723


50722


50724

⚠ WARNING



50950



WILLIAMS

JOB SITE BOXES

Designed for the toughest outdoor work environments

Product Code	50950	50951	50952	50953
		Overall (Inches)		
Width	32	42	48	48
Depth	19	20	24	30
Height	17 1/2	23 1/2	27 1/2	33 1/2
		Inside of body (Inches)		
Width	17 7/8	41 7/8	47 7/8	47 7/8
Depth	18 7/8	19 7/8	23 7/8	29 7/8
Height	11 1/8	17	21 1/8	27 1/8
		Inside of top Lid (Inches)		
Width	31 7/8	41 7/8	47 7/8	47 7/8
Depth	18 7/8	19 7/8	23 7/8	29 7/8
Height	2 5/8	2 5/8	2 5/8	2 5/8

Features

- Casters weight capacity is 3500 lbs
- Tough industrial powder coating finish
- Heavy 16 gauge steel construction with 12 gauge feet
- Recessed and concealed locking area protects padlock for ultimate security against drills and bolt cutter
- Fully welded seams provide maximum strength
- Recessed side handles for easy transportation
- Reinforced overlapping lid provides protection from weather and forced entry
- Heavy duty industrial lid stays prevents accidental closure
- Tread plate design for rugged durability



50954

WILLIAMS

JOB SITE BOXES

Designed for the toughest outdoor work environments

Product Code	Width (inches)	Depth (inches)	Height (inches)
50954	48	24	28 3/8
50949	6" x 2" Swivel Caster Set		

Features

- Tough industrial powder coating finish
- Super heavy gauge steel construction
- Recessed locking area protects contents.
- Fully welded seams provide maximum strength
- Reinforced overlapping lid provides protection from weather and forced entry
- Heavy duty industrial lid stays open prevents accidental closure
- 4 way entry skid for easy handling.
- 16 guage steel construction with 12 guage feet.

WILLIAMS

HEAVY-DUTY ROAD BOXES - 26" AND 34"

Designed with extra heavy-duty features for mobile use in the factory or on the road in service trucks.

Product Code	Description
50947B	34" 5-Drawer Heavy Duty Road Box / Top Chest - Black
50946B	26" 5-Drawer Heavy Duty Road Box / Top Chest - Black
50946RED	26" 5-Drawer Heavy Duty Road Box / Top Chest - Red
50945RED	26" 10-Drawer / Drop Front / Top Chest - Red

50947B Road Box Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8882	34	17 7/8	23

50947B Road Box Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	31	16	2
2	31	16	4 1/2

50946B and 50946RED Road Box Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6749	26	17 7/8	22

50946B and 50946RED Road Box Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
2	23	16	4 1/4
3	23	16	2

50945RED Road Box Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
6320	26	17 7/8	20 1/2

50945RED Road Box Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
6	7	16	2
1	7	16	6 7/8
2	23	16	2
1	23	16	4 1/2

Features

- Drop front panel has neoprene water & dust resistant seal.
- Shielded hinges for long life in harsh environments.
- Cushion feet pads attached to bottom for protection.
- Extra heavy duty metal with 75 lb load rating per drawer.
- Secure key internal locking system.
- 50946RED includes a padlock eye with slotted hasp provides security



50946B



50946RED



50945RED

WORK BENCH

Heavy duty steel construction

Product Code	Width (inches)	Depth (inches)	Height (inches)
50921	71 3/4	25 3/4	34 13/16
50920	71 3/4	26 11/16	58 7/8
50922	57 1/4	25 3/4	34 7/8
50923	45 1/4	25 3/4	34 7/8
50924	36	25 3/4	34 7/8

Features

- 50920 includes pegboard
- Heavy duty steel construction
- High gloss powder coat scratch resistant paint
- Back and side roll-off panel prevents tools and hardware from rolling off the bench



50923



50920

⚠ WARNING



TB-6024RA
Pictured with optional tote tray TTR-6024RA



TB-6124A



TB-6121



TB-6123

WILLIAMS

SUPER VALUE SERIES 26" CHEST

Product Code	Description
TB-6024RA	26" 6-Drawer Top Chest with Drop Front

TB-6024RA Top Chest, Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
3.073	26	12	14 ½

Top Chests, Drawer Sizes

Number	Width (inches)	Depth (inches)	Height (inches)
3	23	10 ½	2
3	7	10 ½	2

Features

- Heavy bottom support rails.
- High gloss powder coat paint is scratch & chemical resistant.
- Heavy gauge metal for a lifetime of use.
- Double wall construction for greater strength.
- Standard compound friction slides.
- TB-6024A pictured with optional tote tray.
- TTR-6024RA tote tray

WILLIAMS

26" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6124A	26	8 ¾	9	1980

- Ruggedly constructed hand tool box.
- Extra long tools up to 25" fit neatly inside.
- Three compartment tray with socket divider to keep small tools better organized and close at hand.
- Double drawbolts keep the lid tightly closed.
- Padlock eye with slotted hasp provides security.

WILLIAMS

21" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6121	21 ¼	8 ¾	12	1613

- Ruggedly constructed hand lool box
- Three compartment tray with socket divider to keep small tools better organized and close al hand.
- Double drawbolts keep the lid lightly closed.
- Padlock eye with slotted hasp provides security

WILLIAMS

21" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6123	21	8 ¾	12	1606

- Ideal lor general use
- Steel tote tray keeps smaller Items handy
- Combination drawbolt and padlock eye provide security

WILLIAMS®

21" FOUR TRAY CANTILEVER TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6218A	21 1/4	8 3/4	12	1971

- Four trays cantilever outward when box is open providing access to the exceptionally deep box.
- Two of the trays feature movable dividers and another has a protective cover to prevent small tools or parts from spilling into the box.
- Formed feet in the box bottom add to strength and keep the box away from wet, dirty surfaces.



TB-6218A

WILLIAMS®

20" HIP ROOF TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6220A	20	7	8	959

- Hip roof design for fitting bulky tools.
- Ideal for tradesman who carries bulky drills or 3/4 inch drive sets.
- Extra large tote tray with deeper space between handle and tray bottom.
- Combination drawbolt and padlock eye provide security.



TB-6220A

WILLIAMS®

19" FLAT TOP TOOLBOX

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6119A	19	6	6 1/2	741

- Ideal lor general use.
- Steel tote tray keeps smaller Items handy.
- Combination drawbolt and padlock eye provide security.



TB-6119A

WILLIAMS®

16" FLAT TOP TOOLBOX WITH TRAY

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Cubic Inch Capacity
TB-6116	16	6	6 1/2	574

- Ruggedly constructed hand lool box
- Three compartment tray with socket divider to keep small tools better organized and close al hand.
- Double drawbolts keep the lid lightly closed.
- Padlock eye with slotted hasp provides security



TB-6116





50851



50855

WILLIAMS

42" COMMERCIAL SERIES TOOL CABINETS

50855 Side Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
8200	15	18 3/4	37 1/16

50851 Side Cabinet Overall Dimensions

Capacity (cu. in.)	Width (inches)	Depth (inches)	Height (inches)
3,921	15	18 3/4	30 1/2

Features

- High gloss powder coat paint is scratch & chemical resistant.
- Heavy gauge metal for a lifetime of use.
- Adjustable shelf for versatile tool storage options.
- Can be used on all Williams Commercial Series roll cabinets.
- 50851 - 7-Drawer side cabinet - red only
- 50855 - Side cabinet with 1 shelf



50885W

WILLIAMS

HARDWOOD WORK SURFACE

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Fits Roll Cabinet	Roll Cabinet Description
50111	53 3/4	24	1 1/2	50885	Heavy Duty 54"
50103	74 3/4	24	3/4	50764	Super Value 75"
50102	55	24	3/4	50765	Super Value 56"
50101	40	18	3/4	50766	Super Value 42"

Features

- Laminated maple, hardwood work surface 1-1/2" for the Heavy Duty Series
- Hardwood surface 3/4" used on the Super Value Series



50764W



50766W

WILLIAMS®

TOOL TOTE BAGS

Product Code	Length (Inches)	Width (Inches)	Height (Inches)
JHW TOTE BAGA	14	11	10

Features
- Constructed from heavy Cordura® for maximum durability.
- Ideal for storing and toting tools, parts, and supplies.
- Heavy duty zippers for extra long life.



JHW TOTE BAGA

WILLIAMS®

METAL SOCKET SET TOOLBOXES

Rugged storage for Williams' premium socket sets

Product Code	Width (Inches)	Depth (Inches)	Height (Inches)	Gauge
TB-101	10	7	1 ½	22
TB-102	13	9	1 ¾	22
TB-103	18	8	2	22
TB-104	25	9	2	20
TB-12	30 ¼	11 ½	4 ¾	18
TB-35	14 ½	5 ½	1 ¾	22
TB-49	24 ⅞	8 ⅛	3 ⅞	18

Features
- Ruggedly constructed for long life.
- Ideal for storing socket sets, other tools, and small parts.
- Made from cold-rolled steel.

Made in U.S.A.



TB-103

WILLIAMS®

METAL SOCKET RAILS AND CLIPS

Product Code	Description	Material	Length (Inches)
R-9	Socket Rail	Metal	9
R-13R	Socket Rail	Metal	13
R-17	Socket Rail	Metal	17

Product Code	Description	Material	Drive Size (Inches)
RC-25	Socket Clip	Metal	¼
RC-37	Socket Clip	Metal	⅜
RC-50	Socket Clip	Metal	½
RC-75	Socket Clip	Metal	¾

* Socket clips sold individually * All rails hold any size clips

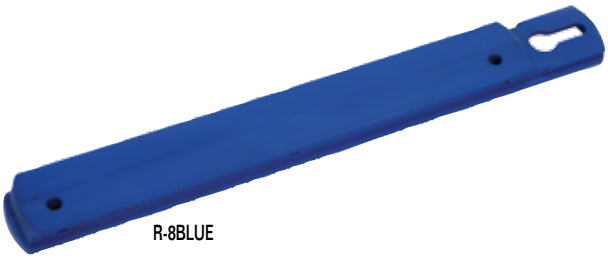
Made in U.S.A.



R-9

WARNING


RC-37-15P


R-8BLUE



R-4A



50001A


50003A

WILLIAMS

PLASTIC SOCKET RAILS AND CLIPS

Product Code	Description	Material	Length (Inches)
R-8BLUE	Socket Rail - Blue	Plastic	8
R-8RED	Socket Rail - Red	Plastic	8
R-13BLUE	Socket Rail - Blue	Plastic	13
R-13RED	Socket Rail - Red	Plastic	13
R-18BLUE	Socket Rail - Blue	Plastic	18
R-18RED	Socket Rail - Red	Plastic	18

Product Code	Description	Package Quantity	Drive Size (Inches)
RC-25-15P	Socket Clip	15 Pack	1/4
RC-37-15P	Socket Clip	15 Pack	3/8
RC-50-15P	Socket Clip	15 Pack	1/2

* Socket clips sold individually
* All rails hold any size clips

WILLIAMS

ROLL POUCHES

Customize Your Own Tool Sets

Product Code	Number of Pockets	Width (Inches)	Height (Inches)
R-1A	5	6	7 1/2
R-2A	5	8	12
R-3A	5	11 1/2	15 1/2
R-4A	5	12 1/2	18 1/2
R-5A	5	16	25
R-8A	15	17 1/4	10 1/2
R-10A	10	19 3/4	17 1/4
R-11A	10	26 1/2	25
R-13A	10	34 1/2	32
R-20A	14	14 1/2	8
R-23A	8	23 1/4	26
R-24A	4	8 3/4	11
R-27A	17	23 1/4	17 3/4
R-28A	26	19 1/2	27
R-29A	8	11	12 3/4
R-30A	9	14 5/8	13
R-30XA	9	14 3/4	8 1/2
R-31A	6	13 1/4	16
R-36A	9	9 1/4	10 1/2
R-37A	15	37	26 1/2
R-41A	11	24	20
R-42A	7	12 3/4	16
R-48A	3	15 1/4	9 1/4
R-49A	12	25 5/8	29

Features

- Heavy construction for long life.
- Ideal for storing a variety of tools such as wrenches, extensions, and ratchets.

WILLIAMS

VINYL POUCHES

Customize Your Own Tool Sets

Product Code	Width (Inches)	Height (Inches)
50001A	4 1/2	12 1/2
50003A	6	15
50005A	7 1/2	19
50007A	9 1/2	19
097411A	6	3/8
099965A	9 1/2	1/8

Features

- Extra heavy construction with snap fastening
- Clear plastic front panels allows full visibility to tools
- Metal grommets allow pouch to be hung on pegboard

WILLIAMS

REPLACEMENT CASTERS

Heavy Duty Casters

Product Code	Type	Size	Series	Tool Storage Part #	Max Load
50938	Rigid	6 x 2	Heavy Industrial, 54",&73"	50885, 50990	900
50939	Swivel	6 x 2		50885, 50990	900
50936	Rigid	6 x 2	Heavy Industrial, 27", 36", 41"	50887, 50888, 50890	600
50937	Swivel	6 x 2		50887, 50888, 50890	600
50934	Rigid	5 x 2	Heavy Industrial & Commercial 27" & 42"	50891, 50895, 50897, 50901, 50902, 50903	412
50935	Swivel	5 x 2		50891, 50895, 50897 50901, 50902, 50903	412

Medium Duty Casters

Product Code	Type	Size	Series	Tool Storage Part #	Max Load
50932	Rigid	5 x 2	Super Value & Utility	50730, 50731, 50765, 50766, 50767, 50768, 50831, 50837	400
50933	Swivel	5 x 2		50730, 50731, 50765, 50766, 50767, 50768, 50831, 50837	400
50930	Rigid	5 x 1 1/4	Utility	50833, 50835	150
50931	Swivel	5 x 1 1/4		50833, 50835	150

Features

- Caster - 6" in height





WILLIAMS

REPLACEMENT LOCK AND KEYS

Product Code	Tool Storage Product Code
50960	50742, 50743
50961	TB-6024RA, 50792, 50855
50962	50740, 50744, 50748, 50765, 50778, 50861, 50865, 50866, 50872, 50873, 50885, 50969
50963	50766, 50767, 50768, 50831, 50833, 50837, 50851, 50895, 50897, 50901
50964	50885, 50887, 50888, 50890
50965	50891
50966	50805, 50807, 50867, 50871
50967	50790, 50791, 50883, 50884, 50946
50968	50741, 50801
50969	50990, 50992
50970	50850
50971	50830
50972	50769, 50898, 50903, 50902, 50764
50973	50868
50976	50860, 50881, 50880
50974	Key Only - Professional Series
50975	Lock Only - Professional Series



TORQUE TOOLS

WE ARE THE WORLD'S LARGEST SUPPLIER OF INDUSTRIAL QUALITY TORQUE TOOLS, AND A RESPECTED LEADER IN PRECISION TORQUE, FORCE AND TENSION CALIBRATION SYSTEMS.

CDI IS ISO9001 CERTIFIED AND A PIONEER IN DEVELOPMENT OF THE MOST ADVANCED DIGITAL TORQUE MEASURING INSTRUMENTS IN THE INDUSTRY.

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



COMPUTORQ SG-STEEL GRIP ELECTRONIC TORQUE WRENCH P.84



DIGITAL TORQUE CHECKER P.83



TORQCONTROL ADJUSTABLE TORQUE TOOL P.89

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

CDI TORQUE PRODUCTS

MULTITEST CALIBRATION SYSTEMS

The **MULTITEST Torque, Force and Tension Calibration System** is the most sophisticated system available in the industry. This system will test and calibrate most types of torque wrenches, torque screwdrivers, torque multipliers, cable tensiometers, tension and compression gauges and non-impact power tools such as nutrunners and electric screwdrivers.

The Multitest Calibration System can be ordered several ways. Each system begins with the same three basic components: the Multitest Digital Monitor, the Roller Cabinet and the 2000 ft. lb. Mechanical Loader. We offer three different systems, the "Premier", the "Supreme" and the "Basic". These systems and their components are described in detail on the next few pages.

In addition, you may order any component separately to build your own "custom" system.

Features

- Automatic sensor recognition with "smart" transducers
- Range: 5 in. oz. to 2000 ft. lb. torque (bi-directional)
- Accuracy: ± 0.25% of indicated value, cw & ccw, from 10% to 100% of full scale, (except 2000-4-02*)
- Built-in, low profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Stores up to 3000 torque values
- Programmable manual or automatic options for clear, store and print functions
- 110 or 220 Volts selectable. Foreign plugs are included
- Recall and review of stored torque values
- Track, peak, first peak, power tool modes
- RS232C port, analog output
- Eight torque measurement units: in. oz., in. lb., ft. lb., Nm, dNm, cNm, mkg and cmkg
- Six force units: ounce, pound, newton, deciNewton, kilopound (kilogram) and gram
- Automatic lock-up for transducer protection
- All transducers supplied with certification
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

Made in U.S.A.





Multitest Digital Monitor with Soft Touch Keys.

Snap-on Industrial Brands offers factory torque training at our manufacturing facility in the City of the Industry, California. We also offer the same top tier training on-site at your location. Training includes a certificate of completion for each student. All of our training is full immersion hands-on training, not just reading from an instruction manual. Contact your representative for details.





CDI TORQUE PRODUCTS

MULTITEST PREMIER CALIBRATION SYSTEM

CDI's All Inclusive Calibration System Model 2000-1

Features

- Our most comprehensive calibration system for torque and force
- Calibrate torque wrenches up to 2000 ft. lbs.
- Check the accuracy and calibrate cable tensiometers, tension and compression gauges
- Includes the easy-to-use 4-in-1 transducer kit
- Eleven single transducers ranging from 5 in. oz. up to 2000 ft. lbs.
- Includes torque screwdriver testing kit
- Automatic safety feature locks system to prevent overloading and possible damage to transducers
- Displays eight units of torque and six units of force
- Also includes a calibration stand and all necessary calibration wheels, arms, weights and trays
- Downloading software included

MODEL 2000-1 INCLUDES:

Product Code	Description
2000-610-02	MULTITEST Monitor
2000-600-02	Mechanical Loader 2000 ft. lb. capacity
2000-100-02	Roller Cabinet
2000-400-02	4 in 1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	4 In 1 Transducer Adapter Kit
2000-4-02*	Transducer Range From 5 - 50 in. ozs. (*± 0.5%)
2000-5-02A	Transducer Range From 15 - 200 in. ozs.
2000-6-02	Transducer Range From 4 - 50 in. lbs.
2000-65-02	Transducer Range From 15 - 150 in. lbs.
2000-7-02	Transducer Range From 30 - 400 in. lbs.
2000-8-02	Transducer Range From 80 - 1000 in. lbs.
2000-10-02	Transducer Range From 10 - 125 ft. lbs.
2000-11-02	Transducer Range From 20 - 250 ft. lbs.
2000-12-02	Transducer Range From 60 - 600 ft. lbs.
2000-13-02	Transducer Range From 100 - 1000 ft. lbs.
2000-14-02	Transducer Range From 200 - 2000 ft. lbs.
900-0-1KIT	Joint Rate Simulator 50 in. lbs. capacity
900-2-01KIT	Joint Rate Simulator 400 in. lbs. capacity
900-3-01KIT	Joint Rate Simulator 1000 in. lbs. capacity

Product Code	Description
2000-550-02	Extension Arm Kit for Long Torque Wrenches
2000-750-02	Torque Screwdriver Testing Kit
2000-320-0	No. 1 Weight Set
2500-50-0	2-1/2" Calibration Wheel
2000-151-0	5" Calibration Wheel
2000-152-0	10" Butterfly Wheel
2000-154-0	40" Calibration Arm
390-2-2	4 oz. Weight Hanger
2000-301	8 oz. Weight Hanger
2000-304-0	7.5 lb. Weight Hanger
2000-302-0	15 lb. Weight Hanger
2000-303-0	50 lb. Weight Hanger
2000-250-02	Calibration Stand Kit
2000-260-0	Tension Meter
2000-261-0	Force Gauge
2000-262-0	Compression Gauge
2000-263-02	Force Arm Kit
2000-SW	PC Software
2000-50-1	Cable from MULTITEST to PC

USA
Made in U.S.A.



4 in 1 Transducer Kit with Mounting Adapter

CDI TORQUE PRODUCTS

MULTITEST SUPREME CALIBRATION SYSTEM

CDI's Torque-Only System Model 2000-2. Listed below are all of the components to CDI's "Supreme" MULTITEST Torque Calibration System. This is our mid-range system for torque, which has a range from 15 in. ozs. to 2000 ft. lbs. Designed for the user who requires precision accuracy and reliability in a torque calibration system. This set includes an extension arm for long torque wrenches and 3 joint rate simulators for testing power tools. (Not for use with impact and pulse tools.) PC compatible software and cables are also included.



MODEL 2000-2 INCLUDES:

Product Code	Description
2000-610-02	Multitest Digital Monitor
2000-600-02	Mechanical Loader Max 2000 ft.lb.
2000-100-02	Roller / Storage Cabinet 45" W x 24" D x 33" H
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit
2000-4-02*	Transducer Range From 5 - 50 in. ozs. (*± 0.5%)
2000-5-02	Transducer Kit-Range 15-200 in. oz.
2000-12-02	Transducer Kit-Range 60-600 ft. lb.
2000-13-02	Transducer Kit-Range 100-1000 ft. lb.
2000-14-02	Transducer Kit-Range 200-2000 ft. lb.
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"
900-0-1KIT	1/4" drive, 50 in. lb. Capacity Joint Rate Simulator
900-2-01KIT	3/8" drive, 400 in. lb. Capacity Joint Rate Simulator
900-3-01KIT	3/8" drive, 1000 in. lb. Capacity Joint Rate Simulator
2000-SW	Wedgelink Software
2000-50-1	Cable from MULTITEST or SURETEST to PC

USA Made in U.S.A.



4 in 1 Transducer Kit with Mounting Adapter.

MULTITEST BASIC CALIBRATION SYSTEM

Listed below are all of the components to CDI's "Basic" MULTITEST Calibration System Model 2000-3. The system includes the 4 in 1 transducer, which is capable of calibrating torque tools from 4 in. lbs. through 250 ft. lbs. Also included is the 2000 ft. lb. loader and the MULTITEST monitor.

MODEL 2000-3 INCLUDES:

Product Code	Description
2000-610-02	Multitest Digital Monitor
2000-600-02	Mechanical Loader Max 2000 ft.lb.
2000-100-02	Roller / Storage Cabinet 45" W x 24" D x 33" H
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit

USA Made in U.S.A.

Snap-on Industrial Brands offers factory torque training at our manufacturing facility in the City of the Industry, California. We also offer the same top tier training on-site at your location. Training includes a certificate of completion for each student. All of our training is full immersion hands-on training, not just reading from an instruction manual. Contact your representative for details.

WARNING





Dual Mode Function Manual and Automatic

CDI TORQUE PRODUCTS®

MULTITEST MOTORIZED SYSTEMS

CDI has taken torque calibration to a higher level. Increase your productivity with the 2000 ft. lb. fully automatic motorized loader. Designed for the high volume calibration laboratory that requires a high-speed, automatic torque calibration system. In the automatic mode, the **MULTITEST Motorized System Model 2800-1** will cycle, test and calibrate most torque wrenches. With our optional kits, you can calibrate torque screwdrivers, cable tensiometers, tension and compression gauges utilizing the manual mode, (hand crank only).

The MULTITEST Motorized System consists of the Monitor, Motorized Loader, Roller Cabinet and Extension Arm. Please order the transducers separately based on your individual needs. (Not for use with impact and pulse tools.)

Features

- Automatic sensor recognition with "smart" transducers
- Range: 5 in. oz. to 2000 ft. lb. torque (bi-directional)
- Accuracy: ± 0.25% of indicated value, cw & ccw, from 10% to 100% of full scale
- Dual mode function (manual & automatic)
- Automatic speed control
- Built-in, low profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Emergency stop button
- Programmable manual or automatic options for clear, store and print functions
- Recall and review of stored torque values
- Track, peak, first peak, power tool modes
- RS232C port, analog output
- Eight torque measurement units: in. oz., in. lb., ft. lb., Nm, dNm, cNm, mkg and cmkg
- Six force units: ounce, pound, newton, deciNewton, kilopound and gram
- Automatic lock-up for transducer protection
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.

MODEL 2800-1 INCLUDES:

Product Code	Description
2000-810-01	MULTITEST Digital Monitor
2000-800-02	Motorized Loader with roller cabinet
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"

MODEL 2800-3 INCLUDES:

Product Code	Description
2800-1	Base System (see system for details)
2000-400-02	4-in-1 Transducer Kit, 4 in. lbs. to 250 ft. lbs.
2000-500-02	Bracket for 4-in-1 Transducer Adapter Kit
2000-12-02	Transducer Range from 60 - 600 ft. lbs.
2000-14-02	Transducer Range from 200 - 2000 ft. lbs.
2000-SW	Software
2000-50-1	Cable from MULTITEST to PC

USA
Made in U.S.A.

Snap-on Industrial Brands offers factory torque training at our manufacturing facility in the City of the Industry, California. We also offer the same top tier training on-site at your location. Training includes a certificate of completion for each student. All of our training is full immersion hands-on training, not just reading from an instruction manual. Contact your representative for details.

CDI TORQUE PRODUCTS

SURETEST CALIBRATION SYSTEMS

The **SURETEST Model 5000-1** is a laboratory grade instrument which captures torque measurements with a user friendly interface. It features a large LCD graphic display. It may be used with a single transducer or can be used as the principal component of a Torque Calibration System.

The SURETEST Model 5000-2 is a midrange torque system with a range of 5 in. ozs. to 2000 ft. lbs.

The SURETEST features versatile data acquisition capabilities including measurement storage retrieval, statistical analysis and automatic downloading to an external printer/ computer. The SURETEST stores, recalls and downloads up to 3000 torque readings. The system provides readings with an accuracy of ± .25% of indicated value and features multiple languages: English, Spanish, French, Japanese and German.

The SURETEST Torque Calibration System may be ordered in three different combinations. The "Premier", the "Supreme" and the "Basic" systems are described on these pages. In addition, you may order any component separately to build your own "custom" system.



Made in U.S.A.

Features

- Large LCD graphical display
- Five built-in languages
- Date and time stamp
- Dual RS-232 ports, analog output
- SPC built-in
- Automatic downloading
- Accuracy: ± 0.25% of indicated value, CW & CCW, from 10% to 100% of full scale
- Transducers available from 5 in. ozs. to 2000 ft. lbs. of torque
- All transducers are "smart" (plug and play)
- Readout in eight different engineering units
- Stores and recalls 5000 torque values (date & time)
- Fully automatic voltage input adaptation (100 - 240 VAC input)
- Data is saved when SURETEST is turned off
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.



Set-up is quick and easy utilizing soft touch keys.



Easy, quick change transducers.

SURETEST CALIBRATION SYSTEMS INCLUDE:

Product Code	Description	5000-1 Premier	5000-2 Supreme	Product Code	Description	5000-1 Premier	5000-2 Supreme
5000-ST	Suretest Monitor w/Cable and Case	x	x	2000-320-0	Weight Set #1	x	
2000-600-02	Mechanical Loader Max 2000 ft.lb.	x	x	2500-50-0	2 1/2" Calibration Wheel	x	
2000-100-02	Roller / Storage Cabinet 45" W x 24" D x 33" H	x	x	2000-151-0	5" Calibration Wheel	x	
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.	x	x	2000-152-0	10" Butterfly Calibration Wheel	x	
2000-500-02	4 in 1 Transducer Adapter Kit	x	x	2000-154-0	40" Calibration Arm	x	
2000-4-02	Transducer Kit-Range 5-50 in. oz.	x	x	390-2-2	4 oz. Hanger Calibration Weight Tray	x	
2000-5-02	Transducer Kit-Range 15-200 in. oz.	x	x	2000-301	8 oz. Hanger Calibration Weight Tray	x	
2000-12-02	Transducer Kit-Range 60-600 ft. lb.	x	x	2000-304-0	7.5 lb. Calibration Weight Tray	x	
2000-13-02	Transducer Kit-Range 100-1000 ft. lb.	x	x	2000-302-0	15 lb. Calibration Weight Tray	x	
2000-14-02	Transducer Kit-Range 200-2000 ft. lb.	x	x	2000-303-0	50 lb. Calibration Weight Tray	x	
2000-550-02	Extension Arm for Long Torque Wrench, Reach up to 80"	x	x	2000-250-02	Calibration Stand Kit	x	
900-0-1KIT	1/4" drive, 50 in. lb. Capacity Joint Rate Simulator	x	x	2000-SW	Wedgelink Software	x	x
900-2-01KIT	3/8" drive, 400 in. lb. Capacity Joint Rate Simulator	x	x	2000-50-1	Cable from MULTITEST or SURETEST to PC	x	x
900-3-01KIT	3/8" drive, 1000 in. lb. Capacity Joint Rate Simulator	x	x	2000-50-2	Cable from MULTITEST or SURETEST to External Series Printer	x	x
2000-750-02	Torque Screwdriver Testing Kit for 2000-600-02 Loader	x					





CDI TORQUE PRODUCTS

SURETEST™ BASIC CALIBRATION SYSTEM

The **SURETEST Model 5000-3** is a laboratory grade instrument which captures torque measurements with a user friendly interface. It features a large LCD graphical display. It may be used with a single transducer or can be used as the principal component of a Torque Calibration System.

The SURETEST features versatile data acquisition capabilities including measurement storage, retrieval, statistical analysis and automatic downloading to an external printer/computer. The SURETEST stores, recalls and downloads up to 3000 torque readings. The system provides readings with an accuracy of +/- .25% of indicated value and features multiple languages: English, Spanish, French, Japanese and German.

Features

- Large LCD graphical display
- Five built-in languages
- Date and time stamp
- Dual RS-232 ports, analog output
- SPC built-in
- Automatic downloading
- Accuracy is +/- 0.25% of indicated value, CW & CCW, from 10% to 100% of full scale
- Transducers available from 5 in. ozs. to 2000 ft. lbs. of torque
- All transducers are "Smart" (Plug and Play)
- Readout in eight different engineering units
- Stores and recalls 3000 torque values (Date & Time)
- Fully automatic voltage input adaptation (100 - 240 VAC input)
- Data is saved when SURETEST is turned off
- All transducers supplied with certification
- All transducers are individually serialized with matching certificate of calibration traceable to N.I.S.T.



4 in 1 Transducer Kit with Mounting Adapter.

MODEL 5000-3 INCLUDES:

Product Code	Description
5000-ST	Suretest Monitor w/Cable and Case
600TL-2	Mechanical Loader 600 ft. lb.
2000-400-02	4 in 1 Transducer Kit-Range 4 in. lb. to 250 ft. lb.
2000-500-02	4 in 1 Transducer Adapter Kit
2000-12-02	Transducer Kit-Range 60-600 ft. lb.

USA
Made in U.S.A.

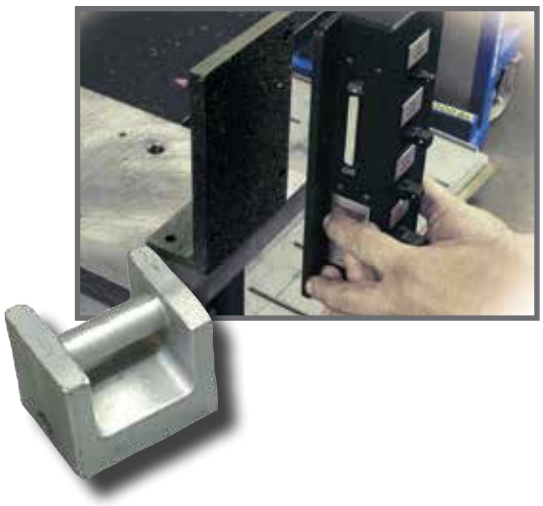
CUSTOM CALIBRATION SYSTEMS

Don't see the exact system you're looking for? Please call customer service to request a quotation on a custom calibration system. We will provide assistance designing a testing system to fit your application and specifications.

CDI TORQUE PRODUCTS

TEST/CALIBRATION ACCESSORIES

CDI's **calibration equipment** is expressly designed to calibrate the complete line of CDI Torque Transducers. All weight trays, arms and brackets supplied by CDI Torque Products are built with precision accuracy to meet the demanding needs of the calibration professional. All calibration wheels and arms are certified as to length, and supplied with a certificate of accuracy, which is traceable to N.I.S.T. (National Institute of Standards and Technology). Weights, trays and hangers are weight certified and are also supplied with a certificate of accuracy traceable to N.I.S.T. Mass Classification is Class F. Mating adapters are available to facilitate the use of the various components. Written procedures are available upon request for calibrating any of CDI's manufactured torque products.



TEST/CALIBRATION ACCESSORIES

Product Code	Description
2000-750-02	Torque Screwdriver Testing Kit for 2000-600-02 Loader
2000-750-06	Torque Screwdriver Testing Kit for 600TL Loader
2000-320-0	Weight Set #1 - For all Transducers
2000-321-0	Weight Set #2 - For 200 in. oz. to 600 ft. lbs.
2000-322-0	Weight Set #3 - For 600 ft. lb. to 2000 ft. lbs.
390-2-2	4 oz. Hanger Calibration Weight Tray
2000-301	8 oz. Hanger Calibration Weight Tray
2000-302-0	15 lb. Calibration Weight Tray
2000-303-0	50 lb. Calibration Weight Tray
2000-304-0	7.5 lb. Calibration Weight Tray
2000-250-02	Calibration Stand Kit
2500-50-0	2½" Calibration Wheel
2000-151-0	5" Calibration Wheel
2000-152-0	10" Butterfly Calibration Wheel
2000-154-0	40" Calibration Arm
2000-152-3	½" x ⅜" Calibration Arm Adapter
2000-226-3	¾" x ½" Sq. Drive Reducer
2000-226-2	1" x ¾" Calibration Arm Adapter
2000-0154-18	1 ¼" x ¾" Calibration Arm Adapter
S/2000-221-0	1 ¼" x ¾" Adapter for 40" Arm
342-35	Transducer Mounting Bracket up to 1000 in. lb. (TB342/1)
342-36	Transducer Mounting Bracket 125-600 ft. lb. (TB342/2)
2000-150-03	Transducer Bracket, 1000-2000 ft.lb.
343-25	Transducer Mounting Bracket 4 in 1 ETT (TB343)



SOCKET ADAPTERS FEMALE X FEMALE

Product Code	Opening	x	Opening
260-27	1/4" hex	x	1/4" sq
342-40	1/4" sq	x	1/4" sq
342-41-1	1/4" sq	x	3/8" sq
342-41-2	3/8" sq	x	3/8" sq
65-26-2	1/2" sq	x	3/8" sq
65-26-3	1/2" sq	x	1/2" sq
65-78-1	1/2" sq	x	3/4" sq
65-78-2	3/4" sq	x	3/4" sq
75-25-1	1" sq	x	3/4" sq
75-20	1" sq	x	1" sq







Turns any ordinary ratchet wrench.....



...into a highly accurate digital torque tool.

CDI TORQUE PRODUCTS

MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

The **MULTITORQ portable electronic torque meter** displays torque readings from sensors that attach between sockets and driver. MULTITORQ is a highly versatile torque analyzer/data acquisition system that can be used with sockets, extensions, universal joints, ratcheting drivers or any combination of these. Sensors are sold separately, available in 8 ranges from 2-20 in. ozs. to 150-1500 ft. lb. Accuracy ± 1% of reading (± 2% reading for 20 in. oz., and 10 in. lb.) 10-100% of sensor range.

The torque analyzer features a wide angle viewing LCD display with selectable readouts; ft. lb., in. lb., in. oz., Nm, dNm, mkg, and cmkg units. Torque target settings are entered via a push button membrane keyboard. High and low torque limits are adjustable to give an audible and visual alarm. The user selects Track mode to display torque values as they are applied, or Peak mode to display the highest torque value applied.

Features

- 4 digit w/ alpha & numerical function flags
- 4 digit, 8000 counts display capacity
- Accuracy: ± 1% of indicated value, cw & ccw, from 10% to 100% of full scale, 201-O-MT and 101-I-MT are ± 2%
- Soft touch keys: hi/lo alarm, zero tare, set-up, units, store/recall/clear, send, statistics, enter
- Units of measurement: ft. lb., in. lb., in. oz., Nm, dNm, mkg and cmkg
- Storage: -20 to 50 degrees C (-2 to 122 degrees F)
- Humidity: up to 90%, non-condensing
- Dimensions: 3" wide, 2.5" high (3" with belt clip), 6" deep
- Weight: 1 pound
- Charge life (full charge to shutoff): 20 hours continuous
- Battery chargers: 120 VAC
- Optional 220 Volt charger available
- Output: 9VDC, 200mA
- Data storage/recall: 3500 measurements
- Serial output port: RS-232 (true), 300-19.2k baud, and mitutoyo (statistical protocol)
- Rechargeable Ni-Cad batteries
- Reads bi-directionally (cw and ccw)

MULTITORQ TORQUE & DATA COLLECTION SYSTEMS

Standard Set Includes:

Product Code	Description
1600-MT	MULTITORQ Unit includes: power pack/charger (P115-30) and case (1600-50)

Sensors: (sold separately)

Product Code	Torque Range	Drive
201-0-MT	2 - 20 in. oz.	¼"
101-I-MT	1 - 10 in. lb.	¼"
501-I-MT	5 - 50 in. lb.	¼"
2001-I-MT	20 - 200 in. lb.	¼"
1002-F-MT	10 - 100 ft. lb.	⅜"
2503-F-MT	25 - 250 ft. lb.	½"
6004-F-MT	60 - 600 ft. lb.	¾"
15005-F-MT	150 - 1500 ft. lb.	1"

Certificate of accuracy traceable to N.I.S.T. supplied with each transducer.
All components ordered separately.

Optional Accessories:

Product Code	Description
2000-50-1	Download Cable Rs-232 to Pin Serial Point
1800-5027	220 VAC (50-60 Hz) Charger

Made in U.S.A.

CDI TORQUE PRODUCTS

DIGITAL TORQUE TESTER™ (DTT)

TEST THE HEALTH OF YOUR TORQUE WRENCHES – ANYWHERE WITH THE DIGITAL TORQUE TESTER.

Utilizing the testing protocol and standards developed by the American Society of Mechanical Engineers (ASME)



The **Digital Torque Tester™ (DTT)** is designed to be an affordable torque tester that can be mounted on a wall or used in a bench-top vise to allow the operator to conveniently test torque wrenches and torque screwdrivers. It features an easy to use touch pad screen to capture peak torque values during a test in real time, and download stored torque data to a PC. All DTT torque testers are sold in a kit with the tester, carrying case and AC/DC power supply.

DIGITAL TORQUE TESTER™ (DTT)

Product Code	Female Drive	Range English	Range cNm, Nm	Range, kgcm
1001-O-DTT	1/4"	10 - 100 in.oz.	7,06 - 70.6 cNm	.720 - 7.20 cmkg
8001-O-DTT*	1/4"	20 - 800 in.oz.	14.1 - 565 cNm	1.44 - 57.6 cmkg
501-I-DTT	1/4"	5 - 50 in.lb.	56 - 565 cNm	5.76 - 57.60 cmkg
1001-I-DTT	1/4"	10 - 100 in.lb.	113 - 1113 cNm	11,5 - 115 cmkg
2502-I-DTT	3/8"	25 - 250 in.lb.	2.82 - 28.25 Nm	28.80 - 288.0 cmkg
4002-I-DTT	3/8"	40 - 400 in.lb.	4.52 - 45.2 Nm	46 - 460 cmkg
10002-I-DTT	3/8"	100 - 1000 in.lb.	11.3 - 113 Nm	115 - 1152 cmkg
2503-F-DTT	1/2"**	25 - 250 ft.lb.	33.8 - 338 Nm	3.45 - 34.5 kgm
6004-F-DTT	3/4"	60 - 600 ft.lb.	81.3 - 813 Nm	8.30 - 83 kgm

Accuracy:	± 0.50% 10% to 100% CW & CCW of indicated test value @ 25° C
*Accuracy:	± 1% CW & CCW from 2-1/2% to 100% of full scale. New for Torque Screwdriver.
Units of Measure:	Nm, kgcm, ft.lb., in.lb., in.oz., kgm, cNm
Operation Modes:	TRACK, PEAK, FIRST PEAK
Operating Temperature:	10 to 32° C (50 to 90° F)
Storage Temperature:	-20 to 50° C (-2 to 122° F)
Humidity:	85% Relative Humidity @ 21° C (70° F)
Power Supply:	Included 9-volt A/C D/C adapter. 6 AA batteries included.
Data Storage/Recall:	Memory Capacity – 500 Records (Complete Check Mode Only.)
Dimensions:	W - 10" x H - 16" x D - 2.5"
Weight:	(Tester Only) - 10.7 lbs., (with Carrying Case) - 17.4 lbs.

** Includes 1/2" - 3/8" Reducer

DTT OPTIONAL ACCESSORIES

Product Code	Description
2344-0050-03	Table Mounting Bracket for DTT Series Testers
2344-0051-02	Male SQ Adapter 3/8" x 3/8"
2344-0051-11	1/4" to 1/4" adapter
2344-0051-13	1/2" to 1/2" adapter
2344-0051-16	3/8" to 1/2" adapter
2344-0051-19	3/4" to 1-1/4" adapter



Table Mounting Bracket

WILLIAMS

TORQUE COMPARATOR

Large dual scale. Perfect when a quick check of your wrench is required before usage. Compact design allows for mounting on any flat surface in either horizontal or vertical position. Torque Comparator is calibrated on torque testers wich are certified using test bars and "F" weights traceable to NIST. +/- 2% accuracy from 20% of full scale to full scale. Calibration Compliance Certificate.



TORQUE COMPARATOR

Product Code	Square Drive	English Capacity	Inc.	Nm, Capacity	Inc.
1753-TC	1/2"	175 ft. lbs.	5 ft. lbs.	230 Nm	10 Nm
6004-TC	3/4"	600 ft. lbs.	5 ft. lbs.	800 Nm	20 Nm



USA
Made in U.S.A.

CDI TORQUE PRODUCTS

ETT™ ELECTRONIC TORQUE TESTER



The **ETT (Electronic Torque Tester)** is CDI's portable torque tester. Unlike a torque calibration system, which can be used to generate a torque wrench certification, the ETT is a portable, battery powered stand-alone torque tester. It can also be used on AC power. Its primary use is to check the accuracy of dial and click type torque wrenches and torque screwdrivers to maintain their accuracy in between calibrations. With the addition of a joint rate simulator, ETT can also check stall and clutch type pneumatic and electronic torque tools. It should not be used with any impact or pulse type tools. There are eight models with torque ranges from 10 inch ounces up to 600 foot pounds.

Features

- Integral transducer and sturdy housing allow mounting in virtually any position
- Unique neck design allows the operator to see the LCD display when testing long torque wrenches
- Accuracy: ± 0.5% of indicated value, cw & ccw, from 10% to 100% of full scale + 1 increment or least significant digit
- Four modes of operation: peak mode, power tool mode, first peak mode and track mode
- Dual scale (English/Nm or English/cNm, dNm)
- Auto/manual display reset
- Reads bi-directionally (cw and ccw)
- Rechargeable NiCad batteries
- Designed to be a sturdy low cost tester, ETT can be placed on the wall in the factory, on a portable cart or on a bench allowing operators to test torque wrenches or power tools without having to leave their station

ELECTRONIC TORQUE TESTERS (ETT)



Product Code	Torque Range SAE	Torque Range Newton Meter	Drive Size
1001-0-ETT	10 - 100 in. oz.	7.0 - 70.6 cNm	¼"
4001-0-ETT	40 - 400 in. oz.	28 - 280 cNm	¼"
501-I-ETT	5 - 50 in. lb.	5.6 - 56 dNm	¼"
1001-I-ETT	10 - 100 in. lb.	11.3 - 113 dNm	¼"
2502-I-ETT	25 - 250 in. lb.	28 - 280 dNm	⅜"
10002-I-ETT	100 - 1000 in. lb.	113 - 1130 dNm	⅜"
2503-F-ETT	25 - 250 ft. lb.	34 - 339 Nm	½"
6004-F-ETT	60 - 600 ft. lb.	81 - 813 Nm	¾"

- Use joint simulator with Power Tools
- Power adapter cord included - Part #P115-30
- Bench bracket available - Part #343-25
- Socket adapter included with tester (female to female) suited for size of square drive of ETT

Made in U.S.A.

JOINT RATE SIMULATORS

Product Code	Description
900-0-1KIT	¼" drive, 50 in. lb. Capacity Joint Rate Simulator
900-2-01KIT	⅜" drive, 400 in. lb. Capacity Joint Rate Simulator
900-3-01KIT	⅜" drive, 1000 in. lb. Capacity Joint Rate Simulator

Made in U.S.A.



CDI TORQUE PRODUCTS

DIGITAL TORQUE CHECKER

Perfect for checking mechanical and digital torque wrenches regularly before use. Simple operation and affordable, to allow convenient mounting close to each departments where torque wrenches are used frequently

Product Code	Square Drive	English Capacity	Nm. Capacity	Weight
2503-F-DTC	1/2"	25-250ftlbs	34-339 Nm	4.9 lbs
3325-0320-01		12V Charger		

- Integral transducer and sturdy housing allow mounting in virtually any position
- Unique neck design allows the operator to see the LCD display when testing long torque wrenches
- Accuracy: ± 0.5% of indicated value, cw & ccw, from 10% to 100% of full scale + 1 increment or least significant digit
- Four modes of operation: peak mode, power tool mode, first peak mode and track mode
- Dual scale (English/Nm or English/cNm, dNm)
- Auto/manual display reset
- Reads bi-directionally (cw and ccw)
- Rechargeable NiCad batteries
- Designed to be a sturdy low cost tester, ETT can be placed on the wall in the factory, on a portable cart or on a bench allowing operators to test torque wrenches or power tools without having to leave their station

Made in U.S.A.

CDI TORQUE PRODUCTS

COMPUTORQ SG-STEEL GRIP ELECTRONIC TORQUE WRENCH



TORQUE IN LESS TIME, WITH MORE ACCURACY AND CONTROL

This new line of Electronic Torque Wrenches from CDI Torque Products is truly revolutionary. They unite torque and angle in a single mode to provide the most accurate and fastest way to tighten fasteners in a sequence. In addition to the LED indicator lights, an audible beep and handle vibration alert you when target torque is achieved.

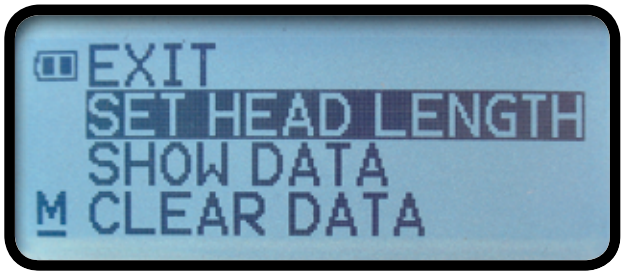
CDI COMPUTORQ SG Industrial Electronic Torque Wrenches provide instant data on the exact torque actually applied—something mechanical wrenches can't do. The patent-pending Torque and Angle combo mode provides the most accurate and fastest way to achieve torque plus angle in a single motion. Control torque accuracy to +/- 2% clockwise, +/- 3% counterclockwise. Control angle accuracy to +/- 1% of reading and +/- 1 degree.

The rugged, all-steel body is designed to stand up to industrial use and each wrench is backed by a 1 year warranty. N.I.S.T. traceable certificate of calibration included.



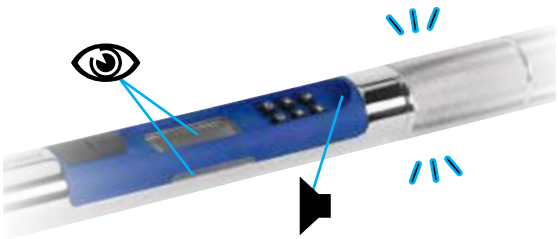
LED INDICATOR LIGHTS

Dual side LED indicator lights with configurable settings provide operational guidance.



DID YOU KNOW?

These Industrial Torque Wrenches are ideal for any working condition thanks to audible, tactile and visual indicators that verify when torque is within the target range.



MULTI-SENSORY INDICATORS

The easy-to-read LCD screen, LED indicator lights, audible beep and handle vibration work together to signal when torque is within the targeted range.

WARNING

CDI TORQUE PRODUCTS



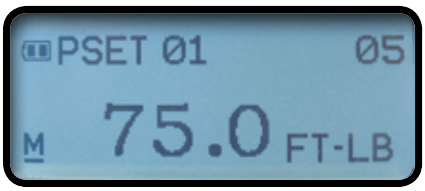
COMPUTORQ SG-STEEL GRIP ELECTRONIC TORQUE WRENCH

CONVENIENCE & CONTROL

COMPUTORQ SG TORQUE WRENCHES are fully programmable for reliable, consistent, and repeatable torque application. Every model features a large, backlit LCD screen for better visibility in a variety of working conditions and a high capacity memory for storage of 1,500 readings.

CONVENIENT DATA DOWNLOAD
USB plug and play technology allows data download without additional software. Simply connect the included USB cord to the wrench and a PC to drag and drop data for an audit proof trail and process control.

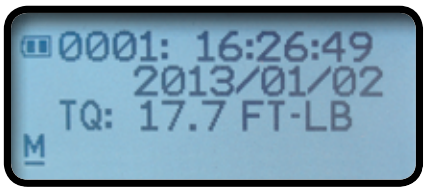
DATE/TIME	MIN TARGET TORQUE	MAX TARGET	PEAK TORQUE	MIN TARGET	MAX TARGET	PEAK ANGLE	TORQUE UNITS	TORQUE STATUS	ANGLE STATUS	MODE COUNT
1/1/2013 16:38	20	30	20.3	0	0	0	FT-LB	OK	OK	3
1/1/2013 16:38	20	30	20.55	0	0	0	FT-LB	OK	OK	2



FULLY PROGRAMMABLE
50 memory presets with a batch count up to 99. Presets can be locked to prevent inadvertent changes or tampering.



CALIBRATION DUE INDICATOR
Using a patent-pending* time based calibration technology, the wrench alerts you when calibration is needed.



RELIABLE DATA TRAIL
Time stamped data trail for quality control, job auditing, and torque verification.

SEQUENCE PROGRAMMING
Allows you to program different torque applications in sequence and lock in job mode to ensure the operator follows sequence without error.



Product Code	2401CASG	1002CASG	2503CASG	6004CASG
Square Drive	1/4"	3/8"	1/2"	3/4"
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head
Torque Range, in lb	12-240	60-1200	150-3000	360-7200
Torque Range, ft lb	1-20	5-100	12.5-250	30-600
Torque Range, Nm	1.4-27.2	6.8-135.6	16.9-339	40.7-813.5
Torque Accuracy	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise	+/- 2% Clockwise; +/- 3% Counterclock-wise
Angle Range	0-360 Degrees	0-360 degrees	0-360 degrees	0-360 Degrees
Storage Capacity	1,500 Readings	1,500 Readings	1,500 Readings	1,500 Readings
Number of Presets	50	50	50	50
All Steel Body	Yes	Yes	Yes	Yes
Batteries Included	3 x AAA Lithium	3 x AA Lithium	3 x AA Lithium	3 x AA Lithium
Storage Case Included	Yes	Yes	Yes	Yes
Ratchet Service Kit	0514-0029-01RK	0514-0030-01RK	0514-0031-01RK	9610-0112RK
Head Depth (A)	3/4" (19.3 mm)	1-1/32" (26.19 mm)	1-3/10" (33.02 mm)	2-4/5" (71.12 mm)
Head Width (B)	15/16" (23.8 mm)	1-7/10" (43.18 mm)	1-1/2" (63.5 mm)	2-3/5" (66.04 mm)
Warranty	1-Year	1-Year	1-Year	1-Year

All models comply with ISO®-6789-2003 and ASME® B107.300-2010 (B107.28) Standards for Electronic Torque Instruments
*U.S. and Foreign Patents Pending

CDI TORQUE PRODUCTS

COMPUTORQ 3 ELECTRONIC TORQUE WRENCHES

The **COMPUTORQ 3** Electronic Torque Wrench is a simple to use digital readout wrench that displays real time torque values in any of four torque units, ft.lbs., in.lbs., Nm, kg.cm. Simply set the desired torque value and apply force until the green LED illuminates. Great for light industrial, automotive, motorcycle, watercraft and aircraft applications.



HIGH ACCURACY MODELS AVAILABLE

Features

- Sleek new design
- 15-degree flex ratcheting head
- Push button socket release head
- Large, easy to read digital display
- Long battery life, uses 2 each CR123 lithium batteries
- Ergonomically designed molded non-slip rubber grip
- Torques in both clockwise and counterclockwise directions
- Battery saving auto-shutoff after two minutes
- COMPUTORQ 3 remembers last unit and torque setting selected
- Audible tone sounds when set torque value is reached, if the set torque value is exceeded, an alarm tone will sound.
- 3 color LED light bar
  YELLOW LED indicates approaching desired torque setting
  GREEN LED indicates desired torque value is reached
  RED LED indicates fastener was overtorqued, loosen and retighten.
- When desired torque value is reached, display will hold value and flash for ten seconds.
- COMPUTORQ 3 will operate in any of four torque units, foot pounds (ft. lbs.), inch pounds (in. lbs.), newton meter (Nm) or kilogram centimeter (kg. cm.).
- ACCURACY:
  ±2% CW of readings from 20% to 100% of full scale
  ±3% CCW of readings from 20% to 100% of full scale
- N.I.S.T. traceable certificate of calibration included

STANDARD MODELS

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
2401CI3	¼"	2.0 - 20.0	24 - 240	2.71 - 27.10	27.6 - 276	15 (381)	2.0 (.91)
1002CF3	⅜"	10.0 - 100.0	120 - 1200	13.6 - 135.6	138 - 1382	17 (432)	2.2 (1.0)
2503CF3	½"	25 - 250	300 - 3000	33.8 - 338	345 - 3456	27 (686)	3.5 (1.59)

USA Made in U.S.A.

HIGH ACCURACY MODELS

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
2401CI3HA*	¼"	2.0 - 20.0	24 - 240	2.71 - 27.10	27.6 - 276	15 (381)	2.0 (.91)
1002CF3HA*	⅜"	10.0 - 100.0	120 - 1200	13.6 - 135.6	138 - 1382	17 (432)	2.2 (1.0)
2503CF3HA*	½"	25 - 250	300 - 3000	33.8 - 338	345 - 3456	27 (686)	3.5 (1.59)

The certification of accuracy provided per ASME and ISO Standards is 20% to 100% of full scale.



COMPUTORQ 3 Display and 3 Color LED Light Bar

***HIGH ACCURACY 1% Clockwise direction only. It couldn't be easier to use!**

USA Made in U.S.A.

WARNING



CDI TORQUE PRODUCTS

TORQUE & ANGLE™ ELECTRONIC TORQUE WRENCHES

The CDI **Torque and Angle Electronic Wrench** incorporates 21st Century Technology in a simple to use digital wrench. Specifically designed to meet the needs of the torque professional where torque plus angle is required. It features three units of torque, ft.lbs. In.lbs. and Nm as well as the angle mode.

The Torque and Angle wrench allows the technician to apply a specific torque load, followed by the angle specification, all in one convenient wrench. It features a three LED light bar and audible buzzer. As the angle mode is a separate function, the wrench can also be used as a stand alone digital torque wrench.

Features

- Accuracy is +/- 2% CW, +/- 3% CCW of indicated value
- Gyro chip senses 360° of movement, and is accurate to within +/- 3.8°
- No maintenance, just change batteries at 80 hours
- VERY easy to set up and use quickly
- Almost impossible to over torque
- Digital torque measurement and digital angle measurement in one convenient package
- Ergonomic non-slip cushion grip
- 15% Flex Ratchet head
- Long battery life, uses two CR123 lithium batteries
- Convenient, push button socket release ratchet head
- 3 step LED visual signal system:
  Yellow Light = approaching target torque
  Green Light = target torque reached
  Red Light = over torque indicator
- N.I.S.T. traceable certificate of calibration included

TORQUE & ANGLE™ ELECTRONIC TORQUE WRENCHES

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Angle	Length In. (mm)	Wt. Lbs. (kgs)
1002TAA-CDI	⅜"	10 - 100	120 - 1200	12.6 - 135.6	0-360°	17 (432)	2.2 (1.0)
2503TAA-CDI	½"	25 - 250	300 - 3000	33.8 - 338	0-360°	27 (686)	3.5 (1.59)

USA Made in U.S.A.

The certification of accuracy provided per ASME and ISO Standards is 20% to 100% of full scale.



CDI TORQUE PRODUCTS

HEAVY-DUTY TORQUE & ANGLE™ TORQUE WRENCH

LEADING THE WAY IN HEAVY-DUTY TORQUE AND ANGLE APPLICATIONS WITH INNOVATIVE SOLUTIONS THAT MAKE A DIFFERENCE IN DOING THE JOB RIGHT.

The CDI **600 ft.lb. Heavy-Duty Torque & Angle™ Torque Wrench** eliminates the need for angle gauges and protractors, providing the most accurate and efficient way to achieve torque plus angle tightening sequences now specified by many manufacturers. The digital readout displays a torque setting then with a push of a button, switches to the angle mode. Angle readout not affected by ratcheting. Angle calculation based on the same gyroscopic technology that maintains helicopters at level flight.

- Torque Accuracy: (2% CW & 3% CCW FROM 20 – 100% F.S.)
  (4% CW & 6% CCW FROM 10 – 19% F.S.)
- Angle Accuracy: ± 3.8% of indicated value
- Angular Display Resolution: 1°

Features

- Torque Units: ft.lb., in.lbs., Nm
- Audible (tone) Preset Alerts
- Display Resolution: 0.1 ft.lb., 0.1 Nm, 1 in.lb.
- Comfortable non-slip grip handle
- Sealed Ratchet Head
- 4 "AA" Alkaline Batteries Included
- Low Battery Indicator and Auto Shutoff after two minutes idle
- Operating Temperature: 40 - 110° F. (5 - 42° C)
- Storage Temperature: 0 - 122° F (-20 - 50° C)
- Humidity up to 90% non-condensing
- EU/CE-DE, ES, FR, IT, NL, PT, UK and Japanese language manual
- Certificate of N.I.S.T. traceability for 20% to 100% of full scale
- Includes storage case

HEAVY-DUTY TORQUE & ANGLE™ TORQUE WRENCH

Product Code	Drive	Ft. Lb.	In. Lb.	Nm	Angle	Length In. (mm)	Wt. Lbs. (kgs)
6004TAA	¾"	120 - 600	1440 - 7200	156 - 780	0-360°	49 (1244.6)	14 (6.35)

USA Made in U.S.A.

CDI TORQUE PRODUCTS

ELECTRONIC DIAL TORQUE WRENCH

The new **Electronic Dial (ED)** torque wrench features solid-state electronics for accurate torque application and measurement. ED's design provides easy set-up and usage. There is no need to look directly at the digital readout as the wrench features 3 indicating lights and an audible buzzer.

The ED wrench has unsurpassed reliability and durability -- 21st century technology in a simple, easy to read digital torque wrench.



Features

- 4 units of measure...ft lb, in lb, Nm, kg.cm.
- Accuracy: ± 2% CW & ± 3% CCW - of indicated value from 20% to 100% of full scale
- 3 step LED visual signal system
  YELLOW LIGHT = approaching target torque
  GREEN LIGHT = target torque reached
  RED LIGHT = over torque indicator
- Audible tone when desired torque is reached
- Alarm tone sounds if wrench is overtorqued
- Ergonomically designed wrench body
- Display can be turned 180 degrees to allow left hand usage
- Battery cover designed to be aviation FOD proof
- Holds "peak" torque reading for 10 seconds
- Constructed of special Capron® material for long life and durability
- Resistant to the majority of chemicals used in industrial environments
- Wrench can be hung on tool board
- Bar graph displays orientation of torque application (left or right hand)
- Uses standard 9 volt alkaline battery
- N.I.S.T. traceable certificate of calibration included
- Meets or exceeds ASME B107.28 – 2005

ELECTRONIC DIAL TORQUE WRENCH

Product Code	Drive	In. Lb.	Ft. Lb.	Nm	Kg. Cm.	Length In. (mm)	Wt. Lbs. (kgs)
501ED-CDI	¼"	5 - 50	.42 - 4.17	.56 - 5.65	57 - 57.61	11.5 (292)	1.25 (.57)
2502ED-CDI	⅜"	25 - 250	2.08 - 20.83	2.82 - 28.25	28 - 280.03	14.5 (368)	1.51 (.68)
6002ED-CDI	⅜"	60 - 600	5 - 50	6.79 - 67.79	69 - 691.27	14.5 (368)	1.51 (.68)



CDI "ED": Easy to change dial orientation.



The yellow LED illuminates within 10% of target torque.



The green LED illuminates within 4% of target torque. Continuous buzzer sounds when target is reached.



The red LED illuminates 4% beyond target torque, indicating fastener was overtorqued. Rapid "alarm" buzzer sounds.





CDI TORQUE PRODUCTS

TORQUE LIMITING T-HANDLE - PRE-SET

Product Code	Pre Set Value Nm	Ft. Lb.	In. Lb.	Bit
TLPT4NM	4.0	2.9	35.4	4 mm
TLPT5NM	5.0	3.7	44.3	4 mm
TLPT6NM	6.0	4.4	53.1	4 mm

Features

- Torque Limiting Technology to Prevent Over-Tightening
- Magnetic Shank to Interchange Bits as Needed
- Rounded T-Handle Grip for Added Comfort
- Hi-Vis Color for Easy Identification
- Shaft accepts 1/4" hex shank bits, a 4 mm bit is included in each driver



CDI TORQUE PRODUCTS

TORQCONTROL ADJUSTABLE TORQUE TOOL

ACCURATE, FAST, EASY AND ERROR-PROOF

Applying just the right amount of torque in low-torque applications can be tricky at times. The new patent-pending TorqControl Torque Tool is an adjustable, torque limiting tool that applies torque in a range between 2 Newton Meters (Nm) and 8 Nm, indexing at every tenth Newton Meter.

Product Code	Nm Range	Included Bits
TLA28NM	2.0-8.0	4 mm, 5 mm, 6 mm, T25, 4" Long 4mm, 4" Long T25 Bits

Features

- Perfect for applying torque to bicycle components
- Magnetic tip holds, and allows for easy bit changes
- Standard ¼" hex tip can utilize any standard hex bits
- Ergonomic L-shaped handle with rubberized cap for better grip
- Includes Certification of Accuracy
- TorqControl provides easy adjustability

CDI TORQUE PRODUCTS

TORQUE SCREWDRIVERS - MICRO-ADJUSTABLE

Adjustable models offer versatility for applications that require more than one torque value. These torque screwdrivers are particularly suited for the electronics industry and for instrument assembly work. A simple, cam-over design prevents over-tightening and possible damage to components.

Torque settings are easily and accurately changed with a unique adjusting knob and easy-to-read window scale. Adjusting the screwdriver is simple. Just pull out the adjusting knob to unlock, turn to the desired setting, then push the knob in until it clicks!

Positive locking knob makes accidental setting changes impossible. Automatic lock in counterclockwise direction makes fastener removal a snap. The Micro-Adjustable series includes six models with torque settings ranging from 20 in. ozs. to 40 in. lbs.

Features

- 6 models available
- Positive locking pull down adjustment knob
- Trilobular comfort grip
- Universal 1/4" hex bit holder with strong rare earth magnet
- Cam-over torque limiting clutch
- Slip resistant finish
- Easy-to-read window scale
- Light weight
- Automatic lock in CCW direction for disassembly
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- Meets or exceeds ASME B107.14 - 2004



TORQUE SCREWDRIVERS - MICRO-ADJUSTABLE

Product Code	Torque Range	Increments	W x L Inches	Wt. Oz.
61SM	20 - 100 in. ozs.	1 in. oz.	1.1 x 5.5	6.8
151SM	3 - 15 in. lbs.	.2 in. lbs.	1.1 x 6.25	8.0
401SM	5 - 40 in. lbs.	.5 in. lbs.	1.2 x 6.75	10.8
61NSM	10 - 80 cNm	1 cNm	1.1 x 5.5	6.8
151NSM	40 - 200 cNm	2 cNm	1.1 x 6.25	8.0
401NSM	50 - 450 cNm	5 cNm	1.2 x 6.75	10.8

USA Made in U.S.A.

WARNING



TORQUE SCREWDRIVERS - SINGLE SETTING

Product Code Un-Set	Product Code Factory Pre-Set	Torque Range	W X L Length	Wt. Oz.
21SP	21SP-SET	6-32 in.ozs	1.1 x 4.5	5.3
61SP	61SP-SET	10 - 100 in.ozs.	1.1 x 5.6	7.0
151SP	151SP-SET	1.5 - 15 in. lbs	1.1 x 5.6	7.0
401SP	401SP-SET	4 - 40 in. lbs.	1.2 x 6.3	9.6

CDI TORQUE PRODUCTS

TORQUE SCREWDRIVERS - SINGLE SETTING

The tamper resistant design of the **Single Setting** series is particularly suited for high-volume use in assembly operations. A simple, cam-over design prevents over-tightening and possible damage to components.

Torque screwdrivers may be ordered factory pre-set at an additional charge or they may be easily set by the operator with any quality torque calibration system. The end cap removes for easy access to the 1/8" hex adjustment screw. A hex adjustment key is included with each driver.

The Single Setting series includes four models with available torque settings from 6 in. ozs. up to 40 in.lbs. When precision and repeatability are a must, the choice is simple - CDI Torque Screwdrivers.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting and are furnished with a Certificate of Calibration
- Please specify desired torque setting when order is placed
- 4 models available
- Trilobular comfort grip
- Universal 1/4" hex bit holder with strong rare earth magnet
- Cam-over torque limiting clutch
- Rugged, light weight aluminum body
- Automatic lock in CCW direction
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME B107.14 - 2004

Made in U.S.A.





Prevents premature wear of carbide inserts and damage to cutter head due to improper clamp load.

CDI TORQUE PRODUCTS

TORKY - SINGLE SETTING WRENCHES

CDI's **TORKY** is a right angle pre-set torque wrench. Torky is designed for production torque applications that require higher values than a torque screwdriver can deliver. The comfortable design eases the strain of repeated uses. Torque value may be ordered factory pre-set at an additional charge or it may be easily set by the operator with any quality torque calibration system. When the proper torque value is reached, a momentary release or "break" can be felt. Available in three drive styles to fit most needs.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting and are furnished with a Certificate of Calibration
- Please specify desired torque setting when order is placed
- Three models available
- Simple, easy to use design
- Ruggedly built for years of reliable service
- Operates bi-directionally
- Accuracy: ± 6% of indicated value, CW, from 20% to 100% of full scale

TORKY - SINGLE SETTING WRENCHES

Product Code Un-Set	Product Code Factory Pre-Set	Drive	Torque Range	W X L Length	Wt. Oz.
1501TPA-1	1501TPA-1-SET	1/4" Female Hex	20-170 in.lbs.	1 x 5.25	8.3
1501TP-1	1501TP-1-SET	1/4" Male Square	20-170 in.lbs.	1 x 5.25	8.3
1502TP-1	1502TP-1-SET	3/8" Male Square	20-170 in.lbs.	1 x 5.25	8.3

Made in U.S.A.

CDI TORQUE PRODUCTS

DIAL TORQUE WRENCHES - DUAL SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.





Features

- Sturdy body construction insures durability
- Easy to read laser marked dual scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 3% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

DIAL TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
Memory Needle Models										
301LDIN	¼"	0-30 in. lb.	.5 in. lb.	0-3.5 Nm	.1 Nm	11.5	1.1	1.2	2.75	1.1
751LDIN	¼"	0-75 in. lb.	1 in. lb.	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
752LDIN	⅜"	0-75 in. lb.	1 in. lb.	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
1502LDIN	⅜"	0-150 in. lb.	2 in. lb.	0-18 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
2502LDIN	⅜"	0-250 in.lb.	5 in.lb.	0-30 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
3002LDIN	⅜"	0-300 in. lb.	5 in. lb.	0-35 Nm	1 Nm	11.5	1.1	1.2	2.75	1.1
6002LDIN	⅜"	0-600 in. lb.	10 in. lb.	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
502LDFN	⅜"	0-50 ft. lb.	1 ft. lb.	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
1003LDFN	½"	0-100 ft. lb.	2 ft. lb	0-140 Nm	2.5 Nm	21.75	2.25	1.50	2.75	3.70
1753LDFN	½"	0-175 ft. lb.	5 ft. lb.	0-240 Nm	5 Nm	21.75	2.25	1.50	2.75	3.70
2503LDFN	½"	0-250 ft. lb	5 ft. lb	0-350 Nm	10 Nm	21.75	2.25	1.50	2.75	3.70
3504LDFN	¾"	0-350 ft. lb.	10 ft. lb.	0-480 Nm	10 Nm	28.00	2.25	1.50	2.75	5.75
6004LDFN*	¾"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
10005LDFN*	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00
Electric Signaling Models										
6004LDFE**	¾"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
10005LDFE**	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00
20005LDFE***	1"	0-2000 ft. lb.	40 ft. lb.	0-2800 Nm	50 Nm	122.00	3.50	6.50	3.50	47.00



20005LDFE "T" type Dial Wrench must be operated by two persons or a torque multiplier. The handle is over 10 ft.long.



*NOTE: 6004LDFN and 10005LDFN include 1 Extension handle.
**NOTE: 6004LDFE and 10005LDFE include 1 Extension handle, indicating light and buzzer.
***NOTE: 20005LDFE is a "T" style wrench with 1" drive female head that can be use with a torque multiplier. Includes 5 piece handle assembly, indicating light and buzzer.

WARNING



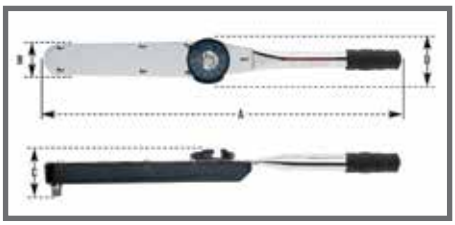
CDI TORQUE PRODUCTS

DIAL TORQUE WRENCHES - SINGLE SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.

Features

- Sturdy body construction insures maximum durability
- Easy to read laser marked single scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 3% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.





T-TYPE DIAL WRENCHES must be operated by two persons or a torque multiplier. The handle is over 10 ft.long.

DIAL TORQUE WRENCHES - SINGLE SCALE

Product Code	Drive Size (In.)	English Range	Incr.	A In.	B In.	C In.	D In.	WT. Lbs.
Memory Needle Models								
301LDINSS	¼"	0-30 in.lb.	.5 in.lb.	11.5	1.1	1.2	2.75	1.1
751LDINSS	¼"	0-75 in.lb.	1 in.lb.	11.5	1.1	1.2	2.75	1.1
752LDINSS	⅜"	0-75 in.lb.	1 in.lb.	11.5	1.1	1.2	2.75	1.1
3002LDINSS	⅜"	0-300 in.lb.	5 in.lb.	11.5	1.1	1.2	2.75	1.1
6002LDINSS	⅜"	0-600 in.lb.	10 in.lb.	15	1.5	1.2	2.75	1.6
502LDFNSS	⅜"	0-50 ft.lbs.	1 ft.lb.	15	1.5	1.2	2.75	1.6
1003LDFNSS	½"	0-100 ft. lb.	2 ft. lb	21.75	2.25	1.50	2.75	3.70
1753LDFNSS	½"	0-175 ft. lb.	5 ft. lb.	21.75	2.25	1.50	2.75	3.70
2503LDFNSS	½"	0-250 ft. lb.	5 ft. lb	21.75	2.25	1.50	2.75	3.70
3504LDFNSS	¾"	0-350 ft. lb.	10 ft. lb.	28.00	2.25	1.50	2.75	5.75
6004LDFNSS*	¾"	0-600 ft. lb.	10 ft. lb.	47.00	2.50	1.50	2.75	10.10
10005LDFNSS*	1"	0-1000 ft. lb.	20 ft. lb.	74.00	2.50	3.50	3.00	30.00
Electric Signaling Models								
6004LDFESS**	¾"	0-600 ft. lb.	10 ft. lb.	47.00	2.50	1.50	2.75	10.10
10005LDFESS**	1"	0-1000 ft. lb.	20 ft. lb.	74.00	2.50	3.50	3.00	30.00
20005LDFESS***	1"	0-2000 ft. lb.	40 ft. lb.	122.00	3.50	6.50	3.50	47.00

*NOTE: 6004LDFNSS and 10005LDFNSS include 1 extension handle.
**NOTE: 6004LDFESS and 10005LDFESS include 1 extension handle, indicating light and buzzer.
***NOTE: 20005LDFESS is a "T" style wrench with 1" drive female head that can be used with a torque multiplier. Includes 5 piece handle assembly, indicating light and buzzer.

CDI TORQUE PRODUCTS

DIAL TORQUE WRENCHES NEWTON METER - SINGLE SCALE

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.



- Sturdy body construction insures maximum durability
- Easy to read laser marked single scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: ± 3% of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

DIAL TORQUE WRENCHES NEWTON METER - SINGLE SCALE

Product Code	Drive Size (In.)	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
Memory Needle Models								
1.81NLDNSS	¼"	0-1.8 Nm	.05 Nm	11.5	1.1	1.2	2.75	1.1
3.51NLDNSS	¼"	0-3.5 Nm	.1 Nm	11.5	1.1	1.2	2.75	1.1
91NLDNSS	¼"	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
92NLDNSS	⅜"	0-9 Nm	.2 Nm	11.5	1.1	1.2	2.75	1.1
182NLDNSS	⅜"	0-18 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
302NLDNSS	⅜"	0-30 Nm	.5 Nm	11.5	1.1	1.2	2.75	1.1
352NLDNSS	⅜"	0-35 Nm	1 Nm	11.5	1.1	1.2	2.75	1.1
702NLDNSS	⅜"	0-70 Nm	2 Nm	15	1.5	1.2	2.75	1.6
1403NLDNSS	½"	0-140 Nm	2.5 Nm	21.75	2.25	1.50	2.75	3.70
2403NLDNSS	½"	0-240 Nm	5 Nm	21.75	2.25	1.50	2.75	3.70
3503NLDNSS	½"	0-350 Nm	10 Nm	21.75	2.25	1.50	2.75	3.70
4804NLDNSS	¾"	0-480 Nm	10 Nm	28.00	2.25	1.50	2.75	5.75
8004NLDNSS*	¾"	0-800 Nm	20 Nm	47.00	2.50	1.50	2.75	10.10
14005NLDNSS*	1"	0-1400 Nm	25 Nm	74.00	2.50	3.50	3.00	30.00

*NOTE: 8004NLDNSS and 14005NLDNSS include 1 Extension handle.



CDI TORQUE PRODUCTS®

COMFORT GRIP MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Comfort-Grip Handle Dual Scale

Features

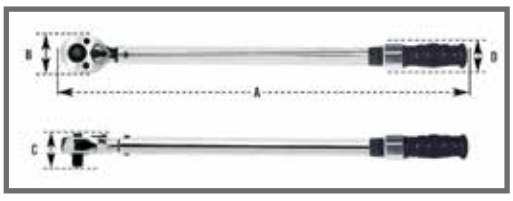
- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scale
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Ergonomic comfort-grip
- Accuracy: ± 3% CW ± 5% CCW of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME standards, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.





COMFORT GRIP MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.
1501MRPH	¼"	20-150 in. lb.	1	2.8 - 15.3 Nm	.12	10.00	1.06	.93	1.06
2502MRPH	⅜"	30-250 in. lb.	1	4.0 - 27.7 Nm	.12	11.25	1.06	1.06	1.06
10002MRPH	⅜"	150-1000 in. lb.	5	19.8 - 110.2 Nm	.6	16.00	1.43	1.20	1.40
1002MFRPH	⅜"	10-100 ft. lb.	1	16.9 - 132.2 Nm	.7	16.00	1.43	1.20	1.40
1503MFRPH	½"	20-150 ft. lb.	1	34 - 197 Nm	1.4	19.00	1.70	1.40	1.40
2503MFRPH	½"	30-250 ft. lb.	1	47 - 332 Nm	1.4	24.40	1.70	1.40	1.40
6004MFRPH	¾"	100-600 ft. lb.	5	169 - 779 Nm	6.8	42.00	2.50	2.10	1.40





CDI TORQUE PRODUCTS

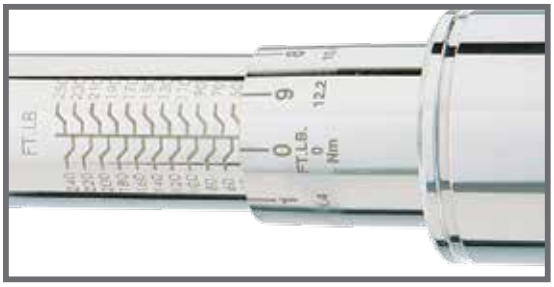
MICROMETER ADJUSTABLE NEWTON METER TORQUE WRENCHES - SINGLE SCALE

Metal Handle Single Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip.

Features

- Single scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 3% CW ± 4% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



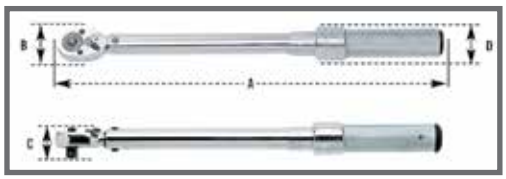




MICROMETER ADJUSTABLE NEWTON METER TORQUE WRENCHES - SINGLE SCALE

Product Code	Nm Range	Sq. Drive	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
602NMRMHSS	10-60 Nm	3/8"	0.5	16.00	1.43	1.20	1.40	2.50
1002NMRMHSS	20-100 Nm	3/8"	0.5	16.00	1.43	1.20	1.40	2.50
2003NMRMHSS	40-200 Nm	1/2"	2	19.00	1.70	1.40	1.40	3.25
3403NMRMHSS	60-340 Nm	1/2"	2	24.40	1.70	1.40	1.40	3.40
8004NMRMHSS	150-800 Nm	3/4"	5	42.00	2.50	2.10	1.40	11.85
15005NMRMHSS*	300-1500 Nm	1"	10	70.00	3.00	3.00	1.50	25.10

*NOTE: 15005NMRMHSS supplied with one extension handle and is packed in a metal box.
NOTE: All single scale Newton Meter only.



WARNING



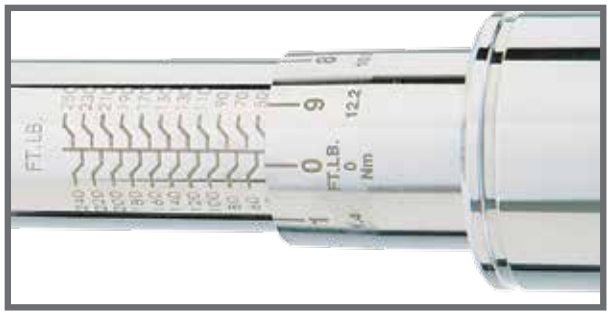
CDI TORQUE PRODUCTS

MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip.

Features

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 3% CW ± 4% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



MICROMETER ADJUSTABLE TORQUE WRENCHES - DUAL SCALE

Product Code	Drive Size	English Range	Incr.	Nm Range	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
501MRMH	¼"	10-50 in. lb.	0.5	1.4 - 5.4 Nm	0.5	10.15	1.06	0.93	1.06	0.85
1501MRMH	¼"	20-150 in.lb.	1	2.8-15.3 Nm	0.12	10.15	1.06	0.93	1.06	0.90
1502MRMH	⅜"	20-150 in. lb.	1	2.8 - 15.3 Nm	.12	10.15	1.06	0.93	1.06	0.90
2002MRMH	⅜"	30-200 in. lb.	1	4.0 - 22.0 Nm	.12	10.15	1.06	0.93	1.06	0.85
2502MRMH	⅜"	30-250 in. lb.	1	4.0 - 27.7 Nm	.12	11.25	1.06	0.93	1.06	0.95
7502MRMH	⅜"	100-750 in. lb.	5	14.1 - 81.9 Nm	.6	16.00	1.43	1.20	1.40	2.50
10002MRMH	⅜"	150-1000 in. lb.	5	19.8 - 110.2 Nm	.6	16.00	1.43	1.20	1.40	2.50
25003MRMH	½"	300-2500 in. lb.	10	39.6 - 276.9 Nm	1.2	18.00	1.70	1.40	1.40	3.20
752MFRMH	⅜"	5-75 ft. lb.	0.5	10.2 - 98.3 Nm	.7	16.00	1.43	1.20	1.40	2.50
1002MFRMH	⅜"	10-100 ft. lb.	0.5	16.9 - 132.2 Nm	.7	16.00	1.43	1.20	1.40	2.55
1503MFRMH	½"	20-150 ft. lb.	1	34 - 197 Nm	1.4	19.00	1.70	1.40	1.40	3.15
2503MFRMH	½"	30-250 ft. lb.	1	47 - 332 Nm	1.4	24.40	1.70	1.40	1.40	3.15
4004MFRMH	¾"	80-400 ft. lb.	5	85 - 491 Nm	3.4	34.25	2.50	2.10	1.40	10.30
4504MFRMH	¾"	75-450 ft. lb.	5	119 - 593 Nm	3.40	34.25	2.50	2.10	1.40	10.30
6004MFRMH	¾"	100-600 ft. lb.	5	169 - 779 Nm	6.8	42.00	2.50	2.00	1.15	11.85
10005MFRMH*	1"	200-1000 ft. lb.	5	305 - 1322 Nm	6.8	70.00	3.00	3.00	1.50	25.10
20005MFMHSS**	1"	300-2000 ft. lb.	10	N/A	N/A	108.50	3.15	4.25	1.65	48.75



*NOTE: 10005MFRMH supplied with one extension handle and is packed in a metal box.

**NOTE: 20005MFMHSS (English scale only) supplied with two extension handles, fixed/non-ratcheting head and is packed in a sturdy cardboard box.

CDI TORQUE PRODUCTS

QUICK SET SPLIT BEAM TORQUE WRENCHES

This unique "split beam" measuring element provides consistently accurate readings and rugged, trouble-free performance. Fast setting of desired torque is easily accomplished by rotating adjustment knob until required torque value is displayed in the torque window. 3/4" drive model features three-piece construction for easy disassembly and storage.



Features

- CDI Sealed Ratchet Head - is virtually maintenance free; more time working with the tool, less time on tool maintenance
- Thumb Screw Type Adjustment - is faster than cycling through a micrometer style torque wrench. Guard prevents setting from being changed accidentally. Setting is displayed in window. Conversion table to Nm displayed on handle
- Sealed Neck - keeps dust and grit away from the torque mechanism for longer tool life
- "Split Beam" Measuring Element - provides accurate, reliable readings and eliminates the heavy coil spring used in conventional click type wrenches. This yields fewer moving parts, reducing friction and wear
- Cushion Grip Handle - provides comfort plus control and resists most automotive fluids
- Designed for measuring torque in a clockwise direction only. Wrench is not reversible
- Guaranteed Accuracy: Accurate within ±4% of any clockwise setting from 20% of full scale to full scale.

QUICK SET SPLIT BEAM TORQUE WRENCHES

Product Code	Drive Size	Range	Increments	Length (in.)	Ratchet
WSC-50A	3/8"	120-600 in. lbs.	10.0 in. lbs.	17 1/8	Flex-Head
WSC-100CA	3/8"	20-100 ft. lbs.	2.0 ft. lbs.	17 1/8	Flex-Head
WSC-250CA	1/2"	40-250 ft. lbs.	5.0 ft. lbs.	21 7/16	Flex-Head
WSC-400CA	3/4"	80-400 ft. lbs.	10.0 ft. lbs.	38 1/8	Fixed-Head
WSC-600CA	3/4"	200-600 ft. lbs.	10.0 ft. lbs.	48 1/2	Fixed-Head

Made in U.S.A.

CDI WSC-400CA and WSC-600CA Split beam Torque Wrenches accept Williams Heavy Duty Tubular Wrenches that fit the 24TH handle. The length of the wrench heads matches the effective length of the ratchet head and extender that come with the torque wrench, creating the same effective length. Removing the rather head and extender from the torque wrench and inserting the desired Heavy Duty Tubular wrench of choice (fitting 24TH handle) creates an expanded use interchangeable head system. The complete assortment of Tubular Handle Wrenches is found on pages 204 and 205.



CDI TORQUE PRODUCTS

FLEX-HEAD MICROMETER ADJUSTABLE TORQUE WRENCH

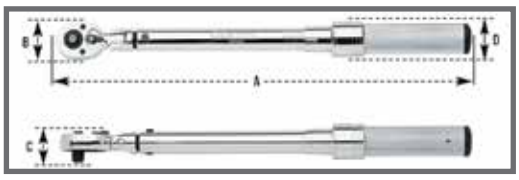
Flex-Head English Single Scale

Features

- Single scale, dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Flex Head pivots 15 degrees in both directions
- Rugged for Industrial use
- Accuracy: ± 4% CW ± 6% CCW of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME standards, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

FLEX-HEAD MICROMETER ADJUSTABLE TORQUE WRENCH

Product Code	Torque Range	Sq. Drive	Incr.	A In.	B In.	C In.	D In.	Wt. Lbs.
802MFRFMHSS	10-80 ft. lb.	3/8"	0.5	16.60	1.25	1.15	0.90	2.500



WARNING



*Note: 800NMIMH new dual pin "Z" receivers accept only dual pin interchangeable heads.

CDI TORQUE PRODUCTS®

INTERCHANGEABLE HEAD TORQUE WRENCHES

Features

- Interchangeable heads permit ratcheting, fixed, or open end torquing capability with adjustable torque wrench bodies.
- A push of the locking pin provides quick-change action, with a wide range of head styles to choose from.
- Micrometer Type Adjustment-ensures fast, accurate settings and changes.
- *Part Number 800NMIMH has Dual Pin Release for added strength

INTERCHANGEABLE HEAD TORQUE WRENCHES - DUAL SCALE

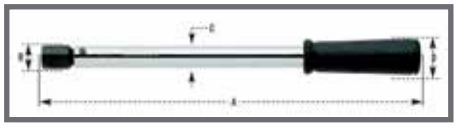
Product Code	Shank Size	Nm Range	Incr.	English Range
50NMIMH	J	10 - 50	0.5	7.4 - 44.2 ft. lb.
100NMIMH	J	20 - 100	0.5	14.8 - 73.8 ft. lb.
200NMIMH	Y	40 - 200	2	29.5 - 147.5 ft. lb.
350NMIMH	X	70 - 350	2	44.3 - 250.8 ft. lb.
800NMIMH*	Z	150 - 800	5	110.6 - 590 ft. lb.

INTERCHANGEABLE HEAD TORQUE WRENCHES - SINGLE SCALE

Product Code	Shank Size	English Range	Incr.
75MFIMHSS	J	5 - 75 ft. lb.	0.5
150MFIMHSS	Y	20 - 150 ft. lb.	1
250MFIMHSS	Y	30 - 250 ft. lb.	1

USA Made in U.S.A.





CDI TORQUE PRODUCTS®

SINGLE SETTING TORQUE WRENCHES

Single setting torque wrenches are designed for use on production lines and other applications where a specific torque is required for repetitive operations.

Features

- Factory Pre-Set models are set at the factory to the customer's specified torque setting, and are furnished with a Certificate of Calibration.
- Please specify desired torque setting when order is placed.
- Featuring a durable, non-slip cushion grip
- Uses universal round shank interchangeable heads
- Audible click and feel impulse torque control mechanism
- Tamper proof torque setting for production line use
- Accuracy: ± 4% of indicated value, in direction of torque indicator, from 20% to 100% of full scale
- Meets or exceeds ASME B107.14-2004, ISO 6789

SINGLE SETTING TORQUE WRENCHES

Product Code Un-Set	Product Code Factory Pre-Set	English Range	Nm Range	Shank Size	A In.	B In.	C In.	D In.	Wt. Lbs.
5T-I	5T-I-SET	10 - 50 in. lb.	1.1 - 5.6	J	6.5	0.63	0.61	1	0.35
10T-I	10T-I-SET	50 - 250 in. lb.	5.6 - 28	J	10	0.63	0.61	1	0.55
10ST-I	10ST-I-SET	60 - 300 in. lb.	6.8 - 34	J	6.2	0.68	0.86	1.4	0.75
50T-I	50T-I-SET	15 - 75 ft. lb.	20 -102	J	11	0.68	0.96	1.4	1.4
100T-I	100T-I-SET	30 - 150 ft. lb.	41 - 203	Y	19.5	0.94	0.96	1.4	2.3
200T-I	200T-I-SET	40 - 200 ft. lb.	54 - 271	Y	23.5	0.94	0.86	1.4	2.6
300T-I	300T-I-SET	100 - 300 ft. lb.	135 - 406	X	27.7	1.12	1	1.4	3.9
600T-I	600T-I-SET	120 - 600 ft. lb.	162 - 814	Z	55	1.5	1.25	1.25	10.45

USA Made in U.S.A.

CDI TORQUE PRODUCTS

RATCHETING SQUARE DRIVE HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJD8A-72	60								
3/8	TCQJD12A-80	60	TCQYD12A-80	100						
1/2	TCQJD16A	60	TCQYD16A	240	TCQXD16A	240				
3/4					TCQXD24A	240	TCQZD24B	480	TCQZD24BDP	480
1					TCQXD32A	240	TCQZD32B	480	TCQZD32BDP	480


Z Shank Dual Pins


TCQJD16A

FIXED SQUARE DRIVE HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJSD8A	60								
3/8	TCQJSD12A	60	TCQYSD12A	100						
1/2	TCQJSD16A	60	TCQYSD16A	240	TCQXSD16A	240				
3/4					TCQXSD24A	240	TCQZSD24A	480	TCQZSD24ADP	480
1					TCQXSD32A	240	TCQZSD32A	480		


TCQJSD8A

OPEN END HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJO8A	5								
9/32	TCQJO9A	7								
5/16	TCQJO10A	9								
3/8	TCQJO12A	18								
7/16	TCQJO14A	26								
1/2	TCQJO16A	34								
9/16	TCQJO18A	58	TCQYO18A	58						
5/8	TCQJO20A	60	TCQYO20A	70						
11/16	TCQJO22A	60	TCQYO22A	99						
3/4	TCQJO24A	60	TCQYO24A	125	TCQXO24A	125				
13/16	TCQJO26A	60	TCQYO26A	160	TCQXO26A	164				
7/8	TCQJO28A	60	TCQYO28A	160	TCQXO28A	193				
15/16	TCQJO30A	60	TCQYO30A	160	TCQXO30A	200				
1	TCQJO32A	60	TCQYO32A	160	TCQXO32A	240	TCQZO32A	298	TCQZO32ADP	298
1 1/16	TCQJO34A	60	TCQYO34A	160	TCQXO34A	240	TCQZO34A	321	TCQZO34ADP	321
1 1/8	TCQJO36A	60	TCQYO36A	160	TCQXO36A	240	TCQZO36A	367	TCQZO36ADP	367
1 3/16			TCQYO38A	160	TCQXO38A	240	TCQZO38A	433	TCQZO38ADP	433
1 1/4	TCQJO40A	60	TCQYO40A	160	TCQXO40A	240	TCQZO40A	480	TCQZO40ADP	480
1 5/16			TCQYO42A	160	TCQXO42A	240	TCQZO42A	480	TCQZO42ADP	480
1 3/8	TCQJO44A	60	TCQYO44A	160	TCQXO44A	240	TCQZO44A	480	TCQZO44ADP	480
1 7/16			TCQYO46A	160	TCQXO46A	240	TCQZO46A	480	TCQZO46ADP	480
1 1/2	TCQJO48A	60	TCQYO48A	160	TCQXO48A	240	TCQZO48A	480	TCQZO48ADP	480
1 9/16			TCQYO50A	160	TCQXO50A	240	TCQZO50A	480	TCQZO50ADP	480
1 5/8	TCQJO52A	60	TCQYO52A	160	TCQXO52A	240	TCQZO52A	480	TCQZO52ADP	480
1 11/16					TCQXO54A	240	TCQZO54A	480	TCQZO54ADP	480
1 3/4			TCQYO56A	160	TCQXO56A	240	TCQZO56A	480	TCQZO56ADP	480
1 13/16					TCQXO58A	240	TCQZO58A	480	TCQZO58ADP	480
1 7/8			TCQYO60A	160	TCQXO60A	240	TCQZO60A	480	TCQZO60ADP	480
2					TCQXO64A	240	TCQZO64A	480	TCQZO64ADP	480
2 1/16							TCQZO66A	480	TCQZO66ADP	480
2 1/8							TCQZO68A	480	TCQZO68ADP	480
2 1/4			TCQY072	160			TCQZO72A	480	TCQZO72ADP	480
2 3/8									TCQZO76ADP	480
2 1/2			TCQY080	160			TCQZO80A	480	TCQZO80ADP	480
2 3/4							TCQZO88A	480		
3							TCQZO96A	480		


TCQJO16A


TCQZO36ADP

Center of fastener to retaining pin:

TCQJ Series - 2.50"

TCQY Series - 3.00"

TCQX Series - 4.50"

TCQZ Series - 5.75"

USA Made in U.S.A.

WARNING


Z Shank Dual Pins

CDI TORQUE PRODUCTS

OPEN END HEADS - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
6	TCQJOM6A	5								
7	TCQJOM7A	6								
8	TCQJOM8A	10								
9	TCQJOM9A	14								
10	TCQJOM10A	22								
11	TCQJOM11A	33								
12	TCQJOM12A	36								
13	TCQJOM13A	41								
14	TCQJOM14A	55	TCQYOM14A	55						
15	TCQJOM15A	60	TCQYOM15A	74						
16	TCQJOM16A	60	TCQYOM16A	88						
17	TCQJOM17A	60	TCQYOM17A	103	TCQXOM17A	103				
18	TCQJOM18A	60	TCQYOM18A	115	TCQXOM18A	115				
19	TCQJOM19A	60	TCQYOM19A	138	TCQXOM19A	138				
20	TCQJOM20A	60	TCQYOM20A	160	TCQXOM20A	160				
21	TCQJOM21A	60	TCQYOM21A	160	TCQXOM21A	180				
22	TCQJOM22A	60	TCQYOM22A	160	TCQXOM22A	206				
23	TCQJOM23A	60	TCQYOM23A	160	TCQXOM23A	229				
24	TCQJOM24A	60	TCQYOM24A	160	TCQXOM24A	240	TCQZOM24A	248	TCQZOM24ADP	250
25	TCQJOM25A	60	TCQYOM25A	160	TCQXOM25A	240				
26	TCQJOM26A	60	TCQYOM26A	160	TCQXOM26A	240				
27	TCQJOM27A	60	TCQYOM27A	160	TCQXOM27A	240	TCQZOM27A	319	TCQZOM27ADP	319
29			TCQYOM29A	160	TCQXOM29A	240				
30			TCQYOM30A	160	TCQXOM30A	240	TCQZOM30A	413	TCQZOM30ADP	413
32			TCQYOM32A	160	TCQXOM32A	240	TCQZOM32A	480	TCQZOM32ADP	480
34			TCQYOM34A	160	TCQXOM34A	240			TCQZOM34ADP	480
36			TCQYOM36A	160	TCQXOM36A	240	TCQZOM36A	480	TCQZOM36ADP	480
38									TCQZOM38ADP	480
41					TCQXOM41A	240			TCQZOM41ADP	480
46									TCQZOM46ADP	480
50							TCQZOM50A	480	TCQZOM50ADP	480
55							TCQZOM55A	480	TCQZOM55ADP	480
60									TCQZOM60ADP	480
65									TCQZOM65ADP	480
70									TCQZOM70ADP	480


TCQJOM12A


TCQZOM36ADP

Made in U.S.A.

CDI TORQUE PRODUCTS

OPEN END THIN HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
11/16	TCQJO22ARTH60	60		
1	TCQJO32ARTH	60		
1 1/16	TCQJO34ARTH	60		
1 1/8	TCQJO36ARTH	60		
1 3/16	TCQJO38ARTH	60		
1 1/4	TCQJO40ARTH	60		
1 3/8	TCQJO44ARTH	60		
1 1/2	TCQJO48ARTH	60		
1 9/16	TCQJO50ARTH	60		
1 5/8	TCQJO52ARTH	60	TCQYO52ARTH	160
1 3/4	TCQJO56ARTH	60	TCQYO56ARTH	160
1 7/8	TCQJO60ARTH	60	TCQYO60ARTH	160
2	TCQJO64ARTH	60	TCQYO64ARTH	160
2 1/16	TCQJO66ARTH	60		
2 1/8			TCQYO68ARTH	160
2 1/4			TCQYO72ARTH	160
2 11/16	TCQJO86ARTH	60		


TCQJO38ARTH

CDI TORQUE PRODUCTS

12-POINT BOX END 15° OFFSET HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
1/4	TCQJX8A	18								
9/32	TCQJX9A	41								
5/16	TCQJX10A	41								
3/8	TCQJX12A	60								
7/16	TCQJX14A	60								
1/2	TCQJX16A	60	TCQYX16A	75						
9/16	TCQJX18A	60	TCQYX18A	112						
5/8	TCQJX20A	60	TCQYX20A	160	TCQXX20A	171				
11/16	TCQJX22A	60	TCQYX22A	160	TCQXX22A	200				
3/4	TCQJX24A	60	TCQYX24A	160	TCQXX24A	219				
13/16	TCQJX26A	60	TCQYX26A	160	TCQXX26A	240	TCQZX26A	275	TCQZX26ADP	275
7/8	TCQJX28A	60	TCQYX28A	160	TCQXX28A	240				
15/16	TCQJX30A	60	TCQYX30A	160	TCQXX30A	240	TCQZX30A	300		
1	TCQJX32A	60	TCQYX32A	160	TCQXX32A	240				
1 1/16	TCQJX34A	60	TCQYX34A	160	TCQXX34A	240	TCQZX34A	480	TCQZX34ADP	300
1 1/8			TCQYX36A	160	TCQXX36A	240	TCQZX36A	480	TCQZX36ADP	480
1 3/16			TCQYX38A	160	TCQXX38A	240	TCQZX38A	480	TCQZX38ADP	480
1 1/4			TCQYX40A	160	TCQXX40A	240	TCQZX40A	480	TCQZX40ADP	480
1 5/16			TCQYX42A	160	TCQXX42A	240	TCQZX42A	480	TCQZX42ADP	480
1 3/8					TCQXX44A	240	TCQZX44A	480		
1 7/16			TCQYX46A	160	TCQXX46A	240	TCQZX46A	480	TCQZX46ADP	480
1 1/2			TCQYX48A	160	TCQXX48A	240	TCQZX48A	480	TCQZX48ADP	480
1 9/16			TCQYX50A	160	TCQXX50A	240	TCQZX50A	480	TCQZX50ADP	480
1 5/8			TCQYX52A	160	TCQXX52A	240	TCQZX52A	480	TCQZX52ADP	480
1 11/16					TCQXX54A	240	TCQZX54A	480	TCQZX54ADP	480
1 3/4					TCQXX56A	240	TCQZX56A	480	TCQZX56ADP	480
1 13/16					TCQXX58A	240	TCQZX58A	480	TCQZX58ADP	480
1 7/8					TCQXX60A	240	TCQZX60A	480	TCQZX60ADP	480
2					TCQXX64A	240	TCQZX64A	480	TCQZX64ADP	480
2 1/16							TCQZX66A	480	TCQZX66ADP	480
2 1/8							TCQZX68A	480	TCQZX68ADP	480
2 3/16									TCQZX70ADP	480
2 1/4							TCQZX72A	480	TCQZX72ADP	480
2 3/8									TCQZX76ADP	480
2 1/2							TCQZX80A	480	TCQZX80ADP	480


Z Shank Dual Pins


TCQJX18A

Made in U.S.A.

12-POINT BOX END 0° OFFSET - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
3/8	TCQJXD12A	60		
7/16	TCQJXD14A	60		
1/2	TCQJXD16A	60		
9/16	TCQJXD18A	60		
5/8			TCQYXD20A	160
11/16	TCQJXD22A	60	TCQYXD22A	160
3/4	TCQJXD24A	60	TCQYXD24A	160
7/8	TCQJXD28A	60	TCQYXD28A	160
15/16	TCQJXD30A	60	TCQYXD30A	160
1	TCQJXD32A	60		


TCQJXD24A

WARNING

CDI TORQUE PRODUCTS

12-POINT BOX END 0° OFFSET - METRIC


Z Shank Dual Pins


TCQJXM14A

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.	Z (0.990")	Max Torque Ft. Lbs.	Z Dual Pins	Max Torque Ft. Lbs.
6	TCQJXM6A	15								
7	TCQJXM7A	20								
8	TCQJXM8A	22								
9	TCQJXM9A	30								
10	TCQJXM10A	53								
11	TCQJXM11A	59								
12	TCQJXM12A	60								
13	TCQJXM13A	60	TCQYXM13A	75						
14	TCQJXM14A	60	TCQYXM14A	117						
15	TCQJXM15A	60	TCQYXM15A	148						
16	TCQJXM16A	60	TCQYXM16A	160	TCQXXM16A	183				
17	TCQJXM17A	60	TCQYXM17A	160	TCQXXM17A	197				
18	TCQJXM18A	60	TCQYXM18A	160	TCQXXM18A	224				
19	TCQJXM19A	60	TCQYXM19A	160	TCQXXM19A	238				
20	TCQJXM20A	60	TCQYXM20A	160	TCQXXM20A	240				
21	TCQJXM21A	60	TCQYXM21A	160	TCQXXM21A	240				
22	TCQJXM22A	60	TCQYXM22A	160	TCQXXM22A	240				
23	TCQJXM23A	60	TCQYXM23A	160	TCQXXM23A	240				
24	TCQJXM24A	60	TCQYXM24A	160	TCQXXM24A	240	TCQZXM24A	375	TCQZXM24ADP	375
25	TCQJXM25A	60	TCQYXM25A	160	TCQXXM25A	240	TCQZXM25A	413		
26	TCQJXM26A	60	TCQYXM26A	160	TCQXXM26A	240	TCQZXM26A	448		
27	TCQJXM27A	60	TCQYXM27A	160	TCQXXM27A	240	TCQZXM27A	480	TCQZXM27ADP	480
29			TCQYXM29A	160	TCQXXM29A	240	TCQZXM29A	480		
30			TCQYXM30A	160	TCQXXM30A	240	TCQZXM30A	480	TCQZXM30ADP	480
32			TCQYXM32A	160	TCQXXM32A	240	TCQZXM32A	480	TCQZXM32ADP	480
34			TCQYXM34A	160	TCQXXM34A	240	TCQZXM34A	480	TCQZXM34ADP	480
36			TCQYXM36A	160	TCQXXM36A	240	TCQZXM36A	480	TCQZXM36ADP	480
41									TCQZXM41ADP	480
46									TCQZXM46ADP	480
50									TCQZXM50ADP	480
55									TCQZXM55ADP	480
60									TCQZXM60ADP	480

12 POINT RATCHET WRENCH HEADS - METRIC

USA Made in U.S.A.

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
16	TCQJBOERM16	60		
18	TCQJBOERM18	60	TCQYBOERM18	160
22	TCQJBOERM22A	60		
24			TCQYBOERM24	160


TCQJBOERM18

12 POINT RATCHET WRENCH HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
3/8	TCQJBOER12	60		
7/16	TCQJBOER14	60		
1/2	TCQJBOER16	60		
9/16	TCQJBOER18	60	TCQYBOER18	112
5/8	TCQJBOER20	60	TCQYBOER20	160
11/16			TCQYBOER22	160
3/4	TCQJBOER24	60	TCQYBOER24	160


TCQJBOER14

CDI TORQUE PRODUCTS

12-POINT BOX END 10° OFFSET - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.	X (0.735")	Max Torque Ft. Lbs.
1/2	TCQJXB16A	60				
9/16	TCQJXB18A	60				
5/8	TCQJXB20A	60	TCQYXB20A	79		
11/16	TCQJXB22A	60				
3/4	TCQJXB24A	60	TCQYXB24A	160		
7/8			TCQYXB28A	133		
15/16			TCQYXB30A	160		
1			TCQYXB32A	160		
1 1/8			TCQYXB36A	160		
1 3/8					TCQXXB44A	240
1 1/2					TCQXXB48A	240


TCQJXB18A

12-POINT BOX END 10° OFFSET - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
11mm	TCQJXBM11A	59		
12mm	TCQJXBM12A	60		
13mm	TCQJXBM13A	60		
14mm	TCQJXBM14A	60		
16mm	TCQJXBM16A	60		
18mm	TCQJXBM18A	60	TCQYXBM18A	160
19mm	TCQJXBM19	60		
24mm			TCQYXBM24A	160
28mm			TCQYXBM28A	160


TCQJXBM11A

6-POINT BOX END 10° OFFSET - METRIC

Square Drive (mm)	Y (0.560")	Max Torque Ft. Lbs.
18	TCQYSBXM18A	160
24	TCQYSBXM24A	160


TCQYSBXM18A

12 POINT FLARE NUT HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
9/16	TCQJRX18A	60	TCQYRX18A	67
5/8	TCQJRX20A	60	TCQYRX20A	79
11/16	TCQJRX22A	60	TCQYRX22A	92
3/4	TCQJRX24A	60	TCQYRX24A	104
13/16	TCQJRX26A	60	TCQYRX26A	117
7/8	TCQJRX28A	60	TCQYRX28A	133
15/16	TCQJRX30A	60	TCQYRX30A	146
1	TCQJRX32A	60	TCQYRX32A	158
1 1/16	TCQJRX34A	60	TCQYRX34A	160
1 1/8			TCQYRX36A	160
1 3/16			TCQYRX38A	160
1 1/4			TCQYRX40A	160
1 3/8			TCQYRX44A	160
1 1/2			TCQYRX48A	160
1 5/8			TCQYRX52A	160


TCQJRX22A

USA Made in U.S.A.




TCQJRXSM11A


TCQJRXS8A




TCRTWH40J


TCQZD32A-1


TCQZ-X

CDI TORQUE PRODUCTS

6 POINT FLARE NUT HEADS - METRIC

Square Drive (mm)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
8	TCQJRXSM8A	17		
9	TCQJRXSM9A	25		
10	TCQJRXSM10A	33		
11	TCQJRXSM11A	42		
12	TCQJRXSM12A	50		
13	TCQJRXSM13A	58		
14	TCQJRXSM14A	60		
15	TCQJRXSM15A	60	TCQYRXSM15A	71
16	TCQJRXSM16A	60	TCQYRXSM16A	75
17	TCQJRXSM17A	60	TCQYRXSM17A	83
18	TCQJRXSM18A	60	TCQYRXSM18A	94
19	TCQJRXSM19A	60	TCQYRXSM19A	104
20	TCQJRXSM20A	60	TCQYRXSM20A	113
21			TCQYRXSM21A	113

6 POINT FLARE NUT HEADS - SAE

Square Drive (Inches)	J (0.425")	Max Torque Ft. Lbs.	Y (0.560")	Max Torque Ft. Lbs.
1/4	TCQJRXS8A	6		
5/16	TCQJRXS10A	17		
3/8	TCQJRXS12A	29		
7/16	TCQJRXS14A	42		
1/2	TCQJRXS16A	54		
9/16	TCQJRXS18A	60	TCQYRXS18A	74
5/8	TCQJRXS20A	60	TCQYRXS20A	74
11/16	TCQJRXS22A	60	TCQYRXS22A	92
3/4	TCQJRXS24A	60	TCQYRXS24A	104
13/16	TCQJRXS26A	60	TCQYRXS26A	117
7/8	TCQJRXS28A	60	TCQYRXS28A	133
15/16	TCQJRXS30A	60	TCQYRXS30A	146
1	TCQJRXS32A	60	TCQYRXS32A	158
1 1/8			TCQYRXS36A	160

Made in U.S.A.

RATCHETING FLARE NUT HEAD

Square Drive (Inches)	J (0.425")	Y (0.560")	X (0.735")
9/16	TCRTWH36J		
5/8	TCRTWH40J		
11/16	TCRTWH44J		
3/4		TCRTWH48Y	
13/16	TCRTWH52J		
7/8		TCRTWH56Y	
15/16		TCRTWH60Y	
1		TCRTWH64Y	
1 1/8		TCRTWH72Y	
1 1/4		TCRTWH80Y	
1 3/8		TCRTWH88Y	
1 1/2			TCRTWH96X
16mm	TCRTWHM16J		
1 5/8		TCRTWH104Y	
1 7/8		TCRTWH120Y	

ADAPTORS

Product Code	Descriptions
TCQJ-Y	J Male to Y Female
TCQXY	X Male to Y Female
TCQY-X	Y Male to X Female
TCQZ-X	Z Male to X Female
TCQZD32A-1	Z Shank 1 Drive Ratchets

Made in U.S.A.

WILLIAMS

TORQUE MULTIPLIERS WITH HANDLES

Features

- Provides the operator with nut-turning power that requires only a fraction of the force required when using conventional tools.
- Input and output rotation is in the same direction.
- Reaction bar rotation is opposite to input direction and must rest securely against a rigid object to withstand the generated reaction force.
- By removing 4 screws, heads may be easily disassembled for inspection, cleaning and lubrication.



TORQUE MULTIPLIERS WITH HANDLES

Product Code	Max Output Ft. Lbs.	Multiplication Ratio*	Approx. Ft. Lbs. Rq'd for Max Output	Input Female Sq.	Output Male Sq.	Head Thickness Inc. Tang	Head Diam.	Oal. Lgth. Inc. Reaction Bar
TM-750LW	1000	3.6 to 1	275	1/2	3/4	3 9/32	3 1/2	22 1/2
TM-1000	2000	3.6 to 1	550	3/4	1	4 3/8	3 17/32	24
TM-1500	4000	3.9 to 1	1150	1	1 1/2	6 1/8	5 3/16	28 7/8
TM-2000	8000	4.6 to 1	1915	1	1 1/2	6 1/4	6 1/2	31
TM-2500	12000	5.4 to 1	2200	1	2 1/2	7 1/4	7 1/4	30

* Multipliers are mechanical devices which have frictional losses. A 10% factor was included in the multiplication ratio. For higher accuracy of multiplication ratio, output of unit should be checked on torque tester.

USA Made in U.S.A.



WILLIAMS

TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Features

- Designed where high torques are necessary for fastening or breaking out stubborn fasteners.
- Allows operator safe and easy means of producing torque for job requirements.
- Precision planetary gear multiplies the operator's input from standard torque wrenches.
- Can also multiply the torque from air-driven (non-impact) wrenches.

TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-290	750	227	4:1	3:3:1	1/2	3/4	8 1/2	3 1/4	2 13/16
TM-391	1200	200	6:3:1	6:0:1	1/2	3/4	19 39/64	4	3 15/16
TM-392	2200	162	15:0:1	13:6:1	1/2	1	19 39/64	5 3/4	4 1/16
TM-393	3200	173	20:25:1	18:5:1	1/2	1	19 39/64	6 1/2	4 1/16

USA Made in U.S.A.

WARNING



WILLIAMS

PLATE REACTION TORQUE MULTIPLIERS

Features

- Input torque holding ratchet - holds multiplier in place during torquing.
- Needle bearing construction for high efficiency.
- Standard reaction plate meets most job applications.
- Shearable output squares - to protect tool during overload.

PLATE REACTION TORQUE MULTIPLIERS

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-394	5000	189	29:25:1	26:5:1	½	1 ½	14 29/32	8 ¾	5 5/8
TM-395	8000	154	60:1	52:0:1	½	1 ½	15 13/64	10 ¾	5 13/16
TM-492	2200	162	15:1	13:6:1	½	1	14	5 ½	4 7/8
TM-493	3200	173	20:25:1	18:5:1	½	1	14	6 7/16	4 7/8

Made in U.S.A.



WILLIAMS

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Replacement square drives for planetary-gear and plate reaction torque multipliers.

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Product Code	Description
TM-391RSD	Repl. Sq Drive For TM-391
TM-392RSD	Repl. Sq Drive For TM-392 and TM-492
TM-393RSD	Repl. Sq Drive For TM-393 and TM-493
TM-394RSD	Repl. Sq Drive For TM-394
TM-395RSD	Repl. Sq Drive For TM-395

Made in U.S.A.

CDI TORQUE PRODUCTS

TORQUE 101

Need help educating your department or shop staff on why applying the correct torque is critical to proper assembly or maintenance operations? CDI's **Torque Wrench 101** is the perfect simple and quick-read reference "textbook" to train staff on what torque is, why it's important, torque wrench applications, proper torque wrench selection, and much more. It's a 4-page laminated reference card, item #T101CDIUSER, and available from your Snap-on Industrial Brands representative.



TORQUE WRENCH SAFETY

These precautions should always be taken when using any torque wrench to avoid possible injury:

- Read instruction manual completely before using torque wrench.
- Safety glasses or goggles should be worn at all times when using any hand tool.
- Always pull, DO NOT PUSH, to apply torque and adjust your stance to prevent a fall.
- A "cheater bar" should NEVER be used on a torque wrench to apply excess leverage.
- Do not use with sockets or fasteners showing wear or cracks.
- Ratchet mechanism may slip or break if dirty, mismatched or worn parts are used.
- Make sure direction lever is fully engaged

TORQUE WRENCH USAGE

- All mechanical torque wrenches are calibrated from 20% to 100% of full scale, therefore, they should never be used below or above those limits
- To determine which torque wrench capacity is best suited for an application, many factors must be considered. However, as a recommendation, use a torque wrench in the middle 50% of the overall capacity of the tool. This will result in longer tool life, ease of use for the operator and increased accuracy from "clicker" type torque wrenches
- Always grasp handle firmly in the center of the grip
- Approach final torque slowly and evenly
- Stop pulling wrench immediately when target torque is reached
- Never use a torque wrench to break fasteners loose
- Should be cleaned and stored properly
- Should always be stored at it's lowest torque setting
- Wrenches should be re-calibrated if dropped. Should never be used in excess of it's capacity
- Torque wrenches should be "exercised" a minimum of three times at 100% of full scale before use
- The wrench selected should be calibrated in the same torque units that are specified
- Use of a "cheater bar" will result in an inaccurate reading and can possibly damage the wrench
- Torque wrenches will last longer if reasonable care is taken. Always unwind handle to the lowest setting after each use. Do not attempt to lubricate the internal torque mechanism. Clean torque wrench by wiping, do not immerse. The wrench should be sent to a qualified calibration lab once every year or every 5000 cycles for re-calibration

Common Torque Abbreviations

Foot Pounds – ft. lbs.
Inch Pounds – in. lbs.
Inch Ounces – in. ozs.
Newton Meter – Nm
Centi-Newton Meter – cNm
Meter Kilogram – Mkg

Easy-to-use Torque Conversion Table

To Convert From	To	Multiply by
in. oz.	in. lb.	0.0625
in. lb.	in. oz.	16
in. lb.	ft. lb.	0.08333
in. lb.	cmkg	1.1519
in. lb.	Mkg	0.011519
in. lb.	Nm	0.113
in. lb.	dNm	1.13
ft. lb.	in. lb.	12
ft. lb.	Mkg	0.1382
ft. lb.	Nm	1.356
dNm	in. lb.	0.885
dNm	Nm	0.10
Nm	dNm	10
Nm	cmkg	10.2
Nm	Mkg	0.102
Nm	in. lb.	8.85
Nm	ft. lb.	0.7376
cmkg	in. lb.	0.8681
cmkg	Nm	0.09807
Mkg	in. lb.	86.81
Mkg	ft. lb.	7.236
Mkg	Nm	9.807



TOOLS@HEIGHT



REVERSIBLE RATCHETING COMBINATION WRENCHES P.126

1/2" DRIVE ENCLOSED HEAD RATCHET P.138

SLOTTED SCREWDRIVERS P.144

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

TOOLS @ HEIGHT™
DROP PREVENTION SYSTEM

ENGINEERED. TESTED. CERTIFIED.

DROPPED TOOLS CAN CREATE SIGNIFICANT HUMAN AND ASSET DAMAGE

- In 2012, people being struck by objects replaced people falling as the 3rd leading cause of death in the workplace.[1]
- A 3lb object falling 200ft carries more than 1,000lbs of force per square inch on impact.
- It is very common for falling objects to deflect and travel significant distances from their original path.

[1] Bureau of Labor Statistics

KEEP YOUR PEOPLE SAFE AND ASSETS SECURE WITH SNAP-ON INDUSTRIAL BRANDS TOOLS@HEIGHT PROGRAM

SNAP-ON INDUSTRIAL BRANDS TOOLS@HEIGHT PROGRAM OFFERS UNIQUE ADVANTAGES

ENGINEERED, TESTED and CERTIFIED SYSTEM to maintain or enhance functionality of tools when used at height

- 4 side lock holes
- Safety coils
- Screwdriver tabs
- Pipe wrenches
- Differentiated proposition; engineered attachment points + tool transportation products
- With over 1,000 products, the industry's most comprehensive drop prevention system
- Turnkey provider of customized solutions
- Worldwide sales and service
- Stocked selection to ensure fast delivery
- Same warranty as standard tools





Wrench with safety coil – Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior design - no welds to fail
- High performance - made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

Rotating screwdriver tabs – Tab is located for secure retention and allow full use of the screwdriver handle

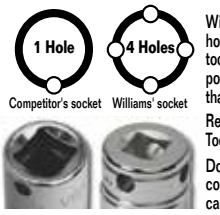
- Stainless steel tab is corrosion resistant
- Tab rotates freely 360° so the lanyard does not wrap around the users hand
- Nylon bushing has a shoulder so the tab will not bind between the handle and shank bolster





Pipe wrenches – We pin the tang of the removable pipe wrench jaw so it cannot become separated from the handle

Square drive tools and accessories –
Square drive tools are designed and manufactured with spring loaded lock buttons. The lock button engages with side lock holes drilled in sockets, extensions, and adaptors ensuring positive retention.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

409 PIECE TOOLS@HEIGHT MASTER MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	17	Miscellaneous Tools	15
Combination, Box, & Open End Wrenches	71	Pliers	15
Hammers	12	Pry Bars, Punches & Chisels	24
Hand Sockets, Ratchets, & Accessories	155	Screwdrivers & Nut drivers	17
Hex Keys & Sockets	24	Tool Storage	2
Impact Sockets & Accessories	35	Tools@Height Tethers, Lanyards,& Specialities	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-409-THTB	Complete Tools@Height Master Maintenance Tool Set With Tool Boxes (409 Pieces Total)
WSC-409-TH	Complete Tools@Height Master Maintenance Tool Set Only 407 Pieces Total)

Tool Boxes Included

Product Code	Description
W40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
W40RC7	40" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Master Maintenance set provides a great assortment of tools for all types of maintenance applications. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 122.

W40TC4



W40RC7



WSC-409-TH

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

225 PIECE TOOLS@HEIGHT INTERMEDIATE MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	4	Miscellaneous Tools	14
Combination, Box, & Open End Wrenches	45	Pliers	10
Hammers	7	Pry Bars, Punches & Chisels	13
Hand Sockets, Ratchets, & Accessories	90	Screwdrivers & Nut drivers	8
Hex Keys & Sockets	9	Tool Storage	2
Impact Sockets & Accessories	1	Tools@Height Tethers, Lanyards,& Specialities	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-225-THTB	Complete Tools@Height Intermediate Tool Set With Tool Boxes (225 Pieces Total)
WSC-225-TH	Complete Tools@Height Intermediate Tool Set Only (223 Pieces Total)

Tool Boxes Included

Product Code	Description
W26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
W26RC7	26" Wide x 20" Deep 7 Drawer Tool Cabinet

Features

- The Tools@Height Intermediate Maintenance set provides a full complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses
- Set is available with foamed tool control drawers on a special order basis

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 122.



WSC-225-TH

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS TOOLS@HEIGHT DROP PREVENTION SYSTEM

116 PIECE TOOLS@HEIGHT GENERAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	2
Combination, Box, & Open End Wrenches	22
Hammers	4
Hand Sockets, Ratchets, & Accessories	37
Hex Keys & Sockets	1
Miscellaneous Tools	6
Pliers	8
Pry Bars, Punches & Chisels	7
Screwdrivers & Nut drivers	6
Tool Storage	1
Tools@Height Tethers, Lanyards,& Specialties	22

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-116-THTB	Complete Tools@Height General Service Tool Set With Tool Box (116 Pieces Total)
WSC-116-TH	Complete Tools@Height General Service Tool Set Only (115 Pieces Total)

Tool Boxes Included

Product Code	Description
50950	32" Wide x 19" Deep Job Site Box



50950

Features

- The Tools@Height General Maintenance Service set provides a solid complement of tools. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies. Productivity and Safety right out of the box.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 122.




WSC-116-TH

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



WSC-72-TH

WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

72 PIECE TOOLS@HEIGHT BASIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Number of Pieces	Product Category	Number of Pieces
Adjustable & Miscellaneous Wrenches	1	Miscellaneous Tools	5
Combination, Box, & Open End Wrenches	13	Pliers	5
Hammers	2	Pry Bars, Punches & Chisels	3
Hand Sockets, Ratchets, & Accessories	18	Screwdrivers & Nut drivers	3
Hex Keys & Sockets	1	Tools@Height Tethers, Lanyards,& Specialties	21

Note: Complete set contents are listed in Appendix A

Set Configurations Available

Product Code	Description
WSC-72-TH	Complete Tools@Height Basic Maintenance Tool Set in Safe Bucket

Features

- Furnished in Safe Bucket for easy portability. Productivity and safety right out of the box.
- The Tools@Height Basic Maintenance set provides a good start to a Tools@Height tool program. All tools are designed to be used with our tethering and retention systems which maintain or enhance the tools' functionality when used at height or near critical assemblies.
- Many applications - any industry where a dropped tool could harm personnel, damage machinery or cost production time.
  - High level uses - drilling derricks, wind turbines, cranes, buildings, bridges, masts, powerlines, hangars, scaffold builders
  - Low level uses - stop tools dropping onto flight hardware, into engines, machinery, food production lines, vats, mine shafts, even under water uses

Tools@Height sets contain an assortment of pouches and lanyards designed for use with a suitable belt such as the Comfort and Utility belts on page 122.



WILLIAMS® TOOLS@HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SCAFFOLD BUILDING KITS

Scaffold builders literally open the box, put on the belt, and go to work with a kit that keeps them safe and increases productivity.

Product Code	Description	Product Code	Description
WTHSCAFFWSA	Small	WTHSCAFFWLA	Large
WTHSCAFFWMA	Medium	WTHSCAFFWXLA	X-Large

Contents of Scaffold Building Kits:

Product Code	Description	Product Code	Description
SOTTHFSNE3-22SM	Hammer	HOL-POUCHRET	Tape measure Holster
SOTTHFSN25100	Level	HOL-SCAFFWCOMBO	Scaffold Ratchet Holster w/Bungee Lanyard
BS-63B	Scaffold Ratchet		
SOTTHTPMA25EM	Tape Measure	HOL-1TOOLBLTRET	Single Tool Holster
13625-TH	Construction Wrench	HOL-2TOOLBLTRET	Dual Tool Holster
PL-204C-TH	Linesman's Pliers	BELT-COMFORT	Belt (Small, Medium, Large or X-Large)
HOL-HAMMERCOMBO	Hammer Holster with Coil Lanyard	PCH-PARTS-CB	Small Parts pouch w/ Self-closing system

Features

- Each tool is independently tethered, any tool can be used and returned to its' holster while still maintaining three points of contact.
- System is completely modular and can be arranged in any order on the tool belt based on the user's preference.
- Holsters are designed with built-in attachment points or retractors.
- Tools are tethered to the holster at all times so the risk of dropping a tool while transferring from bag to lanyard is eliminated
- Several holsters also feature hook and loop flaps that secure the tool while being transported

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

Tools@Height Carabiner

Made of Stainless Steel or Aluminum to withstand corrosive environments

Carabiners, triggers, and clips cannot be removed from lanyards for an extra measure of safety



Load rated carabiners for safety and durability

Screw gate locking mechanisms provide positive retention

Competitive Carabiner

Carabiners, triggers, and clips can easily be removed from lanyards



Not load rated

No screw gate to provide positive retention



EXT-H2L1X72HD



EXT-H2R1X72HD



EXT-H2L1X72MD



EXT-H2LBUNGEEMD



WTHCARA30



WTHCARA25



WTHCARA15



WTHUNI15



WTHUNI12

LANYARDS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
EXT-H2L1X72HD	Carabiner to loop web lanyard, Heavy Duty	80	72	n/a	1
EXT-H2R1X72HD	Carabiner to rail hook web lanyard, Heavy Duty	80	72	n/a	1
EXT-H2L1X72MD	Carabiner to loop web lanyard, Medium Duty	35	72	n/a	1
EXT-H2LBUNGEEMD	Carabiner to loop bungee lanyard, Medium Duty	35	49	30	1
WTHCARA30	SST Carabiner to carabiner bungee lanyard, Medium Duty	30	40	18	1
WTHCARA25	SST Carabiner to carabiner bungee lanyard, Medium Duty	25	124	37-45	1
WTHCARA15	SST Carabiner to carabiner bungee lanyard, Standard Duty	15	47	27	1
WTHUNI15	SST Carabiner to loop bungee lanyard, Standard Duty	15	50	30	1
WTHUNI12	SST Carabiner to loop bungee lanyard, Standard Duty	12	124	37-45	1

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



EXT-H2LBUNGEE



EXT-T2T0.5X12



EXT-T2T0.5X24



EXT-T2T0.5X36



WTHUNI5



WTHL1



WTHL2



WTHANCHOR

LANYARDS AND ANCHOR STRAPS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
EXT-H2LBUNGEE	Carabiner to loop bungee lanyard, Standard Duty	10	47	31	1
EXT-H2LBUNGEE-10PK	Carabiner to loop bungee lanyard, Standard Duty 10 pack	10	47	31	10
EXT-T2T0.5X12	Trigger to trigger web lanyard, Standard Duty	10	12	n/a	1
EXT-T2T0.5X12-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	12	n/a	10
EXT-T2T0.5X24	Trigger to trigger web lanyard, Standard Duty	10	24	n/a	1
EXT-T2T0.5X24-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	24	n/a	10
EXT-T2T0.5X36	Trigger to trigger web lanyard, Standard Duty	10	36	n/a	1
EXT-T2T0.5X36-10PK	Trigger to trigger web lanyard, Standard Duty 10 pack	10	36	n/a	10
WTHUNI5	SST Carabiner to loop bungee lanyard, Personal Duty	5	53	33	1
WTHL1	SST Clip to clip web lanyard, Personal Duty	5	14	n/a	1
WTHL2	SST Clip to loop w/barrell lock lanyard, Personal Duty	5	14	n/a	1
WTHANCHOR	Anchor Strap	25	n/a	n/a	1

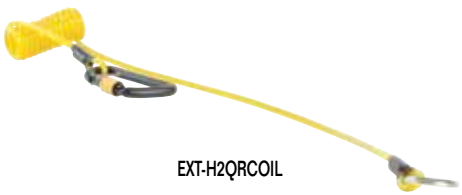
* Tool Lanyards not included with Tool Holsters unless otherwise stated.

** Tools not included with Tool Holsters.

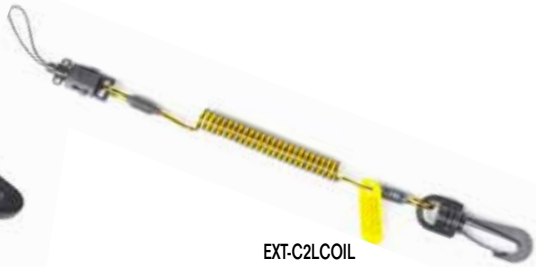
Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.


EXT-H2HCOIL


EXT-T2TCOIL


EXT-H2QRCOIL


EXT-C2CCOIL


EXT-C2LCOIL


EXT-HARDHAT

COIL TETHERS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
EXT-H2HCOIL	Patented carabiner to carabiner vinyl coated braided steel tether, Personal Duty	5	67.5	16.5	1
EXT-H2HCOIL-10PK	Carabiner to carabiner vinyl coated braided steel tether, Personal Duty 10 pack	5	67.5	16.5	10
EXT-T2TCOIL	Trigger to Trigger tether, Personal Duty	5	30	9	1
EXT-T2TCOIL-10PK	Trigger to Trigger tether, Personal Duty 10 pack	5	30	9	10
EXT-H2QRCOIL	Caraibiner to quick ring tether, Personal Duty	2	65.5	25	1
EXT-H2QRCOIL-10PK	Caraibiner to quick ring tether, Personal Duty 10 pack	2	65.5	25	10
EXT-C2CCOIL-10PK	Clip to clip tether, Personal Duty 10 pack	2	44	9	10
EXT-C2LCOIL-10PK	Clip to side release loop tether, Personal Duty 10 pack	2	45.25	10	10
EXT-HARDHAT-10PK	Clip to loop hard hat tether 10 pack	2	44.5	12	10
EXT-HARDHAT-100PK	Clip to loop hard hat tether 100 pack	2	44.5	12	100


WTHUNIRET2


WTHUNIRET2CLIPS


WTHWSRET1


WTHUNIRET1


WTHUNIRET1CLIPS

RETRACTABLE TETHERS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
WTHUNIRET2	Self flushing retractable tether with disconnectable loop	2	42	17	1
WTHRET2CLIPS	25 pack of disconnectable clips/loop for WTHUNIRET2	2	n/a	8	25
WTHUNIRET1	Self flushing retractable tether with disconnectable loop	1	36	14	1
WTHRET1CLIPS	25 pack of disconnectable clips/loop for WTHUNIRET1 and WTHWSRET1	1	n/a	7 3/4	25
WTHWSRET1	Adjustable wrist strap with self flushing retractable tether and disconnectable loop	1	49	10	1

⚠ WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



WB-S

WB-M

WB-L



WB-SLIM-S



WTHWS1



WB-ADJCORD



WB-ADJ



WTHWSRET1



WB-ADJRET



WTHPRT

PULLAWAY WRISTBANDS

Product Code	Size	Load Rating (lbs)	QTY
WB-S	Small	5	1
WB-S-10PK	Small	5	10
WB-M	Medium	5	1
WB-M-10PK	Medium	5	10
WB-L	Large	5	1
WB-L-10PK	Large	5	10
WB-SLIM-S-10PK	Slim / Small	5	10
WB-SLIM-M-10PK	Slim / Medium	5	10
WB-SLIM-L-10PK	Slim / Large	5	10

Features

- Pullaway wristbands are designed so that they can be escaped from in emergency situations
- Pullaway Wristbands feature an elastic strap that conform to the users wrist size automatically.

ADJUSTABLE WRISTBANDS

Product Code	Load Rating (lbs)	QTY
WTHWS1	5	1
WB-ADJ	5	1
WB-ADJ-10PK	5	10
WB-ADJCORD	5	1
WB-ADJCORD-10PK	5	10
WB-ADJRET	1.5	1
WB-ADJRET-10PK	1.5	10
WTHWSRET1	1	1

Features

- Adjustable Wristbands can be sized to virtually any wrist size with Hook and Loop closure straps.

Tools not included with Wristbands.

PIN RELEASE TOOL

Product Code	Description
WTHPRT	Pin release tool for square drive tools

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.


HOL-ADJRADIOCOMBO


HOL-BOTTLE


HOL-HAMMERCOMBO


HOL-1TOOLBLTRET


HOL-1TOOLHAR


HOL-1TOOLXD


HOL-2TOOLBLTRET


HOL-2TOOLHAR


HOL-POUCHRET


HOL-SCAFFWRET


HOL-TAPECOMBO


RET-52STEEL

TOOL HOLSTERS

Product Code	Description
HOL-ADJRADIO†	Adjustable Radio Holster
HOL-ADJRADIOCOMBO	Adjustable Radio Holster Combo (includes EXT-C2LCOIL)
HOL-BOTTLE	Bottle / Spray Can Holster
HOL-BOTTLECOMBO	Bottle / Spray Can Holster Combo (Includes EXT-C2CCOIL)
HOL-HAMMER†	Hammer Holster
HOL-HAMMERCOMBO	Hammer Holster Combo (Includes EXT-H2QRCOIL)
HOL-1TOOLBLT	Single Tool Belt Holster
HOL-1TOOLBLTRET†	Single Tool Belt Holster with Retractor
HOL-1TOOLHAR	Single Tool Harness Holster
HOL-1TOOLHARRET†	Single Tool Harness Holster with Retractor
HOL-1TOOLXD†	Extra-Deep Single Tool Holster
HOL-2TOOLBLT	Dual Tool Belt Holster
HOL-2TOOLBLTRET†	Dual Tool Belt Holster with Retractors

Product Code	Description
HOL-2TOOLHAR	Dual Tool Harness Holster
HOL-2TOOLHARRET†	Dual Tool Harness Holster with Retractors
HOL-POUCHRET†	Pouch Holster with Retractor
HOL-SCAFFWRET†	Scaffold Wrench Holster with Retractor
HOL-SCAFFWCOMBO	Scaffold Wrench Holster with Retractor Combo (Includes EXT-H2LBUNGEE)
HOL-TAPERET†	Tape Measure Holster with Retractor
HOL-TAPESLEEVE†	Tape Measure Sleeve
HOL-TAPECOMBO	Tape Measure Holster with Retractor Combo (Includes HOL-TAPESLEEVE)
RET-52STEEL	52" Steel Cable Retractor with Polycarbonate Body

* Tool Lanyards not included with Tool Holsters unless otherwise stated. ** Tools not included with Tool Holsters. †Patent Pending

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



PCH-PARTS-CC

SMALL PARTS POUCH

Product Code	Description
PCH-PARTS-CB	Small Parts Pouch - Canvas Black
PCH-PARTS-CC	Small Parts Pouch - Canvas Camo
PCH-PARTS-CO	Small Parts Pouch - Canvas Orange
PCH-PARTS-VY	Small Parts Pouch - Vinyl Yellow
PCH-PARTSXD-CB	Small Parts Pouch Extra-Deep - Canvas Black

Features

- The patented Small Parts Pouch stops accidental drops with an innovative self-closure system that traps objects inside making it nearly impossible for objects to fall out once placed in the bag.
- Easy to retrieve objects since no opening or closing is necessary.
- Available in several colors, and a vinyl variant.
- Extra-deep Small Parts Pouch is also available for extra storage space.



PCH-UTILITY

UTILITY POUCH

Product Code	Description
PCH-UTILITY	Utility Pouch

Features

- Two welded D-Rings on front of pouch to tie off tools.
- One additional D-Ring inside pouch.
- Two inner pouch pockets for storing tools.
- Belt loop on back of pouch.
- Two side ears are perfect for holding spud wrenches and sleever bars.
- Drain vent on the bottom of the pouch.



PCH-INSPECT

INSPECTION POUCH

Product Code	Description
PCH-INSPECT	Inspection Pouch

Features

- Provosional patent pending



PCH-TOOL

PCH-TOOL-XD

EXT-H2LBUNGEE

TOOL POUCHES

Product Code	Description
PCH-TOOL	Tool Pouch with D-Ring
PCH-TOOLRET	Tool Pouch with D-Ring and Retractors
PCH-TOOLTRIG	Tool Pouch with D-Ring and Triggers
PCH-TOOLXD	Extra Deep Tool Pouch with D-Ring
PCH-TOOLXDRET	Extra Deep Tool Pouch with D-Ring and Retractors
PCH-TOOLXDTRIG	Extra Deep Tool Pouch with D-Ring and Triggers

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

COMFORT TOOL BELTS

Product Code	Waist Size (Inches)
BELT-COMFORT-S-M	28" - 36"
BELT-COMFORT-L-XL	36" - 44"
BELT-COMFORT-2XL-3XL	44" - 52"

Features

- A drop prevention tool belt system that's both durable and comfortable
- Modular design allowing the user to customize their own personal holster and pouch set up.



BELT-COMFORT-S

UTILITY BELTS

Product Code	Waist Size (Inches)
BELT-UTILITY-SL	28" - 46"
BELT-UTILITY-XL	40" - 54"

Features

- Utility tool belt features a high strength grommet closure system with padding inside two layers of cordura that provides for durability and comfort.



BELT-UTILITY-SL

BELT LOOPS

Product Code	Description	Load Rating (lbs)	QTY
BELT-DRLOOP	Belt Loop D-Ring	5	1
BELT-DRLOOP-10PK	Belt Loop D-Ring	5	10
BELT-TRLOOP	Belt Loop Trigger	5	1
BELT-TRLOOP-10PK	Belt Loop Trigger	5	10

Features

- Compatible with all tool belts above
- D-Ring Belt Loop Attachment creates an instant attachment point that is third-party load-rated for 5 lbs.
- Belt Loop Trigger creates an instant staging point that is third-party load-rated for 5 lbs. A thumb release steel trigger snap allows for quick tool transfers while maintaining a secure connection, even while wearing work gloves. Modular design allowing the user to customize their own personal holster and pouch set up.



BELT-DRLOOP



BELT-TRLOOP

⚠ WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



BKT-100HLC



BKT-250DRAWV

SAFE BUCKETS

Product Code	Closure System	Body Material	Load Rating (lbs)
BKT-100HLC	Hook and Loop	Canvas	100
BKT-100DRAWC	Drawstring	Canvas	100
BKT-250HLV	Hook and Loop	Vinyl	250
BKT-250DRAWV	Drawstring	Vinyl	250

Features

- Every Safe Bucket is manufactured with either a hook and loop or drawstring closure system which helps prevent accidental drops.
- All Safe Buckets are third-party load rated.
- Sewn into the bottom of every Safe Bucket is hard composite plating that protects the bucket from accidental punctures. A protective leather sleeve covers the inserts that is resilient to the elements and harsh work environments.
- The Safe Bucket was engineered to be used with tools at height, and includes multiple connection points that can be tethered to. Workers can tether their tools directly to the Safe Bucket when being used, and store their tools for transport when finished.
- Instead of rope which is susceptible to fraying, a heavy-duty hoisting/shoulder strap is built into every Safe Bucket. Each bucket is also equipped with a high-quality and lightweight aluminum twist-lock carabiner load rated for 30 kN (6,700 lbs). There is no need to worry about a knot failing, or a non-locking carabiner which may slip off a connection point.
- Safe Buckets are 15 inches tall and have a 12.5 inch Diameter.



BKT-HBINSERT

HARD BODY SAFE BUCKET INSERT

Product Code
BKT-HBINSERT

Features

- The Hard Body Safe Bucket Insert converts the standard soft body Safe Bucket into a hard body bucket with four inner pockets for staging tools and small parts. The insert can be removed and reused, and is compatible with all standard Safe Buckets.

Tools not included



BKT-100HLC-4

EXTRA DEEP SAFE BUCKETS

Product Code	Length (Inches)	Load Rating (lbs)
BKT-100HLC-4	48	100
BKT-100HLC-6	72	100
BKT-100HLC-10	120	100

Features

- Extra Deep Safe Buckets feature a hook and loop closure system allowing for the safe transport of scaffold poles and large tools like torque wrenches.
- Available in three different lengths.
- Third-party load rated for 100 pounds.
- A heavy duty webbing hoisting strap comes with a built in twist-lock aluminum carabiner for lifting.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 F

TOOLS@HEIGHT SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208SC-TH +	1/4	4 1/4	9/16	1/8	13/32	3/16	0.04
1210SC-TH +	5/16	5 3/4	11/16	5/32	1/2	7/32	0.08
1212SC-TH ++	3/8	6 1/2	13/16	3/16	9/16	1/4	0.12
1214SC-TH ++	7/16	7 1/4	15/16	7/32	11/16	9/32	0.17
1216SC-TH ++	1/2	8	1 1/16	1/4	3/4	11/32	0.23
1218SC -TH ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8	0.31
1220SC -TH ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32	0.43
1222SC -TH ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16	0.51
1224SC-TH ++	3/4	11	1 5/8	5/16	1 1/8	1/2	0.62
1226SC-TH ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32	0.79
1228SC-TH ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16	0.96
1230SC -TH ++	15/16	13 1/4	2	7/16	1 3/8	19/32	1.20
1232SC-TH ++	1	14	2 1/8	15/32	1 15/32	5/8	1.48
1234SC -TH ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32	1.65
1236SC-TH ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16	1.94
1240SC -TH ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4	2.58
1242-TH **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4	2.96
1244 -TH **	1 3/8	18 1/2	2 15/16	5/8	2	3/4	3.45
1246-TH **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8	3.85
1248-TH **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8	4.29
1180-TH **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8	3.70
1182-TH **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8	5.22
1184-TH **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32	5.62
1186-TH**	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32	6.34
1188-TH **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32	6.92
1190-TH **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32	8.20

+ High Polish Chrome Finish with SUPERTORQUE® Box End.
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End.
** Satin Chrome Finish with SUPERTORQUE® Box End and Standard Open End.
* Satin Chrome Finish with Standard Open and Box Ends.
Fed. Spec.: ANSI B107.6; SAE AS 954

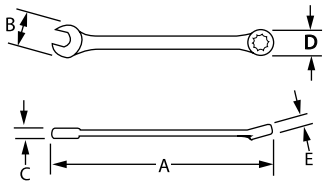
USA Made in U.S.A.





Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.





Wrench with Safety Coil –

Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



1215MSC-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

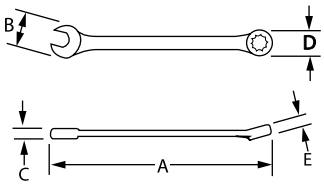
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1207MSC-TH ++	7	5 5/16	5/8	5/32	15/32	7/32	0.06
1208MSC-TH ++	8	5 25/32	23/32	5/32	1/2	7/32	0.08
1209MSC-TH ++	9	6 9/32	13/16	3/16	9/16	1/4	0.10
1210MSC-TH ++	10	6 3/4	7/8	3/16	5/8	9/32	0.13
1211MSC-TH ++	11	7 1/4	31/32	7/32	11/16	5/16	0.18
1212MSC-TH ++	12	7 11/16	1 1/32	7/32	3/4	5/16	0.20
1213MSC-TH ++	13	8 1/32	1 1/8	1/4	25/32	11/32	0.23
1214MSC-TH ++	14	8 5/8	1 7/32	1/4	27/32	3/8	0.32
1215MSC-TH ++	15	9 3/32	1 9/32	9/32	29/32	13/32	0.35
1216MSC-TH ++	16	9 1/2	1 3/8	9/32	15/16	13/32	0.41
1217MSC-TH ++	17	10 1/16	1 15/32	5/16	1	7/16	0.47
1218MSC-TH ++	18	10 17/32	1 17/32	5/16	1 1/16	15/32	0.56
1219MSC-TH ++	19	11 1/32	1 5/8	11/32	1 1/8	1/2	0.67
1220MSC-TH ++	20	11 1/2	1 23/32	3/8	1 3/16	1/2	0.77
1221MSC-TH ++	21	11 25/32	1 3/4	3/8	1 7/32	17/32	0.82
1222MSC-TH ++	22	12 1/2	1 29/32	13/32	1 5/16	9/16	1.08
1223MSC-TH ++	23	12 7/8	1 31/32	7/16	1 11/32	9/16	1.08
1224MSC-TH ++	24	13 9/32	2	7/16	1 3/8	19/32	1.20
1225MSC-TH ++	25	14 1/32	2 5/32	15/32	1 15/32	5/8	1.49
1226MSC-TH +	26	14 5/16	2 3/16	1/2	1 1/2	21/32	1.51
1227MSC-TH +	27	14 25/32	2 9/32	1/2	1 9/16	11/16	1.64
1229MSC-TH +	29	15 17/32	2 13/32	17/32	1 21/32	23/32	2.00
1230MSC-TH +	30	16 9/32	2 17/32	17/32	1 3/4	3/4	2.30
1232MSC-TH +	32	17 1/32	2 11/16	9/16	1 13/16	3/4	2.76
1234MSC-TH +	34	17 25/32	2 13/16	19/32	1 29/32	3/4	2.92
1236MSC -TH +	36	19 9/32	3 1/16	21/32	2 3/32	7/8	3.86

+ High Polish Chrome Finish with SUPERTORQUE® Box End
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6; SAE AS 954

Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points.
  No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.





Wrench with Safety Coil –
Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208MRC-TH	8	5 1/4	23/32	3/16	23/32	9/32	0.08
1209MRC-TH	9	5 7/8	13/16	5/32	25/32	5/16	0.14
1210MRC-TH	10	6 1/4	7/8	7/32	7/8	11/32	0.15
1211MRC-TH	11	6 5/8	15/16	7/32	29/32	11/32	0.22
1212MRC-TH	12	6 13/16	1	7/32	31/32	3/8	0.00
1213MRC-TH	13	7	1 1/32	1/4	1	13/32	0.36
1214MRC-TH	14	7 3/8	1 3/16	1/4	1 3/32	13/32	0.42
1215MRC-TH	15	7 3/4	1 1/4	9/32	1 5/32	7/16	0.56
1216MRC-TH	16	8 3/16	1 11/32	9/32	1 7/32	7/16	0.77
1217MRC-TH	17	9	1 7/16	9/32	1 9/32	1/2	0.93
1218MRC-TH	18	9 3/8	1 17/32	5/16	1 3/8	15/32	1.15
1219MRC-TH	19	9 3/4	1 17/32	11/32	1 7/16	17/32	1.33


1210MRC-TH

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 F

TOOLS@HEIGHT REVERSIBLE RATCHETING COMBINATION WRENCHES

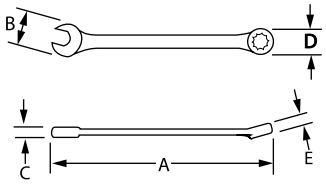
High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
1208RC-TH	8	5 1/4	23/32	3/16	23/32	9/32	.06
1210RC-TH	5/16	5 1/4	23/32	5/32	23/32	9/32	0.08
1212RC-TH	3/8	6 1/4	7/8	3/16	7/8	5/16	0.10
1214RC-TH	7/16	6 5/8	15/16	7/32	29/32	11/32	0.13
1216RC-TH	1/2	7	1 1/32	1/4	1	13/32	0.16
1218RC-TH	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32	0.18
1220RC-TH	5/8	8 7/32	1 11/32	9/32	1 7/32	7/16	0.00
1222RC-TH	11/16	9	1 7/16	9/32	1 11/16	1/2	0.27
1224RC-TH	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32	0.00
1226RC-TH	13/16	10 1/2	1 23/32	3/8	1 9/16	17/32	0.36
1228RC-TH	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32	0.44
1230RC-TH	15/16	12	1 31/32	15/32	1 27/32	5/8	0.50
1232RC-TH	1	13	2 3/32	15/32	1 7/8	5/8	0.56


1232RC-TH

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.





Wrench with Safety Coil –
Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.


3732-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 15°-60° DOUBLE OPEN END ANGLE-HEAD WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Head Diameter	B Head Thickness	C Overall Length (Inches)	Weight (lbs)
3716-TH	1/2	1	7/32	5 1/2	0.10
3718-TH	9/16	1 1/8	1/4	6	0.14
3720-TH	5/8	1 3/16	9/32	6 1/4	0.14
3722-TH	11/16	1 5/16	9/32	7	0.21
3724-TH	3/4	1 7/16	9/32	7 1/4	0.28
3726-TH	13/16	1 19/32	9/32	7 1/2	0.27
3728-TH	7/8	1 21/32	9/32	8 1/4	0.35
3732-TH	1	1 15/16	5/16	9 3/4	0.41
3734-TH	1 1/16	2 1/16	5/16	10	0.50
3736-TH	1 1/8	2 1/4	5/16	11	0.61
3740-TH	1 1/4	2 3/8	11/32	11 1/2	0.70
3744-TH	1 3/8	2 11/16	13/32	12 1/2	0.85
3746-TH	1 7/16	2 11/16	13/32	12 1/2	1.25
3748-TH	1 1/2	2 11/16	13/32	12 1/2	1.19

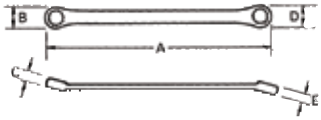
Fed. Spec. ANSI B107.39 Type 2 Class 3

USA Made in U.S.A.

Features

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily


7731B-TH



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM 12 F

TOOLS@HEIGHT DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
7723-TH	3/8 x 7/16	7 5/8	19/32	5/16	21/32	11/32	0.11
7725B-TH	1/2 x 9/16	8 11/16	3/4	3/8	27/32	3/8	0.30
7727A-TH	5/8 x 11/16	10 5/32	29/32	7/16	1	15/32	0.47
7029B-TH	11/16 x 3/4	10 15/16	1	15/32	1 3/32	1/2	0.53
7731A-TH	3/4 x 7/8	12 1/32	1 3/32	1/2	1 1/4	9/16	0.73
7731B-TH	13/16 x 7/8	12 13/32	1 3/16	17/32	1 1/4	9/16	0.80
7033C-TH	15/16 x 1	14 1/8	1 11/32	19/32	1 7/16	5/8	0.94
7038-TH	1 1/8 x 1 3/16	16 3/32	1 19/32	11/16	1 11/16	11/16	1.66
7039B-TH	1 1/4 x 1 5/16	17 5/8	1 25/32	23/32	1 27/32	3/4	0.00

Fed. Spec. ANSI B107.6

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, Metric

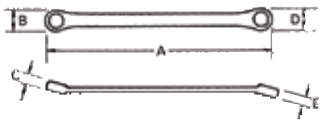
Product Code	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
BWM-0810-TH	8 x 10	7 5/16	1/2	9/32	19/32	5/16	0.15

Fed. Spec. ANSI B107.9M

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.





BMW-0810-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

6 F

TOOLS@HEIGHT DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)	Weight (lbs)
XFN-0810-TH	1/4 x 5/16	4 27/32	18/32	1/4	5/8	8/32	0.12
XFN-1214-TH	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32	0.14
XFN-1618-TH	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32	0.23
XFN-2022-TH	5/8 x 11/16	7 3/4	1 3/32	7/16	3/16	15/32	0.38
XFN-2432-TH	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8	0.70
XFN-2836-TH	7/8 x 1 1/8	10.5	1 7/16	9/16	1 3/4	11/16	0.99

Fed. Spec.: ANSI B107.6

WS-14-TH 5 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch – R-4 2.71 lbs

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
XFN-1214-TH	3/8 x 7/16	XFN-2022-TH	5/8 x 11/16	XFN-2836-TH	7/8 x 1 1/8
XFN-1618-TH	1/2 x 9/16	XFN-2432-TH	3/4 x 1		

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.

USA Made in U.S.A.



XFN-2836-TH



WS-14-TH



Wrench with Safety Coil –
Secure lanyard attachments need to withstand tough site use, including low temperature, so structural integrity is critical

- Superior Design - No welds to fail
- High Performance - Made from polished stainless steel, they have superior flexibility and shock-absorbing qualities over welded attachments
- Seven sizes available to support wrenches up to 1 ½" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.





WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

6 M

TOOLS@HEIGHT DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)	Weight (lbs)
10650-TH	9 x 11	5 11/16	13/16	11/32	15/16	5/16	0.11
10652-TH	10 x 12	6 1/8	7/8	3/8	29/32	5/16	0.15
10654-TH	13 x 14	6 7/8	1	3/8	1 3/32	3/8	0.20
10656-TH	15 x 17	7 7/8	1 1/16	7/16	1 7/32	1/2	0.28
10658-TH	19 x 21	8 7/8	1 9/32	1/2	1 13/32	17/32	0.43

Fed. Spec.: ANSI B107.9M

11692-TH 5 Piece Double Head Flare Nut Wrench Set, 6 Point, Metric, in Pouch – 50001 1.43 lbs.

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
10650-TH	9 x 11	10654-TH	13 x 14	10658-TH	19 x 21
10652-TH	10 x 12	10656-TH	15 x 17		

Features

- Will not damage fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

6 12 F

TOOLS@HEIGHT DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, SAE

Product Code	Number of Points	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)	Weight (lbs)
RB-810-TH	6	1/4 x 5/16	4 1/4	19/32	3/8	11/16	3/8	.12
RB-1214-TH	6	3/8 x 7/16	5 1/2	25/32	3/8	7/8	3/8	.18
RB-1618-TH	6	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2	.33
RB-2022-TH	12	5/8 x 11/16	8 1/8	1 5/16	1/2	1 7/16	1/2	.44
RB-2428-TH	12	3/4 x 7/8	9 1/4	1 13/32	1/2	1 9/16	1/2	.48

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.

USA Made in U.S.A.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

TOOLS@HEIGHT ADJUSTABLE WRENCH

Chrome Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Weight (lbs.)
AP-6A-TH	6	3/4	7/16	.30
AP-8A-TH	8	1	1/2	.57
AP-10A-TH	10	1 11/64	39/64	.98
AP-12A-TH	12	1 5/16	23/32	1.53
AP-15A-TH	15	1 11/16	51/64	2.95


AP-8A-TH

Made in U.S.A.

Features

- Chrome plated finish allows for easy cleaning after each use.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.

TOOLS@HEIGHT ADJUSTABLE CONSTRUCTION WRENCH

Heavy-Duty With Polished Head and Measurement Scales

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Weight (lbs)
13625-TH	15	1 1/2	23/32	2.24


13625-TH

Features

- Tapered spud handle locates and aligns bolts and rivets.
- Hole in handle permits tethering wrench for safety.
- Measurement scale on head conveniently shows fastener size.
- Economical black phosphate finish resists rust.

TOOLS@HEIGHT ADJUSTABLE PIN SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)	Weight (lbs.)
O-471-TH	3/4 to 2	1/8	1/8	5 3/8	.27
O-472-TH	1 1/4 to 3	3/16	3/16	6 7/8	.48
O-474-TH	2 to 4 3/4	1/4	1/4	9 1/2	.93
O-474A-TH	4 1/2 to 6 1/4	3/8	1/4	9 7/8	1.10


O-472-TH


O-474-TH

Made in U.S.A.

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



471-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT ADJUSTABLE HOOK SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Hook Depth (Inches)	Hook Thickness (Inches)	Overall Length (Inches)	Weight (lbs.)
471-TH	3/4 to 2	1/8	11/32	5 3/8	.26
472-TH	1 1/4 to 3	5/32	13/32	7 1/4	.49
474-TH	2 to 4 3/4	3/16	15/32	11 1/2	.97
474A-TH	4 1/2 to 6 1/4	1/4	15/32	17 1/2	1.05

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.



483-TH



484-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT ADJUSTABLE FACE SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)	Weight (lbs.)
482-TH	2	3/16	1/4	6 1/4	.31
483-TH	3	1/4	1/4	8 1/8	.63
484-TH	4	5/16	1/2	10 3/8	1.01

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SLUGGING WRENCH RETAINERS

Product Code	Stud Size	Length	C	D
SWR-24	3/8	1 29/32	1 15/16	1 3/4
SWR-28	7/8	2	2 3/16	1 29/32
SWR-32	1	2 1/8	2 1/2	2 1/32
SWR-36	1 1/8	2 1/4	2 1/2	2 5/32
SWR-40	1 1/4	2 3/8	2 7/8	2 9/32
SWR-44	1 3/8	2 15/32	3 1/8	2 3/8
SWR-48	1 1/2	2 5/8	3 1/8	2 1/2
SWR-52	1 5/8	2 3/4	3 5/8	2 21/32
SWR-56	1 3/4	2 7/8	3 7/8	2 3/4
SWR-60	1 7/8	3	4 1/2	2 7/8

Features

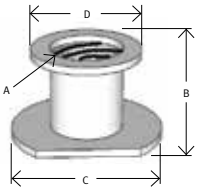
- SWR-SET includes one of each retainer in a plastic box.
- Retainers feature attachment point to prevent drop during use.
- Slugging Wrench Retainers thread onto the end of the stud over the slugging wrench to ensure the wrench stays affixed to the fastener
- A spring loaded plate allows for easy adjustment of the wrench without having to unscrew the retainer.
- Increased productivity and safer operation by eliminating the need for a second worker to hold and slugging wrench in place
- Available in 10 sizes, marked with stud sizes (not hex sizes)
- Configured to work with offset and straight handle slugging wrenches

Made in U.S.A.


SWR-SET


SWR-52


SWR-24



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT FOLDING HEX KEY SETS

SAE and Metric

Product Code	WS-45-TH		WS-46-TH		MWS-47-TH	
Number of Pieces	8		9		7	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (Inches)	Key Length (Inches)	Includes Hex Size (MM)	Key Length (Inches)
	.050	1 1/4	5/64	1 1/2	1.5	1 3/8
	1/16	1 3/8	3/32	1 9/16	2	1 1/2
	5/64	1 7/16	7/64	1 11/16	2.5	1 5/8
	3/32	1 9/16	1/8	1 15/16	3	1 3/4
	7/64	1 5/8	9/64	2	4	2
	1/8	1 11/16	5/32	2 1/4	5	2 1/4
	9/64	1 13/16	3/16	2 1/2	6	2 1/2
	5/32	2	7/32	2 5/8		
			1/4	2 7/8		


WS-45-TH

Features

- Steel case is chrome plated to resist corrosion.
- Keys are black oxide finish.
- Convenient item for pocket or tool box.
- Modified to prevent disassembly during use.

Made in U.S.A.

CDI TORQUE PRODUCTS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT METAL HANDLE CLICK TYPE TORQUE WRENCHES - DUAL SCALE

Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip. There are 21 models of metal handle micrometer adjustable torque wrenches available.

Product Code	Drive Size	English Range	Incr.	Num Range	Incr.	A in.	B in.	C in.	D in.	Wt. Lbs.
2503MFRMH-TH	1/2"	30-250 ft. lb.	1	47-332 Nm	1.4	24.40	1.70	1.40	1.40	4.73


2503MFRMH-TH

Features

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy: ± 3% CW ± 4% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

Made in U.S.A.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



M-52EHA-TH



MB-52EHA-TH

TOOLS@HEIGHT 1/4" DRIVE ENCLOSED HEAD RATCHETS

Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
M-52EHA-TH	Chrome Finish Enclosed Head Ratchet	5 1/4	36	0.00
MB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	5 1/4	36	0.21

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
- Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
- Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



M-115-TH

TOOLS@HEIGHT 1/4" DRIVE EXTENSIONS

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
M-102-TH	Extension	2	.06
M-104-TH	Extension	4	.11
M-115-TH	Extension	6	.15
M-140A-TH	U-Joint		.11

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.



30210-TH 30206-TH

TOOLS@HEIGHT 1/4" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
30206-TH	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2	0.03
30207-TH	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2	0.03
30208-TH	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2	0.03
30209-TH	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2	0.03
30210-TH	5/16	1	15/32	15/32	5/16	19/32	1/4	-	0.03
30211-TH	11/32	1	1/2	1/2	5/16	19/32	11/32	-	0.04
30212-TH	3/8	1	9/16	9/16	11/32	19/32	3/8	-	0.04
30214-TH	7/16	1	5/8	5/8	7/16	19/32	7/16	-	0.05
30216-TH	1/2	1	11/16	11/16	7/16	19/32	1/2	-	0.06
30218-TH	9/16	1	3/4	3/4	7/16	19/32	17/32	-	0.07

Fed. Spec: ANSI B107.1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.



Competitor's socket Williams' socket

Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

TOOLS@HEIGHT 1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
30406-TH	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32	0.04
30407-TH	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16	0.05
30408-TH	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32	0.05
30409-TH	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32	0.05
30410-TH	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-	0.05
30411-TH	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-	0.07
30412-TH	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-	0.09
30414-TH	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-	0.10
30416-TH	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-	0.11
30418-TH	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-	0.14

Fed. Spec: ANSI B107.1



30410-TH 30406-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

TOOLS@HEIGHT 1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35000-TH	1/8	13/16	15/32	1 13/32	5/8	0.04
35001-TH	5/32	13/16	15/32	1 13/32	5/8	0.04
35002-TH	3/16	13/16	15/32	1 13/32	5/8	0.04
35003-TH	7/32	13/16	15/32	1 13/32	5/8	0.04
35004-TH	1/4	13/16	15/32	1 13/32	5/8	0.04
35005-TH	5/16	13/16	15/32	1 13/32	5/8	0.04

30902-TH 6 Piece Hex Bit Socket Set on Clip Rail .51 lbs

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35000-TH	1/8	35002-TH	3/16	35004-TH	1/4
35001-TH	5/32	35003-TH	7/32	35005-TH	5/16



30902-TH

Features

- High-polished chrome finish socket cleans easily.

TOOLS@HEIGHT 1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35070-TH	3	13/16	15/32	1 13/32	5/8	0.04
35071-TH	4	13/16	15/32	1 13/32	5/8	0.04
35072-TH	5	13/16	15/32	1 13/32	5/8	0.04
35073-TH	6	13/16	15/32	1 13/32	5/8	0.04
35074-TH	7	13/16	15/32	1 13/32	5/8	0.04
35075-TH	8	13/16	15/32	1 13/32	5/8	0.04



35072-TH

30904-TH 6 Piece Hex Bit Socket Set on Clip Rail .51 lbs

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35070-TH	3	35072-TH	5	35074-TH	7
35071-TH	4	35073-TH	6	35075-TH	8

Features

- High-polished chrome finish socket cleans easily.



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Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



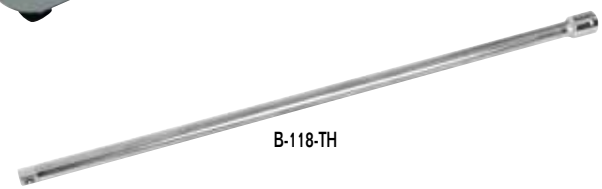
B-52EHA-TH



BB-52EHA-TH



B-52EHLA-TH



B-118-TH



B-140A-TH



B-40A-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
BB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	8	36	.76
B-52EHA-TH	Chrome Finish Enclosed Head Ratchet	8	36	.76
B-52EHLA-TH	Chrome Finish Enclosed Head Ratchet, Long	10 1/4	36	.87

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs)
B-108-TH	Extension	3	.19
B-110-TH	Extension	6	.34
B-115-TH	Extension	11	.61
B-118-TH	Extension	18	.93
B-140A-TH	Universal Joint	2	.15
B-70-TH	Ratchet Spinner Disk	1 1/4	.14

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE HANDLE

Knurled Handle, High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs)
B-40A-TH	Flex Handle	8 9/16	.67

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

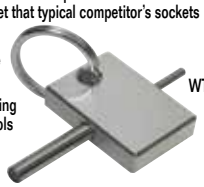
- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
31208-TH	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32	0.04
31210-TH	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32	0.05
31212-TH	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32	0.05
31214-TH	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32	0.05
31216-TH	1/2	1	3/4	3/4	13/32	19/32	7/16	-	0.07
31218-TH	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-	0.08
31220-TH	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-	0.09
31222-TH	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-	0.11
31224-TH	3/4	1 1/8	1	1	9/16	23/32	23/32	-	0.15
31226-TH	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-	0.17
31228-TH	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-	0.21
31230-TH	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-	0.23
31232-TH	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-	0.26

Fed. Spec: ANSI B107.1



31216-TH 31208-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
31408-TH	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16	0.11
31410-TH	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16	0.11
31412-TH	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16	0.12
31414-TH	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16	0.12
31416-TH	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-	0.15
31418-TH	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-	0.18
31420-TH	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-	0.21
31422-TH	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-	0.25
31424-TH	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-	0.27
31426-TH	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-	0.34
31428-TH	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-	0.38
31430-TH	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-	0.44
31432-TH	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-	0.49

Fed. Spec: ANSI B107.1



31416-TH 31408-TH

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



35100-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs.)
35100-TH	1/8	1 3/16	3/4	1 27/32	21/32	0.09
35101-TH	9/64	1 3/16	3/4	1 27/32	21/32	0.09
35102-TH	5/32	1 3/16	3/4	1 27/32	21/32	0.10
35103-TH	3/16	1 3/16	3/4	1 27/32	21/32	0.09
35104-TH	7/32	1 3/16	3/4	1 27/32	21/32	0.10
35105-TH	1/4	1 3/16	3/4	1 27/32	21/32	0.09
35106-TH	5/16	1 3/16	3/4	1 31/32	13/16	0.11
35107-TH	3/8	1 3/16	3/4	1 31/32	13/16	0.12

Features

- High-polished chrome finish socket cleans easily.



31154-TH 31142-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E	F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Open End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
31142-TH	3/8	1 53/64	3/4	9/16	3/8	35/64	21/64	5/16	0.11
31144-TH	7/16	1 53/64	3/4	5/8	3/8	35/64	21/64	5/16	0.11
31146-TH	1/2	1 57/64	3/4	45/64	13/32	37/64	21/64	13/32	0.12
31148-TH	9/16	1 57/64	3/4	25/32	7/16	43/64	21/64	33/64	0.13
31150-TH	5/8	2	3/4	55/64	7/16	45/64	21/64	33/64	0.14
31152-TH	11/16	2 3/64	3/4	15/16	31/64	3/4	21/64	17/32	0.15
31154-TH	3/4	2 3/64	3/4	1 1/64	1/2	51/64	21/64	17/32	0.16

Fed. Spec: ANSI B107.1

Features

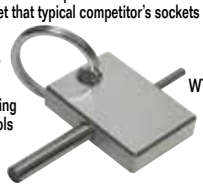
- Ideal for work in confined areas where fastener is inaccessible to standard sockets



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE SCAFFOLDING RATCHET

Product Code	Description	Weight (lbs)
BS-62	Scaffolding Ratchet with out pry bar	2.55
BS-63B	Scaffolding Ratchet with pry bar	2.74

Product Code	Description
BS-63BTIP	Hammer Tip
BS-63BBAR	Pry Bar
BS-63BRK	Repair Kit

Made in U.S.A.

Features

- 1/2" Drive with pinned 7/8" 6-point socket
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas
- Bronze hammer head reduces rebound
- Pry bar handle provide alignment option
- Socket feature SUPERTORQUE lobular opening for greater turning power without deforming the fastener
- Easy access reversing lever allows user to change working direction quickly and easily with only one hand
- Tethering device attached to handle


BS-62


BS-63B

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
S-52EHA-TH	Chrome Finish Enclosed Head Ratchet	10 1/4	36	1.61
S-52EHLA-TH	Chrome Finish Enclosed Head Ratchet, Long	15	36	1.94
SB-52EHA-TH	Black Industrial Finish Enclosed Head Ratchet	10 1/4	36	1.61

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.


SB-52EHA-TH


S-52EHA-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE HANDLES

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
S-40AA-TH	Chrome Flex Handle	10 13/16	1.34
S-41AA-TH	Chrome Flex Handle	15 1/2	2.07
BS-41AA-TH	Black Industrial Finish Flex Handle	15 1/2	2.06

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.


BS-41AA-TH


S-40AA-TH



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Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.


WTHPRT

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



S-140A-TH



S-121P-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
S-102P-TH	Extension	2	.38
S-110P-TH	Extension	5	.50
S-115P-TH	Extension	10	.93
S-121P-TH	Extension	20	1.76
S-140A-TH	Universal Joint	2 11/16	.29

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.



32220-TH 32212-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

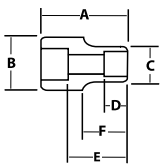
12 F

TOOLS@HEIGHT 1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs.)
32212-TH	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32	0.11
32214-TH	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16	0.12
32216-TH	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32	0.12
32218-TH	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16	0.12
32220-TH	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-	0.14
32222-TH	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-	0.16
32224-TH	3/4	1 1/2	1	1	3/4	29/32	23/32	-	0.19
32226-TH	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-	0.21
32228-TH	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-	0.25
32230-TH	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-	0.29
32232-TH	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-	0.32
32234-TH	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-	0.40
32236-TH	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-	0.44
32238-TH	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-	0.50
32240-TH	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-	0.55
32242-TH	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-	0.56
32244-TH	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-	0.64
32246-TH	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-	0.66
32248-TH	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-	0.72

Fed. Spec: ANSI B107.1



Features

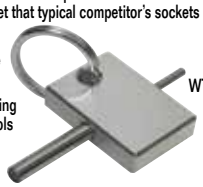
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



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Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

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WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 F

TOOLS@HEIGHT 1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

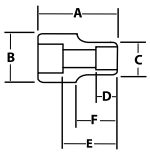
High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Weight (lbs.)
32412-TH	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32	0.23
32414-TH	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32	0.24
32416-TH	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32	0.24
32418-TH	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32	0.26
32420-TH	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-	0.27
32422-TH	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-	0.27
32424-TH	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-	0.27
32426-TH	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-	0.41
32428-TH	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-	0.45
32430-TH	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-	0.50
32432-TH	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-	0.58
32434-TH	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-	0.64
32436-TH	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-	0.75
32438-TH	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-	0.81
32440-TH	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-	0.88
32442-TH	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-	0.98
32444-TH	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-	1.12
32446-TH	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-	1.19
32448-TH	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-	1.38

Fed. Spec: ANSI B107.1



32420-TH 32412-TH



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

8 F

TOOLS@HEIGHT 1/2" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

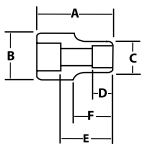
High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Weight (lbs.)
ST-812-TH	3/8	1 1/2	7/8	23/32	5/16	27/32	5/16	7/8	0.14
ST-814-TH	7/16	1 1/2	7/8	13/16	3/8	27/32	5/16	7/8	0.13
ST-816-TH	1/2	1 1/2	29/32	29/32	13/32	27/32	11/32	-	0.16
ST-818-TH	9/16	1 1/2	31/32	31/32	7/16	27/32	7/16	-	0.18
ST-820-TH	5/8	1 1/2	1 1/16	1 1/16	1/2	27/32	7/16	-	0.24
ST-822-TH	11/16	1 1/2	1 3/16	1 3/16	1/2	27/32	17/32	-	0.37
ST-824-TH	3/4	1 1/2	1 9/32	1 9/32	9/16	13/16	23/32	-	0.37
ST-826-TH	13/16	1 5/8	1 7/16	17/16	9/16	31/32	27/32	-	0.49
ST-828-TH	7/8	1 3/4	1 1/2	1 1/2	5/8	1 1/16	15/16	-	0.53
ST-830-TH	15/16	1 13/16	1 5/8	1 5/8	11/16	1 1/8	1 1/32	-	0.63
ST-832-TH	1	1 15/16	1 11/16	1 11/16	11/16	1 1/4	1 1/32	-	0.78

Fed. Spec: ANSI B107.1



ST-812



Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

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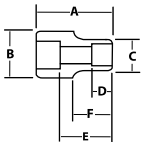
WTHPRT

WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



32820-TH



WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

12 M

TOOLS@HEIGHT 1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F	
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
32809-TH	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32	0.22
32810-TH	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32	0.22
32811-TH	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32	0.22
32812-TH	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32	0.23
32813-TH	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32	0.24
32814-TH	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32	0.24
32815-TH	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-	0.24
32816-TH	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-	0.27
32817-TH	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-	0.31
32818-TH	18	3 1/4	1	1	13/16	2 11/32	15/32	-	0.34
32819-TH	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-	0.37
32820-TH	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-	0.40
32821-TH	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-	0.41
32822-TH	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-	0.46
32823-TH	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-	0.49
32824-TH	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-	0.52
32825-TH	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-	0.55
32826-TH	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-	0.57
32827-TH	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-	0.66
32828-TH	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-	0.73
32829-TH	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-	0.78
32830-TH	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-	0.83
32832-TH	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-	0.93
32836-TH	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-	1.16

Fed. Spec: ANSI B107.5

32949-TH - 24 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail 12.02 lbs.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



35212-TH



35274-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

F

TOOLS@HEIGHT 1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35208-TH	1/4	1 7/16	29/32	2 13/32	27/32	0.17
35210-TH	5/16	1 7/16	29/32	2 13/32	27/32	0.17
35212-TH	3/8	1 7/16	29/32	2 13/32	27/32	0.19
35214-TH	7/16	1 7/16	29/32	2 13/32	27/32	0.22
35202-TH	1/2	1 19/32	7/8	2 13/32	27/32	0.26
35203-TH	9/16	1 19/32	1	2 13/32	27/32	0.33
35204-TH	5/8	1 19/32	1 1/16	2 13/32	27/32	0.39
35206-TH	3/4	1 19/32	1 3/16	2 13/32	27/32	0.51

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

M

TOOLS@HEIGHT 1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs)
35274-TH	8	1 19/32	29/32	2 13/32	27/32	0.17
35275-TH	10	1 19/32	29/32	2 7/16	27/32	0.19
35276-TH	12	1 19/32	29/32	2 7/16	27/32	0.22
35277-TH	14	1 19/32	1	2 7/16	27/32	0.32
35278-TH	17	1 19/32	1 3/32	2 7/16	27/32	0.43
35279-TH	19	1 19/32	1 3/16	2 7/16	27/32	0.51

Features

- High-polished chrome finish socket cleans easily.



Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

Release pin with WTHPRT – Pin Release Tool for William's Square Drive Tools

Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/4" DRIVE INTEGRATED HANDLE RATCHETS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
H-51B-TH	Chrome Finish Ratchet	20 1/8	24	6.04
HB-51B-TH	Black Industrial Finish Ratchet	20 1/8	24	6.04

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.



WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/4" DRIVE EXTENSIONS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
H-104B-TH	Black Industrial Finish Drive Extension	3	0.73
H-110B-TH	Black Industrial Finish Drive Extension	8	1.70
H-110-TH	Chrome Finish Drive Extension	8	1.72
H-115-TH	Chrome Finish Drive Extension	16	3.25

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.



WILLIAMS TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 3/4" DRIVE HANDLE

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
H-41AA-TH	Flex Handle Breaker Bar, Knurled Grip	22 1/8	Chrome

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.





Williams T@H sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams T@H ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical competitor's sockets with just one side hole create.

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WTHPRT

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



33244-TH 33228-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

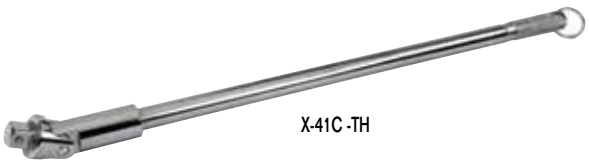
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TOOLS@HEIGHT 3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)	Weight (lbs)
33228-TH	7/8	1 15/16	1 7/16	1 1/4	35/64	0.46
33230-TH	15/16	2	1 7/16	1 3/8	5/8	0.49
33232-TH	1	2 1/16	1 7/16	1 7/16	5/8	0.49
33234-TH	1 1/16	2 1/16	1 7/16	1 1/2	7/8	0.49
33236-TH	1 1/8	2 1/16	1 1/2	1 9/16	7/8	0.54
33238-TH	1 3/16	2 1/8	1 1/2	1 11/16	15/16	0.60
33240-TH	1 1/4	2 3/16	1 1/2	1 3/4	15/16	0.64
33242-TH	1 5/16	2 3/16	1 1/2	1 13/16	1	0.69
33244-TH	1 3/8	2 1/4	1 5/8	1 7/8	1	0.83
33246-TH	1 7/16	2 1/4	1 5/8	1 31/32	1 7/64	0.90
33248-TH	1 1/2	2 3/8	1 3/4	2 1/16	1 7/64	1.01
33252-TH	1 5/8	2 1/2	1 3/4	2 3/16	1 3/16	1.17
33256-TH	1 3/4	2 9/16	1 13/16	2 5/16	1 1/4	1.37
33258-TH	1 13/16	2 11/16	1 13/16	2 3/8	1 1/4	1.37
33260-TH	1 7/8	2 3/4	1 7/8	2 1/2	1 11/32	1.57
33264-TH	2	2 13/16	1 7/8	2 11/16	1 13/32	1.64

Fed. Spec: ANSI B107.1



X-41C -TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1" DRIVE HANDLE

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish	Weight (lbs)
X-41C-TH	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Chrome	10.93

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.
- Spring and plunger socket retention.

USA Made in U.S.A.



X-51B-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 1" DRIVE RATCHET

Integrated Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
X-51B-TH	Chrome Ratchet	20 1/8	24	6.25

Fed. Spec: ANSI B107.10M

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 24 tooth gear with 15 degree of engagement allows engagement in tight working areas.
- Chrome finish with mirror-like exterior can be easily cleaned after each use.

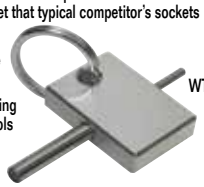
USA Made in U.S.A.



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WTHPRT

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

TOOLS@HEIGHT GASKET SCRAPER

Bi-Mold Comfort Grip Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width	Weight (lbs)
40000-TH	6	9 3/4	7/8	.32

Features

- Bi-mold handle provides comfortable grip, reducing hand fatigue.
- Ideal for gasket removal and cleaning rust and corrosion.

Made in U.S.A.


40000-TH

TOOLS@HEIGHT 6 PIECE PREMIUM MIXED SCREWDRIVER SET

Premium Comfort Grip Handles and Blades

Product Code	Descriptioin
100P-5MD-TH	5 Piece Premium Screwdriver Set Phillips/Slotted

Contents Include:

Product Code	Overall length (Inches)	Blade Length (Inches)	Tip Width/Point Size
SDR-22-TH	6 1/8	3	3/16
SDR-24-TH	7 7/8	4	1/4
SDR-26-TH	10 11/16	6	5/16
SDP-1-3-TH	6 1/4	3	#1 Phillips
SDP-2-4-TH	7 15/16	4	#2 Phillips


100P-5MD-TH

TOOLS@HEIGHT SLOTTED SCREWDRIVERS

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)	Weight (lbs)
SDS-62-TH	3 7/8	1 1/2	3/16	0.09
SDR-22-TH	6 1/8	3	3/16	0.17
SDR-24-TH	7 7/8	4	1/4	0.26
SDR-26-TH	10 11/16	6	5/16	0.38
SDR-28-TH	12 11/16	8	3/8	0.59
SDR-30-TH	14 3/4	10	7/16	0.66

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.

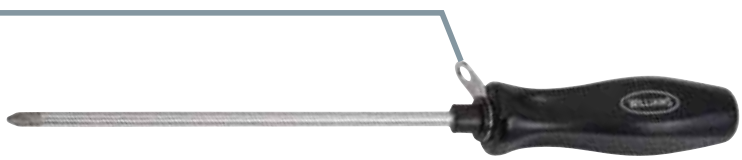
Made in U.S.A.


SDS-62-TH

SDR-24-TH

Rotating screwdriver tabs – tab is located for secure retention and allow full use of the screwdriver handle

- Stainless steel tab is corrosion resistant
- Tab rotates freely 360° so the lanyard does not wrap around the users hand
- Nylon bushing has a shoulder so the tab will not bind between the handle and shank bolster



⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



SDP-2-4-TH



SDP-2-ST-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PHILLIPS® SCREWDRIVERS W/ROUND BLADES

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size	Weight (lbs)
SDP-2-ST-TH	3 7/8	1 1/2	2	0.10
SDP-1-3-TH	6 1/4	3	1	0.15
SDP-2-4-TH	7 15/16	4	2	0.25
SDP-2-8-TH*	12	8	2	0.30
SDP-3-6-TH	10 1/2	6	3	0.39
SDP-4-6-TH	10 3/4	6	4	0.53

* Does not have Bolster

USA Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



24401-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)	Weight (lbs)
24401-TH	7	3	3/16	0.21
24403-TH	7	3	1/4	0.22
24405-TH	7	3	5/16	0.23
24407-TH	7	3	11/32	0.24
24409-TH	7	3	3/8	0.25
24411-TH	7	3	7/16	0.26
24413-TH	7	3	1/2	0.28

Features

- Hollow shaft accommodates long bolts or studs.
- Precision machined socket end.
- Cushion grip handle for comfort.
- Size imprinted on color coded ends for easy identification.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PHILLIPS® UTILITY SUPERJOINT PLIERS

Double-Dipped Plastic Handles

Features	Overall Length (Inches)	Maximum Opening (Inches)	Tip Width (Inches)	Weight (lbs)
PL-1519C-TH	5	1/2	3/16	0.22
PL-1520C-TH	10	1 1/2	5/16	0.92
PL-1523C-TH	12	2 5/8	1/2	1.50
PL-1524C-TH	16	4	1/2	2.78

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.

Made in U.S.A.



PL-1520C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT COMBINATION SLIP-JOINT PLIERS

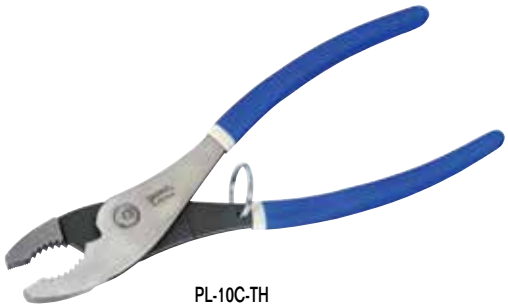
Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)	Weight (lbs)
PL-8C-TH	8	1 13/32	3/8	0.73
PL-10C-TH	10	1 13/32	1/2	1.04

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.
- Shear type wire cutter extends tool use.

Made in U.S.A.



PL-10C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT INDUSTRIAL GRADE LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-204C-TH	Electrician's	7	1/2	.62

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished faces look good and resist corrosion.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Double-dipped plastic handle grips are comfortable yet durable.

Made in U.S.A.



PL-204C-TH

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



PL-57C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
PL-57C-TH	High Leverage Head	7 1/4	15/16	0.50

Made in U.S.A.

Features

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



PL-46C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
PL-46C-TH	6	3/4	.37
PL-47C-TH	7	11/16	.50

Made in U.S.A.

Features

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.
- Regular flush cutters are used for cutting hard wire.



PL-76C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-76C-TH	Long Nose w/cutter	6 1/2	1 5/16	.38

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Diamond serrated jaws with industrial hardened cutting edges.



PL-149C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DUCK BILL PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (Inches)
PL-149C-TH	High Leverage	8	1 1/4	.44

Made in U.S.A.

Features

- Jaws are polished with rust-protective coating.
- Flat wide nose provides a better grip than the regular needle nose models.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT THIN BENT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
PL-126C-TH	73° Bent Thin Nose	6 1/4	1 1/4	0.33

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws for extra gripping power.
- 73° bent nose model featured thin jaws angled to reach around obstacles and hard-to-reach spaces.

USA Made in U.S.A.



PL-126C-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT HEAVY DUTY FRONT END WIRE STRIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)	Weight (lbs)
23506-TH	6 1/4	10-20	12-20	.24

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work and reduce hand effort.
- Serrated gripping jaws in nose for use as pliers.
- 2-piece hardened steel pivot for long life service.
- Lock protects cutting edges in storage.

USA Made in U.S.A.



23506-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT MULTI-PURPOSE COMBINATION WIRE TOOLS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Description	Overall Length (Inches)	Nose Style	Weight (lbs)
23503-TH	Front-end Stripper	8 1/4	Serrated Pliers	0.45

Features

- Crimp and strip wire sizes 10-22 AWG.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- 23503 cuts 6 bolt sizes: 4-40 / 5-40 / 6-32 / 8-32 / 10-32 / 10-24.
- 23524 cuts 5 bolt sizes: 4-40 / 6-32 / 8-32 / 10-32 / 10-24.

USA Made in U.S.A.



23503

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT WIRE TWISTER / CUTTER

Produces Right Hand (clockwise) Twists

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
WTC-11-TH	8.5	1 1/16	1/4	.53

Features

- Diamond-shaped, flat top jaw serrations hold wire firmly and resist knicking material being worked on.
- Diagonal nose configurations & “mini” frame allows access in tight quarters.
- Automatic return feature retracts automatically, speeding up operation use and reducing operator fatigue.
- Heat-treated cutting edge holds it edge for cutting tough (up to .041) stainless steel and safety wire.
- One hand operation allows for operator closing and locking with minimum of handle force.
- High carbon alloy steel forging are used for maximum durability and long life.

USA Made in U.S.A.



WTC-11-TH

⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



23303-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT LOCKING PLIERS FOR FERROUS MATERIALS

Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
23302-TH	7	0.71
23303-TH	10	1.15

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power



23310-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT LOCKING PLIERS

Long Nose with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
23310-TH	9	0.80

Locking C-Clamps

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)	Weight (lbs)
23321-TH	11	2¼"	900	1.65

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power



23321-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

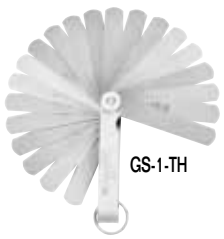
TOOLS@HEIGHT FEELER GAUGE SET

Heavy Duty Machine Shop Tools

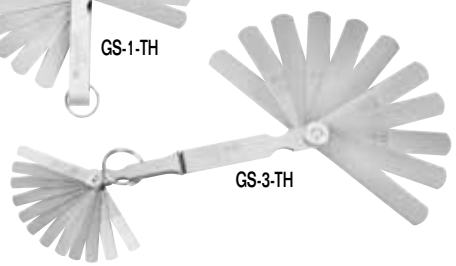
Product Code	Description	Thickness	Number of Blades	Weight (lbs)
GS-1-TH	Master Feeler Gauge Set	.0015 - 1/32	25	.19

Features

- 25 blades 3-5/16" x 1/2" in the following thicknesses: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, and .035.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.



GS-1-TH



GS-3-TH

Product Code	Description	Thickness	Number of Blades	Weight (lbs)
GS-3-TH	Combination Feeler Gauge Set	.002 - .025	22	.11

Features

- Contains total of 22 blades.
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- 12 blades 1-3/4" x 1/4" in the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.
- Overall length 5"
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Made in U.S.A.



28201-TH



28203-TH



28205-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (cold-rolled/stainless)	Weight (lbs)
28201-TH	Left	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
28203-TH	Right	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
28205-TH	Straight	9 13/16	1 1/2	18 ga.CR / 22 ga.SS	.96

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)	Weight (lbs)
CC-402C-TH	2	2 11/32	1/2	3500	1.50
CC-404C-TH	4	3 3/16	3/4	6500	3.15

Features

Made in U.S.A.

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to "springing".



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE WRENCHES

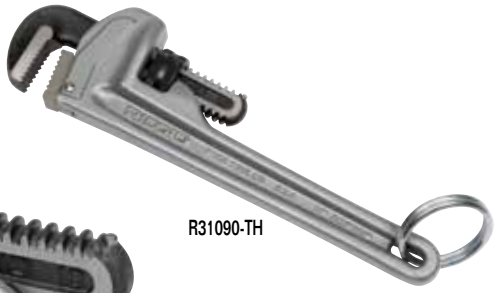
Aluminum, Heavy Duty

Product Code	Overall Capacity (Inches)	Maximum jaw Opening	Weight (lbs)
R31090-TH	10	1 1/2	1
R47057-TH	12	2	2.5
R31095-TH	14	2	2.5
R31100-TH	18	2 1/2	3.75

Features

Made in U.S.A.

- Professional strength in lightweight aluminum.
- Offers the durability and ease-of-use.





We pin the tang of the removable pipe wrench jaw so it cannot become separated from the handle

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE WRENCHES

Cast Iron, Heavy Duty

Product Code	Overall Capacity (Inches)	Maximum jaw Opening	Weight (lbs)
R31000-TH	6	3/4	0.5
R31005-TH	8	1	0.75
R31010-TH	10	1 1/2	1.75
R31015-TH	12	2	2.75
R31020-TH	14	2	3.5

Features

Made in U.S.A.

- Sturdy, cast-iron housing and I-beam handle with full floating forged hook jaw, featuring self-cleaning threads with replaceable hook and heel jaws.
- Heavy-duty pipe wrenches comply with federal specifications GGG-W65IE, Type II, Class A.





WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Minimum - Maximum (Pipe Size)	Handle Length (Inches)	Chain Length (Inches)	Weight (lbs)
CW-4-TH	3/8 - 4	11	15	1.80

Features

Made in U.S.A.

- Forged handle is fully heat-treated.
- Ideal for use in close quarters and where space is at a premium.
- Successive "bites" can be taken without removal of wrench from the work piece.
- Fully adjustable to fit any shape pipe.



⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



SOTTHFSNE3-22SM



HDP-1-TH



20543-TH



20678-TH



HSB-1.5A-TH

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CLAW HAMMER

Solid steel hammer with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
SOTTHFSNE3-22SM	7 1/4	15 3/4	2.13

Features

- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.

Made in U.S.A.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
HPD-1-TH	9 5/8	12 1/2	1 1/2	1.43
HPD-2-TH	10 3/4	13 7/8	2	1.83
HPD-3-TH	10 3/4	14 1/8	2 1/4	2.61
HPD-4-TH	10 3/8	15 1/4	2 5/8	3.20

Features

- Shot-loaded head delivers more striking force per blow and reduces vibration as well as rebound.
- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.

Made in U.S.A.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT BALL PEIN HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Weight (oz.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
20542-TH	8	9 1/2	10 3/4	7/8	1.84
20543-TH	12	10 1/4	11 3/4	7/8	1.23
20544-TH	16	11 1/4	13	1 7/8	1.67
20545-TH	24	13	15	1 1/4	2.31
20546-TH	32	12 3/4	15	1 1/4	2.69

Features

- Ideal for driving punches, chisels and other metal work.
- Fiberglass handle has a cushion grip for greater comfort and safety.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness and uniformity.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DRILLING HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
20678-TH	8 1/2	10 1/4	2.55

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT BRONZE HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight Class (lbs)
HSB-1.5A-TH	10 3/8	12	1	1.91

Features

- Ideal for applications which require non-sparking conditions.
- The flat surface brass head absorbs impact blows, reduces rebound and helps eliminate marred work surfaces.
- Non-slip cushion grip provides greater comfort and safety.

Made in U.S.A.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT 17 PIECE PUNCH & CHISEL SET

Packed in a Roll Pouch

Product Code	Description	Weight (lbs)
PC-17-TH	17 Piece Punch & Chisel Set	4.93

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4-TH	Pin Punch	1/8	C-10-TH	Cold Chisel	5/16
P-6-TH	Pin Punch	3/16	C-12-TH	Cold Chisel	3/8
P-8-TH	Pin Punch	1/4	C-16-TH	Cold Chisel	1/2
P-14-TH	Solid Punch	1/8	C-20-TH	Cold Chisel	5/8
P-15-TH	Solid Punch	5/32	C-24-TH	Cold Chisel	3/4
P-16-TH	Solid Punch	3/16	C-42-TH	Cape Chisel	1/4
P-25-TH	Long Taper Punch	5/32	C-62-TH	Diamond Point Chisel	3/8
P-28-TH	Long Taper Punch	1/4			
P-32-TH	Prick Punch	-			
P-40-TH	Center Punch	-			

Features

- Heavy duty construction for strength and durability.

USA Made in U.S.A.



PC-17-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
C-10-TH	1/4	5/16	5	0.07
C-12-TH	5/16	3/8	5 1/2	0.13
C-15-TH	3/8	7/16	6	0.20
C-16-TH	7/16	1/2	6	0.26
C-20-TH	1/2	5/8	6 1/2	0.33
C-24-TH	5/8	3/4	7	0.59
C-32-TH	7/8	1	8	1.28

Features

- The most commonly used chisels in the chisel line.
- For cutting, shaping and removing metal softer than the cutting edge of the chisel.

USA Made in U.S.A.



C-10-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CAPE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
C-42-TH	3/8	1/4	5	0.15

Features

- Designed for cutting or grooving keyholes or slots.

USA Made in U.S.A.



C-42-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT DIAMOND POINT CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Square Cut	Length (Inches)	Weight (lbs)
C-62-TH	5/8	3/8	7	.56

Features

- Designed for making a V-groove in metal and to clean out inside corners.

USA Made in U.S.A.



C-62-TH

WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



P-4-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PIN PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-4-TH	5/16	1/8	4 3/4	0.09
P-5-TH	5/16	5/32	5	0.10
P-6-TH	5/16	3/16	5 1/4	0.15
P-8-TH	3/8	1/4	5 3/4	0.17
P-10-TH	7/16	5/16	6	0.24

Features

- For driving out and removing already loosened pins and keys after initial movement by a solid or starter punch.

Made in U.S.A.



P-16-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT SOLID PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-14-TH	3/8	1/8	5	0.15
P-15-TH	3/8	5/32	5	0.15
P-16-TH	3/8	3/16	5	0.16
P-17-TH	1/2	1/4	5	0.16
P-18-TH	3/8	7/32	5	0.15

Features

- For loosening frozen or tight pins and keys or knocking out rivets.
- Also called starter punches because they are ideal for loosening frozen pins.

Made in U.S.A.



C-32-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PRICK PUNCHES

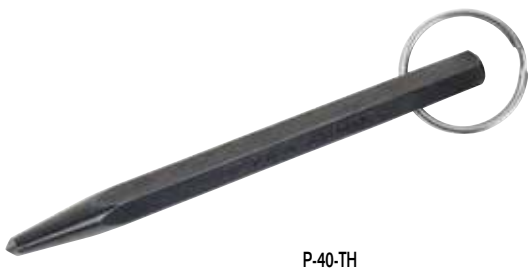
Heavy Duty Industrial Grade

Product Code	Stock Size	Length (Inches)	Weight (lbs)
P-32-TH	1/2	6	.28

Features

- For scribing lines into metal before cutting or riveting, and for punching starting holes for short metal screws.
- Point is more tapered than center punch.

Made in U.S.A.



P-40-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT CENTER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Weight (lbs)
P-38-TH	1/4	4	.05
P-39-TH	5/16	4 1/2	.08
P-40-TH	3/8	5	.09
P-42-TH	1/2	6	.07

Features

- Pierces or marks work by indentation for starting pilot drills in metal or other materials.

Made in U.S.A.

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT LONG TAPER PUNCHES

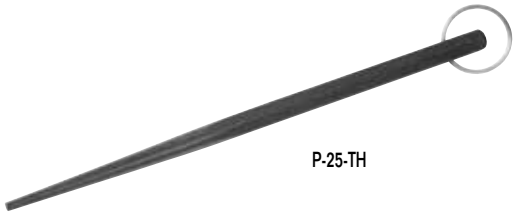
Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
P-25-TH	3/8	5/32	9	0.25
P-28-TH	5/8	1/4	12	0.82
P-28A-TH	3/4	1/4	15	1.50

Features

- Designed for aligning the holes in metal pieces through which rivets, bolts, or screws will be inserted.
- Not intended for driving pins as punch may become stuck in work.
- Also called line-up aligning or drift punches.

USA Made in U.S.A.



P-25-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PUNCH AND CHISEL HOLDER

Comfort Grip Handle

Product Code	Description	Weight (lbs)
28449-TH	7/8	0.50

Features

- Holds chisel and punch securely
- Protect user from hand injury

USA Made in U.S.A.



28449-TH

WILLIAMS® TOOLS @ HEIGHT DROP PREVENTION SYSTEM

TOOLS@HEIGHT PINCH BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size	Width of Flat (Inches)	Weight (lbs)
C-83-TH	19 5/8	3/4	7/8	2.32
C-84-TH	30	7/8	1	5.0

Features

- Used for aligning, prying and positioning.

USA Made in U.S.A.



C-83-TH

WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



FL1-TH

TOOLS@HEIGHT TETHERED FLASHLIGHT

Product Code	Description	Weight (lbs.)
FL1-TH	Tethered LED Flashlight	.65

Features
- White collimated beam is as bright as an incandescent flashlight
- Provides 10,000 hours of lamp life and extended battery burn time
- Class I, II, III Div. 1
- Groups ABCDFG operating temperature



SOTTHFSN25100

TOOLS@HEIGHT TORPEDO LEVEL

Product Code	Description	Weight (lbs.)
SOTTHFSN25100	10" Magnetic Torped Level	.52

Features
- Big, bright easy to read vials
- Heavy-duty, die-cast frame
- Certified Level accuracy; in top read position: (1/32" over 72")
- Level accuracy guaranteed for life; vials will never fog, leak or require adjustment
- Ideal for scaffolding as well as general construction and maintenance

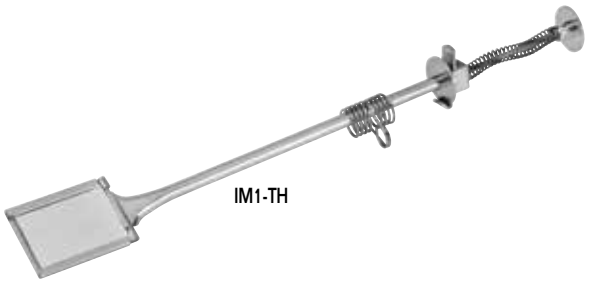


SOTTHTPMA25EM

TOOLS@HEIGHT TAPE MEASURE

Product Code	Description	Weight (lbs.)
SOTTHTPMA25EM	25' Tether-Ready Tape Measure	1.45

Features
- 1" x 25' / 7m tape measure with inch/metric scale

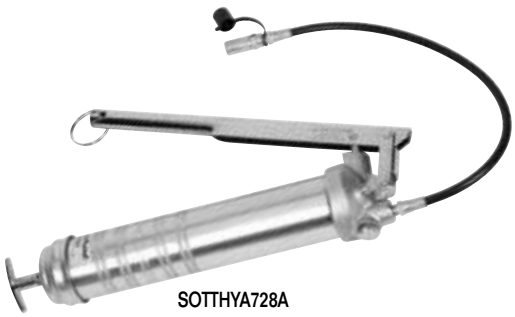


IM1-TH

TOOLS@HEIGHT INSPECTION MIRROR

Product Code	Description	Weight (lbs.)
IM1-TH	Tools@Height Tether-Ready Inspection Mirror	.25

Features
- Installed safety-coil can be tethered to prevent dropping
- Hinged rectangular glass mirror
- Mirror is 1-3/16" x 1-1/2"



SOTTHYA728A

TOOLS@HEIGHT GREASE GUN

Product Code	Description	Weight (lbs.)
SOTTHYA728A	Tools@Height Tether-Ready Grease Gun	4.14

Features
- Lever-operated large capacity gun develops 6,000 PSI
- Accepts 16 oz. bulk or 14-1/4 oz. cartridge grease
- Includes 18" flexible whip hose with coupler and 6" rigid extension

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

D-RINGS

Product Code	Description	Quantity
DR-0.5X2.25-10PK	D-Ring 0.5" X 2.25"	10
DR0.5X2.25-100PK	D-Ring 0.5" X 2.25"	100
DR-0.5X2.25NC-10PK	D-Ring 0.5" X 2.25" Non-Conductive	10
DR-0.5X2.25NC-100PK	D-Ring 0.5" X 2.25" Non-Conductive	100
DR-1X3.5-10PK	D-Ring 1" X 3.5"	10
DR-1X3.5-50PK	D-Ring 1" X 3.5"	50

Features

- D-Rings combined with Quick Wrap Tape can create attachment points on tools that are otherwise impossible to tether.
- Non-conductive variant also available (DR-0.5X2.25NC-10PK)
- Third-party load rated for 5 pounds and 2 pounds



DR-1X3.5
Max Load: 5 pounds



DR-0.5X2.25
Max Load: 2 pounds



DR-0.5X2.25NC
Max Load: 2 pounds

TOOL CINCH ATTACHMENTS

Product Code	Description	Max Load lbs.	Quantity
VR-ATTACHMD-10PK	Tool Cinch Medium Duty	35	10
VR-1ATTACHMD-10PK	Tool Cinch Single Wing Medium Duty	35	10
VR-2ATTACHMD-10PK	Tool Cinch Dual Wing Medium Duty	35	10
VR-2ATTACHHD	Tool Cinch Heavy Duty	80	10

Features

- Patent-pending Tool Cinch Attachment Points are third-party load rated for 35 pounds.
- The VR-1ATTACHMD and VR-2ATTACHMD feature stabilization wings that can be taped down using Quick Wrap Tape to create a strong connection that won't slide off a tool.
- With a Tool Cinch, it's possible to create attachment points on heavy, difficult to tether tools and equipment.
- The VR-ATTACHMD is perfect for tools with closed handles, or pre-drilled holes.
- The VR-1ATTACHMD is designed to be used with tools that do not have pre-drilled holes or closed handles. It can even be used on tools with triggers such as grinders, bandsaws, or drills.
- The VR-2ATTACHMD is intended to be used on long cylindrical tools where there is at least 5.5 inches of space available for the stabilization wings to be taped down.



VR-2ATTACHHD

Tool Cinch Attachment Points Max Loads:
Medium Duty: 35 pounds
Heavy Duty: 80 pounds



⚠ WARNING

Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



QS-XL QS-L QS-M QS-S



QS-PCOIL

QUICK SPINS

Product Code	Diameter (Inches)	Load Rating (Pounds)	Quantity
QS-S-10PK	0.6	1	10
QS-M-10PK	0.8	1	10
QS-L-10PK	1	1	10
QS-XL-10PK	1.2	1	10
QS-P-10PK	0.3	No Rated	10
QS-PCOIL-10PK	0.3	No Rated	10
QS-PM-10PK	0.5	No Rated	10
QS-PMCOIL-10PK	0.5	No Rated	10

Features

- The unique, patented Quick Spins accommodate a wide selection of tools, making them tether-ready in seconds
- Reusable, and suitable for non-conductive use, the tangle-resistant spin tops make Quick Spins an outstanding drop prevention solution that doesn't deface tools
- Body is made from a Thermoplastic Rubber and Polyester material (TPU), while the spin tops are made of polyacetal and black carbon (POM)



QW-HDYLW1

QUICK WRAP TAPE

Product Code	Length (Inches)	Width (Inches)	Color	Quantity
QW-HDBLU1	108	1	Blue	1
QW-HDBLU1-10PK	108	1	Blue	10
QW-HDBLU1-CASE	108	1	Blue	240
QW-HDBLU1X2	216	1	Blue	1
QW-HDGRN1	108	1	Green	1
QW-HDGRN1-10PK	108	1	Green	10
QW-HDGRN1-CASE	108	1	Green	240
QW-HDYLW1	108	1	Yellow	1
QW-HDYLW1-10PK	108	1	Yellow	10
QW-HDYLW1-CASE	108	1	Yellow	240

Features

- Quick Wrap Tape is made from a self-fusing silicone rubber, and features inner fiberglass webbing reinforcement.
- Quick Wrap Tape is intended to be used with D-Rings and Tool Cinch Attachment Points.



Tape is always used with D-Rings and cinches. Heat Shrink is added to make a more durable surface

HEAT SHRINK

Product Code	Length (Inches)	Diameter (Inches)	Quantity
HS-0.75X1.75-25PK	1.75	0.75	25
HS-1X1.75-25PK	1.75	1	25
HS-1.5X2-25PK	2	1.5	25
HS-1.5X3-25PK	3	1.5	25
HS-2X4-10PK	4	2	10
HS-3X4-10PK	4	3	10

Features

- Heat Shrink is used to create an even stronger connection that is more resistant to abrasives and harsh environments
- Links shrink 300% in size, while an inner adhesive securely fastens itself to whatever is being wrapped.

Tools not included

Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.

D-RING CORD

Product Code	Load Rating (Pounds)	Quantity
DR-CORD-10PK	5	10

Features
- The D-Ring cord (patent pending) easily cinches to tools weighing under 5 pounds, creating an instant attachment point for many tools

Tools not included



MICRO D-RING

Product Code	Quantity
DR-MICRO-10PK	10

Features
- The Micro D-Ring is an attachment point that can be used on small tools and equipment that are otherwise not possible to tether.
- The DR-MICRO is a flexible piece of ballistic plastic that can conform to the shape of many objects. A piece of industrial grade double-sided adhesive tape sticks to the bottom of the Micro D-Ring, allowing it to be attached to a clean surface.



QUICK RINGS

Product Code	Diameter (Inches)	Load Rating (Pounds)	Quantity
QR-00.75-25PK	0.75	2	25
QR-01-25PK	1	2	25
QR-01.5-25PK	1.5	2	25



⚠ WARNING Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.

WRENCHES

VARIETY IN STYLES AND SIZES TO ADDRESS MOST APPLICATIONS

• SUPERCOMBO® WRENCHES • UNIQUE TUBULAR HANDLE WRENCHES
• ADJUSTABLE WRENCHES • RATCHETING COMBINATION WRENCHES

UNIQUE DESIGN FEATURES FOR EXTRA STRENGTH, EASY ACCESS AND COMFORT

• SPECIALLY DESIGNED GROOVES IN THE SUPERCOMBO® OPEN ENDS DIRECT FORCE AWAY FROM CORNERS
• SUPERTORQUE® BOX OPENING DESIGN ALLOWS HIGHER TORQUE WITHOUT ROUNDING OR DEFORMING FASTENER CORNERS
• ROUND EDGE PROFILES PROVIDE A MORE COMFORTABLE GRIP TO APPLY MORE FORCE
• SATIN CHROME TEXTURED FINISH PROVIDES GREAT FEEL AND EXTRA GRIPPING POWER

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



SLUGGING WRENCH RETAINERS P.204

COMBINATION RATCHETING WRENCHES P.180

FRAC PUMP WRENCH P.203

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

Wrenches



Supercombo® Wrenches

- Open End: SUPERCOMBO® open end has specially designed grooves that contact fasteners on the flats and direct force away from corners, eliminating corner rounding. A 45˚ chamfer on the jaw tips allow for easy fastener insertion.
- Handle: Round edge profiles eliminate sharp edges, providing a more comfortable grip to apply more force. Large stamp size in the handle allows for quick and easy identification.
- Box End: SUPERTORQUE® lobular box design prevents rounding of the nuts and bolt heads by providing "no contact" clearance of the corners while applying all of the wrenching force (torque) on the flat surfaces behind the corner points. Box end chamfer is designed for quick, positive placement on the fastener.

Unique Tubular Handle Wrenches

- Wrenches may be used without the handle to quickly run down nuts. The handle can then be slipped on for final tightening or to reach otherwise inaccessible nuts.
- A "stop" on the wrench shaft helps to align locking button with handle hole.
- Offset box design provides turning clearance for hands above work surface.
- Continuous arc design distributes stress over the entire wrench opening radius for greater strength.
- Available in 3 styles — offset box, straight box and open end.
- Interchangeable handle lengths — 13", 24" and 36".
- Large size ranges from ¾" to 3 ⅛" (depending upon style).





Adjustable Wrenches

- Snap-on Industrial Brands offers the largest variety of adjustable wrenches in the industry: ergonomically designed, Big Mouth, combination adjustable pipe wrench, construction; chrome and black finish, comfort grip and standard handles.
- All models thru 18" feature measurement scale on head that conveniently shows fastener size.

Ratcheting Combination Wrenches

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- SUPERTORQUE® corners on box ends provide extra turning power.
- Available in Standard, Flex-Head and Stubby styles to suit every need.
- Fine tooth design with dual-pawl mechanism for extra strength.
- Flex-Head models feature 90 degree pivot in either direction.
- Stubby models feature extra short handles for access in tight areas.

WILLIAMS®

SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

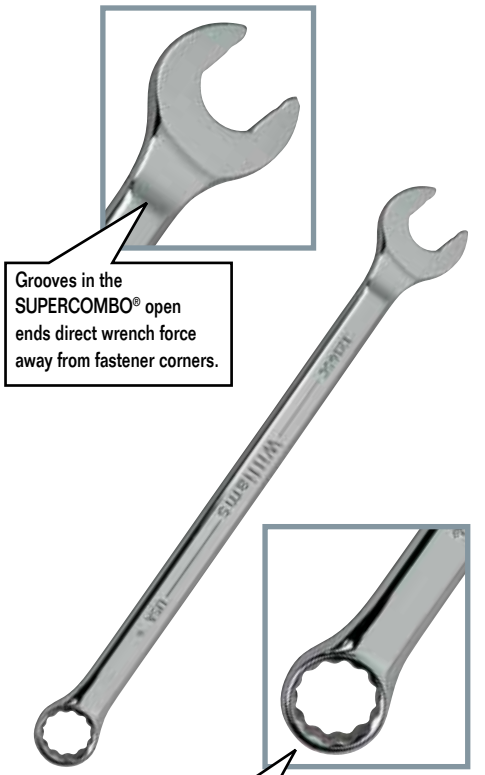
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208SC +	1/4	4 1/4	9/16	1/8	13/32	3/16
1210SC +	5/16	5 3/4	11/16	5/32	1/2	7/32
1211SC +	11/32	6 1/4	3/4	3/16	9/16	1/4
1212SC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214SC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216SC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218SC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220SC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222SC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224SC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226SC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228SC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230SC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232SC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234SC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236SC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1238SC ++	1 3/16	16 1/4	2 17/32	17/32	1 23/32	3/4
1240SC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242 **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244 **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246 **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248 **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178A **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180 **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182 **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184 **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186 **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188 **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190 **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191 **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192 **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193 **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194 **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195 **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197 **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198 *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198A *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198B *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198C *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199 *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199A *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199B *	3 3/8	31 3/8	6 5/8	1 7/32	4 7/8	1 5/8
1199C *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ High Polish Chrome Finish with SUPERTORQUE® Box End.
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End.
** Satin Chrome Finish with SUPERTORQUE® Box End and Standard Open End.
* Satin Chrome Finish with Standard Open and Box Ends.
Fed. Spec.: ANSI B107.6; SAE AS 954

USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.





⚠ WARNING



WS-1170SCA



WS-1171SCA



WS-1175

WILLIAMS®

12 F

SUPERCOMBO® WRENCH SETS

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE
Set Contents:

Product Code	Size (Inches)	WS-1170SCA 7-Piece Set in Pouch	WS-1171SCA 11-Piece Set in Pouch	WS-1172SCA 15-Piece Set in Pouch	WS-1190SCA 26-Piece Set	WS-1174TA 10-Piece Set	WS-1175 6-Piece Set	WS-1176* 16-Piece Set	WS-1191SC* 32-Piece Set
1208SC	1/4				X				X
1210SC	5/16			X	X				X
1212SC	3/8	X	X	X	X				X
1214SC	7/16	X	X	X	X				X
1216SC	1/2	X	X	X	X				X
1218SC	9/16	X	X	X	X				X
1220SC	5/8	X	X	X	X				X
1222SC	11/16	X	X	X	X				X
1224SC	3/4	X	X	X	X				X
1226SC	13/16		X	X	X				X
1228SC	7/8		X	X	X				X
1230SC	15/16		X	X	X				X
1232SC	1		X	X	X				X
1234SC	1 1/16			X	X				X
1236SC	1 1/8			X	X				X
1240SC	1 1/4			X	X				X
1242	1 5/16				X	X		X	X
1244	1 3/8				X	X		X	X
1246	1 7/16				X	X		X	X
1248	1 1/2				X	X		X	X
1180	1 5/8				X	X		X	X
1182	1 11/16				X	X		X	X
1184	1 3/4				X	X		X	X
1186	1 13/16				X	X		X	X
1188	1 7/8				X	X		X	X
1190	2				X	X		X	X
1191	2 1/16						X	X	X
1192	2 1/8						X	X	X
1193	2 3/16						X	X	X
1194	2 1/4						X	X	X
1195	2 3/8						X	X	X
1197	2 1/2						X	X	X

*NOT PICTURED

USA Made in U.S.A.



WS-1174TA



WS-1172SCA



WS-1190SCA

WILLIAMS®

SUPERCOMBO® COMBINATION WRENCHES

Black Industrial Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210BSC +	5/16	5 3/4	11/16	5/32	1/2	7/32
1212BSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214BSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216BSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218BSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220BSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222BSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224BSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226BSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228BSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230BSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232BSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234BSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236BSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240BSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242B **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244B **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246B **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248B **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178AB **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180B **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182B **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184B **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186B **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188B **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190B **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191B **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192B **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193B **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194B **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195B **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197B **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198BL *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198ABL *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198BBL *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198CBL *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BL *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199ABL *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BBL *	3 3/8	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8
1199CBL *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ Black Industrial Finish with SUPERTORQUE® Box End
++ Black Industrial Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
** Black Industrial Finish with SUPERTORQUE® Box End and standard open end
* Satin Chrome Finish with Standard Open and Box Ends
Fed. Spec.: ANSI B107.6; SAE AS 954

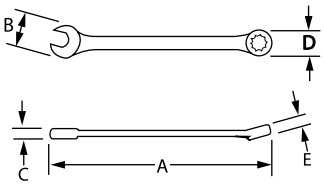
Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



1216BSC



⚠ WARNING



WS-1170BSC



WS-1171BSC



WS-1172BSC

WILLIAMS®

SUPERCOMBO® WRENCH SETS

Black Industrial Finish, 12 Point, SAE
Set Contents

Product Code	Size (Inches)	WS-1170BSC 7-Piece Set in Pouch	WS-1171BSC 11-Piece Set in Pouch	WS-1172BSC 15-Piece Set in Pouch	WS-1190BSC 26-Piece Set	WS-1174BTA 11- Piece Set
1210BSC	5/16			X	X	
1212BSC	3/8	X	X	X	X	
1214BSC	7/16	X	X	X	X	
1216BSC	1/2	X	X	X	X	
1218BSC	9/16	X	X	X	X	
1220BSC	5/8	X	X	X	X	
1222BSC	11/16	X	X	X	X	
1224BSC	3/4	X	X	X	X	
1226BSC	13/16		X	X	X	
1228BSC	7/8		X	X	X	
1230BSC	15/16		X	X	X	
1232BSC	1		X	X	X	
1234BSC	1 1/16			X	X	
1236BSC	1 1/8			X	X	
1240BSC	1 1/4			X	X	
1242B	1 5/16				X	X
1244B	1 3/8				X	X
1246B	1 7/16				X	X
1248B	1 1/2				X	X
1178AB	1 9/16				X	X
1180B	1 5/8				X	X
1182B	1 11/16				X	X
1184B	1 3/4				X	X
1186B	1 13/16				X	X
1188B	1 7/8				X	X
1190B	2				X	X

Made in U.S.A.



WS-1174BTA



WS-1190BSC

WILLIAMS®

12 M

SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1206MSC +	6	4 27/32	9/16	1/8	13/32	3/16
1207MSC ++	7	5 5/16	5/8	5/32	15/32	7/32
1208MSC ++	8	5 25/32	23/32	5/32	1/2	7/32
1209MSC ++	9	6 9/32	13/16	3/16	9/16	1/4
1210MSC ++	10	6 3/4	7/8	3/16	5/8	9/32
1211MSC ++	11	7 1/4	31/32	7/32	11/16	5/16
1212MSC ++	12	7 11/16	1 1/32	7/32	3/4	5/16
1213MSC ++	13	8 1/32	1 1/8	1/4	25/32	11/32
1214MSC ++	14	8 5/8	1 7/32	1/4	27/32	3/8
1215MSC ++	15	9 3/32	1 9/32	9/32	29/32	13/32
1216MSC ++	16	9 1/2	1 3/8	9/32	15/16	13/32
1217MSC ++	17	10 1/16	1 15/32	5/16	1	7/16
1218MSC ++	18	10 17/32	1 17/32	5/16	1 1/16	15/32
1219MSC ++	19	11 1/32	1 5/8	11/32	1 1/8	1/2
1220MSC ++	20	11 1/2	1 23/32	3/8	1 3/16	1/2
1221MSC ++	21	11 25/32	1 3/4	3/8	1 7/32	17/32
1222MSC ++	22	12 1/2	1 29/32	13/32	1 5/16	9/16
1223MSC ++	23	12 7/8	1 31/32	7/16	1 11/32	9/16
1224MSC ++	24	13 9/32	2	7/16	1 3/8	19/32
1225MSC ++	25	14 1/32	2 5/32	15/32	1 15/32	5/8
1226MSC +	26	14 5/16	2 3/16	1/2	1 1/2	21/32
1227MSC +	27	14 25/32	2 9/32	1/2	1 9/16	11/16
1229MSC +	29	15 17/32	2 13/32	17/32	1 21/32	23/32
1230MSC +	30	16 9/32	2 17/32	17/32	1 3/4	3/4
1232MSC +	32	17 1/32	2 11/16	9/16	1 13/16	3/4
1234MSC +	34	17 25/32	2 13/16	19/32	1 29/32	3/4
1236MSC +	36	19 9/32	3 1/16	21/32	2 3/32	7/8

+ High Polish Chrome Finish with SUPERTORQUE® Box End
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6; SAE AS 954

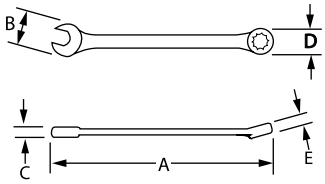
USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.




1232MSC



WARNING

WILLIAMS

12 M

SUPERCOMBO® WRENCH SETS

High Polish Chrome Finish, 12 Point, Metric
Set Contents:

Product Code	Size (MM)	MWS-1B 8-Piece Set in Pouch	MWS-5A 10-Piece Set in Pouch	MWS-10A 10-Piece Set in Pouch	MWS-15A 15-Piece Set in Pouch	MWS-18A 18-Piece Set in Pouch	MWS-6A 10-Piece Set in Pouch	MWS-27TA* 27-Piece Set
1206MSC	6	X						X
1207MSC	7	X	X		X	X		X
1208MSC	8	X	X		X	X		X
1209MSC	9	X	X		X	X		X
1210MSC	10	X	X	X	X	X		X
1211MSC	11	X	X	X	X	X		X
1212MSC	12	X	X	X	X	X		X
1213MSC	13	X	X	X	X	X		X
1214MSC	14		X	X	X	X		X
1215MSC	15		X	X	X	X		X
1216MSC	16			X	X	X		X
1217MSC	17		X	X	X	X		X
1218MSC	18			X	X	X	X	X
1219MSC	19			X	X	X	X	X
1220MSC	20				X	X		X
1221MSC	21				X	X	X	X
1222MSC	22					X	X	X
1223MSC	23					X		X
1224MSC	24					X	X	X
1225MSC	25							X
1226MSC	26							X
1227MSC	27						X	X
1229MSC	29							X
1230MSC	30						X	X
1232MSC	32						X	X
1234MSC	34						X	X
1236MSC	36						X	X



MWS-1B

*NOT PICTURED

USA Made in U.S.A.



MWS-5A



MWS-10A



MWS-15A



MWS-18A



MWS-6A

WILLIAMS®

12 F

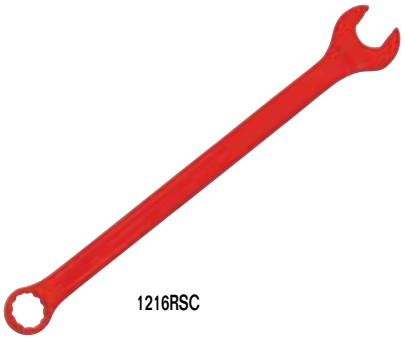
SUPERCOMBO® COMBINATION WRENCHES

High Visibility Red Finish, 12 Point, SAE

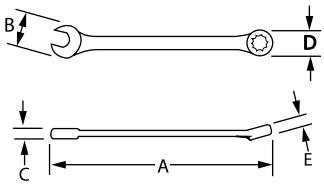
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1212RSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214RSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216RSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218RSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220RSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222RSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224RSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226RSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228RSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230RSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232RSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234RSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236RSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240RSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Red Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

Fed. Spec.: ANSI B107.6



1216RSC



WS-1170RSC 7 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1218RSC	9/16	1224RSC	3/4
1214RSC	7/16	1220RSC	5/8	Pouch	
1216RSC	1/2	1222RSC	11/16		



WS-1170RSC

WS-1171RSC 11 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1220RSC	5/8	1228RSC	7/8
1214RSC	7/16	1222RSC	11/16	1230RSC	15/16
1216RSC	1/2	1224RSC	3/4	1232RSC	1
1218RSC	9/16	1226RSC	13/16	Pouch	



WS-1171RSC

WS-1172RSC 14 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212RSC	3/8	1222RSC	11/16	1232RSC	1
1214RSC	7/16	1224RSC	3/4	1234RSC	1 1/16
1216RSC	1/2	1226RSC	13/16	1236RSC	1 1/8
1218RSC	9/16	1228RSC	7/8	1240RSC	1 1/4
1220RSC	5/8	1230RSC	15/16	Pouch	



WS-1172RSC

Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.

⚠ WARNING



1216YSC



WS-1170YSC



WS-1171YSC



WS-1172YSC

WILLIAMS®

12 F

SUPERCOMBO® COMBINATION WRENCHES

High Visibility Yellow Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1212YSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214YSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216YSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218YSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220YSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222YSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224YSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226YSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228YSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230YSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232YSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234YSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236YSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240YSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Yellow Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

Fed. Spec.: ANSI B107.6

WS-1170YSC 7 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1218YSC	9/16	1224YSC	3/4
1214YSC	7/16	1220YSC	5/8	Pouch	
1216YSC	1/2	1222YSC	11/16		

WS-1171YSC 11 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1220YSC	5/8	1228YSC	7/8
1214YSC	7/16	1222YSC	11/16	1230YSC	15/16
1216YSC	1/2	1224YSC	3/4	1232YSC	1
1218YSC	9/16	1226YSC	13/16	Pouch	

WS-1172YSC 14 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212YSC	3/8	1222YSC	11/16	1232YSC	1
1214YSC	7/16	1224YSC	3/4	1234YSC	1 1/16
1216YSC	1/2	1226YSC	13/16	1236YSC	1 1/8
1218YSC	9/16	1228YSC	7/8	1240YSC	1 1/4
1220YSC	5/8	1230YSC	15/16	Pouch	

USA Made in U.S.A.

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.

WILLIAMS 12 F

COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11208	1/4	5 1/8	9/16	5/32	7/16	7/32
11210	5/16	5 3/4	23/32	3/16	17/32	9/32
11212	3/8	6 1/2	13/16	3/16	5/8	5/16
11214	7/16	7 1/4	31/32	7/32	11/16	5/16
11216	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11218	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11220	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11222	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11224	3/4	11	1 5/8	3/8	1 3/32	1/2
11226	13/16	12	1 25/32	13/32	1 5/16	9/16
11228	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11230	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11232	1	14	2 3/32	7/16	1 1/2	11/16
11234	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11236	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11240	1 1/4	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954


11216


11003

11003 9 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11214	7/16	11220	5/8
11210	5/16	11216	1/2	11222	11/16
11212	3/8	11218	9/16	11224	3/4


11007

11007 11 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11212	3/8	11220	5/8	11228	7/8
11214	7/16	11222	11/16	11230	15/16
11216	1/2	11224	3/4	11232	1
11218	9/16	11226	13/16		


11008

11008 14 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4		
11214	7/16	11226	13/16		
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		

11009 16 Piece Combination Wrench Set, 12 Point, SAE, in Pouch

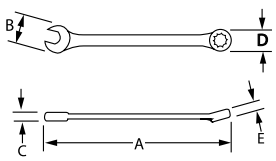
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4	11236	1 1/8
11214	7/16	11226	13/16	11240	1 1/4
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		


11009

Features

- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a pouch.



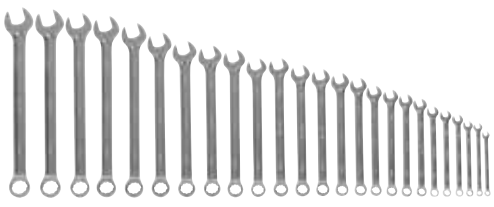



11610


11011


11013


11015


11017

WILLIAMS 12 M

COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11606	6	5 1/8	9/16	5/32	7/16	7/32
11607	7	5 3/8	21/32	5/32	1/2	1/4
11608	8	5 3/4	23/32	3/16	17/32	9/32
11609	9	6 1/2	13/16	7/32	19/32	5/16
11610	10	6 3/4	7/8	7/32	5/8	5/16
11611	11	7 1/4	31/32	7/32	11/16	5/16
11612	12	7 3/4	1	7/32	3/4	11/32
11613	13	8 1/8	1 3/32	1/4	25/32	3/8
11614	14	8 3/4	1 7/32	1/4	7/8	3/8
11615	15	9 1/8	1 9/32	9/32	29/32	13/32
11616	16	9 1/2	1 11/32	9/32	31/32	7/16
11617	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11618	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11619	19	11	1 21/32	11/32	1 1/8	1/2
11620	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11621	21	12	1 25/32	13/32	1 5/16	9/16
11622	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11623	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11624	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11625	25	14	2 5/32	7/16	1 1/2	11/16
11626	26	14	2 5/32	7/16	1 1/2	11/16
11627	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11629	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11630	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11632	32	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11011 9 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11609	9	11612	12
11607	7	11610	10	11613	13
11608	8	11611	11	11614	14

11013 14 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11611	11	11616	16
11607	7	11612	12	11617	17
11608	8	11613	13	11618	18
11609	9	11614	14	11619	19
11610	10	11615	15		

11015 19 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11613	13	11620	20
11607	7	11614	14	11621	21
11608	8	11615	15	11622	22
11609	9	11616	16	11623	23
11610	10	11617	17	11624	24
11611	11	11618	18		
11612	12	11619	19		

11017 25 Piece Combination Wrench Set, 12 Point, Metric, in Pouch
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11615	15	11623	23
11607	7	11616	16	11624	24
11608	8	11617	17	11625	25
11609	9	11618	18	11626	26
11610	10	11619	19	11627	27
11611	11	11620	20	11629	29
11612	12	11621	21	11630	30
11613	13	11622	22	11632	32
11614	14				

Features
- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in pouch.

WILLIAMS

COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11108	1/4	5 1/8	9/16	5/32	7/16	7/32
11110	5/16	5 3/4	23/32	3/16	17/32	9/32
11112	3/8	6 1/2	13/16	3/16	5/8	5/16
11114	7/16	7 1/4	31/32	7/32	11/16	5/16
11116	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11118	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11120	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11122	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11124	3/4	11	1 5/8	3/8	1 3/32	1/2
11126	13/16	12	1 25/32	13/32	1 5/16	9/16
11128	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11130	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11132	1	14	2 3/32	7/16	1 1/2	11/16
11134	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11136	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11140	1 1/4	17	2 17/32	9/16	1 3/4	3/4
11142	1 5/16	18 1/2	2 3/4	1/2	2	11/16
11144	1 3/8	18 1/2	2 3/4	1/2	2	11/16
11146	1 7/16	20	3	1/2	2 3/16	3/4
11148	1 1/2	20	3	1/2	2 3/16	3/4
11150	1 9/16	21 5/8	3 1/4	1/2	2 3/8	3/4
11152	1 5/8	21 5/8	3 1/4	1/2	2 3/8	3/4
11154	1 11/16	21 5/8	3 1/4	1/2	2 3/8	3/4
11156	1 3/4	24	3 3/8	11/16	2 1/2	3/4
11158	1 13/16	24	3 3/8	11/16	2 1/2	3/4
11160	1-7/8	25 1/2	3 3/4	3/4	2 7/8	7/8
11164	2	25 1/2	3 3/4	3/4	2 7/8	7/8

Fed. Spec.: ANSI B107.6; SAE AS 954

Combination Wrenches Set Contents Include:

Product Code	Size (Inches)	11002 9 Piece Set in Pouch	11004 11 Piece Set in Pouch	11005 14 Piece Set in Pouch	11006 16 Piece Set in Pouch	11019* 11 Piece Set
11108	1/4	X		X	X	
11110	5/16	X		X	X	
11112	3/8	X	X	X	X	
11114	7/16	X	X	X	X	
11116	1/2	X	X	X	X	
11118	9/16	X	X	X	X	
11120	5/8	X	X	X	X	
11122	11/16	X	X	X	X	
11124	3/4	X	X	X	X	
11126	13/16		X	X	X	
11128	7/8		X	X	X	
11130	15/16		X	X	X	
11132	1		X	X	X	
11134	1 1/16			X	X	
11136	1 1/8				X	
11140	1 1/4				X	
11142	1 5/16					X
11144	1 3/8					X
11146	1 7/16					X
11148	1 1/2					X
11150	1 9/16					X
11152	1 5/8					X
11154	1 11/16					X
11156	1 3/4					X
11158	1 13/16					X
11160	1 7/16					X
11164	2					X

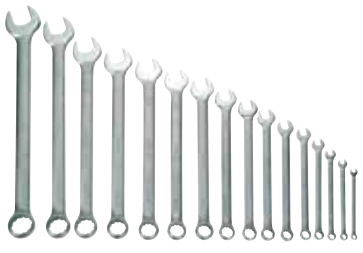
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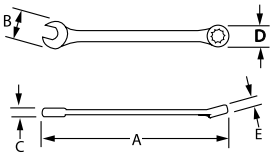

11116


11002


11004


11005


11006



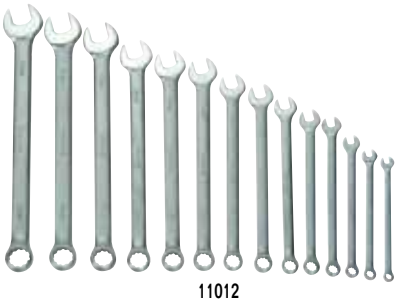
⚠ WARNING



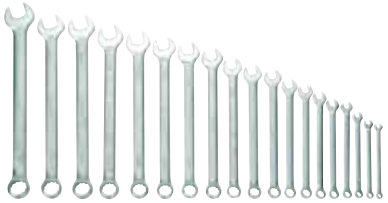
11510



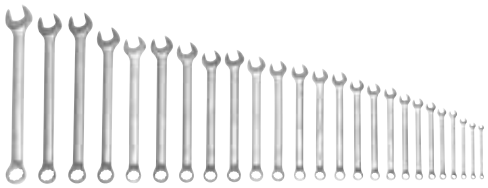
11010



11012



11014



11016

WILLIAMS

COMBINATION WRENCHES

Satin Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11506	6	5 1/8	9/16	5/32	7/16	7/32
11507	7	5 3/8	21/32	5/32	1/2	1/4
11508	8	5 3/4	23/32	3/16	17/32	9/32
11509	9	6 1/2	13/16	7/32	19/32	5/16
11510	10	6 3/4	7/8	7/32	5/8	5/16
11511	11	7 1/4	31/32	7/32	11/16	5/16
11512	12	7 3/4	1	7/32	3/4	11/32
11513	13	8 1/8	1 3/32	1/4	25/32	3/8
11514	14	8 3/4	1 7/32	1/4	7/8	3/8
11515	15	9 1/8	1 9/32	9/32	29/32	13/32
11516	16	9 1/2	1 11/32	9/32	31/32	7/16
11517	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11518	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11519	19	11	1 21/32	11/32	1 1/8	1/2
11520	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11521	21	12	1 25/32	13/32	1 5/16	9/16
11522	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11523	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11524	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11525	25	14	2 5/32	7/16	1 1/2	11/16
11526	26	14	2 5/32	7/16	1 1/2	11/16
11527	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11529	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11530	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11532	32	17	2 17/32	9/16	1 3/4	3/4
11533	33	18 1/2	2 3/4	1/2	2	11/16
11534	34	18 1/2	2 3/4	1/2	2	11/16
11535	35	18 1/2	2 3/4	1/2	2	11/16
11536	36	20	3	1/2	2 3/16	3/4
11538	38	20	3	1/2	2 3/16	3/4
11540	40	21 5/8	3 1/4	1/2	2 3/8	3/4
11541	41	21 5/8	3 1/4	1/2	2 3/8	3/4
11542	42	21 5/8	3 1/4	1/2	2 3/8	3/4
11543	43	21 5/8	3 1/4	1/2	2 3/8	3/4
11545	45	24	3 3/8	11/16	2 1/2	3/4
11546	46	24	3 3/8	11/16	2 1/2	3/4
11548	48	25 1/2	3 3/4	3/4	2 7/8	7/8
11550	50	25 1/2	3 3/4	3/4	2 7/8	7/8

Fed. Spec.: ANSI B107.6; SAE AS 954

Combination Wrenches Set
Contents Include:

Product Code	Size (MM)	11010 9 Piece Set in Pouch	11012 14 Piece Set in Pouch	11014 19 Piece Set In Pouch	11016 25 Piece Set In Pouch	11018* 13 Piece Set
11506	6	X	X	X	X	
11507	7	X	X	X	X	
11508	8	X	X	X	X	
11509	9	X	X	X	X	
11510	10	X	X	X	X	
11511	11	X	X	X	X	
11512	12	X	X	X	X	
11513	13	X	X	X	X	
11514	14	X	X	X	X	
11515	15		X	X	X	
11516	16		X	X	X	
11517	17		X	X	X	
11518	18		X	X	X	
11519	19		X	X	X	
11520	20			X	X	
11521	21			X	X	
11522	22			X	X	
11523	23			X	X	
11524	24			X	X	
11525	25				X	
11526	26				X	
11527	27				X	
11529	29				X	
11530	30				X	
11532	32				X	
11533	33					X
11534	34					X
11535	35					X
11536	36					X
11538	38					X
11540	40					X
11541	41					X
11542	42					X
11543	43					X
11545	45					X
11546	46					X
11548	48					X
11550	50					X

*NOT PICTURED

WILLIAMS

OFFSET COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point Offset Box End, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11950	1/4	3 3/4	9/16	5/32	13/32	5/32
11951	5/16	4 1/2	11/16	3/16	1/2	7/32
11970	11/32	5	25/32	3/16	17/32	1/4
11952	3/8	5	25/32	3/16	9/16	1/4
11953	7/16	5 3/4	15/16	3/16	5/8	1/4
11954	1/2	6 3/4	1 1/8	7/32	23/32	5/16
11955	9/16	7 1/4	1 7/32	1/4	13/16	3/8
11956	5/8	8 1/8	1 3/8	1/4	29/32	3/8
11957	11/16	8 3/4	1 7/16	9/32	31/32	13/32
11958	3/4	9 5/8	1 5/8	5/16	1 1/16	15/32
11959	13/16	10 1/2	1 21/32	5/16	1 5/32	15/32
11960	7/8	10 1/2	1 7/8	11/32	1 9/32	1/2
11961	15/16	11 3/4	2 1/32	11/32	1 11/32	9/16
11962	1	13	2 5/32	11/32	1 7/16	19/32
11963	1 1/16	13	2 9/32	3/8	1 17/32	5/8
11964	1 1/8	14 1/2	2 13/32	3/8	1 19/32	11/16
11965	1 1/4	15 1/4	2 21/32	7/16	1 25/32	23/32
11966	1 5/16	16 1/4	2 13/16	15/32	1 7/8	25/32
11967	1 3/8	16 3/8	2 13/16	15/32	1 7/8	25/32
11968	1 7/16	17	3 1/16	9/16	2 1/8	7/8
11969	1 1/2	17	3 1/16	17/32	2 3/32	27/32



11954

11990 9 Piece Offset Combination Wrench Set, 12 Point, SAE, in Pouch

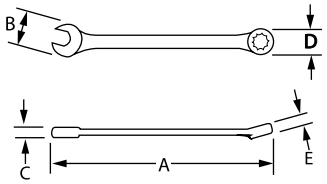
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11952	3/8	11955	9/16	11958	3/4
11953	7/16	11956	5/8	11959	13/16
11954	1/2	11957	11/16	11960	7/8

Features

- Unique 15° offset box end provides extra knuckle clearance.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.
- Includes pouch


11990







11316



11030

WILLIAMS 12 F

STUBBY COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11310	5/16	3 9/16	11/16	5/32	1/2	7/16
11312	3/8	3 3/4	13/16	3/16	19/32	1/2
11314	7/16	3 15/16	15/16	7/32	21/32	9/16
11316	1/2	4 1/4	1 1/16	1/4	3/4	11/16
11318	9/16	4 1/2	1 3/16	9/32	27/32	3/4
11320	5/8	4 3/4	1 5/16	9/32	15/16	13/16
11322	11/16	5	1 7/16	5/16	1 1/32	7/8
11324	3/4	5 7/16	1 9/16	11/32	1 1/8	15/16

Fed. Spec.: ANSI B107.6

11030 7 Piece Stubby Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11312	3/8	11318	9/16	11324	3/4
11314	7/16	11320	5/8		
11316	1/2	11322	11/16		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.



11714



11032

WILLIAMS 12 M

STUBBY COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
11708	8	3 1/2	11/16	5/32	1/2	7/16
11710	10	3 3/4	13/16	7/32	19/32	1/2
11711	11	3 15/16	15/16	7/32	21/32	9/16
11712	12	4 1/16	1	1/4	21/32	5/8
11713	13	4 1/4	1 1/16	1/4	25/32	11/16
11714	14	4 1/2	1 1/8	9/32	27/32	11/16
11715	15	4 5/8	1 1/4	9/32	29/32	3/4
11716	16	4 3/4	1 5/16	5/16	15/16	13/16
11717	17	5	1 3/8	5/16	1	7/8
11718	18	5 3/16	1 7/16	5/16	1 1/32	7/8
11719	19	5 7/16	1 9/16	5/16	1 1/8	15/16

Fed. Spec.: ANSI B107.9M

11032 7 Piece Stubby Combination Wrench Set, 12 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11710	10	11714	14	11718	18
11712	12	11715	15		
11713	13	11717	17		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.

WILLIAMS®

FLEX-HEAD COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point Flex-Head Semi-Deep Socket End, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Socket Diameter (Inches)	E Hex Depth (Inches)
11900	3/8	7	15/16	7/32	9/16	1/2
11901	7/16	7	15/16	7/32	5/8	17/32
11902	1/2	8	1 15/16	1/4	25/32	19/32
11903	9/16	8 3/4	1 9/32	1/4	13/16	21/32
11904	5/8	9 3/4	1 15/32	9/32	14/16	3/4
11905	11/16	9 3/4	1 15/32	9/32	15/16	3/4
11906	3/4	10 3/4	1 19/32	1/4	1	25/32


11900

11940 7 Piece Flex-Head Combination Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
11900	3/8	11903	9/16	11906	3/4
11901	7/16	11904	5/8		
11902	1/2	11905	11/16		


11940

Features

- Unique semi-deep socket end provides extra bolt clearance.
- High-polished chrome finish cleans easily.
- 12 point socket end provides maximum versatility.
- Recessed corners in socket end provide extra turning power.
- Includes pouch

WILLIAMS®

DOUBLE FLEX-HEAD WRENCHES

High Polish Chrome Finish, 12 Point Flex-Head Semi-Deep Socket End, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Socket Diameter (Inches)	C Hex Depth (Inches)	D Socket Diameter (Inches)	E Hex Depth (Inches)
12601	3/8 x 7/16	7 13/16	9/16	15/32	5/8	17/32
12603	1/2 x 9/16	9 3/4	23/32	5/8	13/16	21/32
12605	5/8 x 11/16	10	27/32	23/32	15/16	3/4
12607	3/4 x 7/8	12	1	3/4	1 5/32	29/32


12607

12691 4 Piece Double Flex-Head Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
12601	3/8 x 7/16	12605	5/8 x 11/16
12603	1/2 x 9/16	12607	3/4 x 7/8


12691

Features

- Unique semi-deep socket end provides extra bolt clearance.
- High-polished chrome finish cleans easily.
- 12 point socket end provides maximum versatility.
- Recessed corners in socket end provide extra turning power.

⚠ WARNING



1216RCF



WS-1168RCF

WILLIAMS®

FLEX-HEAD REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210RCF	5/16	5 1/2	23/32	5/32	23/32	1/4
1212RCF	3/8	6 5/16	29/32	7/32	7/8	5/16
1214RCF	7/16	6 11/16	31/32	7/32	29/32	11/32
1216RCF	1/2	7 1/4	1 1/32	1/4	1	13/32
1218RCF	9/16	7 19/32	1 3/16	1/4	1 3/32	13/32
1220RCF	5/8	8 13/32	1 3/8	9/32	1 1/4	7/16
1222RCF	11/16	9	1 15/32	9/32	1 9/32	1/2
1224RCF	3/4	10	1 9/16	11/32	1 15/32	1/2

WS-1168RCF 8 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RCF	5/16	1216RCF	1/2	1222RCF	11/16
1212RCF	3/8	1218RCF	9/16	1224RCF	3/4
1214RCF	7/16	1220RCF	5/8		

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



1213MRCF



MWS-12RCF

WILLIAMS®

FLEX-HEAD REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208MRCF	8	5 9/16	23/32	5/32	23/32	9/32
1209MRCF	9	6	13/16	5/32	25/32	5/16
1210MRCF	10	6 5/16	29/32	7/32	27/32	5/16
1211MRCF	11	6 3/4	31/32	7/32	29/32	11/32
1212MRCF	12	7	1 1/32	7/32	31/32	3/8
1213MRCF	13	7 11/16	1 1/16	1/4	1	13/32
1214MRCF	14	7 19/32	1 3/16	1/4	1 3/32	13/32
1215MRCF	15	8	1 1/4	9/32	1 5/32	7/16
1216MRCF	16	8 5/16	1 3/8	9/32	1 7/32	7/16
1217MRCF	17	9	1 15/32	9/32	1 9/32	1/2
1218MRCF	18	9 1/2	1 9/16	5/16	1 3/8	1/2
1219MRCF	19	10	1 9/16	11/32	1 15/32	17/32

MWS-12RCF 12 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCF	8	1212MRCF	12	1216MRCF	16
1209MRCF	9	1213MRCF	13	1217MRCF	17
1210MRCF	10	1214MRCF	14	1218MRCF	18
1211MRCF	11	1215MRCF	15	1219MRCF	19

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

WILLIAMS

12 F

REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208RC	1/4	4 1/2	21/32	5/32	21/32	9/32
1210RC	5/16	5 1/4	23/32	5/32	23/32	9/32
1212RC	3/8	6 1/4	7/8	3/16	7/8	5/16
1214RC	7/16	6 5/8	15/16	7/32	29/32	11/32
1216RC	1/2	7	1 1/32	1/4	1	13/32
1218RC	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32
1220RC	5/8	8 7/32	1 11/32	9/32	1 7/32	7/16
1222RC	11/16	9	1 7/16	9/32	1 11/16	1/2
1224RC	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32
1226RC	13/16	10 1/2	1 23/32	3/8	1 9/16	17/32
1228RC	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32
1230RC	15/16	12	1 31/32	15/32	1 27/32	5/8
1232RC	1	13	2 3/32	15/32	1 7/8	5/8

WS-1168RC 8 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RC	5/16	1216RC	1/2	1222RC	11/16
1212RC	3/8	1218RC	9/16	1224RC	3/4
1214RC	7/16	1220RC	5/8		

WS-1164RC 4 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
1226RC	13/16	1230RC	15/16
1228RC	7/8	1232RC	1

Features

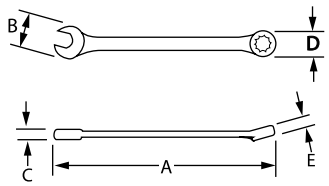
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



1226RC


WS-1168RC

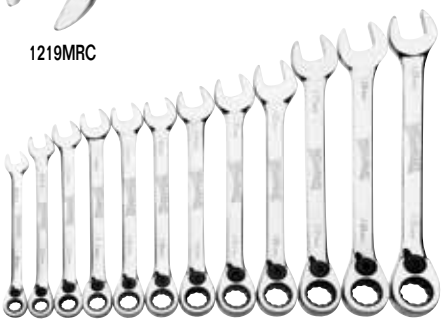

WS-1164RC



⚠ WARNING



1219MRC



MWS-12RC



MWS-4RC

WILLIAMS

REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1206MRC	6	4 1/2	21/32	5/32	21/32	1/4
1208MRC	8	5 1/4	23/32	3/16	23/32	9/32
1209MRC	9	5 7/8	13/16	5/32	25/32	5/16
1210MRC	10	6 1/4	7/8	7/32	7/8	11/32
1211MRC	11	6 5/8	15/16	7/32	29/32	11/32
1212MRC	12	6 13/16	1	7/32	31/32	3/8
1213MRC	13	7	1 1/32	1/4	1	13/32
1214MRC	14	7 3/8	1 3/16	1/4	1 3/32	13/32
1215MRC	15	7 3/4	1 1/4	9/32	1 5/32	7/16
1216MRC	16	8 3/16	1 11/32	9/32	1 7/32	7/16
1217MRC	17	9	1 7/16	9/32	1 9/32	1/2
1218MRC	18	9 3/8	1 17/32	5/16	1 3/8	15/32
1219MRC	19	9 3/4	1 17/32	11/32	1 7/16	17/32
1221MRC	21	10 3/4	1 23/32	3/8	1 9/16	9/16
1222MRC	22	11 1/4	1 27/32	3/8	1 21/32	19/32
1224MRC	24	12	1 31/32	15/32	1 27/32	5/8
1225MRC	25	12 31/32	2 3/32	15/32	1 7/8	5/8

MWS-12RC 12 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRC	8	1212MRC	12	1216MRC	16
1209MRC	9	1213MRC	13	1217MRC	17
1210MRC	10	1214MRC	14	1218MRC	18
1211MRC	11	1215MRC	15	1219MRC	19

MWS-4RC 4 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
1221MRC	21	1224MRC	24
1222MRC	22	1225MRC	25

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



WS-4RWA

WILLIAMS

4 PIECE RATCHETING ADAPTOR SET

Product Code	Description
WS-4RWA	4 Piece Ratcheting Adaptor Set

Contents Include:

Description	Description
1/4" Drive male Adaptor	3/8" Drive Male Adaptor
1/4" Hex Shank Coupler	1/2" Drive Male Adaptor

Features

- Converts a ratcheting wrench into a ratchet.
- To be used with Ratcheting Combination Wrenches
- Allows the use of hex bits, 1/4", 3/8", 1/2" Drive Sockets
- Adaptor locks into the wrench by twisting the top cap.
- Push-button socket release

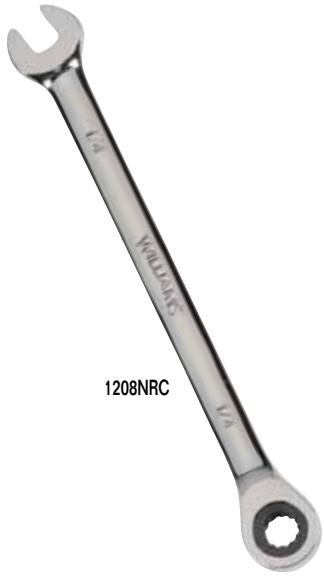
WILLIAMS

12 F

COMBINATION RATCHETING WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208NRC	1/4"	5 1/3	3/4	1/4	3/4	1/4
1210NRC	5/16"	5 1/3	3/4	1/4	3/4	1/4
1212NRC	3/8"	6 1/3	3/4	1/4	3/4	1/4
1214NRC	7/16"	6 1/2	1	1/4	3/4	1/4
1216NRC	1/2"	7	1	1/4	1	1/4
1218NRC	9/16"	7 1/2	1 1/4	1/3	1	1/4
1220NRC	5/8"	8 1/2	1 5/16	1/3	1 1/4	3/8
1222NRC	11/16"	9	1 1/2	1/3	1 5/16	3/8
1224NRC	3/4"	10	1 1/2	5/8	1 5/16	3/8
1226NRC	13/16"	11 1/4	1 3/4	5/8	1 5/8	1/2
1228NRC	7/8"	11 1/4	1 3/4	5/8	1 5/8	1/2
1230NRC	15/16"	13	2	5/8	1 3/4	1/2
1232NRC	1"	13	2	5/8	1 3/4	1/2
1234NRC	1 1/16"	14	2 1/8	1/2	2	1/2
1236NRC	1 1/8"	16 3/4	2 1/2	1/2	2 5/16	5/8
1238NRC	1 1/4"	16 3/4	2 1/2	1/2	2 5/16	5/8



1208NRC

Features
- 72-tooth gear requires only 5° of ratcheting arc to engage next gear
- High polish satin-chrome finish cleans easily & protects against corrosion
- Thin profile is perfect for tight clearances where accessibility is critical
- 12-point ratcheting box end allows for superior fastener engagement

WS-1120NRC 9 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
1208NRC	1/4"	1218NRC	9/16"
1210NRC	5/16"	1220NRC	5/8"
1212NRC	3/8"	1222NRC	11/16"
1214NRC	7/16"	1224NRC	3/4"
1216NRC	1/2"		


WS-1120NRC

WS-1121NRC 11 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1212NRC	3/8"	1220NRC	5/8"	1228NRC	7/8"
1214NRC	7/16"	1222NRC	11/16"	1230NRC	15/16"
1216NRC	1/2"	1224NRC	3/4"	1232NRC	1"
1218NRC	9/16"	1226NRC	13/16"		


WS-1121NRC

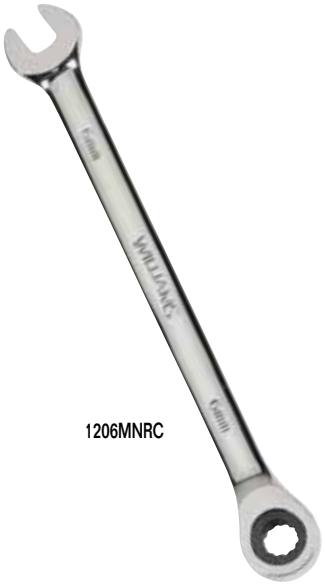
WS-1122NRC 16 Piece Combination Wrench, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1208NRC	1/4"	1220NRC	5/8"	1232NRC	1"
1210NRC	5/16"	1222NRC	11/16"	1234NRC	1 1/16"
1212NRC	3/8"	1224NRC	3/4"	1236NRC	1 1/8"
1214NRC	7/16"	1226NRC	13/16"	1238NRC	1 1/4"
1216NRC	1/2"	1228NRC	7/8"		
1218NRC	9/16"	1230NRC	15/16"		


WS-1122NRC

⚠ WARNING



1206MNRC

WILLIAMS®

12 M

COMBINATION RATCHETING WRENCHES

High Polish Chrome Finish, 12 Point, MM

		A	B	C	D	E
Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)
1206MNRC	6	5 3/8	3/4	1/4	1/4	1/4
1207MNRC	7	5 3/8	3/4	1/4	1/4	1/4
1208MNRC	8	5 3/8	3/4	1/4	1/4	1/4
1209MNRC	9	5 5/8	3/4	1/4	1/4	1/4
1210MNRC	10	6 1/2	7/8	1/4	7/8	1/4
1211MNRC	11	6 5/8	1	1/4	7/8	3/8
1212MNRC	12	6 7/8	1	1/4	1	3/8
1213MNRC	13	7 1/8	1	1/4	1	3/8
1214MNRC	14	7 5/8	1 1/4	3/8	1	3/8
1215MNRC	15	7 7/8	1 1/3	3/8	1	3/8
1216MNRC	16	8 1/2	1 1/3	3/8	1 1/4	3/8
1217MNRC	17	9 1/8	1 1/2	3/8	1 1/4	3/8
1218MNRC	18	9 3/8	1 1/2	3/8	1 1/4	1/2
1219MNRC	19	9 7/8	1 5/8	3/8	1 1/4	1/2
1220MNRC	20	11	1 7/8	3/8	1 5/8	1/2
1221MNRC	21	11	1 7/8	3/8	1 5/8	1/2
1222MNRC	22	11	1 7/8	3/8	1 5/8	1/2
1223MNRC	23	11	1 7/8	3/8	1 5/8	1/2
1224MNRC	24	12 3/4	2	3/8	1 7/8	1/2
1225MNRC	25	12 3/4	2	3/8	1 7/8	1/2
1226MNRC	26	12 3/4	2	3/8	1 7/8	1/2
1227MNRC	27	14 1/8	2 1/8	1/2	2	1/2
1228MNRC	28	14 1/8	2 1/8	1/2	2	1/2
1230MNRC	30	16 3/4	2 1/2	1/2	2 3/8	5/8
1232MNRC	32	16 3/4	2 1/2	1/2	2 3/8	5/8

Features

- 72-tooth gear requires only 5° of ratcheting arc to engage next gear
- High polish satin-chrome finish cleans easily & protects against corrosion
- Thin profile is perfect for tight clearances where accessibility is critical
- 12-point ratcheting box end allows for superior fastener engagement


MWS-1123NRC

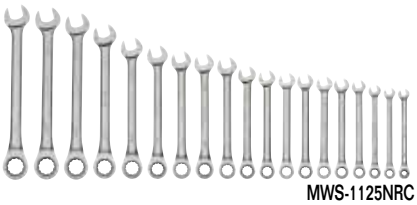
MWS-1123NRC 9 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1209MNRC	9	1212MNRC	12
1207MNRC	7	1210MNRC	10	1213MNRC	13
1208MNRC	8	1211MNRC	11	1214MNRC	14


MWS-1124NRC

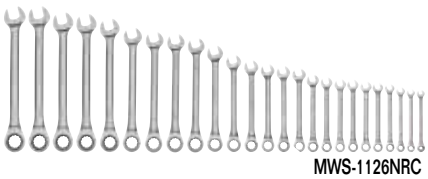
MWS-1124NRC 14 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1210MNRC	10	1214MNRC	14	1218MNRC	18
1207MNRC	7	1211MNRC	11	1215MNRC	15	1219MNRC	19
1208MNRC	8	1212MNRC	12	1216MNRC	16		
1209MNRC	9	1213MNRC	13	1217MNRC	17		


MWS-1125NRC

MWS-1125NRC 19 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1211MNRC	11	1216MNRC	16	1221MNRC	21
1207MNRC	7	1212MNRC	12	1217MNRC	17	1222MNRC	22
1208MNRC	8	1213MNRC	13	1218MNRC	18	1223MNRC	23
1209MNRC	9	1214MNRC	14	1219MNRC	19	1224MNRC	24
1210MNRC	10	1215MNRC	15	1220MNRC	20		


MWS-1126NRC

MWS-1126NRC 25 Piece Combination Wrench, in Pouch Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1206MNRC	6	1211MNRC	11	1216MNRC	16	1221MNRC	21	1226MNRC	26
1207MNRC	7	1212MNRC	12	1217MNRC	17	1222MNRC	22	1227MNRC	27
1208MNRC	8	1213MNRC	13	1218MNRC	18	1223MNRC	23	1228MNRC	28
1209MNRC	9	1214MNRC	14	1219MNRC	19	1224MNRC	24	1230MNRC	30
1210MNRC	10	1215MNRC	15	1220MNRC	20	1225MNRC	25	1232MNRC	32

WILLIAMS®

12 F

STUBBY REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1210RCS	5/16	3 1/2	23/32	5/32	23/32	9/32
1212RCS	3/8	3 29/32	7/8	3/16	7/8	11/32
1214RCS	7/16	4	31/32	7/32	7/8	11/32
1216RCS	1/2	4 1/2	1 1/16	1/4	1	13/32
1218RCS	9/16	4 11/16	1 3/16	1/4	1 3/32	13/32
1220RCS	5/8	5	1 11/32	9/32	1 7/32	15/32
1222RCS	11/16	5 1/4	1 1/2	9/32	1 5/16	1/2
1224RCS	3/4	5 1/2	1 19/32	11/32	1 15/32	17/32


1216RCS

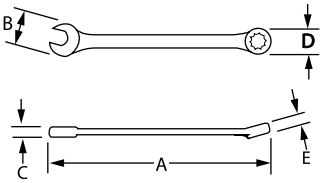
WS-1168RCS 8 Piece Reversible Stubby Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1210RCS	5/16	1216RCS	1/2	1222RCS	11/16
1212RCS	3/8	1218RCS	9/16	1224RCS	3/4
1214RCS	7/16	1220RCS	5/8		


WS-1168RCS

Features
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



WILLIAMS®

12 M

STUBBY REVERSIBLE RATCHETING COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
1208MRCS	8	3 1/2	23/32	5/32	23/32	9/32
1209MRCS	9	3 3/4	13/16	5/32	3/4	5/16
1210MRCS	10	3 27/32	7/8	3/16	7/8	11/32
1211MRCS	11	4 1/8	31/32	7/32	29/32	11/32
1212MRCS	12	4 1/4	1	7/32	15/16	3/8
1213MRCS	13	4 1/2	1	1/4	1	13/32
1214MRCS	14	4 11/16	1 5/32	1/4	1 3/32	13/32
1215MRCS	15	4 29/32	1 1/4	9/32	1 5/32	7/16
1216MRCS	16	5	1 3/8	9/32	1 1/4	15/32
1217MRCS	17	5 5/32	1 7/16	9/32	1 9/32	1/2
1218MRCS	18	5 1/4	1 1/2	5/16	1 3/8	1/2
1219MRCS	19	5 1/2	1 9/16	11/32	1 15/32	17/32


1213MRCS

MWS-12RCS 12 Piece Reversible Stubby Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCS	8	1212MRCS	12	1216MRCS	16
1209MRCS	9	1213MRCS	13	1217MRCS	17
1210MRCS	10	1214MRCS	14	1218MRCS	18
1211MRCS	11	1215MRCS	15	1219MRCS	19


MWS-12RCS

Features
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



⚠ WARNING


1037

WILLIAMS®

DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
1020	1/4 x 5/16	4 1/16	9/16	5/32	11/16	3/16
1721	5/16 x 3/8	4 11/16	11/16	5/32	13/16	3/16
1723	3/8 x 7/16	5 5/16	13/16	3/16	15/16	7/32
1725	7/16 x 1/2	5 31/32	3/32	7/32	1 1/16	1/4
1725B	1/2 x 9/16	6 19/32	1 1/16	1/4	1 3/16	9/32
1727	9/16 x 5/8	7 9/32	1 3/16	9/32	1 5/16	9/32
1027B	5/8 x 11/16	7 31/32	1 5/16	5/16	1 7/16	5/16
1729	5/8 x 3/4	8 9/32	1 5/16	9/32	1 9/16	11/32
1729B	11/16 x 3/4	8 21/32	1 7/16	5/16	1 9/16	11/32
1731	3/4 x 13/16	9 11/32	1 9/16	11/32	1 11/16	3/8
1731A	3/4 x 7/8	9 11/16	1 19/32	11/32	1 27/32	3/8
1731B	13/16 x 7/8	10 1/32	1 11/16	3/8	1 13/16	3/8
1033A	7/8 x 15/16	10 3/4	1 13/16	3/8	1 15/16	13/32
1033C	15/16 x 1	11 1/2	1 15/16	13/32	2 1/32	13/32
1037	1 1/16 x 1 1/4	12 15/16	2 3/16	7/16	2 17/32	1/2
1037B	1 1/8 x 1 3/16	13 23/32	2 5/16	15/32	2 7/16	15/32
1038	1 1/4 x 1 5/16	15 9/32	2 9/16	1/2	2 11/16	17/32
1038A	1 3/8 x 1 7/16	16 7/8	2 13/16	17/32	2 15/16	17/32
1039B	1 1/2 x 1 5/8	18 29/32	3 1/16	9/16	3 5/16	19/32


WS-1705A

Fed. Spec. ANSI B107.6

WS-1705A 5 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1723	3/8 x 7/16	1727	9/16 x 5/8	1731B	13/16 x 7/8
1725B	1/2 x 9/16	1729B	11/16 x 3/4		

WS-1710A 10 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1020	1/4 x 5/16	1727	9/16 x 5/8	1037	1 1/16 x 1 1/4
1723	3/8 x 7/16	1729B	11/16 x 3/4	1037B	1 1/8 x 1 3/16
1725	7/16 x 1/2	1731B	13/16 x 7/8		
1725B	1/2 x 9/16	1033C	15/16 x 1		


WS-1710A

Made in U.S.A.

Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.

WILLIAMS®

15°- 60° DOUBLE OPEN END ANGLE-HEAD WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Head Diameter	B Head Thickness	C Overall Length (Inches)
3712	3/8	25/32	7/32	4 3/4
3714	7/16	7/8	7/32	5
3716	1/2	1	7/32	5 1/2
3718	9/16	1 1/8	1/4	6
3720	5/8	1 3/16	9/32	6 1/4
3722	11/16	1 5/16	9/32	7
3724	3/4	1 7/16	9/32	7 1/4
3726	13/16	1 19/32	9/32	7 1/2
3728	7/8	1 21/32	9/32	8 1/4
3730	15/16	1 25/32	5/16	9 1/16
3732	1	1 15/16	5/16	9 3/4
3734	1 1/16	2 1/16	5/16	10
3736	1 1/8	2 1/4	5/16	11
3740	1 1/4	2 3/8	11/32	11 1/2
3744	1 3/8	2 11/16	13/32	12 1/2
3746	1 7/16	2 11/16	13/32	12 1/2
3748	1 1/2	2 11/16	13/32	12 1/2
3752	1 5/8	3 13/64	15/32	15 3/4
3754	1 11/16	3 11/32	1/2	16 1/2
3756	1 3/4	3 7/16	17/32	17
3758	1 13/16	3 9/16	17/32	17 3/4
3760	1 7/8	3 11/16	9/16	18 1/2
3764	2	3 15/16	19/32	19 1/4

Fed. Spec. ANSI B107.39 Type 2 Class 3


3732

3780 5 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

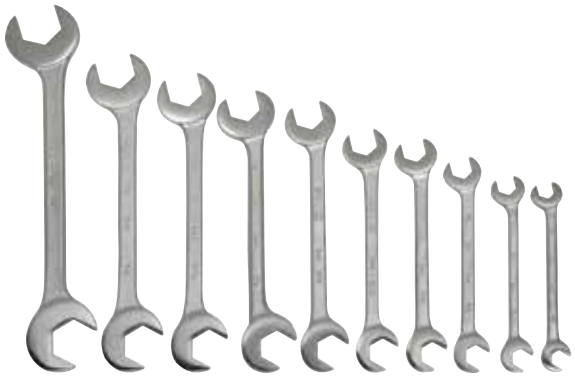
Product Code	Size (Inches)	Product Code	Size (Inches)
3712	3/8	3718	9/16
3714	7/16	3720	5/8
3716	1/2		


3780

3782 10 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
3712	3/8	3722	11/16
3714	7/16	3724	3/4
3716	1/2	3726	13/16
3718	9/16	3728	7/8
3720	5/8	3732	1


3782

Features

Made in U.S.A.

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily

⚠ WARNING


EWM-1618


MWS-26


MWS-31

WILLIAMS®

DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
EWM-0607	6 x 7	3 13/16	17/32	5/32	19/32	5/32
EWM-0708	7 x 8	4 3/16	19/32	5/32	11/16	3/16
EWM-0910	9 x 10	5	3/4	3/16	27/32	7/32
EWM-1011	10 x 11	5 3/8	27/32	7/32	15/16	7/32
EWM-1213	12 x 13	6 3/16	1	1/4	1 3/32	1/4
EWM-1415	14 x 15	7 1/32	1 1/32	9/32	1 1/4	9/32
EWM-1618	16 x 18	8 3/32	1 5/16	5/16	1 15/32	11/32
EWM-1719	17 x 19	8 17/32	1 13/32	5/16	1 9/16	11/32
EWM-2124	21 x 24	10 17/32	1 23/32	3/8	1 15/16	13/32
EWM-2224	22 x 24	10 3/4	1 13/16	3/8	1 15/16	13/32
EWM-2427	24 x 27	11 29/32	1 15/16	13/32	2 3/16	7/16
EWM-2730	27 x 30	13 5/16	2 3/16	7/16	2 7/16	15/32
EWM-3032	30 x 32	14 1/2	2 7/16	15/32	2 9/16	1/2

Fed. Spec. ANSI B107.9M

MWS-26 6 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0708	7 x 8	EWM-1213	12 x 13	EWM-1618	16 x 18
EWM-1011	10 x 11	EWM-1415	14 x 15	EWM-1719	17 x 19

MWS-31 10 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0607	6 x 7	EWM-1415	14 x 15	EWM-2427	24 x 27
EWM-0708	7 x 8	EWM-1618	16 x 18	EWM-2730	27 x 30
EWM-1011	10 x 11	EWM-1719	17 x 19		
EWM-1213	12 x 13	EWM-2124	21 x 24		

Features

Made in U.S.A.

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.


OES-1011


WS-1605

WILLIAMS®

SHORT DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Open End Width (Inches)	E Open End Thickness (Inches)
OES-0607	3/16 x 7/32	2 27/32	13/32	1/8	15/32	1/8
OES-0809	1/4 x 9/32	3 5/32	1/2	1/8	9/16	1/8
OES-1011	5/16 x 11/32	3 7/16	5/8	5/32	11/16	1/8
OES-1214	3/8 x 7/16	3 3/4	3/4	5/32	29/32	1/8
OES-1618	1/2 x 9/16	4 11/32	1	3/16	1 1/8	3/16

Fed. Spec. ANSI B107.6

WS-1605 5 Piece Short Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
OES-0607	3/16 x 7/32	OES-1011	5/16 x 11/32	OES-1618	1/2 x 9/16
OES-0809	1/4 x 9/32	OES-1214	3/8 x 7/16		

Features

Made in U.S.A.

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.

WILLIAMS®

MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Open End Width (Inches)	Open End Thickness (Inches)
1112A	3/16	3	1/2	7/64	1/2	7/64
1113A	13/64	3	1/2	7/64	1/2	7/64
1114A	7/32	3	1/2	7/64	1/2	7/64
1115A	15/64	3	1/2	7/64	1/2	7/64
1116A	1/4	3	1/2	7/64	1/2	7/64
1118A	9/32	3 1/2	5/8	9/64	5/8	9/64
1120A	5/16	3 1/2	5/8	9/64	5/8	9/64
1122A	11/32	3 3/4	3/4	9/64	3/4	9/64
1124A	3/8	3 3/4	3/4	9/64	3/4	9/64
1128A	7/16	4 7/16	7/16	11/64	7/16	11/64
1132A	1/2	4 7/16	7/16	11/64	7/16	11/64
1136A	9/16	5 3/4	1 5/32	13/64	1 5/32	13/64
1140A	5/8	5 3/4	1 5/32	13/64	1 5/32	13/64


1128A


WS-1108SP

Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.
- Excellent for fast turning of fasteners in limited clearance areas.
- Each wrench has the same size opening at both ends.

WS-1108SP 8 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1114A	7/32	1118A	9/32	1124A	3/8
1115A	15/64	1120A	5/16	1128A	7/16
1116A	1/4	1122A	11/32		


WS-1113CA

WS-1113CA 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1112A	3/16	1116A	1/4	1124A	3/8
1113A	13/64	1118A	9/32	PL-1519C	5" SUPERJOINT® Utility Pliers
1114A	7/32	1120A	5/16		
1115A	15/64	1122A	11/32		


WS-1142PCA

WS-1142PCA 14 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
1112A	3/16	1118A	9/32	1132A	1/2
1113A	13/64	1120A	5/16	1136A	9/16
1114A	7/32	1122A	11/32	1140A	5/8
1115A	15/64	1124A	3/8	PL-1519C	5" SUPERJOINT® Utility Pliers
1116A	1/4	1128A	7/16		

Made in U.S.A.

⚠ WARNING

WILLIAMS

MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, MM

Product Code	Size (MM)	Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Open End Width (Inches)	Open End Thickness (Inches)
1104MM	4	3	1/2	7/64	1/2	7/64
1105MM	5	3	1/2	7/64	1/2	7/64
1105.5MM	5.5	3	1/2	7/64	1/2	7/64
1106MM	6	3	1/2	7/64	1/2	7/64
1107MM	7	3 1/2	5/8	9/64	5/8	9/64
1108MM	8	3 1/2	5/8	9/64	5/8	9/64
1109MM	9	3 3/4	3/4	9/64	3/4	9/64
1110MM	10	4 7/16	7/16	11/64	7/16	11/64
1111MM	11	4 7/16	7/16	11/64	7/16	11/64
1112MM	12	4 7/16	7/16	11/64	7/16	11/64
1113MM	13	4 7/16	7/16	11/64	7/16	11/64
1114MM	14	5 3/4	1 5/32	13/64	1 5/32	13/64
1115MM	15	5 3/4	1 5/32	13/64	1 5/32	13/64
1116MM	16	5 3/4	1 5/32	13/64	1 5/32	13/64



MWS-1110

Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than “V” design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.

MWS-1110 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1104MM	4	1107MM	7	1111MM	11
1105MM	5	1108MM	8	PL-1519C	5" SUPERJOINT Utility Pliers
1105.5MM	5.5	1109MM	9		
1106MM	6	1110MM	10		

MWS-1115 15 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1104MM	4	1108MM	8	1113MM	13
1105MM	5	1109MM	9	1114MM	14
1105.5MM	5.5	1110MM	10	1115MM	15
1106MM	6	1111MM	11	1116MM	16
1107MM	7	1112MM	12	PL-1519C	5" SUPERJOINT Utility Pliers

Made in U.S.A.



MWS-1115

WILLIAMS

30° SERVICE WRENCHES, SAE (F)

Satin Chrome Finish, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter	Head Thickness
3524	3/4	6 1/4	1 11/16	1/4
3526	13/16	6 1/4	1 11/16	1/4
3528	7/8	6 1/4	1 11/16	1/4
3530	15/16	6 7/8	1 7/8	1/4
3532	1	6 7/8	1 7/8	1/4
3534	1 1/16	6 7/8	1 7/8	1/4
3536	1 1/8	7	2 1/16	1/4
3538	1 3/16	7	2 1/16	1/4
3540	1 1/4	7	2 1/16	1/4
3542	1 5/16	7 5/8	2 1/2	9/32
3544	1 3/8	7 5/8	2 1/2	9/32
3546	1 7/16	7 5/8	2 1/2	9/32
3548	1 1/2	7 5/8	2 1/2	9/32
3550	1 9/16	7 5/8	2 5/8	9/32
3552	1 5/8	7 5/8	2 5/8	9/32
3554	1 11/16	7 5/8	2 5/8	9/32
3556	1 3/4	8 1/2	3 1/8	5/16
3558	1 13/16	8 1/2	3 1/8	5/16
3560	1 7/8	8 1/2	3 1/8	5/16
3562	1 15/16	8 1/2	3 1/8	5/16
3564	2	8 1/2	3 1/2	5/16
3568	2 1/8	8 1/2	3 1/2	5/16
3572	2 1/4	8 1/2	3 1/2	5/16
3576	2 3/8	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3



3542

WS-3510 10 Piece Service Wrench Set, SAE in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
3524	3/4	3532	1	3538	1 3/16
3526	13/16	3534	1 1/16	3540	1 1/4
3528	7/8	3536	1 1/8	3544	1 3/8
3530	15/16				



WS-3510

30° SERVICE WRENCHES, METRIC (M)

Satin Chrome Finish, Metric

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter	Head Thickness
3519M	19	6 1/4	1 11/16	1/4
3521M	21	6 1/4	1 11/16	1/4
3522M	22	6 1/4	1 11/16	1/4
3524M	24	6 7/8	1 7/8	1/4
3527M	27	6 7/8	1 7/8	1/4
3530M	30	7	2 1/16	1/4
3532M	32	7	2 1/16	1/4
3536M	36	7 5/8	2 1/2	9/32
3537M	37	7 5/8	2 1/2	9/32
3538M	38	7 5/8	2 1/2	9/32
3540M	40	7 5/8	2 5/8	9/32
3541M	41	7 5/8	2 5/8	9/32
3542M	42	7 5/8	2 5/8	9/32
3544M	44	7 5/8	2 5/8	9/32
3546M	46	8 1/2	3 1/8	5/16
3548M	48	8 1/2	3 1/8	5/16
3550M	50	8 1/2	3 1/8	5/16
3552M	52	8 1/2	3 1/2	5/16
3555M	55	8 1/2	3 1/2	5/16
3560M	60	9 1/2	3 1/2	5/16
3565M	65	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3



3537M

MWS-3510 10 Piece Service Wrench Set, MM in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
3519M	19	3527M	27	3536M	36
3521M	21	3530M	30	3538M	38
3522M	22	3532M	32	3540M	40
3524M	24				



MWS-3510

Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish

USA Made in U.S.A.

WARNING


7725B

WILLIAMS

12 F

DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
7723	3/8 x 7/16	7 5/8	19/32	5/16	21/32	11/32
7725B	1/2 x 9/16	8 11/16	3/4	3/8	27/32	3/8
7727A	5/8 x 11/16	10 5/32	29/32	7/16	1	15/32
7029B	11/16 x 3/4	10 15/16	1	15/32	1 3/32	1/2
7731A	3/4 x 7/8	12 1/32	1 3/32	1/2	1 1/4	9/16
7731B	13/16 x 7/8	12 13/32	1 3/16	17/32	1 1/4	9/16
7033C	15/16 x 1	14 1/8	1 11/32	19/32	1 7/16	5/8
7038	1 1/8 x 1 3/16	16 3/32	1 19/32	11/16	1 11/16	11/16
7039B	1 1/4 x 1 5/16	17 5/8	1 25/32	23/32	1 27/32	3/4

Fed. Spec. ANSI B107.6

WS-7707 7 Piece Double Head 10° Offset Box End Wrench Set, SAE, in Pouch

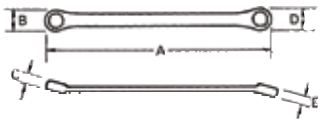
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
7723	3/8 x 7/16	7029B	11/16 x 3/4	7033C	15/16 x 1
7725B	1/2 x 9/16	7731A	3/4 x 7/8		
7727A	5/8 x 11/16	7731B	13/16 x 7/8		

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.




WS-7707

WILLIAMS®

12 M

DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
BWM-0810	8 x 10	7 5/16	1/2	9/32	19/32	5/16
BWM-1011	10 x 11	7 31/32	19/32	5/16	21/32	11/32
BWM-1012	10 x 12	8 3/16	19/32	5/16	23/32	11/32
BWM-1113	11 x 13	8 5/8	21/32	11/32	25/32	3/8
BWM-1213	12 x 13	8 27/32	25/32	11/32	25/32	3/8
BWM-1214	12 x 14	9 1/16	23/32	11/32	13/16	13/32
BWM-1315	13 x 15	9 1/2	25/32	3/8	7/8	13/32
BWM-1415	14 x 15	9 3/4	13/16	13/32	7/8	13/32
BWM-1417	14 x 17	9 25/32	13/16	13/32	31/32	15/32
BWM-1618	16 x 18	10 27/32	15/16	7/16	1 1/32	15/32
BWM-1719	17 x 19	11 9/32	31/32	15/32	1 3/32	1/2
BWM-1821	18 x 21	11 15/16	1 3/32	15/32	1 3/16	17/32
BWM-1922	19 x 22	12 3/8	1 3/32	1/2	1 1/4	9/16
BWM-2124	21 x 24	13 1/4	1 3/16	17/32	1 11/32	19/32
BWM-2224	22 x 24	13 15/32	1 1/4	9/16	1 11/32	19/32
BWM-2427	24 x 27	14 19/32	1 11/32	19/32	1 17/32	21/32
BWM-2730	27 x 30	15 29/32	1 17/32	21/32	1 11/16	11/16
BWM-3032	30 x 32	17 1/32	1 11/16	11/16	1 25/32	23/32

Fed. Spec. ANSI B107.9M



BWM-1012

MWS-BWM10 10 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BWM-0810	8 x 10	BWM-1618	16 x 18	BWM-2730	27 x 30
BWM-1113	11 x 13	BWM-1719	17 x 19	BWM-3032	30 x 32
BWM-1214	12 x 14	BWM-1922	19 x 22		
BWM-1415	14 x 15	BWM-2124	21 x 24		



MWS-BWM10

MWS-BWM12 12 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMW-1011	10 x 11	BWM-1417	14 x17	BWM-1922	19 x 22
BWM-1214	12 x 14	BWM-1618	16 x 18	BWM-2224	22 x 24
BWM-1315	13 x 15	BWM-1719	17 x 19	BWM-2730	27 x 30
BWM-1415	14 x 15	BWM-1821	18 x 21	BWM-3032	30 x 32

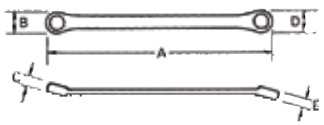
USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.



MWS-BWM12



⚠ WARNING



8725B



WS-8707

WILLIAMS®

12 F

DOUBLE HEAD 60° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
8720	1/4 x 5/16	6 7/16	13/32	1/4	15/32	9/32
8723	3/8 x 7/16	7 5/8	9/16	5/16	21/32	5/16
8725	7/16 x 1/2	8 3/16	21/32	11/32	3/4	11/32
8725B	1/2 x 9/16	8 25/32	3/4	3/8	27/32	3/8
8727	9/16 x 5/8	9 3/8	27/32	13/32	29/32	13/32
8727A	5/8 x 11/16	9 31/32	29/32	7/16	1	7/16
8729	5/8 x 3/4	10 1/4	15/16	7/16	1 3/32	7/16
8729A	11/16 x 13/16	10 27/32	1	15/32	1 3/16	15/32
8731A	3/4 x 7/8	11 7/16	1 3/32	17/32	1 9/32	17/32
8033A	7/8 x 15/16	13	1 9/32	9/16	1 3/8	9/16
8033C	15/16 x 1	13 31/32	1 3/8	19/32	1 7/16	19/32

Fed. Spec. ANSI B107.6

WS-8707 7 Piece Double Head 60° Offset Box End Wrench Set, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
8720	1/4 x 5/16	8729	5/8 x 3/4	8033C	15/16 x 1
8723	3/8 x 7/16	8729A	11/16 x 13/16		
8725B	1/2 x 9/16	8731A	3/4 x 7/8		

USA Made in U.S.A.

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 60° offset box end allows extra knuckle and bolt clearance in tight areas.
- Sizes are clearly marked on handle ends.



RB-52

WILLIAMS®

12 F

SINGLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	Product Code	Size (Inches)	A Overall Length (Inches)
RB-42	1 5/16	15 1/2	RB-54	1 11/16	19
RB-44	1 3/8	15 1/2	RB-56	1 3/4	19
RB-46	1 7/16	15 1/2	RB-58	1 13/16	19
RB-48	1 1/2	15 1/2	RB-60	1 7/8	19
RB-50	1 9/16	15 1/2	RB-64	2	19
RB-52	1 5/8	15 1/2	RB-68	2 1/8	19

USA Made in U.S.A.

Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.
- Turn wrench over to change direction.

WILLIAMS

SINGLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	Product Code	Size (MM)	A Overall Length (Inches)
RBM-22	22	12	RBM-27	27	12
RBM-23	23	12	RBM-29	29	12
RBM-24	24	12	RBM-30	30	12
RBM-25	25	12	RBM-32	32	15½
RBM-26	26	12	RBM-36	36	15½

Made in U.S.A.

Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.
- Turn wrench over to change direction.



RBM-52

WILLIAMS

DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, SAE

Product Code	Number of Points	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RB-810	6	¼ x 5/16	4 ¼	19/32	3/8	11/16	3/8
RB-1214	6	3/8 x 7/16	5 ½	25/32	3/8	7/8	3/8
RB-1618	6	½ x 9/16	6 ¾	1	½	1 5/32	½
RB-1820	12	9/16 x 5/8	8 ⅛	1 5/16	½	1 7/16	½
RB-2022	12	5/8 x 11/16	8 ⅛	1 5/16	½	1 7/16	½
RB-2024	12	5/8 x ¾	8 ⅛	1 5/16	½	1 7/16	½
RB-2428	12	¾ x 7/8	9 ¼	1 13/32	½	1 9/16	½
RB-3036	12	15/16 x 1 ⅛	15 ⅛	1 21/32	9/16	2 9/32	9/16
RB-3440	12	1 1/16 x 1 ¼	15 ⅛	1 29/32	9/16	2 9/32	9/16



RB-1618

WS-12 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, SAE, in Pouch

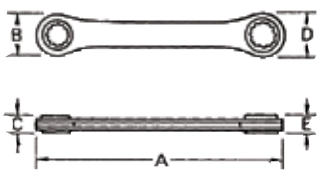
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
RB-810	¼ x 5/16	RB-1618	½ x 9/16	RB-2428	¾ x 7/8
RB-1214	3/8 x 7/16	RB-2022	5/8 x 11/16		

Made in U.S.A.

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.
- Turn wrench over to change direction.





WS-12

⚠ WARNING


RBM-1314

MWS-30

WILLIAMS®

DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, Metric

Product Code	Number of Points	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RBM-0708	6	7 x 8	4 1/2	11/16	3/8	11/32	3/8
RBM-0910	6	9 x 10	5 1/2	7/8	3/8	7/8	3/8
RBM-1112	6	11 x 12	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1314	6	13 x 14	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1517	12	15 x 17	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1618	12	16 x 18	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1921	12	19 x 21	9 1/4	1 9/16	1/2	1 9/16	1/2

MWS-30 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
RBM-0708	7 x 8	RBM-1112	11 x 12	RBM-1517	15 x 17
RBM-0910	9 x 10	RBM-1314	13 x 14		

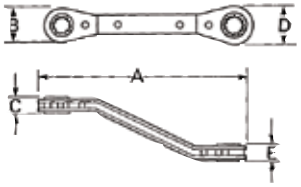
Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.
- Turn wrench over to change direction.

Made in U.S.A.


RBO-1618

WS-5



WILLIAMS®

DOUBLE HEAD 25° REVERSIBLE OFFSET RATCHETING BOX WRENCHES

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)	D Box End Diameter (Inches)	E Box End Thickness (Inches)
RBO-810	1/4 x 5/16	4 1/4	19/32	3/8	21/32	3/8
RBO-1214	3/8 x 7/16	5 7/16	25/32	3/8	7/8	3/8
RBO-1618	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2
RBO-2022	5/8 x 11/16	8	1 5/16	1/2	1 7/16	1/2
RBO-2024	5/8 x 3/4	8	1 5/16	1/2	1 7/16	1/2
RBO-2226	11/16 x 13/16	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2428	3/4 x 7/8	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2630	13/16 x 15/16	9 1/8	1 13/32	1/2	1 9/16	1/2

WS-5 5 Piece Reversible Offset Ratcheting Box Wrench Set, 12 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
RBO-810	1/4 x 5/16	RBO-1618	1/2 x 9/16	RBO-2428	3/4 x 7/8
RBO-1214	3/8 x 7/16	RBO-2022	5/8 x 11/16		

Features

- 25° offset handle clears obstructions that flat handle wrenches cannot.
- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.

Made in U.S.A.

WILLIAMS®

RATCHETING FLARE NUT WRENCHES

Black Industrial Finish, 12 Point, SAE

Product Code	Size (Inches)	Overall Length (Inches)	Head Diameter (Inches)	Head Thickness (Inches)
RFW-12	3/8	5 3/8	1	5/16
RFW-14	7/16	5 3/8	1	5/16
RFW-16	1/2	5 3/8	1	5/16
RFW-18	9/16	7 1/4	1 1/32	3/8
RFW-20	5/8	7 1/4	1 1/32	3/8
RFW-22	11/16	7 1/4	1 1/32	3/8
RFW-24	3/4	7 1/4	1 1/32	3/8
RFW-26	13/16	9 5/16	1 5/8	1/2
RFW-28	7/8	9 5/16	1 5/8	1/2
RFW-30	15/16	9 5/16	1 5/8	1/2
RFW-32	1	9 5/16	1 5/8	1/2

Made in U.S.A.


RFW-24

Features

- Designed for use on 6 and 12 point tube fittings, fasteners, valves and compression fittings.
- Unique design requires only 30° rotation for ratcheting action.
- High carbon steel jaws snap open, then close around fastener with 6 point contact.
- Prevents distortion of thin-walled fitting.
- Allow easy access to tight locations.

WILLIAMS®

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
XFN-0810	1/4 x 5/16	4 27/32	19/32	1/4	5/8	9/32
XFN-1214	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32
XFN-1618	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32
XFN-2022	5/8 x 11/16	7 3/4	1 3/32	7/16	3/16	15/32
XFN-2432	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8
XFN-2836	7/8 x 1 1/8	10.5	1 7/16	9/16	1 3/4	11/16


XFN-1618

Fed. Spec.: ANSI B107.6

WS-14 5 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
XFN-1214	3/8 x 7/16	XFN-2022	5/8 x 11/16	XFN-2836	7/8 x 1 1/8
XFN-1618	1/2 x 9/16	XFN-2432	3/4 x 1		

Made in U.S.A.


WS-14

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.

⚠ WARNING



10600



11690



11691

WILLIAMS

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
10600	3/8 x 7/16	6	27/32	11/32	15/16	11/32
10602	1/2 x 9/16	6 3/4	15/16	13/32	1	13/32
10604	5/8 x 11/16	7 3/4	1 3/32	7/16	1 3/16	15/32
10606	3/4 x 7/8	8 5/8	1 9/32	0.5	1 13/32	17/32

Fed. Spec.: ANSI B107.6

11690 4 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
10600	3/8 x 7/16	10604	5/8 x 11/16
10602	1/2 x 9/16	10606	3/4 x 7/8

11691 3 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
10600	3/8 X 7/16	10604	5/8 X 11/16
10602	1/2 X 9/16		

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



10650



11692

WILLIAMS

DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, Metric

Product Code	Size (MM)	A Overall Length (Inches)	B Open End Dia (Inches)	C Open End Thickness (Inches)	D Open End Dia (Inches)	E Open End Thickness (Inches)
10650	9 x 11	5 11/16	13/16	11/32	15/16	5/16
10652	10 x 12	6 1/8	7/8	3/8	29/32	5/16
10654	13 x 14	6 7/8	1	3/8	1 3/32	3/8
10656	15 x 17	7 7/8	1 1/16	7/16	1 7/32	1/2
10658	19 x 21	8 7/8	1 9/32	1/2	1 13/32	17/32

Fed. Spec.: ANSI B107.9M

11692 5 Piece Double Head Flare Nut Wrench Set, 6 Point, Metric, in Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
10650	9 x 11	10654	13 x 14	10658	19 x 21
10652	10 x 12	10656	15 x 17		

Features

- Will not damage fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.

WILLIAMS®

ADJUSTABLE WRENCH

Chrome Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
AP-4A	4	1/2	11/32
AP-6A	6	3/4	7/16
AP-8A	8	1	1/2
AP-10A	10	1 11/64	39/64
AP-12A	12	1 5/16	23/32
AP-15A	15	1 11/16	51/64
AP-18A	18	2 1/16	57/64
AP-24A	24	2 7/16	1 9/64

Features

- Chrome plated finish allows for easy cleaning after each use.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.

Made in U.S.A.



AP-10A

WILLIAMS®

ADJUSTABLE WRENCH

Black Finish

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
AB-4A	4	1/2	11/32
AB-6A	6	3/4	7/16
AB-8A	8	1	1/2
AB-10A	10	1 11/64	39/64
AB-12A	12	1 5/16	23/32
AB-15A	15	1 11/16	51/64
AB-18A	18	2 1/16	57/64
AB-24A	24	2 7/16	1 9/64

Features

- Drop forged, heat treated industrial finish with satin finish handles for firm safe grip.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.

Made in U.S.A.



AB-10A

⚠ WARNING



APC-10A

WILLIAMS

ADJUSTABLE WRENCH

Comfort Grip

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
APC-6A	6	3/4	7/8
APC-8A	8	1	1/2
APC-10A	10	1 11/64	39/64
APC-12A	12	1 5/8	23/32

Features

Made in U.S.A.

- Comfort thermoplastic grips cushion the handle surface and stay comfortable even in extreme temperatures.
- Chrome plated finish allows for easy cleaning.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



13404



13610



13342



13642

WILLIAMS

ADJUSTABLE WRENCHES

Heavy Duty Industrial Grade Adjustable Wrenches

Product Code	Overall Length (Inches)	Maximum Jaw Opening Not less Than (Inches)	Head Thickness (Inches)
Chrome Finish:			
13404A	4	11/16	3/8
13406A	6	15/16	7/16
13408A	8	1 1/8	9/16
13410A	10	1 5/16	11/16
13412A	12	1 1/2	13/16
13415A	15	2	1
13418A	18	2 3/8	1 3/16
13424A	24	2 3/4	1 7/16
Black Phosphate Finish:			
13604A	4	11/16	3/8
13606A	6	15/16	7/16
13608A	8	1 1/8	9/16
13610A	10	1 5/16	11/16
13612A	12	1 1/2	13/16
13615A	15	2	1
13618A	18	2 3/8	1 3/16
13624A	24	2 3/4	1 7/16

Fed. Spec.: ANSI B107.8M

13342A 4 Piece Chrome Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13406A	6	13410A	10
13408A	8	13412A	12

13642A 4 Piece Black Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13606A	6	13610A	10
13608A	8	13612A	12

Features

- Measurement scale on head conveniently shows fastener size.
- Wrench heads are fully polished for easy clean-up.
- Exceed ANSI specifications for strength.
- Precision hardened and anti-corrosion treated.

WILLIAMS®

RATCHETING ADJUSTABLE WRENCHES

Comfort Grip

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
13106	6	13/16	7/16
13108	8	15/16	9/16
13110	10	1 3/16	11/16

13343 3 Piece Set Ratcheting Adjustable Wrench Set, in Pouch

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
13106	6	13110	10
13108	8		

Features

- Easy to use in limited space


13110

WILLIAMS®

ADJUSTABLE CONSTRUCTION WRENCH

Heavy-Duty With Polished Head and Measurement Scales

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)
13625A	15	1 1/2	23/32

Features

- Tapered spud handle locates and aligns bolts and rivets.
- Hole in handle permits tethering wrench for safety.
- Measurement scale on head conveniently shows fastener size.
- Economical black phosphate finish resists rust.


13625A

WILLIAMS®

SINGLE HEAD OPEN END OFFSET STRUCTURAL WRENCHES

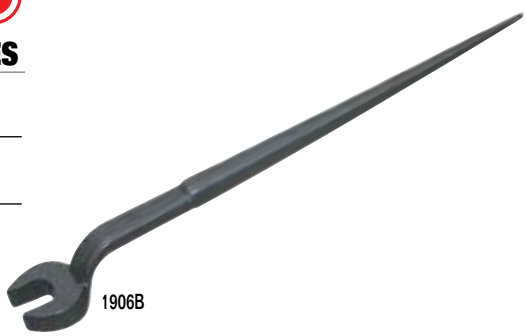
Industrial Black Finish, SAE

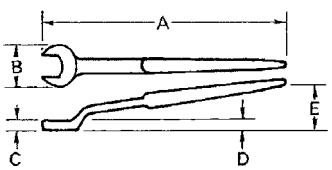
Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)	D Handle Offset (Inches)
1904A	3/4	11 9/16	1 19/32	15/32	7/8
1905	7/8	14 5/16	2	9/16	1
1906	15/16	14 3/16	1 31/32	19/32	1
1906B	1	14 1/4	2	19/32	1
1907	1 1/16	16 13/16	2 5/32	5/8	1 1/8
1907A	1 1/8	16 13/16	2 1/4	5/8	1 1/8
1908	1 1/4	17 11/16	2 23/32	11/16	1 1/4
1908A	1 5/16	18 3/4	2 13/16	23/32	1 1/4
1909	1 7/16	19 3/4	3 5/32	25/32	1 1/4
1909A	1 1/2	19 7/8	3 5/32	25/32	1 1/2
1910	1 5/8	21 1/16	3 7/32	7/8	1 1/2
1911	1 13/16	23	3 3/4	1 3/4	1 5/8
1911A	1 7/8	22 13/16	3 25/32	31/32	1 5/8
1912	2	23 3/4	4 7/32	31/32	1 5/8

Features

- Long offset handle is designed for clearance of obstructions while providing greater leverage.
- Tapered spud handle locates and aligns bolt and rivet holes.

Made in U.S.A.


1906B



⚠ WARNING



206B

WILLIAMS®

SINGLE HEAD OPEN END CONSTRUCTION WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Open End Width (Inches)	C Open End Thickness (Inches)
204A	3/4	12	1 23/32	15/32
205	7/8	14 1/4	2 1/16	19/32
206	15/16	14 3/4	2 1/8	19/32
206B	1	13 1/8	2 3/32	1/2
207	1 1/16	16 9/16	2 7/16	21/32
207A	1 1/8	17	2 9/16	11/16
Q-208	1 1/4	18 15/16	2 23/32	23/32
208A	1 5/16	19	2 27/32	3/4
209	1 7/16	21 1/8	3 3/8	27/32
209A	1 1/2	18 3/4	2 3/4	13/16
Q-210	1 5/8	22 11/16	3 21/32	7/8
211	1 13/16	25	4 1/2	1 1/32
211A	1 7/8	25 1/8	4 9/16	1 1/16

Features

- 15° open end provides two gripping angles when wrench is turned over.
- Tapered spud handle locates and aligns bolt and rivet holes.

Made in U.S.A.



8907A

WILLIAMS®

OFFSET STRUCTURAL BOX WRENCHES

Industrial Black Finish, SAE

Product Code	Size (Inches)	A Overall Length (Inches)	B Head Diameter (Inches)	C Offset at End
8905A	13/16	12	1 15/32	1 25/32
8905	7/8	12	1 15/32	1 25/32
8906	15/16	12	1 5/8	1 61/64
8906B	1	12	1 5/8	1 61/64
8907	1 1/16	15	1 53/64	2 9/64
8907A	1 1/8	15	1 53/64	2 9/64
8908	1 1/4	17	2 5/64	2 21/64
8908A	1 5/16	17	2 5/64	2 21/64
8909	1 7/16	21	2 3/8	2 3/4
8909A	1 1/2	21	2 3/8	2 3/4
8910	1 5/8	22	2 5/8	2 7/8
8910A	1 11/16	22	2 5/8	2 7/8
8911	1 13/16	23	2 29/32	3
8911A	1 7/8	23	2 29/32	3
8912	2	24 1/2	3 5/32	3 5/32
8913	2 3/16	26	3 15/32	3 1/2
8914	2 3/8	28	3 23/32	3 11/16
8915	2 9/16	30	3 29/32	3 13/16
8916	2 3/4	30	4 5/32	3 29/32

Fed. Spec: GGG-W-636E Type 9 Class 2

Made in U.S.A.

Features

- Offset from handle to permit clearance of obstructions
- Handles are tapered for insertion into bolt holes
- Industrial Black Finish

WILLIAMS®

TUBULAR WRENCH HANDLES

Industrial Black Finish

Product Code	Length (Inches)	Inside Handle Diameter (Inches)
13TH	13½	⅞
24TH	24	⅞
36TH	36	1⅛

Features

- For use with all Williams Tubular Handle Wrenches.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Tubular wrenches may be used without the handle to quickly run down nuts.

USA Made in U.S.A.



13TH

WILLIAMS®

F M

OPEN END TUBULAR HANDLE WRENCHES

Industrial Black Finish, SAE / Metric

Product Code	Size (Inches)	Size (MM)	B Outside Head Diameter (Inches)	C Head Depth (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH	Fits Handle No.
1228TOE	⅞	-	1 15/16	½	19 ⅜	29 ⅞	13TH - 24TH
1230TOE	15/16	-	1 15/16	½	19 ⅜	29 ⅞	13TH - 24TH
1232TOE	1	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1234TOE	1 1/16	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1236TOE	1 ⅛	-	2 5/16	9/16	20 5/32	30 21/32	13TH - 24TH
1240TOE	1 ¼	32	2 11/16	⅝	21 5/32	31 21/32	13TH - 24TH
1242TOE	1 5/16	33	2 11/16	⅝	21 5/32	31 21/32	13TH - 24TH
1244TOE	1 ⅜	35	2 11/16	⅝	22	32 ½	13TH - 24TH
1246TOE	1 7/16	36	3 ⅛	11/16	22 1/16	32 9/16	13TH - 24TH
1248TOE	1 ½	38	3 ⅛	11/16	22 1/16	33 9/16	13TH - 24TH

Features

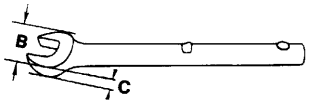
- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Open end wrench head provides access in tight areas.
- Sizes of both SAE and corresponding metric fasteners are shown.

USA Made in U.S.A.



1228TOE

CDI WSC-400CA and WSC-600CA Split Beam Torque Wrenches accept the Williams Heavy Duty Tubular Wrenches that fit the 24TH handle. The length of the wrench head matches the effective length of the ratchet head and extender that come with the torque wrench, creating the same effective length. Removing the ratchet head and extender from the torque wrench and inserting the desired Heavy Duty Tubular wrench of choice (fitting 24TH handle) creates an expanded use interchangeable head system. The complete assortment of CDI Split Beam Torque Wrenches is found on page 98.

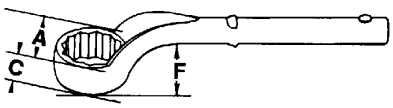


B = Outside Dia.
C = Head Depth

⚠ WARNING



1234TOB



A = Outside Dia.
C = Head Depth
F = Height of Offset

WILLIAMS®

12 F M

OFFSET BOX END TUBULAR HANDLE WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

			A	C	F			
Product Code	Size (Inches)	Size (MM)	Outside Head Diameter (Inches)	Head Depth (Inches)	Height of Offset (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH/36TH	Fits Handle No.
1234TOB	1 1/16	-	1 21/32	5/8	15/16	9 3/32	30 3/32	13TH - 24TH
1236TOB	1 1/8	-	1 7/8	23/32	1 1/16	9 7/32	30 7/32	13TH - 24TH
1240TOB	1 1/4	32	1 29/32	23/32	1 1/16	9 7/32	30 7/32	13TH - 24TH
1242TOB	1 5/16	33	2	27/32	1 1/8	11 1/2	32 1/2	13TH - 24TH
1244TOB	1 3/8	35	2 1/16	7/8	1 3/16	11 19/32	32 19/32	13TH - 24TH
1246TOB	1 7/16	36	2 5/32	7/8	1 1/4	11 19/32	32 19/32	13TH - 24TH
1248TOB	1 1/2	38	2 1/4	15/16	1 5/16	11 19/32	32 19/32	13TH - 24TH
1250TOB	1 9/16	40	2 5/16	15/16	1 5/16	11 19/32	32 19/32	13TH - 24TH
1252TOB	1 5/8	41	2 3/8	31/32	1 3/8	11 23/32	32 23/32	13TH - 24TH
1254TOB	1 11/16	43	2 19/32	1 1/16	1 7/16		43 9/32	36TH
1256TOB	1 3/4	44	2 5/8	1 1/16	1 1/2		43 9/32	36TH
1258TOB	1 13/16	46	2 23/32	1 1/8	1 9/16		43 13/32	36TH
1260TOB	1 7/8	47	2 3/4	1 1/8	1 5/8		43 13/32	36TH
1264TOB	2	51	2 31/32	1 1/4	1 3/4		43 1/2	36TH
1266TOB	2 1/16	52	2 31/32	1 1/4	1 3/4		43 1/2	36TH
1270TOB	2 3/16	55	3 3/16	1 5/16	1 7/8		43 19/32	36TH
1272TOB	2 1/4	57	3 1/4	1 5/16	1 7/8		43 19/32	36TH
1276TOB	2 3/8	60	3 13/32	1 13/32	2		43 11/16	36TH
1282TOB	2 9/16	65	3 21/32	1 1/2	2 1/4		43 13/16	36TH
1284TOB	2 5/8	67	3 11/16	1 1/2	2 1/4		44 7/32	36TH
1288TOB	2 3/4	70	3 15/16	1 19/32	2 1/2		44	36TH
1294TOB	2 15/16	75	4 5/32	1 11/16	2 5/8		44 3/32	36TH
12100TOB	3 1/8	79	4 3/8	1 11/16	2 3/4		44 19/32	36TH

Features

Made in U.S.A.

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular Wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Offset box wrench head provides turning clearance.
- Sizes of both SAE and corresponding metric fasteners are shown.



1224TSB

WILLIAMS®

12 F M

STRAIGHT BOX END TUBULAR HANDLE WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

			A	C			
Product Code	Size (Inches)	Size (MM)	Outside Head Diameter (Inches)	Head Depth (Inches)	Assembled Length From Bolt Center (Inches) 13TH	Assembled Length From Bolt Center (Inches) 24TH/36TH	Fits Handle No.
1224TSB	3/4	-	1 1/4	17/32	19 1/32	29 17/32	13TH - 24TH
1226TSB	13/16	-	1 1/4	17/32	19 1/32	29 17/32	13TH - 24TH
1228TSB	7/8	-	1 13/32	19/32	19 1/32	29 17/32	13TH - 24TH
1230TSB	15/16	-	1 13/32	19/32	19 1/32	29 17/32	13TH - 24TH
1232TSB	1	-	1 9/16	21/32	19 3/32	29 19/32	13TH - 24TH
1234TSB	1 1/16	-	1 9/16	21/32	19 3/32	29 19/32	13TH - 24TH
1236TSB	1 1/8	-	1 5/16	11/16	19 3/32	29 19/32	13TH - 24TH
1240TSB	1 1/4	32	1 29/32	27/32	21 13/32	31 29/32	13TH - 24TH
1242TSB	1 5/16	33	1 29/32	27/32	21 13/32	31 29/32	13TH - 24TH
1246TSB	1 7/16	36	2 5/32	7/8	21 13/32	31 29/32	13TH - 24TH
1248TSB	1 1/2	38	2 5/32	7/8	21 13/32	31 29/32	13TH - 24TH
1252TSB	1 5/8	41	2 5/16	15/16	22 7/32	32 23/32	13TH - 24TH

Features

Made in U.S.A.

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Straight box wrench head provides access when clearance is limited.
- Sizes of both SAE and corresponding metric fasteners are shown.

WILLIAMS®

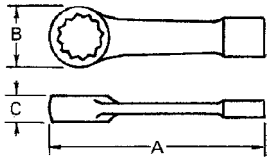
STRAIGHT PATTERN BOX END STRIKING WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (Inches)	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)
SFH-1808BW	1 3/16	30	7 9/16	2 3/32	7/8
SFH-1808W	1 1/4	32	7 9/16	2 3/32	7/8
SFH-1808AW	1 5/16	33	7 9/16	2 3/32	7/8
SFH-1808CW	1 3/8	35	7 21/32	2 9/32	31/32
SFH-1809W	1 7/16	-	7 21/32	2 9/32	31/32
SFH-1809BW	-	36	7 21/32	2 9/32	31/32
SFH-1809AW	1 1/2	38	7 21/32	2 9/32	31/32
SFH-1810W	1 5/8	41	7 27/32	2 21/32	1 5/32
SFH-1810AW	1 11/16	43	7 13/16	2 21/32	1 5/32
SFH-1810BW	1 3/4	44	7 15/16	2 13/16	1 1/4
SFH-1811W	1 13/16	46	7 15/16	2 13/16	1 1/4
SFH-1811AW	1 7/8	-	7 15/16	2 13/16	1 1/4
SFH-1812BW	-	50	11 19/32	3 3/16	1 13/32
SFH-1812W	2	51	11 19/32	3 3/16	1 13/32
SFH-1812AW	2 1/16	52	11 19/32	3 3/16	1 13/32
SFH-1813W	2 3/16	55	11 3/4	2 9/16	1 17/32
SFH-1813AW	2 1/4	57	11 3/4	2 9/16	1 17/32
SFH-1814W	2 3/8	60	11 7/8	3 3/4	1 11/16
SFH-1814AW	2 7/16	62	11 7/8	33/4	1 11/16
SFH-1814BW	2 1/2	64	11 7/8	3 3/4	1 11/16
SFH-1815W	2 9/16	65	13	4	1 13/16
SFH-1815AW	2 5/8	67	13	4	1 13/16
SFH-1816W	2 3/4	70	14 9/32	4 9/32	1 15/16
SFH-1816AW	2 13/16	71	14 9/32	4 9/32	115/16
SFH-1816BW	2 15/16	75	14 13/32	4 17/32	2 1/16
SFH-1817AW	3	76	14 13/32	4 17/32	2 1/16
SFH-1817W	3 1/8	80	17 19/32	4 29/32	2 9/32
SFH-1818AW	3 3/8	85	17 19/32	4 29/32	2 9/32
SFH-1818W	3 1/2	89	17 13/16	5 5/16	2 15/32
SFH-1819BWA	3 3/4	95	17 29/32	5 17/32	2 21/32
SFH-1819WA	3 7/8	98	17 29/32	5 17/32	2 21/32
SFH-1819CWA	4 1/8	105	18 5/32	6 1/32	2 15/16
SFH-1819AWA	4 1/4	108	18 5/32	6 1/32	2 15/16
SFH-1820BWA	4 1/2	114	20 1/32	6 25/32	3 3/16
SFH-1820WA	4 5/8	117	20 1/32	6 25/32	3 3/16



SFH-1812W



Features

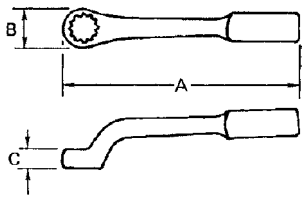
Made in U.S.A.

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Straight handle design resists springing while allowing the fastener to turn more easily.
- Williams' expanded line of offset striking face wrenches, up to 4-5/8", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.

⚠ WARNING



8811BW



WILLIAMS®

OFFSET PATTERN BOX END STRIKING WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (Inches)	Size (MM)	A Overall Length (Inches)	B Box End Diameter (Inches)	C Box End Thickness (Inches)
8807W	1 1/16	27	9 31/32	1 21/32	23/32
8807AW	1 1/8	-	10 31/32	1 15/16	3/4
8808BW	1 3/16	30	10 31/32	1 15/16	3/4
8808W	1 1/4	32	10 31/32	1 15/16	3/4
8808AW	1 5/16	33	10 31/32	1 15/16	3/4
8808CW	1 3/8	35	11 1/2	2 5/32	29/32
8809W	1 7/16	-	11 1/2	2 5/32	29/32
8809BW	-	36	11 1/2	2 5/32	29/32
8809AW	1 1/2	38	12	2 7/16	1
8810W	1 5/8	41	12	2 7/16	1
8810AW	1 11/16	43	12 9/16	2 11/16	1 1/8
8811BW	1 3/4	44	12 9/16	2 11/16	1 1/8
8811W	1 13/16	46	12 9/16	2 11/16	1 1/8
8811AW	1 7/8	-	13	2 7/8	1 1/4
8812AW	1 15/16	49	13	2 7/8	1 1/4
8812BW	-	50	13	2 7/8	1 1/4
8812W	2	51	13	2 7/8	1 1/4
8813BW	2 1/8	54	13 9/16	3 1/4	1 13/32
8813W	2 3/16	55	13 9/16	3 1/4	1 13/32
8813AW	2 1/4	57	13 9/16	3 1/4	1 13/32
8814AW	2 5/16	59	13 9/16	3 1/4	1 13/32
8814W	2 3/8	60	14 1/8	3 11/16	1 1/2
8815BW	2 1/2	64	14 1/8	3 11/16	1 1/2
8815W	2 9/16	65	14 1/8	3 11/16	1 1/2
8815AW	2 5/8	67	15	3 15/16	1 5/8
8816W	2 3/4	70	15	2 15/16	1 5/8
8816CW	2 7/8	73	16	4 7/16	1 3/4
8816BW	2 15/16	75	16	4 7/16	1 3/4
8817AW	3	76	16	4 7/16	1 3/4
8817W	3 1/8	80	16	4 7/16	1 3/4
8818AW	3 3/8	85	18 9/32	6	2
8818W	3 1/2	89	18 9/32	6	2
8819BW	3 3/4	95	18 9/32	6	2
8819W	3 7/8	98	18 9/32	6	2
8819CW	4 1/8	105	18 9/32	6	2
8819AW	4 1/4	108	18 9/32	6	2

Made in U.S.A.

Features

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Offset handle is close to head to provide clearance in confined areas.
- Williams' expanded line of offset striking face wrenches, up to 4-1/4", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.



8817AFPW

WILLIAMS®

FRAC PUMP WRENCH

A safer, more durable tool

Product Code	Stud Size
8817AFPW	Frac Pump Wrench

Made in U.S.A.

Features

- Specially designed for the oil and gas industry to work on fluid ends of well servicing pumps from all major manufacturers with 3" valve cover retainer nuts
- Offset design with 3" integrated hex driver
- A larger striking surface ensures fewer errant blows
- Offset reduces damage to manifold
- Robust metallurgy ensures a safer tool that is less likely to break

WILLIAMS®

SLUGGING WRENCH RETAINERS

Product Code	Stud Size	Length	C	D
SWR-24	3/8	1 29/32	1 15/16	1 3/4
SWR-28	7/8	2	2 3/16	1 29/32
SWR-32	1	2 1/8	2 1/2	2 1/32
SWR-36	1 1/8	2 1/4	2 1/2	2 5/32
SWR-40	1 1/4	2 3/8	2 7/8	2 9/32
SWR-44	1 3/8	2 15/32	3 1/8	2 3/8
SWR-48	1 1/2	2 5/8	3 1/8	2 1/2
SWR-52	1 5/8	2 3/4	3 5/8	2 21/32
SWR-56	1 3/4	2 7/8	3 7/8	2 3/4
SWR-60	1 7/8	3	4 1/2	2 7/8


SWR-52


SWR-24

SWR-SET 10 Piece Slugging Wrench Retainers Set

Contents Include:

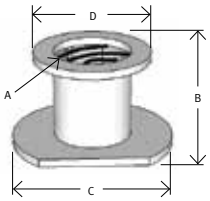
Product Code	Stud Size	Product Code	Stud Size
SWR-24	3/8	SWR-44	1 3/8
SWR-28	7/8	SWR-48	1 1/2
SWR-32	1	SWR-52	1 5/8
SWR-36	1 1/8	SWR-56	1 3/4
SWR-40	1 1/4	SWR-60	1 7/8


SWR-SET

Features

- Slugging Wrench Retainers thread onto the end of the stud over the slugging wrench to ensure the wrench stays affixed to the fastener
- A spring loaded plate allows for easy adjustment of the wrench without having to unscrew the retainer.
- Increased productivity and safer operation by eliminating the need for a second worker to hold and slugging wrench in place
- Available in 10 sizes, marked with stud sizes (not hex sizes)
- Configured to work with offset and straight handle slugging wrenches

Made in U.S.A.



WILLIAMS®

HAMMER WRENCHES

6 Point

Product Code	Wrench Opening (Nut Size)	Head Dia.	Head Thickness	Overall Length
HW-6034	1 1/16	1 25/32	5/8	9 7/8
HW-6040	1 1/4	2	23/32	10 1/4
HW-6046	1 7/16	2 17/64	7/8	10 9/16
HW-6052	1 5/8	2 31/64	61/64	11
HW-6058	1 13/16	2 21/32	63/64	11 5/16
HW-6064	2	3 1/32	1 7/32	11 11/16
HW-6070	2 3/16	3 9/32	1 1/4	12
HW-6076	2 3/8	3 13/32	1 7/16	12 3/8
HW-6082	2 9/16	3 3/4	1 17/32	12 11/16
HW-6088	2 3/4	4 11/64	1 17/32	13 1/16
HW-6094	2 15/16	4 23/64	1 17/32	13 7/16
HW-6100	3 1/8	4 31/64	1 5/8	13 13/16
HW-6112	3 1/2	4 31/32	1 23/32	14 1/8
HW-6124	3 7/8	5 35/64	1 23/32	14 1/2

Features

- Designed for use in the petrochemical industries where clearance, particularly on flanges, and cored fasteners are often a problem:
- 6 Point Hex is offset 15 degree, and short handle length allows for use in tight spaces
- Straight Handle transfers maximum torque when struck
- Assortment fits Stud Sizes up to 2-½"

Made in U.S.A.


HW-6034

⚠ WARNING



WS-476

WILLIAMS®

ADJUSTABLE PIN SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)
O-471	3/4 to 2	1/8	1/8	5 3/8
O-471A	3/4 to 2	3/16	5/32	5 3/8
O-472	1 1/4 to 3	3/16	3/16	6 7/8
O-472A	1 1/4 to 3	1/4	7/32	6 7/8
O-474	2 to 4 3/4	1/4	1/4	9 1/2
O-474A	4 1/2 to 6 1/4	3/8	1/4	9 7/8

WS-476 6-Piece Adjustable Pin Spanner Wrench Set, in Pouch

Contents Include:

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
O-471	5 3/8	O-472A	6 7/8
O-471A	5 3/8	O-474	9 1/2
O-472	6 7/8	O-474A	9 7/8

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.



WS-474

WILLIAMS®

ADJUSTABLE HOOK SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Hook Depth (Inches)	Hook Thickness (Inches)	Overall Length (Inches)
471	3/4 to 2	1/8	11/32	5 3/8
472	1 1/4 to 3	5/32	13/32	7 1/4
474	2 to 4 3/4	3/16	15/32	11 1/2
474A	4 1/2 to 6 1/4	1/4	15/32	17 1/2
474B	6 1/8 to 8 3/4	5/16	15/32	18 1/2

WS-474 4-Piece Adjustable Hook Spanner Wrench Set, in Pouch

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
471	5 3/8	474	11 1/2
472	7 1/4	474A	17 1/2

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.



WS-483

WILLIAMS®

ADJUSTABLE FACE SPANNER WRENCHES

Industrial Black Finish, SAE

Product Code	Span Diameter (Inches)	Pin Diameter (Inches)	Pin Length (Inches)	Overall Length (Inches)
482	2	3/16	1/4	6 1/4
483	3	1/4	1/4	8 1/8
484	4	5/16	1/2	10 3/8

WS-483 3-Piece Adjustable Face Spanner Wrench Set, in Pouch

Contents Include:

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
482	6 1/4	484	10 3/8
483	8 1/8		

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.

Made in U.S.A.

WILLIAMS®

T-HANDLE HEX DRIVERS

Cushion Grip Handle

Product Code	Size (Inches)	Product Code	Size (MM)
HKT-3/32	3/32	HKT-2MM	2
HKT-7/64	7/64	HKT-2.5MM	2.5
HKT-1/8	1/8	HKT-3MM	3
HKT-9/64	9/64	HKT-4MM	4
HKT-5/32	5/32	HKT-5MM	5
HKT-3/16	3/16	HKT-6MM	6
HKT-7/32	7/32	HKT-8MM	8
HKT-1/4	1/4	HKT-10MM	10
HKT-5/16	5/16		
HKT-3/8	3/8		

Features

- Cushion grip provides extra comfort
- One-Piece handle construction for extra strength
- 6 Inch shaft length



HKT-1/4



HKT-6MM

WSHKT-10 10 Piece T-Handle Hex Driver Set, SAE in Pouch

Contents Include:

Product Code	Size	Product Code	Size	Product Code	Size
HKT-3/32	3/32	HKT-5/32	5/32	HKT-1/4	1/4
HKT-7/64	7/64	HKT-3/16	3/16	HKT-5/16	5/16
HKT-1/8	1/8	HKT-7/32	7/32	HKT-3/8	3/8
HKT-9/64	9/64				

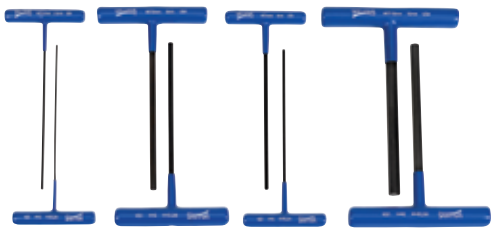


WSHKT-10

MWSHKT-8 8 Piece T-Handle Hex Driver Set, MM in Pouch

Contents Include:

Product Code	Size	Product Code	Size
HKT-2MM	2	HKT-5MM	5
HKT-2.5MM	2.5	HKT-6MM	6
HKT-3MM	3	HKT-8MM	8
HKT-4MM	4	HKT-10MM	10



MWSHKT-8

Universal Hex Key Stand

Product Code	Size
HKTSTAND	Width 7 ½ x Depth 5 ½ x Height 6

Features

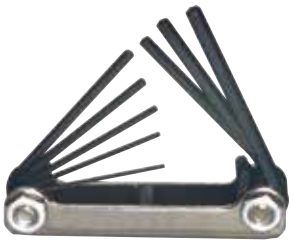
- Universal T-handle stand, fits inch/metric sets
- Number of slots: 22
- Fits up to 3/8" hex
- For Inch, Metric and Torx hex keys
- Can be attached to wall, bench or each other
- T-handle hex drivers are sold separately and are not included with stand
- 6" overall length



HKTSTAND

Made in U.S.A.

⚠ WARNING



WS-45



WS-46



MWS-47

WILLIAMS® (F) (M)

FOLDING HEX KEY SETS

SAE and Metric

Product Code	WS-45		WS-46		MWS-47	
Number of Pieces	8		9		7	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (Inches)	Key Length (Inches)	Includes Hex Size (MM)	Key Length (Inches)
	.050	1 1/4	5/64	1 1/2	1.5	1 3/8
	1/16	1 3/8	3/32	1 9/16	2	1 1/2
	5/64	1 7/16	7/64	1 11/16	2.5	1 5/8
	3/32	1 9/16	1/8	1 15/16	3	1 3/4
	7/64	1 5/8	9/64	2	4	2
	1/8	1 11/16	5/32	2 1/4	5	2 1/4
	9/64	1 13/16	3/16	2 1/2	6	2 1/2
	5/32	2	7/32	2 5/8		
			1/4	2 7/8		

Features

- Steel case is chrome plated to resist corrosion.
- Keys are black oxide finish.
- Convenient item for pocket or tool box.

USA Made in U.S.A.



10507



10213

WILLIAMS®

(F) (M)

BALL END AND STANDARD HEX KEY SETS

SAE and Metric, in Handy Compact Plastic Holder

Product Code	Number of Pieces	Type	Key Style	Key Length	Size Range
10107	7	SAE	Standard	Short	5/64 - 1/4"
10111	11	SAE	Standard	Short	.050 - 1/4"
10113	13	SAE	Standard	Short	.050 - 3/8"
10213	13	SAE	Standard	Long	.050 - 3/8"
10507	7	Metric	Standard	Short	1.5 - 6.0 mm
10509	9	Metric	Standard	Short	1.5 - 10.0 mm
13213	13	SAE	Ball Hex	Long	.050 - 3/8"
13609	9	Metric	Ball Hex	Long	1.5 - 10.0 mm

Features

- Plastic holders organize hex keys securely in place.
- Keys are black oxide finish.
- Holders are color coded, red for fractional and blue for metric.
- Ball hex key ends are designed with ball on long arm to provide 360° of rotation at up to a 30° angle.

USA Made in U.S.A.

WILLIAMS®

HEX KEY SETS IN POUCH

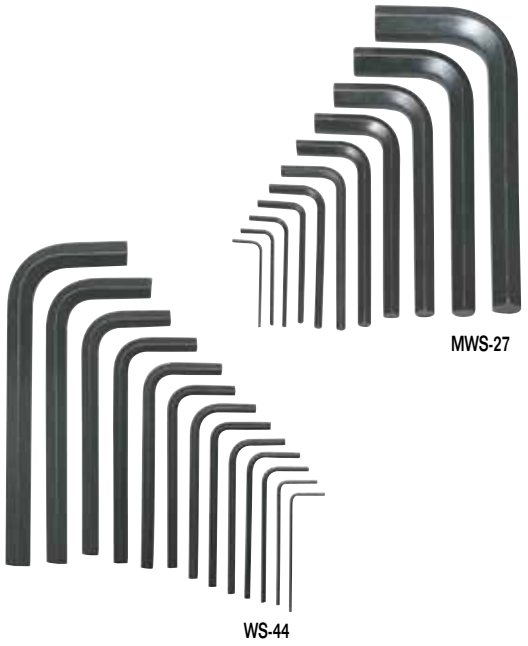
SAE and Metric

Product Code	WS-44		MWS-27	
Number of Pieces	13		11	
	Hex Size (Inches)	Key Length (Inches)	Hex Size (MM)	Key Length (Inches)
	.050	1 11/16	2	2
	1/16	1 13/16	2 1/2	2 5/16
	5/64	1 31/32	3	2 7/32
	3/32	2 1/8	4	2 13/16
	7/64	2 1/4	5	3 5/16
	1/8	2 3/8	6	3 23/32
	9/64	2 9/16	8	4 1/16
	5/32	2 19/32	10	4 5/8
	3/16	3	12	5 7/32
	7/32	3 3/16	14	5 15/16
	1/4	3 1/2	17	6 7/8
	5/16	4		
	3/8	4 17/32		

Features

- Pouch keeps hex keys organized.
- Keys are black oxide finish.

USA Made in U.S.A.



WILLIAMS®

L-TYPE HEX KEYS

Industrial Black Finish, SAE

Product Code	Size (Inches)	Length (Inches)	Width (Inches)	Pkg. Qty.
HK-050	.050	1 23/32	1/2	25
HK-1/16	1/16	1 7/8	1/2	25
HK-5/64	5/64	1 31/32	5/8	25
HK-3/32	3/32	1 13/16	9/16	25
HK-7/64	7/64	2 1/4	23/32	25
HK-1/8	1/8	2 13/32	3/4	25
HK-9/64	9/64	2 3/8	25/32	25
HK-5/32	5/32	2 21/32	27/32	25
HK-3/16	3/16	2 31/32	1	25
HK-7/32	7/32	3 5/16	1	25
HK-1/4	1/4	3 5/8	1 1/8	25
HK-3/8	3/8	4 23/32	1 13/32	5

Features

- Keys are black oxide finish.

USA Made in U.S.A.

WILLIAMS®

L-TYPE HEX KEYS

Industrial Black Finish, Metric

Product Code	Size (MM)	Length (Inches)	Width (Inches)	Pkg. Qty.
HK-2mm	2	2	5/8	25
HK-2.5mm	2 1/2	2 1/4	23/32	25
HK-3mm	3	2 9/16	13/16	25
HK-4mm	4	2 13/16	31/32	25
HK-5mm	5	3 13/32	1 1/8	25
HK-6mm	6	3 3/4	1 1/8	10
HK-8mm	8	4 5/16	1 1/8	5
HK-10mm	10	4 3/4	1 1/2	5
HK-12mm	12	5 1/4	1 5/8	5
HK-14mm	14	6	1 1/2	5
HK-17mm	17	6 3/4	2 1/2	1

Features

- Keys are black oxide finish.

USA Made in U.S.A.



⚠ WARNING

SOCKETS & DRIVE TOOLS

LARGE ASSORTMENT

• CHROME SOCKETS • IMPACT UNIVERSALS • IMPACT SOCKETS
• TURBOSOCKET SALVAGE SOCKETS • RATCHETS

UNIQUE DESIGN

• SUPERTORQUE LOBULAR OPENING ALLOWS SOCKET TO CONTACT THE FASTENER'S FLATS WITHOUT ROUNDING OR DEFORMING NUTS AND BOLTS.
• TURBOSOCKET SALVAGE SOCKETS ARE SPECIFICALLY DESIGNED TO REMOVE DAMAGED OR ROUNDED NUTS AND BOLTS.

MANUFACTURED FOR HEAVY DUTY APPLICATIONS

• EXTRUDED OR HOT BROACHED FROM ALLOY STEEL, PRECISION MACHINED OR FULLY TREATED.

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK

15 PIECE 3/8" DRIVE SOCKET & DRIVE TOOL SET P.254









63 PIECE 3/8" DRIVE SOCKET, SCREWDRIVER, & WRENCH SET P.249

29 PIECE 3/8" DRIVE SOCKET & DRIVE TOOL SET P.241

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS®

MULTI DRIVE SOCKET & DRIVE TOOL SETS

Product Code	Description
50614	146 Piece 1/4", 3/8", 1/2" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 219, 248, 301
50612	138 Piece 1/4", 3/8", 1/2" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 220, 249, 302
50611	95 Piece 1/4" & 3/8" Drive Master Socket, Wrench, and Screwdriver Set 6 & 12 Point Rugged Case System Tool Set, SAE Complete details on page 221, 250
50622	89 Piece 1/4" & 3/8" Drive Master Socket and Tool Set 6 & 12 Point Rugged Case System Tool Set, Metric Complete details on page 222, 251
50681	32 Piece 1/4" & 3/8" Drive Bit Socket Set 6 Point Compact Case Tool Set, SAE & Metric Complete details on page 224

Features

- Sets include comprehensive assortment of sockets and drive tools in multiple drive sizes.
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Rugged case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two component handles are easy to grip and comfortable to carry.



50681



50614



50612



50622



50611



WSM-38HFTB

WILLIAMS

38 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 8 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-38HFTB	38 Piece Tool Set with TB-103 Metal Tool Box
WSM-38HF	38 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-42A	Flex Handle
M-102	2" Extension
M-104	4" Extension
M-115	6" Extension

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Shallow 8-Point Sockets

Product Code	Size (Inches)
M-808	1/4
M-810	5/16
M-812	3/8

Drive Tools:

Product Code	Description
M-106A	Spinner Handle
M-140A	Universal Joint
M-20A	Sliding T-Handle
MFE-6	6" Flexible Extension

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-606	3/16
MD-607	7/32
MD-608	1/4
MD-609	9/32
MD-610	5/16
MD-611	11/32
MD-612	3/8
MD-614	7/16
MD-616	1/2
MD-618	9/16

Screwdriver Bit Sockets

Product Code	Description
MA-7A-1P	#1 Phillips® Tip
MA-7A-2P	#2 Phillips® Tip
MA-5A-1S	3/16" Slotted Tip
MA-7A-2S	7/32" Slotted Tip
MA-8A-3S	9/32" Slotted Tip

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-26HFTB

WILLIAMS

26 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-26HFTB	26 Piece Tool Set with TB-102 Metal Tool Box
WSM-26HF	26 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-115	6" Extension

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Drive Tools:

Product Code	Description
M-106A	Spinner Handle
M-140A	Universal Joint

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-606	3/16
MD-607	7/32
MD-608	1/4
MD-609	9/32
MD-610	5/16
MD-611	11/32
MD-612	3/8
MD-614	7/16
MD-616	1/2
MD-618	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

WILLIAMS

6 12 F

22 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-22FTB	22 Piece Tool Set with TB-102 Metal Tool Box
WSM-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-106A	Spinner Handle
M-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16
M-608	1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
M-1210	5/16
M-1211	11/32
M-1212	3/8
M-1214	7/16
M-1216	1/2
M-1218	9/16

Deep 6-Point Sockets

Product Code	Size (Inches)
MD-605	5/32
MD-606	3/16
MD-608	1/4

Deep 12-Point Sockets

Product Code	Size (Inches)
MD-1210	5/16
MD-1211	11/32
MD-1212	3/8
MD-1214	7/16
MD-1216	1/2
MD-1218	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-22FTB

WILLIAMS

6 8 F

19 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 8 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-19HFTB	19 Piece Tool Set with TB-101 Metal Tool Box
WSM-19HF	19 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-115	6" Extension
M-106A	Spinner Handle
M-140A	Universal Joint
M-42A	Flex Handle

Shallow 8-Point Sockets

Product Code	Size (Inches)
M-808	1/4
M-810	5/16
M-812	3/8

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-606	3/16
M-607	7/32
M-608	1/4
M-609	9/32
M-610	5/16
M-611	11/32
M-612	3/8
M-614	7/16
M-616	1/2
M-618	9/16

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSM-19HFTB

⚠ WARNING



WSM-15HFTB

WILLIAMS

15 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-15HFTB	15 Piece Tool Set with TB-101 Metal Tool Box
WSM-15HF	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description	Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet	M-106A	Spinner Handle
M-102	2" Extension	M-140A	Universal Joint
M-115	6" Extension		

Shallow 6-Point Sockets

Product Code	Size (Inches)	Product Code	Size (Inches)
M-606	3/16	M-611	11/32
M-607	7/32	M-612	3/8
M-608	1/4	M-614	7/16
M-609	9/32	M-616	1/2
M-610	5/16	M-618	9/16

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSM-13FTB

WILLIAMS

13 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSM-13FTB	13 Piece Tool Set with TB-101 Metal Tool Box
WSM-13F	13 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet
M-102	2" Extension
M-106A	Spinner Handle
M-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
M-605	5/32
M-606	3/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
M-1208	1/4
M-1210	5/16
M-1211	11/32
M-1212	3/8
M-1214	7/16
M-1216	1/2
M-1218	9/16

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS

30 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSM-30HFTB	30 Piece Metric Tool Set with TB-103 Metal Tool Box
MSM-30HF	30 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description	Product Code	Description
M-52EHA	5 1/2" Enclosed Head Ratchet	M-106A	Spinner Handle
M-102	2" Extension	M-140A	Universal Joint
M-115	6" Extension	M-42A	Flex Handle

Shallow 6-Point Sockets / **Deep 6-Point Sockets**

Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MMD-604	4
MM-605	5	MMD-605	5
MM-605.5	5 1/2	MMD-605.5	5 1/2
MM-606	6	MMD-606	6
MM-607	7	MMD-607	7
MM-608	8	MMD-608	8
MM-609	9	MMD-609	9
MM-610	10	MMD-610	10
MM-611	11	MMD-611	11
MM-612	12	MMD-612	12
MM-613	13	MMD-613	13
MM-614	14	MMD-614	14

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSM-30HFTB

WILLIAMS

17 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSM-17HFTB	17 Piece Metric Tool Set with TB-101 Metal Tool Box
MSM-17HF	17 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description	Product Code	Description
M-52EHA	5-1/2" Enclosed Head Ratchet	M-106A	Spinner Handle
M-102	2" Extension	M-140A	Universal Joint
M-115	6" Extension		

Shallow 6-Point Sockets

Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MM-609	9
MM-605	5	MM-610	10
MM-605.5	5.5	MM-611	11
MM-606	6	MM-612	12
MM-607	7	MM-613	13
MM-608	8	MM-614	14

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSM-17HFTB

⚠ WARNING

WILLIAMS

6 12 M F

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614	146 Piece 1/4", 3/8", 1/2" Drive Socket Set



50614

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33003	3" Extension
33006	Handle
30007	Universal Joint
30009	Adaptor 1/4" F x 3/8" M

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32412	3/8
32414	7/16
32416	1/2
32418	9/16
32420	5/8
32422	11/16
32424	3/4
32426	13/16
32428	7/8
32430	15/16
32432	1

WILLIAMS

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612	138 Piece 1/4", 3/8", 1/2" Drive Socket Set



50612

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33002	4" Extension
33003	8" Extension
33006	18" Sliding T-handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
31710	10
31711	11
31712	12
31713	13
31714	14
31715	15
31716	16
31717	17
31718	18
31719	19

3/8" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
31312	3/8
31314	7/16
31316	1/2
31318	9/16
31320	5/8
31322	11/16
31324	3/4
31326	13/16
31328	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32002	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
32510	10
32511	11
32512	12
32513	13
32514	14
32515	15
32516	16
32517	17
32518	18
32519	19
32521	21
32522	22
32524	24
32527	27
32530	30
32532	32

1/2" Drive Shallow 6 Point Sockets,SAE

Product Code	Size (Inches)
32112	3/8
32114	7/16
32116	1/2
32118	9/16
32120	5/8
32122	11/16
32124	3/4
32126	13/16
32128	7/8
32130	15/16
32132	1
32134	1 1/16
32136	1 1/8
32138	1 3/16
32140	1 1/4

WARNING



50611

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

6 12 M F

95 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET & TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50611	95 Piece Master Socket, Wrench, and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 1/2" Extension
30003	3" Extension
30005	Flex Handle
30006	Spinner Handle
30007	Universal Joint
30009	1/4" F x 3/8" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Deep 6-Point Sockets

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	1/4" x 4" Slotted
24249	#1 x 3" Phillips®
24253	#2 x 4" Phillips®

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Deep 12-Point Sockets

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	6/16
11120	5/8
11122	11/16
11124	3/4

WILLIAMS

89 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET AND TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50622	89 Piece Master Socket, Wrench and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 1/2" Extension
30003	3" Extension
30005	Flex Handle
30006	Spinner Handle
30007	Universal Joint
30009	1/4" F x 3/8" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 1/2
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets

Product Code	Size (MM)
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	1/4" x 4" Slotted
24249	#1 x 3" Phillips®
24253	#2 x 4" Phillips®

12 Point Combination Wrenches

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19



50622

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠ WARNING



50602

WILLIAMS

67 PIECE 1/4" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50602	67 Piece 1/4" Drive Socket Set

Contents Include:

1/4" Drive Tools

Product Code	Description
30001	Ratchet
30005	Flex handle
30002	4" Extension
30003	8" Extension
30006	18" Sliding T-handle
30007	Universal Joint
30010	Spinner Disc

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, MM

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Slotted Bit Sockets, SAE

Product Code	Size (Inches)
35040	5/32
35041	7/32
35042	9/32

1/4" Drive Phillips Bit Sockets, SAE

Product Code	Size (Inches)
35050	# 0
35051	# 1
35052	# 2



50601

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS

47 PIECE 1/4" DRIVE 47 PIECE DELUXE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50601	47 Piece Deluxe 6-Point 1/4" Drive Socket Set

Contents Include:

Drive Tools:

Product Code	Description
	36 Tooth Quick-Release Ratchet
30001	1 ½" Extension
30002	3" Extension
30003	Flex Handle
30005	Spinner Handle
30006	Universal Joint
30007	Ratchet Spinner
30010	

Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16
30711	11
30712	12
30713	13

Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 1/2
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

WILLIAMS®

36 PIECE 1/4" DRIVE SOCKET

6 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50604	36 Piece Socket Set

Contents Include:

1/4" Drive Tools

Product Code	Description
30011	Ratchet
30002	4" Extension
30004	6" Extension
30007	Universal Joint
30008	Sliding T-Handle

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30598	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Phillips Socket

Product Code	Description
35051	# 1
35052	# 2
35053	# 3

1/4" Drive Slotted Socket

Product Code	Size (MM)
35043	4
35044	5.5
35045	7

1/4" Drive Hex Bit Socket

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35075	8

1/4" Drive Torx Bit Socket

Product Code	Description
35079	T8
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30



50604

WILLIAMS®

32 PIECE 1/4" & 3/8" DRIVE BIT SOCKET SET

6 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50681	32 Piece 1/4" & 3/8" Drive Bit Socket Set

Contents Include:

1/4" Drive Torx Bit Socket

Product Code	Description
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27

3/8" Drive Torx Bit Socket

Product Code	Description
35185	T40
35186	T45
35187	T47
35188	T50

3/8" Drive Hex Bit Socket

Product Code	Size (MM)
35170	4
35171	5
35172	6
35173	7
35174	8
35175	9
35176	10

3/8" Drive Slotted Socket

Product Code	Size (SAE)
35140	1/4
35141	5/16
35142	3/8
35143	3/16

3/8" Drive Phillips Socket

Product Code	Description
35150	#1
35151	#2
35152	#3

3/8" Drive Hex Bit Socket

Product Code	Size (SAE)
35100	1/8
35101	9/64
35102	5/32
35103	3/16
35104	7/32
35105	1/4
35106	5/16
35107	3/8



50681

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

⚠ WARNING



50661

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

27 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE and Metric

Product Code	Description
50661	27 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 6 Point Sockets:		1/4" Drive Shallow 6 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (mm)
30001	5 1/4" Pear Head Ratchet	30106	3/16	30504	4
30002	1 1/2" Extension	30107	7/32	30505	5
30004	6" Extension	30108	1/4	30599	5.5
30006	Spinner Handle	30109	9/32	30506	6
30007	Universal Joint	30110	5/16	30507	7
		30111	11/32	30508	8
		30112	3/8	30509	9
		30114	7/16	30510	10
		30116	1/2	30511	11
		30118	9/16	30512	12
				30513	13
				30514	14



50662

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

21 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE

Product Code	Description
50662	21 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 6 Point Sockets:		1/4" Drive Deep 6 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (SAE)
30001	5 1/4" Pear Head Ratchet	30106	3/16	30308	1/4
30003	1 1/2" Extension	30107	7/32	30309	9/32
30004	3" Extension	30108	1/4	30310	5/16
30006	Spinner Handle	30109	9/32	30311	11/32
30007	6" Extension	30110	5/16	30312	3/8
		30111	11/32	30314	7/16
		30112	3/8	30316	1/2
		30114	7/16		
		30116	1/2		



50672

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

27 PIECE 1/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50672	27 Piece 1/4" Drive Socket and Drive Tool Set

Contents Include:

1/4" Drive Tools:		1/4" Drive Shallow 12 Point Sockets:		1/4" Drive Shallow 12 Point Sockets:	
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (mm)
30001	5-1/4" Pear Head Ratchet	30206	3/16	30604	4
30002	1-1/2" Extension	30207	7/32	30605	5
30004	6" Extension	30208	1/4	30699	5.5
30006	Spinner Handle	30209	9/32	30606	6
30007	Universal Joint	30210	5/16	30607	7
		30211	11/32	30608	8
		30212	3/8	30609	9
		30214	7/16	30610	10
		30216	1/2	30611	11
		30218	9/16	30612	12
				30613	13
				30614	14

WILLIAMS®

1/4" DRIVE ENCLOSED HEAD RATCHETS

Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
M-52EHA	Chrome Finish Enclosed Head Ratchet	5 1/4	36
M-52EHFA	Chrome Finish Flex Head Ratchet	7	36
MB-52EHA	Black Industrial Finish Enclosed Head Ratchet	5 1/4	36
M-52EHRKA	Repair Kit for Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  - Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  - Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



MB-52EHA



M-52EHFA



M-52EHA

WILLIAMS®

1/4" DRIVE ROUND HEAD RATCHET

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
M-52A	Chrome Finish Round Head Ratchet	5	72
M-52ARK	Repair Kit for Round Head Ratchet		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome plating provides increased protection from rust and corrosion.



M-52A

WILLIAMS®

1/4" DRIVE HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
M-106A	Spinner Handle	6
M-15A	Speeder Handle	15 1/2
M-42A	Flex Handle Breaker Bar	5 3/4
M-42RK	Repair Kit for Flex Handle	

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

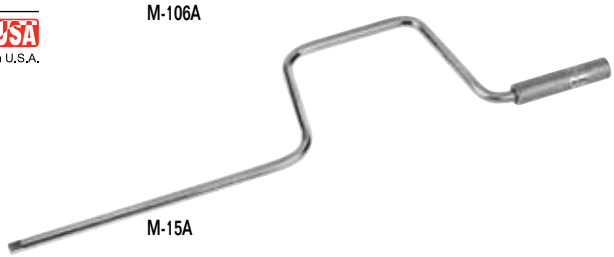
- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Spinner handle features 1/4" drive female handle end.



M-42A



M-106A



M-15A

⚠ WARNING







WILLIAMS®

1/4" DRIVE EXTENSIONS

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
M-102	Extension	2
M-104	Extension	4
M-115	Extension	6
M-110	Extension	10
M-124	Extension	24
MFE-6	Flexible Extension	6
M-140A	Universal Joint	1 7/16

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.

WILLIAMS®

1/4" DRIVE ADAPTORS

High-Polished Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish			
MB-130	1	3/8	1/4
Black Finish			
MB-130B	1	3/8	1/4
MB-131BA	1 1/8	1/4	3/8

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Ball and spring socket retention.

WILLIAMS®

1/4" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
30001	36 Tooth Quick-Release Ratchet	5 1/4	30001RK
30011	Ultra-Fine 60-Tooth Ratchet	5 1/4	30011RK
30005	Flex Handle	6	
30008	Sliding T-Handle	4 1/2	
30006	Spinner Handle	6 3/8	
30012	Square Drive Ratchet Wrench	5	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 1/4" Drive Ratchets Feature:
  - * Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head.
  - * Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
  - * Choice of 36-tooth quick-release or 60-tooth ultra-fine gear.
  - * Narrow pear-shaped heads for access into confined work areas.
  - * High-polished chrome finish for easy cleaning.
- Spinner handle features bi-mold comfort-grip handle.
- 30012 - Drives 1/4" Drive Sockets & 1/4" Hex Bits

WILLIAMS®

1/4" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
30002	Extension	1 ½
30003	Extension	3
30004	Extension	6
30007	Universal Joint Extension	1 ⅜
30009	Adaptor, 1/4" F x 3/8" M	1
30010	Spinner Disk	
30013	Holder for 1/4" Hex Screwdriver Bits	¾
30023	Locking Extension	4
30024	Locking Extension	6
30025	Locking Extension	10
30026	Locking Extension	12
30027	Locking Extension	18
30028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.





WILLIAMS®

6 PIECE 1/4" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in a Pouch

Product Code	Description
30920	6 Piece ¼" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
30001	36 Tooth Quick-Release Ratchet	30005	Flex Handle
30002	1 ½" Extension	30006	Spinner Handle
30004	6" Extension	30007	Universal Joint

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.



30920

WILLIAMS®

1/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
M-1208	¼	⅞	15/32	⅜	7/32	17/32	7/32	7/16
M-1210	5/16	⅞	15/32	15/32	9/32	17/32	7/32	-
M-1211	11/32	⅞	½	½	9/32	17/32	11/32	-
M-1212	⅜	⅞	17/32	17/32	9/32	17/32	⅜	-
M-1214	7/16	⅞	19/32	19/32	⅜	17/32	7/16	-
M-1216	½	⅞	11/16	11/16	⅜	17/32	½	-
M-1218	9/16	29/32	¾	¾	⅜	17/32	7/32	-

Fed. Spec: ANSI B107.1



M-1208 M-1212

WSM-7RC 7 Piece 1/4" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
M-1208	¼	M-1211	11/32	M-1214	7/16	M-1218	9/16
M-1210	5/16	M-1212	⅜	M-1216	½		

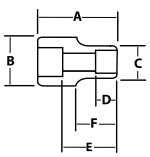


WSM-7RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



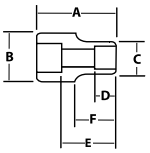
⚠ WARNING



M-610 M-606



WSM-11 HRC



WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
M-604	1/8	7/8	15/32	7/32	1/8	17/32	1/8	7/16
M-605	5/32	7/8	15/32	7/32	1/8	17/32	5/32	7/16
M-606	3/16	7/8	15/32	7/32	1/8	17/32	3/16	7/16
M-607	7/32	7/8	15/32	7/32	1/8	17/32	7/32	7/16
M-608	1/4	7/8	15/32	7/32	1/8	17/32	7/32	7/16
M-609	9/32	7/8	15/32	7/32	1/8	17/32	1/4	7/16
M-610	5/16	7/8	15/32	7/32	1/8	17/32	1/4	7/16
M-611	11/32	7/8	1/2	1/2	11/32	17/32	11/32	-
M-612	3/8	7/8	9/16	9/16	15/32	17/32	3/8	-
M-614	7/16	7/8	5/8	5/8	15/32	17/32	7/16	-
M-616	1/2	7/8	11/16	11/16	15/32	17/32	1/2	-
M-618	9/16	29/32	3/4	3/4	1/2	17/32	17/32	-
M-620	5/8	31/32	27/32	27/32	9/16	5/8	9/16	-

Fed. Spec: ANSI B107.1

WSM-11HRC 11 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
M-605	5/32	M-608	1/4	M-611	11/32	M-616	1/2
M-606	3/16	M-609	9/32	M-612	3/8	M-618	9/16
M-607	7/32	M-610	5/16	M-614	7/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



30210 30206



30923

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30206	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2
30207	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2
30208	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2
30209	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2
30210	5/16	1	15/32	15/32	5/16	19/32	1/4	-
30211	11/32	1	1/2	1/2	5/16	19/32	11/32	-
30212	3/8	1	9/16	9/16	11/32	19/32	3/8	-
30214	7/16	1	5/8	5/8	7/16	19/32	7/16	-
30216	1/2	1	11/16	11/16	7/16	19/32	1/2	-
30218	9/16	1	3/4	3/4	7/16	19/32	17/32	-

Fed. Spec: ANSI B107.1

30923 10 Piece 1/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30206	3/16	30209	9/32	30212	3/8	30218	9/16
30207	7/32	30210	5/16	30214	7/16		
30208	1/4	30211	11/32	30216	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30105	5/32	1	15/32	5/16	9/32	19/32	3/16	1/2
30106	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2
30107	7/32	1	15/32	11/32	5/16	19/32	7/32	1/2
30108	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2
30109	9/32	1	15/32	7/16	5/16	19/32	1/4	1/2
30110	5/16	1	15/32	15/32	5/16	19/32	1/4	-
30111	11/32	1	1/2	1/2	5/16	19/32	11/32	-
30112	3/8	1	9/16	9/16	11/32	19/32	3/8	-
30114	7/16	1	5/8	5/8	7/16	19/32	7/16	-
30116	1/2	1	11/16	11/16	7/16	19/32	1/2	-
30118	9/16	1	3/4	3/4	7/16	19/32	17/32	-

Fed. Spec: ANSI B107.1



30110 30106

30922 10 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30106	3/16	30109	9/32	30112	3/8	30118	9/16
30107	7/32	30110	5/16	30114	7/16		
30108	1/4	30111	11/32	30116	1/2		


30922

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS®

1/4" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
M-808	1/4	7/8	15/32	7/16	1/4	17/32	1/4	7/16
M-810	5/16	7/8	9/16	9/16	9/32	17/32	1/4	-
M-812	3/8	7/8	21/32	21/32	5/16	17/32	3/8	-


M-810

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 4 and 8 point fasteners.

Made in U.S.A.

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MD-1210	5/16	2	15/32	7/16	9/32	1 11/16	9/32	1 9/16
MD-1211	11/32	2	1/2	1/2	9/32	1 21/32	11/32	-
MD-1212	3/8	2	17/32	17/32	9/32	1 21/32	3/8	-
MD-1214	7/16	2	19/32	19/32	3/8	1 21/32	13/32	-
MD-1216	1/2	2	11/16	11/16	3/8	1 21/32	15/32	-
MD-1218	9/16	2	3/4	3/4	3/8	1 21/32	17/32	-

Fed. Spec: ANSI B107.1


MD-1216 MD-1210

WSMD-6RC 6 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MD-1210	5/16	MD-1212	3/8	MD-1216	1/2
MD-1211	11/32	MD-1214	7/16	MD-1218	9/16


WSMD-6RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.

⚠ WARNING



MD-605 MD-618



WSMD-10HRC

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MD-605	5/32	2	15/32	9/32	5/32	5/32	1 9/16
MD-606	3/16	2	15/32	5/16	3/16	3/16	1 9/16
MD-607	7/32	2	15/32	11/32	7/32	7/32	1 9/16
MD-608	1/4	2	15/32	3/8	7/32	7/32	1 9/16
MD-609	9/32	2	15/32	13/32	1/4	9/32	1 9/16
MD-610	5/16	2	15/32	7/16	9/32	9/32	1 9/16
MD-611	11/32	2	1/2	1/2	9/32	11/32	-
MD-612	3/8	2	17/32	17/32	9/32	3/8	-
MD-614	7/16	2	19/32	19/32	3/8	13/32	-
MD-616	1/2	2	11/16	11/16	3/8	15/32	-
MD-618	9/16	2	3/4	3/4	3/8	17/32	-

Fed. Spec: ANSI B107.1

WSMD-10HRC 10 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MD-606	3/16	MD-609	9/32	MD-612	3/8	MD-618	9/16
MD-607	7/32	MD-610	5/16	MD-614	7/16		
MD-608	1/4	MD-611	11/32	MD-616	1/2		

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



30410 30406



30937

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30406	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30407	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16
30408	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32
30409	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32
30410	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-
30411	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-
30412	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-
30414	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-
30416	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-
30418	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-

Fed. Spec: ANSI B107.1

30937 10 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30406	3/16	30409	9/32	30412	3/8	30418	9/16
30407	7/32	30410	5/16	30414	7/16		
30408	1/4	30411	11/32	30416	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS

1/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30305	5/32	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30306	3/16	1 31/32	15/32	5/16	5/16	1 5/16	1/8	1 1/32
30307	7/32	1 31/32	15/32	11/32	3/8	1 5/16	3/16	15/16
30308	1/4	1 31/32	15/32	7/16	13/16	1 11/32	7/32	1 1/32
30309	9/32	1 31/32	15/32	7/16	25/32	1 11/32	1/4	31/32
30310	5/16	1 31/32	15/32	15/32	13/16	1 5/16	9/32	-
30311	11/32	1 31/32	1/2	1/2	23/32	1 5/16	9/32	-
30312	3/8	1 31/32	9/16	9/16	7/8	1 11/32	5/16	-
30314	7/16	1 31/32	5/8	5/8	7/8	1 1/2	13/32	-
30316	1/2	1 31/32	11/16	11/16	27/32	1 17/32	7/16	-
30318	9/16	1 31/32	3/4	3/4	29/32	1 9/16	17/32	-

Fed. Spec: ANSI B107.1


30310 30306

30924 10 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail


30924

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
30306	3/16	30309	9/32	30312	3/8	30318	9/16
30307	7/32	30310	5/16	30314	7/16		
30308	1/4	30311	11/32	30316	1/2		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MM-604	4	7/8	15/32	9/32	3/16	17/32	5/32	7/16
MM-605	5	7/8	15/32	5/16	3/16	17/32	5/32	7/16
MM-605.5	5.5	7/8	15/32	11/32	3/16	17/32	7/32	7/16
MM-606	6	7/8	15/32	3/8	7/32	17/32	7/32	7/16
MM-607	7	7/8	15/32	13/32	1/4	17/32	1/4	7/16
MM-608	8	7/8	15/32	15/32	9/32	17/32	1/4	7/16
MM-609	9	7/8	1/2	1/2	1/2	17/32	5/16	-
MM-610	10	7/8	9/16	9/16	1/2	17/32	3/8	-
MM-611	11	7/8	19/32	19/32	1/2	17/32	13/32	-
MM-612	12	7/8	21/32	21/32	1/2	17/32	7/16	-
MM-613	13	7/8	23/32	23/32	15/32	17/32	15/32	-
MM-614	14	29/32	3/4	3/4	1/2	17/32	17/32	-

Fed. Spec: ANSI B107.5

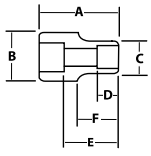

MM-608 MM-604

MSM-12HRC 12 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail


MSM-12HRC

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
MM-604	4	MM-606	6	MM-609	9	MM-612	12
MM-605	5	MM-607	7	MM-610	10	MM-613	13
MM-605.5	5 1/2	MM-608	8	MM-611	11	MM-614	14



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

USA Made in U.S.A.

⚠ WARNING




30925

WILLIAMS®

12 M

1/4" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
30604	4	1	15/32	1/4	1/4	19/32		1/2
30605	5	1	15/32	5/16	5/16	19/32		1/2
30699	5.5	1	15/32	11/32	15/32	19/32		1/2
30606	6	1	15/32	11/32	5/16	19/32		1/2
30607	7	1	15/32	7/16	5/16	15/32		1/2
30608	8	1	15/32	15/32	3/8	1/2		-
30609	9	1	17/32	17/32	3/8	21/32		-
30610	10	1	19/32	19/32	1/2	7/8		-
30611	11	1	5/8	5/8	17/32	7/8		-
30612	12	1	11/16	11/16	1/2	7/8		-
30613	13	1	23/32	23/32	1/2	7/8		-
30614	14	1	3/4	3/4	1/2	7/8		-

Fed. Spec: ANSI B107.5

30925 12 Piece 1/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30604	4	30606	6	30609	9	30612	12
30605	5	30607	7	30610	10	30613	13
30699	5.5	30608	8	30611	11	30614	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.




30926

WILLIAMS®

6 M

1/4" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
30504	4	1	15/32	1/4	1/4	19/32		1/2
30598	4.5	1	15/32	1/4	1/4	19/32		1/2
30505	5	1	15/32	5/16	5/16	19/32		1/2
30599	5.5	1	15/32	11/32	15/32	19/32		1/2
30506	6	1	15/32	11/32	5/16	19/32		1/2
30507	7	1	15/32	7/16	5/16	15/32		1/2
30508	8	1	15/32	15/32	3/8	1/2		-
30509	9	1	17/32	17/32	3/8	21/32		-
30510	10	1	19/32	19/32	1/2	7/8		-
30511	11	1	5/8	5/8	17/32	7/8		-
30512	12	1	11/16	11/16	1/2	7/8		-
30513	13	1	23/32	23/32	1/2	7/8		-
30514	14	1	3/4	3/4	1/2	7/8		-

Fed. Spec: ANSI B107.5

30926 12 Piece 1/4" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30504	4	30506	6	30509	9	30512	12
30505	5	30507	7	30510	10	30513	13
30599	5.5	30508	8	30511	11	30514	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS

1/4" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
MMD-604	4	2	15/32	9/32	3/16	1 21/32	1/8	1 9/16
MMD-605	5	2	15/32	5/16	3/16	1 21/32	5/32	1 9/16
MMD-605.5	5.5	2	15/32	5/16	7/32	1 21/32	7/32	1 9/16
MMD-606	6	2	15/32	3/8	7/32	1 21/32	7/32	1 9/16
MMD-607	7	2	15/32	13/32	1/4	1 21/32	1/4	1 9/16
MMD-608	8	2	15/32	15/32	9/32	1 21/32	1/4	1 9/16
MMD-609	9	2	1/2	1/2	9/32	1 21/32	5/16	-
MMD-610	10	2	9/16	9/16	9/32	1 21/32	3/8	-
MMD-611	11	2	19/32	19/32	3/8	1 21/32	13/32	-
MMD-612	12	2	21/32	21/32	3/8	1 21/32	7/16	-
MMD-613	13	2	23/32	23/32	3/8	1 21/32	15/32	-
MMD-614	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.5



MMD-614 MMD-606

MSMD-12HRC 12 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
MMD-604	4	MMD-606	6	MMD-609	9	MMD-612	12
MMD-605	5	MMD-607	7	MMD-610	10	MMD-613	13
MMD-605.5	5.5	MMD-608	8	MMD-611	11	MMD-614	14



MSMD-12HRC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.

WILLIAMS

1/4" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30804	4	2	15/32	9/32	3/16	1 21/32	1/8	15/16
30805	5	2	15/32	5/16	3/16	1 21/32	5/32	15/16
30855	5.5	2	15/32	5/16	7/32	1 21/32	7/32	15/16
30806	6	2	15/32	3/8	7/32	1 21/32	7/32	15/16
30807	7	2	15/32	13/32	1/4	1 21/32	1/4	15/16
30808	8	2	15/32	15/32	9/32	1 21/32	1/4	15/16
30809	9	2	1/2	1/2	9/32	1 21/32	5/16	-
30810	10	2	9/16	9/16	9/32	1 21/32	3/8	-
30811	11	2	19/32	19/32	3/8	1 21/32	13/32	-
30812	12	2	21/32	21/32	3/8	1 21/32	7/16	-
30813	13	2	23/32	23/32	3/8	1 21/32	15/32	-
30814	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.5



30808 30804

30941 12 Piece 1/4" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30804	4	30806	6	30809	9	30812	12
30805	5	30807	7	30810	10	30813	13
30855	5.5	30808	8	30811	11	30814	14



30941

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on both 6 and 12 point fasteners.

⚠ WARNING



30708 30704



30939

WILLIAMS®

1/4" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
30704	4	2	15/32	9/32	3/16	1 21/32	1/8	5/16
30705	5	2	15/32	5/16	3/16	1 21/32	5/32	5/16
30755	5.5	2	15/32	5/16	7/32	1 21/32	7/32	5/16
30706	6	2	15/32	3/8	7/32	1 21/32	7/32	5/16
30707	7	2	15/32	13/32	1/4	1 21/32	1/4	5/16
30708	8	2	15/32	15/32	9/32	1 21/32	1/4	5/16
30709	9	2	1/2	1/2	9/32	1 21/32	5/16	-
30710	10	2	9/16	9/16	9/32	1 21/32	3/8	-
30711	11	2	19/32	19/32	3/8	1 21/32	13/32	-
30712	12	2	21/32	21/32	3/8	1 21/32	7/16	-
30713	13	2	23/32	23/32	3/8	1 21/32	15/32	-
30714	14	2	3/4	3/4	7/16	1 21/32	17/32	-

Fed. Spec: ANSI B107.5

30939 12 Piece 1/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
30704	4	30706	6	30709	9	30712	12
30705	5	30707	7	30710	10	30713	13
30755	5.5	30708	8	30711	11	30714	14

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



MA-4A



WSM-11TRC

WILLIAMS®

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-050A	.050	7/8	15/32	1 1/2	BITH05001
MA-2A	1/16	7/8	15/32	1 1/2	BITH0201
MA-2 1/2A	5/64	7/8	15/32	1 1/2	BITH2.501
MA-3A	3/32	7/8	15/32	1 1/2	BITH0301
MA-3 1/2A	7/64	7/8	15/32	1 1/2	BITH3.501
MA-4A	1/8	7/8	15/32	1 1/2	BITH0401
MA- 4 1/2A	9/64	7/8	15/32	1 1/2	BITH4.501
MA-5A	5/32	7/8	15/32	1 1/2	BITH0501
MA-6A	3/16	7/8	15/32	1 1/2	BITH0601
MA-7A	7/32	7/8	15/32	1 1/2	BITH0701
MA-8A	1/4	7/8	15/32	1 1/2	BITH0801
MA-10A	5/16	7/8	15/32	1 1/2	BITH1001

WSM-11TRC 11 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-2A	1/16	MA-4A	1/8	MA-7A	7/32
MA-2 1/2A	5/64	MA-4 1/2A	9/64	MA-8A	1/4
MA-3A	3/32	MA-5A	5/32	MA-10A	5/16
MA-3 1/2A	7/64	MA-6A	3/16		

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WILLIAMS®

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35000	1/8	13/16	15/32	1 13/32	5/8
35001	5/32	13/16	15/32	1 13/32	5/8
35002	3/16	13/16	15/32	1 13/32	5/8
35003	7/32	13/16	15/32	1 13/32	5/8
35004	1/4	13/16	15/32	1 13/32	5/8
35005	5/16	13/16	15/32	1 13/32	5/8


35000

30902 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35000	1/8	35002	3/16	35004	1/4
35001	5/32	35003	7/32	35005	5/16


30902

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/4" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35070	3	13/16	15/32	1 13/32	5/8
35071	4	13/16	15/32	1 13/32	5/8
35072	5	13/16	15/32	1 13/32	5/8
35073	6	13/16	15/32	1 13/32	5/8
35074	7	13/16	15/32	1 13/32	5/8
35075	8	13/16	15/32	1 13/32	5/8


35070

30904 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35070	3	35072	5	35074	7
35071	4	35073	6	35075	8


30904

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/4" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code (Inches)
MA-3HBA	3/32	7/8	15/32	1 1/2	BITHB03-01
MA-4HBA	1/8	7/8	15/32	1 1/2	BITHB04-01
MA-4½HBA	9/64	7/8	15/32	1 1/2	BITHB4.5-01
MA-5HBA	5/32	7/8	15/32	1 1/2	BITHB05-01
MA-6HBA	3/16	7/8	15/32	1 1/2	BITHB06-01
MA-7HBA	7/32	7/8	15/32	1 1/2	BITHB07-01
MA-8HBA	1/4	7/8	15/32	1 1/2	BITHB08-01


MA-3HBA

WSM-7HBA 7 Piece Ball Tip Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-3HBA	3/32	MA-5HBA	5/32	MA-8HBA	1/4
MA-4HBA	1/8	MA-6HBA	3/16		
MA-4½HBA	9/64	MA-7HBA	7/32		

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.


WSM-7HBA

⚠ WARNING



MA-5LA



WSMS-9LRC

WILLIAMS®

1/4" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-3LA	3/32	7/8	15/32	3	BITH03-02
MA-3 1/2LA	7/64	7/8	15/32	3	BITH3.5-02
MA-4LA	1/8	7/8	15/32	3	BITH04-02
MA-4 1/2LA	9/64	7/8	15/32	3	BITH4.5-02
MA-5LA	5/32	7/8	15/32	3	BITH05-02
MA-6LA	3/16	7/8	15/32	3	BITH06-02
MA-7LA	7/32	7/8	15/32	3	BITH07-02
MA-8LA	1/4	7/8	15/32	3	BITH08-02
MA-10LA	5/16	7/8	15/32	3	BITH10-02

WSMS-9LRC 9 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
MA-3LA	3/32	MA-4 1/2LA	9/64	MA-7LA	7/32
MA-3 1/2LA	7/64	MA-5LA	5/32	MA-8LA	1/4
MA-4LA	1/8	MA-6LA	3/16	MA-10LA	5/16

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

USA Made in U.S.A.



35020



30943

WILLIAMS®

1/4" DRIVE MID LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35020	1/8	25/32	15/32	1 13/16	1
35021	5/32	25/32	15/32	1 13/16	1
35022	3/16	25/32	15/32	1 13/16	1
35023	7/32	25/32	15/32	1 13/16	1
35024	1/4	25/32	15/32	1 13/16	1
35025	5/16	25/32	15/32	1 13/16	1

30943 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35020	1/8	35022	3/16	35024	1/4
35021	5/32	35023	7/32	35025	5/16

Features

- High-polished chrome finish socket cleans easily.



35063



30945

WILLIAMS®

1/4" DRIVE MID LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35063	3	25/32	15/32	1 13/16	1
35064	4	25/32	15/32	1 13/16	1
35065	5	25/32	15/32	1 13/16	1
35066	6	25/32	15/32	1 13/16	1
35067	7	25/32	15/32	1 13/16	1
35068	8	25/32	15/32	1 13/16	1

30945 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35063	3	35065	5	35067	7
35064	4	35066	6	35068	8

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/4" DRIVE STUBBY HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
MA-4SA	1/8	7/8	15/32	1 1/16	TMAXS4E2
MA-4.5SA	9/64	7/8	15/32	1 1/16	TMAXS4.5E2
MA-5SA	5/32	7/8	15/32	1 1/16	TMAXS5E2
MA-6SA	3/16	7/8	15/32	1 1/16	TMAXS6E2


MA-45A

WSM-4TRC 4 Piece Stubby Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
MA-4SA	1/8	MA-5SA	5/32
MA-4.5SA	9/64	MA-6SA	3/16


WSM-4TRC

Features
- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.
- Extra-short bits provide access in confined areas.

Made in U.S.A.

WILLIAMS®

1/4" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35079	T8	13/16	1/2	1 13/32	5/8
35080	T10	13/16	1/2	1 13/32	5/8
35081	T15	13/16	1/2	1 13/32	5/8
35082	T20	13/16	1/2	1 13/32	5/8
35083	T25	13/16	1/2	1 13/32	5/8
35084	T27	13/16	1/2	1 13/32	5/8
35085	T30	13/16	1/2	1 13/32	5/8


35080

30908 6 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35080	T10	35082	T20	35084	T27
35081	T15	35083	T25	35085	T30


30908

Features
- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/4" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Tip Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Slotted Bits:					
35040	5/32	13/16	15/32	1 13/32	5/8
35041	7/32	13/16	15/32	1 13/32	5/8
35042	9/32	13/16	15/32	1 13/32	5/8
Phillips® Bits:					
35050	#0	13/16	15/32	1 13/32	5/8
35051	#1	13/16	15/32	1 13/32	5/8
35052	#2	13/16	15/32	1 13/32	5/8
35053	#3	13/16	15/32	1 13/32	5/8


30906

30906 6 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size (Inches)	Product Code	Tip Size (Inches)	Product Code	Tip Size
35040	5/32	35042	9/32	35051	#1
35041	7/32	35050	#0	35052	#2

Features
- High-polished chrome finish socket cleans easily.

⚠ WARNING



WSB-56FTB

WILLIAMS®

8 12 F

56 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, with Metal Box

Product Code	Description
WSB-56FTB	56 Piece Tool Set with TB-104 Metal Tool Box (Keep-Safe-Foam is not included)
WSB-56F	56 Piece Tool Set Only Packed in Keep-Safe-Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint
B-20A	Sliding T-Handle

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1208	1/4
B-1210	5/16
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8
B-1230	15/16
B-1232	1

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8
BD-1230	15/16
BD-1232	1

Shallow 8-Point Sockets

Product Code	Size (Inches)
BD-808	1/4
BD-810	5/16
BD-812	3/8
BD-814	7/16
BD-816	1/2

Shallow 12-Point Universal Sockets

Product Code	Size (Inches)
BU-1212	3/8
BU-1214	7/16
BU-1216	1/2
BU-1218	9/16
BU-1220	5/8
BU-1222	11/16
BU-1224	3/4

Standard Hex Bit Sockets

Product Code	Size (Inches)
BA-4A	1/8
BA-5A	5/32
BA-6A	3/16
BA-7A	7/32
BA-8A	1/4
BA-10A	5/16
BA-12A	3/8

Screwdriver Bit Sockets

Product Code	Size
BA-7A-2S	7/32" x .040"
BA-10A-3S	9/32" x .045"
BA-10A-4S	5/16" x .055"
BA-7A-2P	#2
BA-10A-3P	#3
BA-12A-4P	#4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

WILLIAMS

8 12 F

32 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-32FTB	32 Piece Tool Set with TB-104 Metal Tool Box
WSB-32F	32 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-115	11" Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Shallow 8-Point Sockets

Product Code	Size (Inches)
BD-808	1/4
BD-810	5/16
BD-812	3/8

Shallow 12-Point Universal Sockets

Product Code	Size (Inches)
BU-1212	3/8
BU-1214	7/16
BU-1216	1/2
BU-1218	9/16
BU-1220	5/8

Made in U.S.A.



Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.



WSB-32FTB

⚠ WARNING

WILLIAMS

27 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET



WSB-27FTB

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-27FTB	27 Piece Tool Set with TB-104 Metal Tool Box
WSB-27F	27 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1208	1/4
B-1210	5/16
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8
B-1230	15/16
B-1232	1

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS

23 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET



WSB-23HFTB

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-23HFTB	23 Piece Tool Set with TB-102 Metal Tool Box
WSB-23HF	23 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16
B-620	5/8
B-622	11/16
B-624	3/4
B-626	13/16
B-628	7/8

Deep 6-Point Sockets

Product Code	Size (Inches)
BD-612	3/8
BD-614	7/16
BD-616	1/2
BD-618	9/16
BD-620	5/8
BD-622	11/16
BD-624	3/4
BD-626	13/16
BD-628	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS

23 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-23FTB	23 Piece Tool Set with TB-102 Metal Tool Box
WSB-23F	23 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Deep 12-Point Sockets

Product Code	Size (Inches)
BD-1212	3/8
BD-1214	7/16
BD-1216	1/2
BD-1218	9/16
BD-1220	5/8
BD-1222	11/16
BD-1224	3/4
BD-1226	13/16
BD-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSB-23FTB

WILLIAMS

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-15FTB	15 Piece Tool Set with TB-102 Metal Tool Box
WSB-15F	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-1212	3/8
B-1214	7/16
B-1216	1/2
B-1218	9/16
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSB-15FTB

⚠ WARNING



WSB-12HFTB

WILLIAMS

12 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSB-12HFTB	12 Piece Tool Set with TB-101 Metal Tool Box
WSB-12HF	12 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16
B-620	5/8
B-622	11/16
B-624	3/4
B-626	13/16
B-628	7/8

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.



WSMB-29FTB

WILLIAMS

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point SAE & Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSMB-29FTB	29 Piece Tool Set with TB-103 Metal Tool Box
WSMB-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension

Drive Tools:

Product Code	Description
B-110	6" Extension
B-140A	Universal Joint

Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
B-608	1/4
B-610	5/16
B-612	3/8
B-614	7/16
B-616	1/2
B-618	9/16

Shallow 6-Point Sockets, mm

Product Code	Metric Size (mm)
BM-606	6
BM-607	7
BM-608	8
BM-609	9
BM-610	10
BM-611	11
BM-612	12
BM-613	13
BM-614	14
BM-615	15
BM-616	16
BM-617	17
BM-618	18
BM-619	19

Shallow 12-point Sockets, SAE

Product Code	Size (Inches)
B-1220	5/8
B-1222	11/16
B-1224	3/4
B-1226	13/16
B-1228	7/8

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

WILLIAMS

6 12 M

39 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-39FTB	39 Piece Tool Set with TB-104 Metal Tool Box
MSB-39F	39 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension
B-115	11" Extension
BFE-8	8" Flexible Extension
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Drive Tools:

Product Code	Description
B-20A	Sliding T-Handle
B-70	Ratchet Spinner

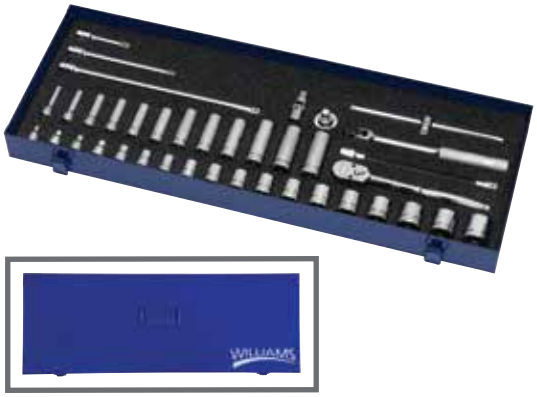
Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1206	6
BM-1207	7
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13
BM-1214	14
BM-1215	15
BM-1216	16
BM-1217	17
BM-1218	18
BM-1219	19
BM-1220	20
BM-1221	21
BM-1222	22
BM-1224	24

Features

USA Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-39FTB

⚠ WARNING



MSB-29HFTB

WILLIAMS

6 M

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-29HFTB	29 Piece Tool Set with TB-103 Metal Tool Box
MSB-29HF	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (MM)
BM-608	8
BM-609	9
BM-610	10
BM-611	11
BM-612	12
BM-613	13
BM-614	14
BM-615	15
BM-616	16
BM-617	17
BM-618	18
BM-619	19

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

USA Made in U.S.A.



MSB-29FTB

WILLIAMS

6 12 M

29 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-29FTB	29 Piece Tool Set with TB-103 Metal Tool Box
MSB-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13
BM-1214	14
BM-1215	15
BM-1216	16
BM-1217	17
BM-1218	18
BM-1219	19

Deep 6-Point Sockets

Product Code	Size (MM)
BMD-608	8
BMD-609	9
BMD-610	10
BMD-611	11
BMD-612	12
BMD-613	13
BMD-614	14
BMD-615	15
BMD-616	16
BMD-617	17
BMD-618	18
BMD-619	19

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

USA Made in U.S.A.

WILLIAMS

18 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-18HFTB	18 Piece Tool Set with TB-102 Metal Tool Box
MSB-18HF	18 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension

Drive Tools:

Product Code	Description
B-110	6" Extension
B-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (MM)
BM-606	6
BM-607	7
BM-608	8
BM-609	9
BM-610	10
BM-611	11
BM-612	12

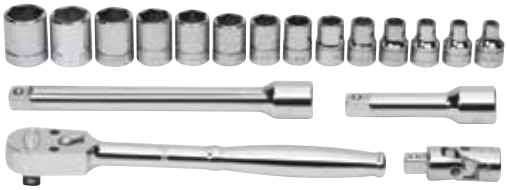
Shallow 6-Point Sockets

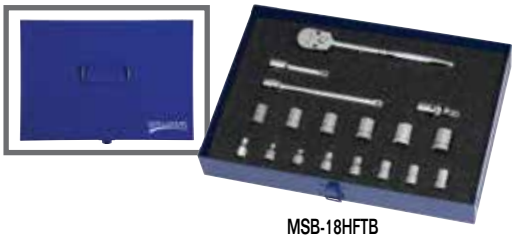
Product Code	Size (MM)
BM-613	13
BM-614	14
BM-615	15
BM-616	16
BM-617	17
BM-618	18
BM-619	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-18HFTB

WILLIAMS

17 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-17FTB	17 Piece Tool Set with TB-102 Metal Tool Box
MSB-17F	17 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension
B-110	6" Extension

Drive Tools:

Product Code	Description
B-40A	8 9/16" Flex Handle
B-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12
BM-1213	13

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1214	14
BM-1215	15
BM-1216	16
BM-1217	17
BM-1218	18
BM-1219	19

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





MSB-17FTB

⚠ WARNING





MSB-16FTB

WILLIAMS®

12 M

16 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSB-16FTB	16 Piece Tool Set with TB-102 Metal Tool Box
MSB-16F	16 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
B-52EHA	8" Enclosed Head Ratchet
B-108	3" Extension

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1208	8
BM-1209	9
BM-1210	10
BM-1211	11
BM-1212	12

Shallow 12-Point Sockets

Product Code	Size (MM)
BM-1213	13
BM-1214	14
BM-1216	16
BM-1217	17
BM-1218	18
BM-1220	20
BM-1221	21
BM-1222	22
BM-1224	24

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.





WSBHMD-7

WILLIAMS®

7 PIECE 3/8" DRIVE IMPACT DRIVER SET

Packed in Exclusive Keep-Safe-Foam System

Product Code	Description
WSBHMD-7	7 Piece Impact Driver Set

Contents Include:

Product Code	Description	Product Code	Description
BHMD-30	Hand Impact Driver	BA-7A-2P	#2 Phillips® Bit Socket
BA-7A-2S	7/32" x .040" Slotted Bit Socket	BA-10A-3P	#3 Phillips® Bit Socket
BA-10A-3S	9/32" x .045" Slotted Bit Socket	BA-12A-4P	#4 Phillips® Bit Socket
BA-10A-4S	5/16" x .055" Slotted Bit Socket		

Features

Made in U.S.A.

- Ideal for loosening screws that cannot be loosened with an ordinary screwdriver.
- Impact driver is struck with a hammer to provide turning power.
- Hammer blow forces bit into screw head to reduce stripping.
- Hand impact driver can be used with all 3/8" drive sockets, such as 6-point and hex-bit sockets.



WSB-6ADPA

WILLIAMS®

6 PIECE ADAPTOR SET

Black Finish and Impact, Furnished on Clip Rail

Product Code	Description
WSB-6ADPA	6 Piece Adaptor Set

Contents Include:

Product Code	Description	Product Code	Description
MB-130B	1/4" F x 3/8" M, Black Finish	4-2A	1/2" F x 3/8" M, Impact, Black
MB-131BA	3/8" F x 1/4" M, Black Finish	4-6	1/2" F x 3/4" M, Impact, Black
BS-130B	3/8" F x 1/2" M, Black Finish	6-4A	3/4" F x 1/2" M, Impact, Black

Features

Made in U.S.A.

- Impact adaptors are suitable for use on electric and air impact wrenches.
- Black finish adaptors are designed for use with hand drive tools.

WILLIAMS

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614	146 Piece 1/4", 3/8", 1/2" Drive Socket Set



50614

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33003	3" Extension
33006	18" Sliding T-handle
30007	Universal Joint
30009	Adaptor 1/4" F x 3/8" M

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32412	3/8
32414	7/16
32416	1/2
32418	9/16
32420	5/8
32422	11/16
32424	3/4
32426	13/16
32428	7/8
32430	15/16
32432	1

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠ WARNING

WILLIAMS

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612	138 Piece 1/4", 3/8", 1/2" Drive Socket Set



50612

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33002	4" Extension
33003	8" Extension
33006	18" Sliding T-handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
31710	10
31711	11
31712	12
31713	13
31714	14
31715	15
31716	16
31717	17
31718	18
31719	19

3/8" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
31312	3/8
31314	7/16
31316	1/2
31318	9/16
31320	5/8
31322	11/16
31324	3/4
31326	13/16
31328	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32002	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
32510	10
32511	11
32512	12
32513	13
32514	14
32515	15
32516	16
32517	17
32518	18
32519	19
32521	21
32522	22
32524	24
32527	27
32530	30
32532	32

1/2" Drive Shallow 6 Point Sockets,SAE

Product Code	Size (Inches)
32112	3/8
32114	7/16
32116	1/2
32118	9/16
32120	5/8
32122	11/16
32124	3/4
32126	13/16
32128	7/8
32130	15/16
32132	1
32134	1 1/16
32136	1 1/8
32138	1 3/16
32140	1 1/4

WILLIAMS

6 12 F

95 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET & TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50611	95 Piece Master Socket, Wrench, and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1 1/2" Extension
30003	3" Extension
30005	Flex Handle
30006	Spinner Handle
30007	Universal Joint
30009	1/4" F x 3/8" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Deep 6-Point Sockets

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2
30318	9/16

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	1/4" x 4" Slotted
24249	#1 x 3" Phillips®
24253	#2 x 4" Phillips®

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Deep 12-Point Sockets

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8
11122	11/16
11124	3/4



50611

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.




⚠ WARNING



50622

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

6 12 M F

89 PIECE 1/4" & 3/8" DRIVE MASTER SOCKET AND TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50622	89 Piece Master Socket, Wrench and Screwdriver Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30001	36 Tooth Quick-Release Ratchet
30002	1½" Extension
30003	3" Extension
30005	Flex Handle
30006	Spinner Handle
30007	Universal Joint
30009	¼" F x ⅜" M Adapter

1/4" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
30504	4
30505	5
30599	5 ½
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Hex Bit Sockets

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips® Tip
35051	#1 Phillips® Tip
35052	#2 Phillips® Tip

1/4" Drive Torx® Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	⅜" F x ¼" M Adapter
31009	⅜" F x ½" M Adapter

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets

Product Code	Size (MM)
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	¼" x 4" Slotted
24249	#1 x 3" Phillips®
24253	#2 x 4" Phillips®

12 Point Combination Wrenches

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19

WILLIAMS

79 PIECE 3/8" DRIVE DELUXE TOOL SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric, with 1/4" Hex Screwdriver Bits

Product Code	Description
50607	79 Piece 3/8" Drive Deluxe Tool Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive, SAE Deep 12-Point Sockets

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12-Point Sockets, Metric

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip



50607

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠ WARNING



50605

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

6 12 F M

63 PIECE 3/8" DRIVE SOCKET, SCREWDRIVER, & WRENCH SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50605	63 Piece 3/8" Drive Socket, Screwdriver, and Wrench Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter

12 Point Combination Wrenches

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	1/4" x 4" Slotted
24249	#1 x 3" Phillips®
24253	#2 x 4" Phillips®

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

WILLIAMS

58 PIECE 3/8" DRIVE SOCKET, SCREWDRIVER, & PLIERS SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50615	58 Piece 3/8" Drive Socket, Screwdriver and Pliers Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	38 Tooth Quick-Release Ratchet
31002	3" Extension
31003	6" Extension
31004	10" Extension
31005	10" Flex Handle
31006	Universal Joint
31007	Sliding T-Handle
31008	3/8" F x 1/4" M Adapter
31009	3/8" F x 1/2" M Adapter
31013	1/4" Hex Bit Holder

Adjustable Wrench

Product Code	Size (Inches)
13408	8"

Pliers

Product Code	Description
23102	8" Slip Joint Pliers
23105	9 3/4" Groove Joint Pliers
23407	7" Diagonal Cutting Pliers
23410	6 1/4" Long Nose Pliers W / Cutter

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

3/8" Drive Shallow 6-Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Shallow 6-Point Sockets, Metric

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip



50615

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠ WARNING



50613

WILLIAMS®

35 PIECE 3/8" DRIVE BASIC TOOL SET

6 Point Rugged-Case-System Tool Set, Metric, with 1/4" Hex Screwdriver Bits

Product Code	Description
50613	35 Piece Basic Tool Set, Metric

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31013	1/4" Hex Bit Holder

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS

34 PIECE 3/8" DRIVE BASIC TOOL SET

6 Point Rugged-Case-System Tool Set, SAE, with 1/4" Hex Screwdriver Bits

Product Code	Description
50603	34 Piece Basic Tool Set, SAE


50603

Contents Include:

1/4" Drive Tools:

Product Code	Description
30006	Spinner Handle
30007	Universal Joint
30013	1/4" Hex Bit Holder

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31013	1/4" Hex Bit Holder

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24803	5/32" Slotted Tip
24805	3/16" Slotted Tip
24807	1/4" Slotted Tip
24809	#0 Phillips® Tip
24811	#1 Phillips® Tip
24813	#2 Phillips® Tip
24815	#3 Phillips® Tip

1/4" Hex Screwdriver Bits

Product Code	Description / Size
24819	#1 Square Tip
24821	#2 Square Tip
24911	1/8" Hex Tip
24915	5/32" Hex Tip
24919	7/32" Hex Tip
24921	1/4" Hex Tip

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS

22 PIECE 3/8" DRIVE BOLT THRU SOCKET SET

6 Point Compact Case Tool Set, SAE & MM

Product Code	Description
50671	22 Piece 3/8" Drive Bolt Thru Socket Set


50671

Contents Include:

3/8" Drive Tools:

Product Code	Description
31018	Locking Flexible Ratchet
31019	3" Extension
31020	Adaptor

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31612BT	3/8
31614BT	7/16
31616BT	1/2
31618BT	9/16
31620BT	5/8
31622BT	11/16
31624BT	3/4

3/8" Drive Shallow 6-Point Sockets

Product Code	Size (mm)
31708BT	8
31709BT	9
31710BT	10
31711BT	11
31712BT	12
31713BT	13
31714BT	14
31715BT	15
31716BT	16
31717BT	17
31718BT	18
31719BT	19

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Ratchet with 7 locking positions and flex head design.

⚠ WARNING



50664

WILLIAMS

18 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Compact Case Tool Set, SAE

Product Code	Description
50664	18 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:

Product Code	Description
31001	7 3/4" Pear Head Ratchet
31002	3" Extension
31003	6" Extension

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (Inches)
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4

3/8" Drive Spark Plug Socket:

Product Code	Size (Inches)
31301	5/8

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50666

WILLIAMS

47 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 & 12 Point Compact Case Tool Set, SAE & Metric

Product Code	Description
50666	47 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/84" Drive Tools:

Product Code	Description
31001	5 1/4" Pear Head Ratchet
31002	3" Extension
31003	1 1/2" Extension
31006	Universal Joint

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Inches)
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

3/8" Drive Shallow 6 Point Sockets:

Product Code	Size (Metric)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (SAE)
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4

3/8" Drive Deep 12 Point Sockets:

Product Code	Size (Metric)
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50673	15 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31001	7 3/4" Pear Head Ratchet	31208	1/4	31216	1/2	31224	3/4
31002	3" Extension	31210	5/16	31218	9/16	31226	13/16
31003	6" Extension	31212	3/8	31220	5/8	31228	7/8
31006	Universal Joint	31214	7/16	31222	11/16		

Features
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50673

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, SAE

Product Code	Description
50663	15 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31001	7 3/4" Pear Head Ratchet	31108	1/4	31116	1/2	31124	3/4
31002	3" Extension	31110	5/16	31118	9/16	31126	13/16
31003	6" Extension	31112	3/8	31120	5/8	31128	7/8
31006	Universal Joint	31114	7/16	31122	11/16		

Features
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50663

WILLIAMS®

15 PIECE 3/8" DRIVE SOCKET AND DRIVE TOOL SET

6 Point Compact Case Tool Set, Metric

Product Code	Description
50665	16 Piece 3/8" Drive Socket and Drive Tool Set

Contents Include:

3/8" Drive Tools:		3/8" Drive Shallow 12 Point Sockets:					
Product Code	Description	Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
31001	7 3/4" Pear Head Ratchet	31508	8	31512	12	31516	16
31002	3" Extension	31509	9	31513	13	31517	17
31003	6" Extension	31510	10	31514	14	31518	18
31006	Universal Joint	31511	11	31515	15	31519	19

Features
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50665

⚠ WARNING



B-52EHA



B-52EHLA



B-52EHF



BB-52EHA

WILLIAMS®

3/8" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
B-52EHA	Chrome Finish Enclosed Head Ratchet	8	36
B-52EHLA	Chrome Finish Enclosed Head Ratchet, Long	10 1/4	36
B-52EHFA	Chrome Finish Flex Head Ratchet	9 11/16	36
BB-52EHA	Black Industrial Finish Enclosed Head Ratchet	8	36
B-52EHRKA	Repair Kit "EHA, EHLA, EHFA" Model Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.



B-52A



BB52A



B-53A

WILLIAMS®

3/8" DRIVE ROUND HEAD RATCHETS

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
B-52A	Chrome Finish Round Head Ratchet	7 5/8	72
B-53A	Chrome Finish Round Head Ratchet, Long	10 1/2	72
BB-52A	Black Industrial Finish Round Head Ratchet	7 5/8	72
B-52ARK	Repair Kit for Round Head Ratchets		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.

WILLIAMS

3/8" DRIVE HANDLES

Knurled Handle, High-Polished Chrome Finish

Product Code	Description	Length (Inches)
B-40A	Flex Handle	8 9/16
B-20A	Sliding T-Handle	7 15/16
B-15	Speeder Handle	18

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.



WILLIAMS

3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
B-101	Extension	1 1/2
B-108	Extension	3
B-110	Extension	6
B-115	Extension	11
B-118	Extension	18
BFE-8	Flexible Extension	8
B-140A	Universal Joint	2
B-70	Ratchet Spinner Disk	1 1/4

Fed. Spec: ANSI B107.10M

WSB-5XT 5 Piece Extension Set in Pouch – 049605

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
B-101	1 1/2	B-115	11
B-108	3	B-118	18
B-110	6		

Features

- Chrome plating provides increased protection from rust and corrosion.
- Flexible extension is designed for low torque applications in limited access areas.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.

Made in U.S.A.





WILLIAMS

3/8" DRIVE ADAPTORS

High-Polished Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish			
BS-130	1 5/16	1/2	3/8
Black Industrial Finish			
BS-130B	1 5/16	1/2	3/8
BS-131BF	1 5/16	3/8	1/2

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Ball and spring socket retention.



⚠ WARNING


31016


31011


11920


31001


31007


31005


31013


31006


31008


31009


31002


31003


31004


31028

31027


31026


31920

WILLIAMS®

3/8" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
31001	38 Tooth Quick-Release Ratchet	7 3/4	31001RK
31011	Ultra-Fine 60-Tooth Ratchet	7 3/4	31011RK
31005	Flex Handle	10	
11920	Flex Handle, Comb. 3/8" x 1/2" Drive	10	
31007	Sliding T-Handle	7 3/4	
31016	3/8" Drive Spinner Handle	9	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 3/8" Drive Ratchets Feature:
  - Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head.
  - Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
  - Choice of 38-tooth quick-release or 60-tooth ultra-fine gear.
  - Narrow pear-shaped heads for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Spinner handle features bi-mold comfort-grip handle.
- Unique combination 3/8" x 1/2" drive flex handle offers convenience of both drive sizes on one handle.

WILLIAMS®

3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
31002	Extension	3
31003	Extension	6
31004	Extension	10
31006	Universal Joint	2
31008	Adaptor, 3/8" F x 1/4" M	1
31009	Adaptor, 3/8" F x 1/2" M	1 1/4
31013	Holder for 1/4" Hex Screwdriver Bits	3/4
31023	Locking Extension	3
31024	Locking Extension	6
31025	Locking Extension	10
31026	Locking Extension	12
31027	Locking Extension	18
31028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS®

6 PIECE 3/8" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in a Pouch

Product Code	Description
31920	6 Piece 3/8" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
31001	38 Tooth Quick-Release Ratchet	31005	10" Flex Handle Breaker Bar
31002	3" Extension	31006	Universal Joint
31004	10" Extension	31007	7 3/4" Sliding T-Handle

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.

WILLIAMS

3/8" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
B-1208	1/4	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
B-1210	5/16	1 1/32	11/16	7/16	1/4	9/16	17/64	17/32
B-1211	11/32	1 1/32	11/16	1/2	9/32	9/16	21/64	17/32
B-1212	3/8	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
B-1214	7/16	1 1/32	11/16	5/8	5/16	9/16	11/32	17/32
B-1216	1/2	1 1/32	23/32	23/32	11/32	3/8	3/8	-
B-1217	17/32	1 1/32	25/32	25/32	13/32	3/4	1/2	-
B-1218	9/16	1 3/32	25/32	25/32	9/16	19/32	17/32	-
B-1219	19/32	1 3/32	25/32	25/32	9/16	9/16	9/16	-
B-1220	5/8	1 1/8	27/32	27/32	19/32	5/8	19/32	-
B-1222	11/16	1 5/32	15/16	15/16	5/8	5/8	11/16	-
B-1224	3/4	1 3/16	1	1	11/16	11/16	23/32	-
B-1226	13/16	1 1/4	1 1/16	1 1/16	11/16	11/16	25/32	-
B-1228	7/8	1 9/32	1 5/32	1 5/32	25/32	25/32	7/8	-
B-1230	15/16	1 3/8	1 1/4	1 1/4	13/16	27/32	29/32	-
B-1232	1	1 13/32	1 5/16	1 5/16	27/32	7/8	1	-

Fed. Spec: ANSI B107.1



WSB-10RC 10 Piece 3/8" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-1210	5/16	B-1218	9/16	B-1226	13/16
B-1212	3/8	B-1220	5/8	B-1228	7/8
B-1214	7/16	B-1222	11/16		
B-1216	1/2	B-1224	3/4		

WSB-13RC 13 Piece 3/8" Drive Shallow 12-Point Socket Set on Clip Rail

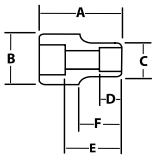
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-1208	1/4	B-1218	9/16	B-1228	7/8
B-1210	5/16	B-1220	5/8	B-1230	15/16
B-1212	3/8	B-1222	11/16	B-1232	1
B-1214	7/16	B-1224	3/4		
B-1216	1/2	B-1226	13/16		

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.





WSB-10RC



WSB-13RC

⚠ WARNING



B-616 B-608

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Nose Length (Inches)
B-608	1/4	1 1/32	11/16	13/32	7/32	9/16	1/2
B-610	5/16	1 1/32	11/16	7/16	1/4	9/16	1/2
B-611	11/32	1 1/32	11/16	1/2	9/32	9/16	1/2
B-612	3/8	1 1/32	11/16	9/16	9/32	9/16	1/2
B-614	7/16	1 1/32	11/16	5/8	5/16	9/16	1/2
B-616	1/2	1 1/32	23/32	23/32	11/32	9/16	-
B-618	9/16	1 3/32	25/32	25/32	9/16	19/32	-
B-620	5/8	1 1/8	27/32	27/32	19/32	5/8	-
B-622	11/16	1 5/32	15/16	15/16	5/8	5/8	-
B-624	3/4	1 3/16	1	1	21/32	11/16	-
B-626	13/16	1 1/4	1 1/16	1 1/16	11/16	23/32	-
B-628	7/8	1 9/32	1 5/32	1 5/32	3/4	25/32	-
B-630	15/16	1 3/8	1 1/4	1 1/4	13/16	27/32	-
B-632	1	1 13/32	1 5/16	1 5/16	27/32	7/8	-

Fed. Spec: ANSI B107.1

WSB-10HRC 10 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-610	5/16	B-618	9/16	B-626	13/16
B-612	3/8	B-620	5/8	B-628	7/8
B-614	7/16	B-622	11/16		
B-616	1/2	B-624	3/4		

WSB-13HRC 13 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
B-608	1/4	B-618	9/16	B-628	7/8
B-610	5/16	B-620	5/8	B-630	15/16
B-612	3/8	B-622	11/16	B-632	1
B-614	7/16	B-624	3/4		
B-616	1/2	B-626	13/16		

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



WSB-10HRC



WSB-13HRC

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31208	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32
31210	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32
31212	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32
31214	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32
31216	1/2	1	3/4	3/4	13/32	19/32	7/16	-
31218	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-
31220	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-
31222	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-
31224	3/4	1 1/8	1	1	9/16	23/32	23/32	-
31226	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-
31228	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-
31230	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-
31232	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-

Fed. Spec: ANSI B107.1

31923 9 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31208	1/4	31214	7/16	31220	5/8
31210	5/16	31216	1/2	31222	11/16
31212	3/8	31218	9/16	31224	3/4

31925 13 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31208	1/4	31218	9/16	31228	7/8
31210	5/16	31220	5/8	31230	15/16
31212	3/8	31222	11/16	31232	1
31214	7/16	31224	3/4		
31216	1/2	31226	13/16		


31216 31208


31923


31925

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31108	1/4	1	11/16	7/16	11/32	9/16	7/32	17/32
31110	5/16	1	11/16	15/32	3/8	17/32	1/4	17/32
31112	3/8	1	11/16	9/16	3/8	1/2	9/32	17/32
31114	7/16	1	11/16	5/8	11/32	17/32	13/32	17/32
31116	1/2	1	3/4	3/4	13/32	19/32	7/16	-
31118	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-
31120	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-
31122	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-
31124	3/4	1 1/8	1	1	9/16	23/32	23/32	-
31126	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	25/32	-
31128	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-
31130	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-
31132	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-

Fed. Spec: ANSI B107.1

31922 9 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31108	1/4	31114	7/16	31120	5/8
31110	5/16	31116	1/2	31122	11/16
31112	3/8	31118	9/16	31124	3/4

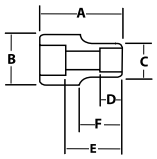
31924 13 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31108	1/4	31118	9/16	31128	7/8
31110	5/16	31120	5/8	31130	15/16
31112	3/8	31122	11/16	31132	1
31114	7/16	31124	3/4		
31116	1/2	31126	13/16		


31116 31108


31922


31924



Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

⚠ WARNING



BD-814



WSBD-7RC



BB-526



BU-1220, BU-1212



WSB-7U

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 4 & 8 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BD-808	1/4	29/32	21/32	15/32	7/32	13/32	5/32	7/16
B-409 **	9/32	1 1/32	11/16	9/16	5/16	17/32	3/16	1/2
BD-810	5/16	29/32	21/32	9/16	1/4	13/32	1/4	7/16
BD-812	3/8	15/16	11/16	41/64	9/32	7/16	5/16	15/32
BD-814	7/16	1	23/32	23/32	9/32	1/2	5/16	-
BD-816	1/2	1	29/32	29/32	5/16	1/2	13/32	-
BD-818	9/16	1 1/8	1	1	13/32	5/8	17/32	-
BD-820	5/8	1 1/8	1 1/16	1 1/16	7/16	5/8	19/32	-

** 4 Point Socket
Fed. Spec: ANSI B107.1

WSBD-7RC 7 Piece 8 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-808	1/4	BD-814	7/16	BD-820	5/8
BD-810	5/16	BD-816	1/2		
BD-812	3/8	BD-818	9/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE 5 POINT PENTA-SOCKET

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BB-526	51/64	1 1/16	1 1/8	1 1/8	7/16	1/2	23/32	-

Features

- 5 point Penta-Socket services 5 point nuts found on tamper-resistant Buffalo covers used by gas, electric, and some water companies to protect shutoff gates.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE UNIVERSAL SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BU-1212	3/8	1 25/32	3/4	1/2	1/4	1/2	5/16	15/64
BU-1214	7/16	1 25/32	3/4	5/8	1/4	1/2	11/32	15/64
BU-1216	1/2	1 25/32	3/4	11/16	5/16	9/16	11/32	9/32
BU-1218	9/16	1 25/32	3/4	3/4	11/32	5/8	11/32	17/32
BU-1220	5/8	1 25/32	3/4	7/8	13/32	11/16	11/32	17/32
BU-1222	11/16	2	3/4	15/16	7/16	23/32	11/32	17/32
BU-1224	3/4	2 1/8	3/4	1	17/32	13/16	11/32	5/8

Fed. Spec: ANSI B107.1

Made in U.S.A.

WSB-7U 7 Piece 12 Point Universal Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BU-1212	3/8	BU-1218	9/16	BU-1224	3/4
BU-1214	7/16	BU-1220	5/8		
BU-1216	1/2	BU-1222	11/16		

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets.

WILLIAMS

3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31142	3/8	1 53/64	3/4	9/16	3/8	35/64	21/64	5/16
31144	7/16	1 53/64	3/4	5/8	3/8	35/64	21/64	5/16
31146	1/2	1 57/64	3/4	45/64	13/32	37/64	21/64	13/32
31148	9/16	1 57/64	3/4	25/32	7/16	43/64	21/64	33/64
31150	5/8	2	3/4	55/64	7/16	45/64	21/64	33/64
31152	11/16	2 3/64	3/4	15/16	31/64	3/4	21/64	17/32
31154	3/4	2 3/64	3/4	1 1/64	1/2	51/64	21/64	17/32

Fed. Spec: ANSI B107.1


31154 31142

31938 7 Piece 6 Point Universal socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31142	3/8	31148	9/16	31154	3/4
31144	7/16	31150	5/8		
31146	1/2	31152	11/16		


31938

Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets

WILLIAMS

3/8" DRIVE UNIVERSAL SOCKETS, 6 POINT, MM

High-Polished Chrome Finish

Product Code	Size (mm)	A OAL (Inches)	B Drive End Diameter (Inches)	C Open End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31528	8	1 27/32	3/4	15/32	23/64	35/64	15/64	21/64
31530	10	1 55/64	3/4	9/16	23/64	35/64	21/64	21/64
31531	11	1 55/64	3/4	5/8	23/64	35/64	21/64	21/64
31532	12	1 55/64	3/4	43/64	23/64	35/64	21/64	21/64
31533	13	1 55/64	3/4	45/64	23/64	35/64	21/64	23/64
31534	14	1 15/16	3/4	49/64	25/64	39/64	21/64	1/2
31535	15	1 57/64	3/4	53/64	25/64	39/64	21/64	1/2
31536	16	2	3/4	55/64	7/16	45/64	21/64	1/2
31537	17	2	3/4	15/16	7/16	45/64	21/64	1/2
31538	18	2 1/64	3/4	15/16	15/32	3/4	21/64	1/2
31539	19	2 3/64	3/4	1	1/2	49/64	21/64	1/2

Fed. Spec: ANSI B107.1


31539 31528

31939 11 Piece 6 Point Universal Socket Set on Clip Rail

Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
31528	8	31533	13	31537	17
31530	10	31534	14	31538	18
31531	11	31535	15	31539	19
31532	12	31536	16		


31939

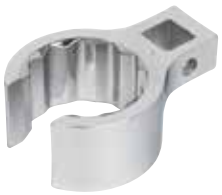
Features

- Ideal for work in confined areas where fastener is inaccessible to standard sockets

⚠ WARNING



BCF-26



BCF-32



WSBCF-8



10741



10740

WILLIAMS

12 F

3/8" DRIVE CROWFOOT WRENCH, FLARE NUT, 12 POINT

Satin Chrome Finish, SAE

Product Code	Size (Inches)	A Diameter of Head	B Thickness of Head	C Width of Slot	D Length of Centers
BCF20	5/8	15/16	11/16	15/32	47/64
BCF22	11/16	1 1/32	11/16	17/32	25/32
BCF24	3/4	1 1/8	23/32	9/16	53/64
BCF26	13/16	1 13/64	23/32	5/8	7/8
BCF28	7/8	1 19/64	3/4	11/16	15/16
BCF30	15/16	1 3/8	3/4	23/32	15/16
BCF32	1	1 29/64	25/32	3/4	1 1/64
BCF34	1 1/16	1 17/32	25/32	25/32	1 3/64

Fed. Spec: ASME B107.21 Type 1 Class 1

WSBCF-8 8 Piece 12 Point Crowfoot Wrench on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BCF20	5/8	BCF24	3/4	BCF28	7/8	BCF32	1
BCF22	11/16	BCF26	13/16	BCF30	15/16	BCF34	1 1/16
BCF24	3/4						

USA Made in U.S.A.

WILLIAMS

F

3/8" DRIVE CROWFOOT WRENCH, OPEN END, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Diameter of Head (Inches)	C Thickness of Head (Inches)	D Thickness of Drive End (Inches)	Length of Centers (Inches)
10700	3/8	1 1/4	3/4	1/4	1/2	5/8
10701	7/16	1 3/8	3/4	1/4	1/2	3/4
10702	1/2	1 1/2	1	1/4	1/2	3/4
10703	9/16	1 3/4	1 1/8	1/4	1/2	1
10704	5/8	1 3/4	1 1/4	1/4	1/2	1
10705	11/16	2	1 1/2	1/4	1/2	1 1/8
10706	3/4	2	1 1/2	1/4	1/2	1 1/8
10707	13/16	2 1/8	1 5/8	1/4	1/2	1 1/4
10708	7/8	2 1/4	1 5/8	1/4	1/2	1 1/4
10709	15/16	2 1/4	2	3/8	1/2	1 1/4
10710	1	2 1/4	2	3/8	1/2	1 1/4
10711	1 1/16	2	1 3/4	3/8	5/8	1 1/8
10712	1 1/8	2	2	3/8	5/8	1 1/8
10713	1 3/16	1 1/8	2	3/8	5/8	1 1/4
10714	1 1/4	1 1/8	2	3/8	5/8	1 1/4
10715	1 5/16	1 1/8	2 1/8	3/8	5/8	1 1/4
10716	1 3/8	2 1/4	2 1/4	3/8	5/8	1 1/4
10717	1 7/16	2 1/4	2 3/8	3/8	5/8	1 3/8
10718	1 1/2	2 1/2	2 1/2	3/8	5/8	1 3/8
10719	1 9/16	2 1/2	2 1/2	3/8	5/8	1 1/2
10720	1 5/8	2 1/2	2 1/2	3/8	5/8	1 1/2
10721	1 11/16	2 1/2	2 5/8	3/8	5/8	1 1/2
10722	1 3/4	2 1/2	2 3/4	3/8	5/8	1 1/2
10723	1 13/16	2 1/2	2 3/4	3/8	5/8	1 1/2
10724	1 7/8	2 3/4	3 1/8	3/8	5/8	1 5/8
10725	1 15/16	2 3/4	3 1/8	3/8	5/8	1 5/8
10726	2	3	3 3/8	1/2	5/8	1 3/4

Fed. Spec: ANSI B107.1

10740 13 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10700	3/8	10704	5/8	10708	7/8
10701	7/16	10705	11/16	10709	15/16
10702	1/2	10706	3/4	10710	1
10703	9/16	10707	13/16	10711	1 1/16
				10712	1 1/8

10741 14 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10713	1 3/16	10718	1 1/2	10723	1 13/16
10714	1 1/4	10719	1 9/16	10724	1 7/8
10715	1 5/16	10720	1 5/8	10725	1 15/16
10716	1 3/8	10721	1 11/16	10726	2
10717	1 7/16	10722	1 3/4		

Features

- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE CROWFOOT WRENCH, OPEN END, MM

		A	B	C	D	E
Product Code	Size (MM)	Overall Length (Inches)	Diameter of Head (Inches)	Thickness of Head (Inches)	Thickness of Drive End (Inches)	Length of Centers (Inches)
10759	9	1 1/4	3/4	1/4	1/2	5/8
10760	10	1 1/4	3/4	1/4	1/2	5/8
10761	11	1 3/8	7/8	1/4	1/2	3/4
10762	12	1 3/8	7/8	1/4	1/2	3/4
10763	13	1 1/2	1	1/4	1/2	3/4
10764	14	1 3/4	1 1/8	1/4	1/2	1
10765	15	1 3/4	1 1/8	1/4	1/2	1
10766	16	1 3/4	1 1/4	1/4	1/2	1
10767	17	2	1 1/2	1/4	1/2	1 1/8
10768	18	2	1 1/2	1/4	1/2	1 1/8
10769	19	2	1 1/2	1/4	1/2	1 1/8
10770	20	2 1/8	1 5/8	1/4	1/2	1 1/4
10771	21	2 1/8	1 5/8	1/4	1/2	1 1/4
10772	22	2 1/4	1 5/8	1/4	1/2	1 1/4
10773	23	2 1/4	1 5/8	1/4	1/2	1 1/4
10774	24	2 1/8	2	1/4	1/2	1 1/4



10790

10790 8 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
10759	9	10762	12	10765	15
10760	10	10763	13	10766	16
10761	11	10764	14		



10791

10791 8 Piece 3/8" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)	Product Code	Size (mm)
10767	17	10770	20	10773	23
10768	18	10771	21	10774	24
10769	19	10772	22		

Features
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE BOLT THRU SOCKETS, 6 POINT, SAE

Product Code	Size (Inches)	Overall Length (Inches)	External Hex Inches
31612BT	3/8	1 7/16	3/4
31614BT	7/16	1 7/16	3/4
31616BT	1/2	1 7/16	3/4
31618BT	9/16	1 7/16	3/4
31620BT	5/8	1 7/16	3/4
31622BT	11/16	1 7/16	3/4
31624BT	3/4	1 7/16	3/4



31612BT

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 point fasteners.

⚠ WARNING



31708BT

WILLIAMS

3/8" DRIVE BOLT THRU SOCKETS, 6 POINT, MM

Product Code	Size (mm)	Overall Length (Inches)	External Hex Inches
31708BT	8	1 7/16	3/4
31709BT	9	1 7/16	3/4
31710BT	10	1 7/16	3/4
31711BT	11	1 7/16	3/4
31712BT	12	1 7/16	3/4
31713BT	13	1 7/16	3/4
31714BT	14	1 7/16	3/4
31715BT	15	1 7/16	3/4
31716BT	16	1 7/16	3/4
31717BT	17	1 7/16	3/4
31718BT	18	1 7/16	3/4
31719BT	19	1 7/16	3/4

Features

- Designed for quick engagement on 6 point fasteners.



BD-1216 BD-1208

WILLIAMS

3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
BD-1208	1/4	2 1/8	11/16	13/32	7/32	1 11/16	7/32	1 5/8
BD-1210	5/16	2 1/8	11/16	15/32	1/4	1 11/16	5/16	1 5/8
BD-1212	3/8	2 1/8	11/16	9/16	9/32	1 11/16	3/8	1 5/8
BD-1214	7/16	2 1/8	11/16	5/8	9/32	1 11/16	7/16	1 5/8
BD-1216	1/2	2 1/8	23/32	23/32	11/32	1 11/32	15/32	-
BD-1218	9/16	2 3/8	25/32	25/32	9/16	1 9/16	17/32	-
BD-1220	5/8	2 3/8	27/32	27/32	19/32	1 9/16	19/32	-
BD-1222	11/16	2 5/8	15/16	15/16	5/8	1 11/16	21/32	-
BD-1224	3/4	2 5/8	1	1	21/32	1 11/16	23/32	-
BD-1226	13/16	2 3/4	1 1/16	1 1/16	11/16	2 1/32	25/32	-
BD-1228	7/8	2 3/4	1 5/32	1 5/32	3/4	2 1/32	27/32	-
BD-1230	15/16	2 3/4	1 1/4	1 1/4	13/16	2 1/32	27/32	-
BD-1232	1	2 3/4	1 5/16	1 5/16	27/32	2	31/32	-

Fed. Spec: ANSI B107.1



WSBD-9RC

WSBD-9RC 9 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-1212	3/8	BD-1218	9/16	BD-1224	3/4
BD-1214	7/16	BD-1220	5/8	BD-1226	13/16
BD-1216	1/2	BD-1222	11/16	BD-1228	7/8

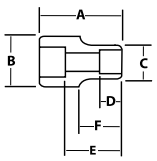


WSBD-13RC

WSBD-13RC 13 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-1208	1/4	BD-1218	9/16	BD-1228	7/8
BD-1210	5/16	BD-1220	5/8	BD-1230	15/16
BD-1212	3/8	BD-1222	11/16	BD-1232	1
BD-1214	7/16	BD-1224	3/4		
BD-1216	1/2	BD-1226	13/16		



Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
31408	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16
31410	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16
31412	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16
31414	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16
31416	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-
31418	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-
31420	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-
31422	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-
31424	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-
31426	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-
31428	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-
31430	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-
31432	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-

Fed. Spec: ANSI B107.1


31416 31408

31926 9 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31408	1/4	31414	7/16	31420	5/8
31410	5/16	31416	1/2	31422	11/16
31412	3/8	31418	9/16	31424	3/4


31926

31928 13 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31408	1/4	31418	9/16	31428	7/8
31410	5/16	31420	5/8	31430	15/16
31412	3/8	31422	11/16	31432	1
31414	7/16	31424	3/4		
31416	1/2	31426	13/16		


31928

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
BD-608	1/4	2 1/8	11/16	13/32	1/4	1 11/16	7/32	1 5/8
BD-610	5/16	2 1/8	11/16	7/16	9/32	1 11/16	5/16	1 5/8
BD-611	11/32	2 1/8	11/16	1/2	1/4	1 11/16	11/32	1 5/8
BD-612	3/8	2 1/8	11/16	9/16	5/16	1 11/16	3/8	1 5/8
BD-614	7/16	2 1/8	11/16	19/32	3/8	1 11/16	7/16	1 5/8
BD-616	1/2	2 1/8	23/32	23/32	7/16	1 11/16	15/32	-
BD-618	9/16	2 3/8	25/32	25/32	7/16	1 9/16	17/32	-
BD-620	5/8	2 3/8	27/32	27/32	1/2	1 9/16	19/32	-
BD-622	11/16	2 5/8	15/16	15/16	17/32	1 3/4	21/32	-
BD-624	3/4	2 5/8	1	1	5/8	1 3/4	23/32	-
BD-626	13/16	2 3/4	1 1/16	1 1/16	11/16	1 27/32	25/32	-
BD-628	7/8	2 3/4	1 5/32	1 5/32	23/32	1 27/32	27/32	-
BD-630	15/16	2 3/4	1 1/4	1 1/4	25/32	2 1/32	27/32	-
BD-632	1	2 3/4	1 5/16	1 5/16	13/16	2 1/32	31/32	-

Fed. Spec: ANSI B107.1


BD-616 BD-608

WSBD-13HRC 13 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BD-608	1/4	BD-618	9/16	BD-628	7/8
BD-610	5/16	BD-620	5/8	BD-630	15/16
BD-612	3/8	BD-622	11/16	BD-632	1
BD-614	7/16	BD-624	3/4		
BD-616	1/2	BD-626	13/16		


WSBD-13HRC

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.

⚠ WARNING



31316 31308

WILLIAMS®

3/8" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31308	1/4	2 1/2	11/16	7/16	11/32	1 11/16	7/32	1 1/16
31310	5/16	2 1/2	11/16	15/32	3/8	1 11/16	5/16	1 1/16
31312	3/8	2 1/2	11/16	9/16	3/8	1 11/16	3/8	1 1/16
31314	7/16	2 1/2	11/16	5/8	11/32	1 11/16	7/16	1 1/16
31316	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-
31318	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-
31320	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-
31322	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-
31324	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-
31326	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-
31328	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-
31330	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-
31332	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-

Fed. Spec: ANSI B107.1



31940

31940 9 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31308	1/4	31314	7/16	31320	5/8
31310	5/16	31316	1/2	31322	11/16
31312	3/8	31318	9/16	31324	3/4



31941

31941 13 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
31308	1/4	31318	9/16	31328	7/8
31310	5/16	31320	5/8	31330	15/16
31312	3/8	31322	11/16	31332	1
31314	7/16	31324	3/4		
31316	1/2	31326	13/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.



31303



31301

WILLIAMS®

3/8" DRIVE SPARK PLUG SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31301	5/8	2 27/32	11/16	27/32	15/32	29/32	11/16	NA
31303	13/16	2 23/32	13/16	1 1/16	15/32	1 1/32	7/8	NA

Fed. Spec: ANSI B107.1

Features

- Rubber insert holds spark plug and prevents damage to insulator.

WILLIAMS

12 M

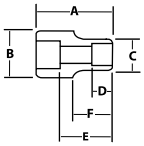
3/8" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BM-1206	6	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-1207	7	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-1208	8	1 1/32	11/16	15/32	1/4	9/16	9/32	17/32
BM-1209	9	1 1/32	11/16	1/2	9/32	9/16	11/32	17/32
BM-1210	10	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
BM-1211	11	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
BM-1212	12	1 1/32	11/16	21/32	11/32	9/16	11/32	17/32
BM-1213	13	1 1/32	23/32	23/32	11/32	9/16	3/8	-
BM-1214	14	1 1/32	25/32	25/32	7/16	17/32	17/32	-
BM-1215	15	1 3/32	13/16	13/16	19/32	19/32	9/16	-
BM-1216	16	1 1/8	27/32	27/32	19/32	5/8	19/32	-
BM-1217	17	1 5/32	29/32	29/32	5/8	5/8	5/8	-
BM-1218	18	1 5/32	31/32	31/32	5/8	21/32	11/16	-
BM-1219	19	1 3/16	1	1	21/32	11/16	23/32	-
BM-1220	20	1 7/32	1 1/32	1 1/32	11/16	23/32	3/4	-
BM-1221	21	1 1/4	1 1/8	1 1/8	23/32	23/32	3/16	-
BM-1222	22	1 9/32	1 5/32	1 5/32	3/4	3/4	3/16	-
BM-1223	23	1 5/16	1 3/16	1 3/16	3/4	25/32	7/8	-
BM-1224	24	1 3/8	1 1/4	1 1/4	13/16	27/32	7/8	-
BM-1226	26	1 7/16	1 11/32	1 11/32	27/32	7/8	15/16	-

Fed. Spec: ANSI B107.5


BM-1212 BM-1206



MSB-12RC 12 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1208	8	BM-1212	12	BM-1216	16
BM-1209	9	BM-1213	13	BM-1217	17
BM-1210	10	BM-1214	14	BM-1218	18
BM-1211	11	BM-1215	15	BM-1219	19


MSB-12RC

MSB-17RC 17 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1206	6	BM-1211	11	BM-1216	16	BM-1221	21
BM-1207	7	BM-1212	12	BM-1217	17	BM-1222	22
BM-1208	8	BM-1213	13	BM-1218	18		
BM-1209	9	BM-1214	14	BM-1219	19		
BM-1210	10	BM-1215	15	BM-1220	20		


MSB-17RC

MSB-20RC 20 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-1206	6	BM-1211	11	BM-1216	16	BM-1221	21
BM-1207	7	BM-1212	12	BM-1217	17	BM-1222	22
BM-1208	8	BM-1213	13	BM-1218	18	BM-1223	23
BM-1209	9	BM-1214	14	BM-1219	19	BM-1224	24
BM-1210	10	BM-1215	15	BM-1220	20	BM-1226	26

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

USA Made in U.S.A.


MSB-20RC

⚠ WARNING



BM-612 BM-606

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BM-605½	5 ½	1 1/32	11/16	13/32	7/32	9/16	3/16	17/32
BM-606	6	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-607	7	1 1/32	11/16	13/32	7/32	9/16	7/32	17/32
BM-608	8	1 1/32	11/16	15/32	1/4	9/16	9/32	17/32
BM-609	9	1 1/32	11/16	1/2	9/32	9/16	11/32	17/32
BM-610	10	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
BM-611	11	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
BM-612	12	1 1/32	11/16	21/32	11/32	9/16	11/32	17/32
BM-613	13	1 1/32	23/32	23/32	11/32	9/16	3/8	-
BM-614	14	1 1/32	25/32	25/32	7/16	17/32	17/32	-
BM-615	15	1 3/32	13/16	13/16	19/32	19/32	9/16	-
BM-616	16	1 1/8	27/32	27/32	19/32	5/8	19/32	-
BM-617	17	1 5/32	29/32	29/32	5/8	5/8	5/8	-
BM-618	18	1 5/32	31/32	31/32	5/8	21/32	11/16	-
BM-619	19	1 3/16	1	1	21/32	11/16	23/32	-
BM-620	20	1 7/32	1 1/32	1 1/32	11/16	23/32	3/4	-
BM-621	21	1 1/4	1 1/8	1 1/8	23/32	23/32	3/16	-
BM-622	22	1 9/32	1 5/32	1 5/32	3/4	3/4	3/16	-
BM-623	23	1 5/16	1 3/16	1 3/16	3/4	25/32	7/8	-
BM-624	24	1 3/8	1 1/4	1 1/4	13/16	27/32	7/8	-

Fed. Spec: ANSI B107.5

MSB-12HRC 12 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-608	8	BM-612	12	BM-616	16
BM-609	9	BM-613	13	BM-617	17
BM-610	10	BM-614	14	BM-618	18
BM-611	11	BM-615	15	BM-619	19

MSB-20HRC 20 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

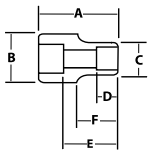
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BM-605½	5 ½	BM-610	10	BM-615	15	BM-620	20
BM-606	6	BM-611	11	BM-616	16	BM-621	21
BM-607	7	BM-612	12	BM-617	17	BM-622	22
BM-608	8	BM-613	13	BM-618	18	BM-623	23
BM-609	9	BM-614	14	BM-619	19	BM-624	24

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.





MSB-12HRC



MSB-20RC

WILLIAMS®

3/8" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31606	6	1	11/16	3/8	11/32	17/32	7/32	9/16
31607	7	1	11/16	7/16	5/16	17/32	7/32	9/16
31608	8	1	11/16	15/32	11/32	1/2	1/4	9/16
31609	9	1	11/16	17/32	3/8	17/32	9/32	9/16
31610	10	1	11/16	9/16	11/32	15/32	3/8	9/16
31611	11	1	11/16	5/8	11/32	1/2	13/32	9/16
31612	12	1	11/16	11/16	3/8	9/16	7/16	-
31613	13	1	3/4	3/4	3/8	9/16	1/2	-
31614	14	1 1/16	25/32	25/32	17/32	17/32		-
31615	15	1 1/16	13/16	13/16	17/32	17/32		-
31616	16	1 1/16	7/8	7/8	17/32	17/32		-
31617	17	1 1/16	15/16	15/16	17/32	17/32		-
31618	18	1 1/16	31/32	31/32	17/32	17/32		-
31619	19	1 5/32	1	1	5/8	5/8		-

Fed. Spec: ANSI B107.5



31612 31606

31942 8 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31610	10	31613	13	31616	16
31611	11	31614	14	31617	17
31612	12	31615	15		

31943 14 Piece 3/8" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31606	6	31611	11	31616	16
31607	7	31612	12	31617	17
31608	8	31613	13	31618	18
31609	9	31614	14	31619	19
31610	10	31615	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 12 point fasteners.



31942



31943

⚠ WARNING

WILLIAMS

3/8" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31506	6	1	11/16	3/8	11/32	17/32	7/32	9/16
31507	7	1	11/16	7/16	5/16	17/32	7/32	9/16
31508	8	1	11/16	15/32	11/32	1/2	1/4	9/16
31509	9	1	11/16	17/32	3/8	17/32	9/32	9/16
31510	10	1	11/16	9/16	11/32	15/32	3/8	9/16
31511	11	1	11/16	5/8	11/32	1/2	13/32	9/16
31512	12	1	11/16	11/16	3/8	9/16	7/16	-
31513	13	1	3/4	3/4	3/8	9/16	1/2	-
31514	14	1 1/16	25/32	25/32	17/32	17/32		-
31515	15	1 1/16	13/16	13/16	17/32	17/32		-
31516	16	1 1/16	7/8	7/8	17/32	17/32		-
31517	17	1 1/16	15/16	15/16	17/32	17/32		-
31518	18	1 1/16	31/32	31/32	17/32	17/32		-
31519	19	1 5/32	1	1	5/8	5/8		-

Fed. Spec: ANSI B107.5



31512 31506

31930 8 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31510	10	31513	13	31516	16
31511	11	31514	14	31517	17
31512	12	31515	15		

31932 14 Piece 3/8" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31506	6	31511	11	31516	16
31507	7	31512	12	31517	17
31508	8	31513	13	31518	18
31509	9	31514	14	31519	19
31510	10	31515	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



31930



31932

WILLIAMS

3/8" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
BMD-606	6	2 1/8	11/16	13/32	7/32	1 11/16	7/32	1 5/8
BMD-607	7	2 1/8	11/16	13/32	9/32	1 11/16	1/4	1 5/8
BMD-608	8	2 1/8	11/16	15/32	9/32	1 11/16	5/16	1 5/8
BMD-609	9	2 1/8	11/16	1/2	9/32	1 11/16	11/32	1 5/8
BMD-610	10	2 1/8	11/16	9/16	5/16	1 11/16	3/8	1 5/8
BMD-611	11	2 1/8	11/16	5/8	3/8	1 11/16	7/16	1 5/8
BMD-612	12	2 1/8	11/16	21/32	13/32	1 11/16	15/32	1 5/8
BMD-613	13	2 1/8	23/32	23/32	13/32	1 5/8	17/32	-
BMD-614	14	2 3/8	25/32	25/32	13/32	1 9/16	17/32	-
BMD-615	15	2 3/8	13/16	13/16	13/32	1 9/16	17/32	-
BMD-616	16	2 3/8	27/32	27/32	13/32	1 9/16	19/32	-
BMD-617	17	2 21/32	29/32	29/32	1/2	1 13/16	5/8	-
BMD-618	18	2 21/32	31/32	31/32	1/2	1 13/16	21/32	-
BMD-619	19	2 21/32	1	1	5/8	1 15/16	23/32	-
BMD-620	20	2 21/32	1 1/32	1 1/32	5/8	1 15/16	25/32	-
BMD-622	22	2 7/8	1 5/32	1 5/32	5/8	2 5/32	7/8	-
BMD-623	23	2 7/8	1 3/16	1 3/16	1/2	2 5/32	27/32	-
BMD-624	24	2 7/8	1 1/4	1 1/4	9/16	2 5/32	15/16	-
BMD-625	25	2 7/8	1 9/32	1 9/32	9/16	2 1/8	31/32	-

Fed. Spec: ANSI B107.5


BMD-612 BMD-606

MSBD-12HRC 12 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMD-608	8	BMD-612	12	BMD-616	16
BMD-609	9	BMD-613	13	BMD-617	17
BMD-610	10	BMD-614	14	BMD-618	18
BMD-611	11	BMD-615	15	BMD-619	19

MSBD-19HRC 19 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BMD-606	6	BMD-611	11	BMD-616	16	BMD-622	22
BMD-607	7	BMD-612	12	BMD-617	17	BMD-623	23
BMD-608	8	BMD-613	13	BMD-618	18	BMD-624	24
BMD-609	9	BMD-614	14	BMD-619	19	BMD-625	25
BMD-610	10	BMD-615	15	BMD-620	20		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.


MSBD-12HRC


MSBD-19HRC

⚠ WARNING

WILLIAMS

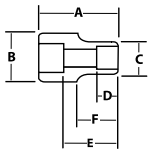
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3/8" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish



31812 31806



Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31806	6	2 1/2	11/16	3/8	5/8	1 9/16	7/32	1 7/32
31807	7	2 1/2	11/16	7/16	5/8	1 9/16	1/4	1 7/32
31808	8	2 1/2	11/16	7/16	5/8	1 9/16	9/32	1 7/32
31809	9	2 1/2	11/16	17/32	5/8	1 9/16	5/16	1 7/32
31810	10	2 1/2	11/16	9/16	1	1 11/16	3/8	1 7/32
31811	11	2 1/2	11/16	5/8	1	1 25/32	13/32	1 7/32
31812	12	2 1/2	11/16	11/16	1	1 25/32	7/16	-
31813	13	2 1/2	23/32	23/32	1	1 31/32	1/2	-
31814	14	2 1/2	3/4	3/4	1	2	17/32	-
31815	15	2 1/2	13/16	13/16	1	1 15/16	9/16	-
31816	16	2 1/2	7/8	7/8	1	1 29/32	19/32	-
31817	17	2 1/2	15/16	15/16	1	2	21/32	-
31818	18	2 1/2	31/32	31/32	1 1/16	1 29/32	11/16	-
31819	19	2 1/2	1	1	1 3/32	1 31/32	23/32	-

Fed. Spec: ANSI B107.5

31934 8 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31810	10	31813	13	31816	16
31811	11	31814	14	31817	17
31812	12	31815	15		

31936 14 Piece 3/8" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31806	6	31811	11	31816	16
31807	7	31812	12	31817	17
31808	8	31813	13	31818	18
31809	9	31814	14	31819	19
31810	10	31815	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



31934



31936

WILLIAMS®

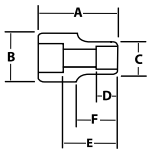
3/8" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	E Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
31706	6	2 1/2	11/16	3/8	5/8	1 9/16	7/32	1 7/32
31707	7	2 1/2	11/16	7/16	5/8	1 9/16	1/4	1 7/32
31708	8	2 1/2	11/16	7/16	5/8	1 9/16	9/32	1 7/32
31709	9	2 1/2	11/16	17/32	5/8	1 9/16	5/16	1 7/32
31710	10	2 1/2	11/16	9/16	1	1 11/16	3/8	1 7/32
31711	11	2 1/2	11/16	5/8	1	1 25/32	13/32	1 7/32
31712	12	2 1/2	11/16	11/16	1	1 25/32	7/16	-
31713	13	2 1/2	23/32	23/32	1	1 31/32	1/2	-
31714	14	2 1/2	3/4	3/4	1	2	17/32	-
31715	15	2 1/2	13/16	13/16	1	1 15/16	9/16	-
31716	16	2 1/2	7/8	7/8	1	1 29/32	19/32	-
31717	17	2 1/2	15/16	15/16	1	2	21/32	-
31718	18	2 1/2	31/32	31/32	1 1/16	1 29/32	11/16	-
31719	19	2 1/2	1	1	1 3/32	1 31/32	23/32	-

Fed. Spec: ANSI B107.5





31944 8 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31710	10	31713	13	31716	16
31711	11	31714	14	31717	17
31712	12	31715	15		

31945 14 Piece 3/8" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
31706	6	31711	11	31716	16
31707	7	31712	12	31717	17
31708	8	31713	13	31718	18
31709	9	31714	14	31719	19
31710	10	31715	15		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.


31944


31945

⚠ WARNING

WILLIAMS®

3/8" DRIVE TURBOSOCKET® SALVAGE/DAMAGED FASTENER SOCKETS

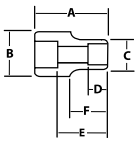
Black Industrial Finish, Metric and SAE



TS38375



TSCS3813



Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
TS38375	3/8	1 1/4	11/16	19/32	13/32	3/4	3/8	11/16
TS38437	7/16	1 1/4	11/16	21/32	1/2	3/4	7/16	11/16
TS38500	1/2	1 1/4	3/4	3/4	1/2	3/4	1/2	-
TS38562	9/16	1 1/4	13/16	13/16	1/2	23/32	9/16	-
TS38625	5/8	1 1/4	29/32	29/32	1/2	19/32	5/8	-
TS38687	11/16	1 13/32	31/32	31/32	21/32	29/32	23/32	-
TS38750	3/4	1 13/32	1 1/16	1 1/16	21/32	29/32	3/4	-

Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
TS38394	10	1 1/4	11/16	5/8	13/32	3/4	13/32	11/16
TS38472	12	1 1/4	23/32	23/32	1/2	3/4	15/32	-
TS38512	13	1 1/4	3/4	3/4	1/2	3/4	17/32	-
TS38551	14	1 1/4	13/16	13/16	1/2	23/32	9/16	-
TS38591	15	1 1/4	27/32	27/32	1/2	19/32	19/32	-
TS38669	17	1 13/32	31/32	31/32	21/32	29/32	23/32	-

TSFS3807 7 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
TS38375	3/8	TS38562	9/16	TS38750	3/4
TS38437	7/16	TS38625	5/8		
TS38500	1/2	TS38687	11/16		

TSCS3813 13 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE and Metric

Contents Include:

Product Code	Size (Inches)	Product Code	Size (MM)
TS38375	3/8	TS38394	10
TS38437	7/16	TS38472	12
TS38500	1/2	TS38512	13
TS38562	9/16	TS38551	14
TS38625	5/8	TS38591	15
TS38687	11/16	TS38669	17
TS38750	3/4		

TSMS3809 9 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, Metric

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
TS38394	10	TS38512	13	TS38625	16 (5/8")
TS38437	11 (7/16")	TS38551	14	TS38669	17
TS38472	12	TS38591	15	TS38750	19 (3/4")

Features

Made in U.S.A.

- Quickly and easily remove damaged or rounded nuts and bolts.
- Place socket on fastener and turn with ratchet, breaker bar or T-handle.
- Grip on fastener tightens as more torque is applied.
- No hammering is required to install socket over fastener.
- Use on all types of standard nuts and bolts as well as studs, pipe nipples, and corroded auto and marine fasteners.
- May be used for "best fit" on metric and fractional fasteners.
- May be used with air or electric impact wrench for extra speed and turning power.



TSMS3809



TSFS3807

WILLIAMS

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3A	3/32	1 1/16	11/16	1 27/32	BITH03T-01
BA-4A	1/8	1 1/16	11/16	1 7/8	BITH04-03
BA-5A	5/32	1 1/16	11/16	1 7/8	BITH05-03
BA-6A	3/16	1 1/16	11/16	1 7/8	BITH06-03
BA-7A	7/32	1 1/16	11/16	1 7/8	BITH07-03
BA-8A	1/4	1 1/16	11/16	1 7/8	BITH08-03
BA-10A	5/16	1 1/16	11/16	1 7/8	BITH10-03
BA-12A	3/8	1 1/16	23/32	1 7/8	BITH12-01


BA-7A

WSB-7A 7 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4A	1/8	BA-8A	1/4
BA-5A	5/32	BA-10A	5/16
BA-6A	3/16	BA-12A	3/8
BA-7A	7/32		


WSB-7A

WSBS-10RC 10 Piece Hex Bit Socket Set on Clip Rail, 3/8" and 1/2" Drive

Contents Include:

3/8" Drive Product Code	Size (Inches)	3/8" Drive Product Code	Size (Inches)	1/2" Drive Product Code	Size (Inches)
BA-4A	1/8	BA-8A	1/4	SA-16A	1/2
BA-5A	5/32	BA-10A	5/16	SA-18A	9/16
BA-6A	3/16	BA-12A	3/8	SA-20A	5/8
BA-7A	7/32				


WSBS-10RC

Made in U.S.A.

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

WILLIAMS

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35100	1/8	1 3/16	3/4	1 27/32	21/32
35101	9/64	1 3/16	3/4	1 27/32	21/32
35102	5/32	1 3/16	3/4	1 27/32	21/32
35103	3/16	1 3/16	3/4	1 27/32	21/32
35104	7/32	1 3/16	3/4	1 27/32	21/32
35105	1/4	1 3/16	3/4	1 27/32	21/32
35106	5/16	1 3/16	3/4	1 31/32	13/16
35107	3/8	1 3/16	3/4	1 31/32	13/16


35100

31902 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35100	1/8	35103	3/16	35106	5/16
35101	9/64	35104	7/32	35107	3/8
35102	5/32	35105	1/4		


31902

Features

- High-polished chrome finish socket cleans easily.

⚠ WARNING



35170



31904

WILLIAMS®

3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35170	4	1 3/16	3/4	1 27/32	21/32
35171	5	1 3/16	3/4	1 27/32	21/32
35172	6	1 3/16	3/4	1 27/32	21/32
35173	7	1 3/16	3/4	1 27/32	21/32
35174	8	1 3/16	3/4	1 31/32	13/16
35175	9	1 3/16	3/4	1 31/32	13/16
35176	10	1 3/16	3/4	1 31/32	13/16

31904 7 Piece Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35170	4	35173	7	35176	10
35171	5	35174	8		
35172	6	35175	9		

Features

- High-polished chrome finish socket cleans easily.



BA-7HBA



WSBB-7RC

WILLIAMS®

3/8" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3HBA	3/32	1 1/16	11/16	1 27/32	BITHB03T-01
BA-4HBA	1/8	1 1/16	11/16	1 7/8	BITHB04-02
BA-5HBA	5/32	1 1/16	11/16	1 7/8	BITHB05-02
BA-6HBA	3/16	1 1/16	11/16	1 7/8	BITHB06-02
BA-7HBA	7/32	1 1/16	11/16	1 7/8	BITHB07-02
BA-8HBA	1/4	1 1/16	11/16	1 7/8	BITHB08-02
BA-10HBA	5/16	1 1/16	11/16	1 7/8	BITHB10-01
BA-12HBA	3/8	1 1/16	23/32	1 7/8	BITHB12-01

WSBB-7RC 7 Piece Ball Tip Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4HBA	1/8	BA-7HBA	7/32	BA-12HBA	3/8
BA-5HBA	5/32	BA-8HBA	1/4		
BA-6HBA	3/16	BA-10HBA	5/16		

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.



35120



31906

WILLIAMS®

3/8" DRIVE BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35120	1/8	1 3/16	3/4	1 27/32	11/16
35121	9/64	1 3/16	3/4	1 27/32	11/16
35122	5/32	1 3/16	3/4	1 27/32	11/16
35123	3/16	1 3/16	3/4	1 27/32	11/16
35124	7/32	1 3/16	3/4	1 27/32	11/16
35125	1/4	1 3/16	3/4	1 27/32	11/16
35126	5/16	1 3/16	3/4	1 31/32	13/16
35127	3/8	1 3/16	3/4	1 31/32	13/16

31906 8 Piece Ball Tip Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35120	1/8	35123	3/16	35126	5/16
35121	9/64	35124	7/32	35127	3/8
35122	5/32	35125	1/4		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
BA-3LA	3/32	1 1/16	11/16	3 3/4	BITH03T-02
BA-4LA	1/8	1 1/16	11/16	3 3/4	BITH04-04
BA-5LA	5/32	1 1/16	11/16	3 3/4	BITH05-04
BA-6LA	3/16	1 1/16	11/16	3 3/4	BITH06-04
BA-7LA	7/32	1 1/16	11/16	3 3/4	BITH07-04
BA-8LA	1/4	1 1/16	11/16	3 3/4	BITH08-04
BA-10LA	5/16	1 1/16	11/16	3 3/4	BITH10-04
BA-12LA	3/8	1 1/16	23/32	3 3/4	BITH12-02


BA-7LA

WSBS-7LRC 7 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
BA-4LA	1/8	BA-7LA	7/32	BA-12LA	3/8
BA-5LA	5/32	BA-8LA	1/4		
BA-6LA	3/16	BA-10LA	5/16		


WSBS-7LRC

Features
- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE LONG LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35110	1/8	1 3/16	3/4	6
35111	9/64	1 3/16	3/4	6
35112	5/32	1 3/16	3/4	6
35113	3/16	1 3/16	3/4	6
35114	7/32	1 3/16	3/4	6
35115	1/4	1 3/16	3/4	6
35116	5/16	1 3/16	3/4	6
35117	3/8	1 3/16	3/4	6


35110


31949

31949 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35110	1/8	35113	3/16	35116	5/16
35111	9/64	35114	7/32	35117	3/8
35112	5/32	35115	1/4		

Features
- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE LONG LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35164	4	1 3/16	3/4	6
35165	5	1 3/16	3/4	6
35166	6	1 3/16	3/4	6
35167	7	1 3/16	3/4	6
35168	8	1 3/16	3/4	6
35169	9	1 3/16	3/4	6
35163	10	1 3/16	3/4	6


35164


31951

31951 7 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35164	4	35167	7	35163	10
35165	5	35168	8		
35166	6	35169	9		

Features
- High-polished chrome finish socket cleans easily.

⚠ WARNING



35130



31947



35182



31910



35192



31912

WILLIAMS®

3/8" DRIVE LONG BALL TIP HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35130	1/8	1 3/16	3/4	5
35131	9/64	1 3/16	3/4	5
35132	5/32	1 3/16	3/4	5
35133	3/16	1 3/16	3/4	5
35134	7/32	1 3/16	3/4	5
35135	1/4	1 3/16	3/4	5
35136	5/16	1 3/16	3/4	5
35137	3/8	1 3/16	3/4	5

31947 8 Piece Ball Tip Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35130	1/8	35133	3/16	35136	5/16
35131	9/64	35134	7/32	35137	3/8
35132	5/32	35135	1/4		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35182	T25	1 3/16	3/4	1 27/32	11/16
35183	T27	1 3/16	3/4	1 27/32	11/16
35184	T30	1 3/16	3/4	1 27/32	11/16
35185	T40	1 3/16	3/4	1 31/32	13/16
35186	T45	1 3/16	3/4	1 31/32	13/16
35187	T47	1 3/16	3/4	2	13/16
35188	T50	1 3/16	3/4	2	13/16

31910 7 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35182	T25	35185	T40	35188	T50
35183	T27	35186	T45		
35184	T30	35187	T47		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE TAMPER-RESISTANT TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35192	T25	1 3/16	3/4	1 27/32	21/32
35193	T27	1 3/16	3/4	1 27/32	21/32
35194	T30	1 3/16	3/4	1 27/32	21/32
35195	T40	1 3/16	3/4	1 31/32	13/16
35196	T45	1 3/16	3/4	1 31/32	13/16
35197	T47	1 3/16	3/4	1 31/32	13/16
35198	T50	1 3/16	3/4	1 31/32	13/16

31912 7 Piece Tamper-Resistant Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size	Product Code	Torx® Size
35192	T25	35195	T40	35198	T50
35193	T27	35196	T45		
35194	T30	35197	T47		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
Slotted Bits:					
BA-5A-1S	3/16 x .032	1 1/16	11/16	1 13/16	BITHS01
BA-7A-2S	7/32 x .039	1 1/16	11/16	1 13/16	BITHS02
BA-10A-3S	9/32 x .047	1 1/16	11/16	1 7/8	BITHS04
BA-10A-4S	5/16 x .061	1 1/16	11/16	1 7/8	BITHS05
Phillips® Bits:					
BA-7A-1P	1	1 1/16	11/16	1 7/8	BITPH01-02
BA-7A-2P	2	1 1/16	11/16	1 7/8	BITPH02-02
BA-10A-3P	3	1 1/16	11/16	1 7/8	BITPH03-02
BA-12A-4P	4	1 1/16	23/32	1 7/8	BITPH04-01


BA-7A-2S


BA-7A-2P

WSBSP-8RC 8 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size
BA-5A-1S	3/16 x .032	BA-10A-3S	9/32 x .047	BA-7A-1P	1	BA-10A-3P	3
BA-7A-2S	7/32 x .039	BA-10A-4S	5/16 x .061	BA-7A-2P	2	BA-12A-4P	4


WSBSP-8RC

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

USA Made in U.S.A.

WILLIAMS®

3/8" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Tip Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Slotted Bits:					
35140	1/4 x 1/32	1 3/16	3/4	1 7/8	11/16
35141	5/16 x 3/64	1 3/16	3/4	1 7/8	11/16
35142	3/8 x 1/16	1 3/16	3/4	1	13/16
35143	3/8 x 1/32	1 3/16	3/4	1	13/16
Phillips® Bits:					
35150	#1	1 3/16	3/4	1 27/32	21/32
35151	#2	1 3/16	3/4	1 27/32	11/16
35152	#3	1 3/16	3/4	1 27/32	11/16


35143


35150

31908 7 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size	Product Code	Tip Size
35140	3/16	35142	5/16	35150	#1	35152	#3
35141	1/4	35143	3/8	35151	#2		


31908

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

3/8" DRIVE FLEXTENSIONS

Product Code	Drive Size	OAL (Inches)	Tension Y or N	6 or 12 Point	Nose End Diameter (Inches)	Socket Diameter (Inches)	Socket Length (Inches)	Clearance Depth (Inches)	Hex Opening
ISFXM416	3/8	5 1/2	N	6	7/8	7/8	1 1/16	7/16	16 mm
ISFXM616	3/8	7 1/2	N	6	7/8	7/8	1 1/16	7/16	16 mm
ISFXTM416	3/8	5 1/2	Y	6	7/8	7/8	1 1/16	7/16	16 mm
ISFXTM613	3/8	7 1/2	Y	6	3/4	7/8	1 1/16	3/4	13 mm
ISFXTM616	3/8	7 1/2	Y	6	7/8	7/8	1 1/16	7/16	16 mm



Features

- Flextensions are available in Non-Tension and Tension "T" spring loaded styles.
- Flextensions are available in various lengths and sizes for production and maintenance applications.
- Flextensions are designed for use on hand and power (Impulse or Direct drive) "Not for Impact Use"
- Snap-on Industrial Brands will quote any length and socket size you need. Contact your representative for details.



⚠ WARNING



2-4A



2-140B



2-106A



2-103A

WILLIAMS®

3/8" DRIVE IMPACT EXTENSIONS AND ACCESS

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
2-103A	Impact Extension	3	Spring Plunger
2-106A	Impact Extension	6	Spring Plunger
2-140B	Impact Universal Joint	2 1/4	Spring Plunger
2-4A	1/2" M x 3/8" F Adapter	1 1/4	Spring Plunger

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.



2-02B



2-33B

WILLIAMS®

3/8" DRIVE HEX TO SQUARE SHANK IMPACT EXTENSIONS

Black Industrial Finish

Product Code	Hex Shank Size (Inches)	Square Drive Size (Inches)	Length (Inches)
2-02B	1/4	3/8	2
2-33B	7/16	3/8	2 3/4

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- 2-33B - Recommended working torque of 80 ft.lb.



36004



36001



36003

36002

WILLIAMS®

3/8" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
36002	Impact Extension	3	Ball
36003	Impact Extension	6	Ball
36001	Impact Universal Joint	2 1/8	Ball
36004	1/2" M x 3/8" F Adapter	1 5/16	Ball

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.



BHMD-30

WILLIAMS®

3/8" DRIVE HAND IMPACT DRIVER

Black Industrial Finish

Product Code	Length (Inches)	Shank Diameter (Inches)
BHMD-30	5	1 1/4

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Ideal for loosening screws that cannot be loosened with an ordinary screwdriver.
- Impact driver is struck with a hammer to provide turning power.
- Hammer blow forces bit into screw head to reduce stripping.
- Hand impact driver can be used with all 3/8" drive sockets, such as 6-point and hex-bit sockets.

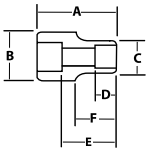
WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
2-608	1/4	1 1/32	11/16	1/2	7/32	9/16	7/32	17/32
2-610	5/16	1 1/32	11/16	1/2	1/4	9/16	9/32	17/32
2-612	3/8	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
2-614	7/16	1 1/16	11/16	21/32	9/32	19/32	11/32	-
2-616	1/2	1 1/16	3/4	3/4	5/16	19/32	3/8	-
2-618	9/16	1 3/32	13/16	13/16	9/16	19/32	17/32	-
2-620	5/8	1 1/8	29/32	29/32	19/32	5/8	5/8	-
2-622	11/16	1 5/32	31/32	31/32	19/32	5/8	21/32	-
2-624	3/4	1 3/16	1 1/16	1 1/16	21/32	11/16	23/32	-
2-626	13/16	1 1/4	1 1/8	1 1/8	11/16	23/32	25/32	-
2-628	7/8	1 9/32	1 3/16	1 3/16	3/4	3/4	27/32	-
2-630	15/16	1 5/16	1 9/32	1 9/32	25/32	13/16	29/32	-
2-632	1	1 5/16	1 11/32	1 11/32	25/32	25/32	31/32	-

Fed. Spec: ANSI B107.2



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints


2-618 2-608

WS-2-8 8 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
2-610	5/16	2-618	9/16
2-612	3/8	2-620	5/8
2-614	7/16	2-622	11/16
2-616	1/2	2-624	3/4


WS-2-8

WS-2-13 13 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
2-608	1/4	2-618	9/16	2-628	7/8
2-610	5/16	2-620	5/8	2-630	15/16
2-612	3/8	2-622	11/16	2-632	1
2-614	7/16	2-624	3/4		
2-616	1/2	2-626	13/16		


WS-2-13

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

WILLIAMS®

3/8" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36212	3/8	2 1/4	1	19/16	9/16	9/16	5/16	15/16
36214	7/16	2 1/4	1	11/16	9/16	9/16	9/16	15/16
36216	1/2	2 1/3	1	13/16	9/16	9/16	7/16	1 1/16
36218	9/16	2 1/3	1	13/16	9/16	9/16	8/16	1 1/16
36220	5/8	2 1/3	1	14/16	9/16	9/16	9/16	1 1/16
36222	11/16	2 5/8	1	1	8/16	11/16	10/16	1 4/16
36224	3/4	2 5/8	1	1 2/16	8/16	11/16	11/16	1 4/16

Fed. Spec: ANSI B107.2


36224

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36912 7 Piece 3/8" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
36212	3/8	36220	5/8
36214	7/16	36222	11/16
36216	1/2	36224	3/4
36218	9/16		


36912

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

⚠ WARNING



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints





Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

6 F

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
36108	1/4	1 5/32	3/4	7/16	5/16	21/32	7/32	7/16
36110	5/16	1	3/4	1/2	3/8	17/32	1/4	7/16
36112	3/8	1	3/4	19/32	11/32	17/32	9/32	7/16
36114	7/16	1 3/32	3/4	11/16	3/8	5/8	13/32	7/16
36116	1/2	1 5/32	25/32	25/32	3/8	5/8	7/16	-
36118	9/16	1 1/16	13/16	13/16	9/16	23/32	17/32	-
36120	5/8	1 1/16	15/16	15/16	9/16	23/32	5/8	-
36122	11/16	1 1/16	15/16	15/16	9/16	3/4	21/32	-
36124	3/4	1 1/8	1 1/32	1 1/32	19/32	13/16	23/32	-
36126	13/16	1 9/64	1 1/8	1 1/8	35/64	35/64	3/4	n/a
36128	7/8	1 7/32	1 3/16	1 3/16	5/8	5/8	53/64	n/a
36130	15/16	1 7/32	1 19/64	1 19/64	5/8	5/8	29/32	n/a
36132	1	1 7/32	1 11/32	1 11/32	5/8	5/8	15/16	n/a

Fed. Spec: ANSI B107.2

36902 9 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36108	1/4	36114	7/16	36120	5/8
36110	5/16	36116	1/2	36122	11/16
36112	3/8	36118	9/16	36124	3/4

36903 13 piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36108	1/4	36114	7/16	36120	5/8	36126	13/16
36110	5/16	36116	1/2	36122	11/16	36128	7/8
36112	3/8	36118	9/16	36124	3/4	36130	15/16
						36132	1



TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

12 F

3/8" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
35310	5/16	1 1/8	3/4	1/2	3/8	/	1/4	1/2
35312	3/8	1 1/8	3/4	1/2	3/8	/	3/8	1/2
35314	7/16	1 1/8	3/4	5/8	3/8	/	3/8	1/2
35316	1/2	1 1/8	3/4	3/4	3/8	/	3/8	/
35318	9/16	1 1/8	3/4	3/4	3/8	/	1/2	/
35320	5/8	1 1/8	1	15/16	1/2	/	1/2	/
35322	11/16	1 1/8	1	15/16	1/2	/	1/2	/
35324	3/4	1 1/8	1	1	1/2	/	5/8	/
35326	13/16	1 1/8	1 1/8	1	1/2	/	3/4	/
35328	7/8	1 1/8	1 1/8	1 1/8	1/2	/	3/4	/
35330	15/16	1 1/8	1 1/4	1 1/4	1/2	/	3/4	/
35332	1	1 1/8	1 3/8	1 3/8	1/2	/	1	/

36921 12 piece 3/8" Drive Shallow 12 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35310	5/16	35318	9/16	35326	13/16
35312	3/8	35320	5/8	35328	7/8
35314	7/16	35322	11/16	35330	15/16
35316	1/2	35324	3/4	35332	1

WILLIAMS®

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
12-610	5/16	2 1/8	11/16	1/2	1/4	1 21/32	9/32	1 5/8
12-612	3/8	2 1/8	11/16	5/8	9/32	1 5/8	11/32	1 5/8
12-614	7/16	2 1/8	11/16	21/32	11/32	1 5/8	11/32	1 5/8
12-616	1/2	2 1/8	3/4	3/4	3/8	1 15/32	7/16	-
12-618	9/16	2 3/8	13/16	13/16	7/16	1 1/2	17/32	-
12-620	5/8	2 3/8	29/32	29/32	15/32	11/2	5/8	-
12-622	11/16	2 5/8	31/32	31/32	1/2	1 19/32	21/32	-
12-624	3/4	2 5/8	1 1/16	1 1/16	9/16	1 19/32	23/32	-
12-626	13/16	2 3/4	1 1/8	1 1/8	9/16	1 25/32	25/32	-
12-628	7/8	2 3/4	1 3/16	1 3/16	19/32	1 7/8	27/32	-
12-630	15/16	2 3/4	1 9/32	1 9/32	19/32	1 15/16	29/32	-
12-632	1	2 3/4	1 11/32	1 11/32	5/8	2	1	-

Fed. Spec: ANSI B107.2

WS-12-8 8 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
12-610	5/16	12-614	7/16	12-618	9/16	12-622	11/16
12-612	3/8	12-616	1/2	12-620	5/8	12-624	3/4

WS-12-12 12 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
12-610	5/16	12-616	1/2	12-622	11/16	12-628	7/8
12-612	3/8	12-618	9/16	12-624	3/4	12-630	15/16
12-614	7/16	12-620	5/8	12-626	13/16	12-632	1

Made in U.S.A.



12-616 12-610

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



WS-12-8



WS-12-12

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36308	1/4	2 1/2	3/4	7/16	9/16	1 9/16	7/32	7/16
36310	5/16	2 1/2	3/4	1/2	21/32	1 23/32	9/32	7/16
36312	3/8	2 1/2	3/4	19/32	1 1/16	1 15/16	5/16	7/16
36314	7/16	2 1/2	3/4	21/32	1	1 29/32	13/32	7/16
36316	1/2	2 1/2	25/32	25/32	1 1/16	1 31/32	7/16	-
36318	9/16	2 1/2	13/16	13/16	1 1/16	1 31/32	17/32	-
36320	5/8	2 1/2	29/32	29/32	1 1/16	1 31/32	19/32	-
36322	11/16	2 1/2	15/16	15/16	1	1 31/32	21/32	-
36324	3/4	2 1/2	1 1/32	1 1/32	1 1/32	2	23/32	-
36326	13/16	2 1/2	1 1/8	1 1/8	1	1 13/16	3/4	
36328	7/8	2 1/2	1 3/16	1 3/16	1	1 13/16	53/64	
36330	15/16	2 1/2	1 19/64	1 19/64	1	1 13/16	29/32	
36332	1	2 1/2	1 11/32	1 11/32	1	1 13/16	15/16	-

Fed. Spec: ANSI B107.2

36904 9 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36308	1/4	36314	7/16	36320	5/8
36310	5/16	36316	1/2	36322	11/16
36312	3/8	36318	9/16	36324	3/4

36905 13 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36308	1/4	36318	9/16	36326	13/16
36310	5/16	36320	5/8	36328	7/8
36312	3/8	36322	11/16	36330	15/16
36314	7/16	36322	3/4	36332	1
36316	1/2				



36316 36308

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



36905

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

⚠ WARNING



36416 36410

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

12 M

3/8" DRIVE DEEP IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
36410	5/16	2 1/2	3/4	1/2	1/2	/	3/8	1 1/4
36412	3/8	2 1/2	3/4	1/2	3/4	/	1/2	1 1/4
36414	7/16	2 1/2	3/4	5/8	3/4	/	1/2	1 1/4
36416	1/2	2 1/2	3/4	3/4	1	/	1/2	/
36418	9/16	2 1/2	3/4	3/4	1	/	1/2	/
36420	5/8	2 1/2	1	1	1	/	1/2	/
36422	11/16	2 1/2	1	1	1	/	1/2	/
36424	3/4	2 1/2	1	1	1	/	3/4	/
36426	13/16	2 1/2	1	1	1	/	3/4	/
36428	7/8	2 1/2	1 1/8	1 1/8	1	/	3/4	/
36430	15/16	2 1/2	1 1/4	1 1/4	1	/	5/8	/
36432	1	2 1/2	1 3/8	1 3/8	1	/	1	/



36922

36922 12 piece 3/8" Drive Shallow 12 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
36410	5/16	36418	9/16	36426	13/16
36412	3/8	36420	5/8	36428	7/8
36414	7/16	36422	11/16	36430	15/16
36416	1/2	36424	3/4	36432	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.



2M-614 2M-607

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

6 M

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
2M-607	7	1 1/32	11/16	7/16	7/32	9/16	1/4	17/32
2M-608	8	1 1/32	11/16	1/2	1/4	9/16	9/32	17/32
2M-609	9	1 1/32	11/16	9/16	9/32	9/16	11/32	17/32
2M-610	10	1 1/32	11/16	5/8	9/32	9/16	11/32	17/32
2M-611	11	1 1/32	11/16	21/32	9/32	19/32	11/32	9/16
2M-612	12	1 1/16	23/32	23/32	9/32	9/16	11/32	-
2M-613	13	1 1/16	25/32	25/32	9/32	19/32	3/8	-
2M-614	14	1 3/32	13/16	13/16	9/16	19/32	1/2	-
2M-615	15	1 3/32	27/32	27/32	9/16	19/32	9/16	-
2M-616	16	1 1/8	29/32	29/32	19/32	5/8	19/32	-
2M-617	17	1 5/32	31/32	31/32	19/32	5/8	5/8	-
2M-618	18	1 5/32	1	1	5/8	21/32	11/16	-
2M-619	19	1 3/16	1 1/16	1 1/16	21/32	11/16	23/32	-



MS-2-13H

MS-2-13H 13 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
2M-607	7	2M-612	12	2M-617	17
2M-608	8	2M-613	13	2M-618	18
2M-609	9	2M-614	14	2M-619	19
2M-610	10	2M-615	15		
2M-611	11	2M-616	16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

USA Made in U.S.A.

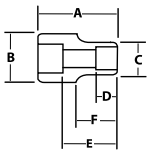
WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36507	7	1	3/4	7/16	9/32	17/32	1/4	7/16
36508	8	1	3/4	1/2	5/16	17/32	9/32	7/16
36509	9	1	3/4	1/2	5/16	17/32	11/32	7/16
36510	10	1	3/4	5/8	11/32	17/32	11/32	7/16
36511	11	1	3/4	11/16	11/32	17/32	11/32	7/16
36512	12	1	3/4	23/32	3/8	21/32	11/32	7/16
36513	13	1	7/8	13/16	5/16	1/2	3/8	7/16
36514	14	1 1/16	7/8	13/16	17/32	21/32	1/2	7/16
36515	15	1 1/16	7/8	7/8	9/16	11/16	9/16	-
36516	16	1 1/16	15/16	15/16	9/16	11/16	19/32	-
36517	17	1 1/16	15/16	15/16	9/16	23/32	5/8	-
36518	18	1 1/16	1 1/16	1 1/16	19/32	23/32	11/16	-
36519	19	1 5/32	1 1/16	1 1/16	9/16	3/4	23/32	-





TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36906 10 Piece 3/8" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36510	10	36514	14	36518	18
36511	11	36515	15	36519	19
36512	12	36516	16		
36513	13	36517	17		



36906

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS®

3/8" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diamter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
36607	7	1 1/8	3/4	1/2	3/8	/	3/8	1/2
36608	8	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36609	9	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36610	10	1 1/8	3/4	1/2	3/8	/	1/2	1/2
36611	11	1 1/8	3/4	1/2	1/2	/	1/2	1/2
36612	12	1 1/8	3/4	3/4	1/2	/	1/2	/
36613	13	1 1/8	3/4	3/4	1/2	/	1/2	/
36614	14	1 1/8	3/4	3/4	1/2	/	1/2	/
36615	15	1 1/8	7/8	7/8	1/2	/	1/2	/
36616	16	1 1/8	7/8	1	1/2	/	1/2	/
36617	17	1 1/8	7/8	1	1/2	/	5/8	/
36618	18	1 1/8	1	1	1/2	/	5/8	/
36619	19	1 1/8	1	1	1/2	/	5/8	/



36612 36607

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

36923 13 Piece 3/8" Drive Shallow 12 point Impact Socket Set on Clip and Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36607	7	36612	12	36617	17
36608	8	36613	13	36618	18
36609	9	36614	14	36619	19
36610	10	36615	15		
36611	11	36616	16		



36923

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

⚠ WARNING



36819

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

6 M

3/8" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
36810	10	2 1/4	7/8	5/8	3/8	1/2	5/16	15/16
36811	11	2 1/4	7/8	11/16	1/2	1/2	3/8	15/16
36812	12	2 1/4	7/8	11/16	1/2	1/2	3/8	15/16
36813	13	3/8	7/8	13/16	1/2	9/16	3/8	1 1/16
36814	14	3/8	7/8	13/16	1/2	9/16	1/2	1 1/16
36815	15	3/8	7/8	7/8	1/2	9/16	9/16	1 1/16
36816	16	3/8	7/8	7/8	1/2	9/16	9/16	1 1/16
36817	17	3/8	7/8	1	1/2	11/16	5/8	1 1/4
36818	18	2 5/8	7/8	1 1/16	1/2	11/16	11/16	1 1/4
36819	19	2 5/8	7/8	1/8	1/2	11/16	11/16	1 1/4



36910

36910 10 Piece 3/8" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36810	10	36814	14	36818	18
36811	11	36815	15	36819	19
36812	12	36816	16		
36813	13	36817	17		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove



35622 35630

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

6 F

3/8" DRIVE ONE PIECE IMPACT HEX BIT STUBBY DRIVERS, SAE

Black Industrial Finish

Product Code	Size (inches)	OAL (Inches)	Product Code	Size (inches)	OAL (Inches)
35620	1/8	1 1/8	35628	1/4	1 1/8
35622	5/32	1 1/8	35630	5/16	1 1/8
35624	3/16	1 1/8	35632	3/8	1 1/8
35626	7/32	1 1/8			

Fed. Spec: ANSI B107.2



36914

36914 7 Piece 3/8" Drive One Piece Impact Hex Bit Stubby Drivers, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35620	1/8	35626	7/32	35632	3/8
35622	5/32	35628	1/4		
35624	3/16	35630	5/16		



35605 35608



36918

WILLIAMS

6 M

3/8" DRIVE ONE PIECE IMPACT HEX BIT STUBBY DRIVERS, MM

Black Industrial Finish

Product Code	Size (inches)	OAL (Inches)	Product Code	Size (inches)	OAL (Inches)
35604	4	1 1/8	35608	8	1 1/8
35605	5	1 1/8	35610	10	1 1/8
35606	6	1 1/8			

Fed. Spec: ANSI B107.2

36918 5 Piece 3/8" Drive One Piece Impact Hex Bit Stubby Drivers, MM

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35604	4	35606	6	35610	10
35605	5	35608	8		

WILLIAMS

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
12M-607	7	2 1/8	11/16	7/16	9/32	1 11/16	1/4	1 5/8
12M-608	8	2 1/8	11/16	1/2	1/4	1 11/16	9/32	1 5/8
12M-609	9	2 1/8	11/16	9/16	9/32	1 11/16	11/32	1 5/8
12M-610	10	2 1/8	11/16	5/8	9/32	1 11/16	11/32	1 5/8
12M-611	11	2 1/8	11/16	21/32	21/64	1 11/16	11/32	1 5/8
12M-612	12	2 1/8	23/32	23/32	3/8	1 23/32	7/16	-
12M-613	13	2 1/8	25/32	25/32	7/16	1 3/8	15/32	-
12M-614	14	2 3/8	13/16	13/16	13/32	1 9/16	1/2	-
12M-615	15	2 3/8	27/32	27/32	13/32	1 9/16	9/16	-
12M-616	16	2 3/8	29/32	29/32	13/32	1 9/16	19/32	-
12M-617	17	2 5/8	31/32	31/32	7/16	1 3/4	5/8	-
12M-618	18	2 5/8	1	1	7/16	1 3/4	11/16	-
12M-619	19	2 5/8	1 1/16	1 1/16	9/16	1 3/4	23/32	-
12M-620	20	2 5/8	1 1/8	1 1/8	15/32	1 3/4	3/4	-
12M-621	21	2 5/8	1 5/32	1 5/32	1/2	1 3/4	25/32	-
12M-622	22	2 7/8	1 3/16	1 3/16	1/2	1 31/32	27/32	-
12M-623	23	2 7/8	1 1/4	1 1/4	17/32	1 31/32	7/8	-
12M-624	24	2 7/8	1 5/16	1 5/16	19/32	1 31/32	29/32	-


12M-614

12M-607

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

MS-12-13H 13 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
12M-607	7	12M-612	12	12M-617	17
12M-608	8	12M-613	13	12M-618	18
12M-609	9	12M-614	14	12M-619	19
12M-610	10	12M-615	15		
12M-611	11	12M-616	16		

MS-12-18H 18 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
12M-607	7	12M-613	13	12M-619	19
12M-608	8	12M-614	14	12M-620	20
12M-609	9	12M-615	15	12M-621	21
12M-610	10	12M-616	16	12M-622	22
12M-611	11	12M-617	17	12M-623	23
12M-612	12	12M-618	18	12M-624	24

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.


MS-12-13H


MS-12-18H

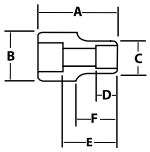
⚠ WARNING



36714 36707

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints





WILLIAMS

6 M

3/8" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
36707	7	2 1/2	3/4	7/16	15/32	1 23/32	1/4	7/16
36708	8	2 1/2	3/4	1/2	9/16	1 23/32	9/32	7/16
36709	9	2 1/2	3/4	1/2	19/32	1 23/32	5/16	7/16
36710	10	2 1/2	3/4	5/8	1	1 23/32	3/8	7/16
36711	11	2 1/2	3/4	21/32	1 1/16	1 23/32	13/32	7/16
36712	12	2 1/2	3/4	23/32	1	1 23/32	7/16	7/16
36713	13	2 1/2	7/8	25/32	1 3/16	2	1/2	7/16
36714	14	2 1/2	7/8	13/16	1 1/32	2	17/32	-
36715	15	2 1/2	7/8	7/8	1 1/16	2	9/16	-
36716	16	2 1/2	15/16	15/16	1 1/32	2	19/32	-
36717	17	2 1/2	15/16	15/16	1 1/32	2	21/32	-
36718	18	2 1/2	1	1	1	2	11/16	-
36719	19	2 1/2	1 1/16	1 1/16	1	2	23/32	-

36908 10 Piece 3/8" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
36710	10	36714	14	36718	18
36711	11	36715	15	36719	19
36712	12	36716	16		
36713	13	36717	17		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.



35412 35407

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

12 M

3/8" DRIVE DEEP IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (mm)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diamter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
35407	7	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35408	8	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35409	9	2 1/2	3/4	1/2	1/2	/	1/4	1 1/4
35410	10	2 1/2	3/4	1/2	3/4	/	3/8	1 1/4
35411	11	2 1/2	3/4	1/2	3/4	/	3/8	1 1/4
35412	12	2 1/2	3/4	3/4	3/4	/	3/8	/
35413	13	2 1/2	3/4	3/4	7/8	/	1/2	/
35414	14	2 1/2	3/4	3/4	7/8	/	1/2	/
35415	15	2 1/2	7/8	7/8	1	/	1/2	/
35416	16	2 1/2	7/8	7/8	1	/	1/2	/
35417	17	2 1/2	7/8	7/8	1	/	1/2	/
35418	18	2 1/2	7/8	7/8	1	/	5/8	/
35419	19	2 1/2	1	1	1	/	5/8	/

36924 13 Piece 3/8" Drive Deep 12 point Impact Socket Set on Clip and Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35407	7	35411	11	35415	15
35408	8	35412	12	35416	16
35409	9	35413	13	35417	17
35410	10	35414	14	35418	18
				35419	19

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.



36924

WILLIAMS

8 12 F

57 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

8 & 12 Point SAE, with Metal Box

Product Code	Description
WSS-57TB	57 Piece Tool Set with TB-6124A Metal Tool Box
WSS-57F	57 Piece Tool Set Only



WSS-57TB

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-20A	12" Sliding T-Handle
S-40AA	10 13/16" Flex Handle
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-52EHLA	15" Enclosed Head Ratchet

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4
ST-1242	1 5/16
ST-1244	1 3/8
ST-1246	1 7/16
ST-1248	1 1/2

Standard Hex Bit Sockets

Product Code	Size (Inches)
SA-8A	1/4
SA-10A	5/16
SA-12A	3/8
SA-16A	1/2
SA-18A	9/16
SA-20A	5/8

Drive Tools:

Product Code	Description
S-70	Ratchet Spinner Disk
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

Shallow 8-Point Sockets

Product Code	Size (Inches)
ST-812	3/8
ST-814	7/16
ST-816	1/2
ST-818	9/16
ST-820	5/8
ST-822	11/16
ST-824	3/4
ST-826	13/16
ST-828	7/8
ST-832	1



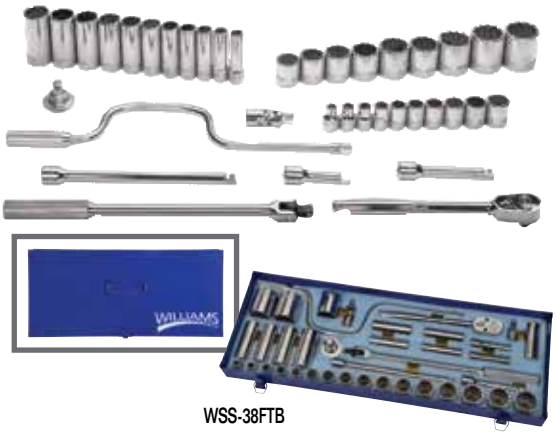
TB-6124A

Features

Made in U.S.A.

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

⚠ WARNING



WSS-38FTB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

38 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSS-38FTB	38 Piece Tool Set with TB-104 Metal Tool Box
WSS-38F	38 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-70	Ratchet Spinner Disk

Drive Tools:

Product Code	Description
S-140A	Universal Joint
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
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ST-1240	1 1/4
ST-1242	1 5/16

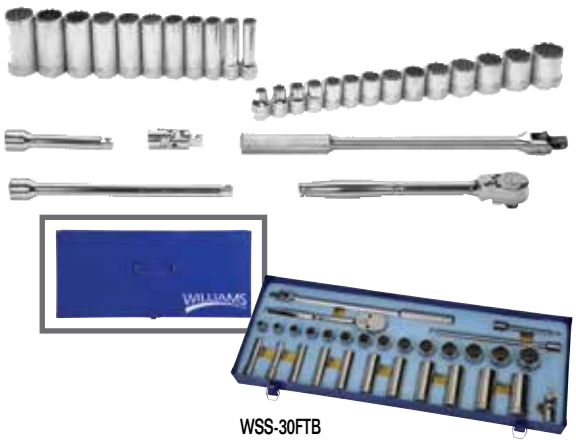
Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1244	1 3/8
ST-1246	1 7/16
ST-1248	1 1/2

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

Made in U.S.A.



WSS-30FTB

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.

WILLIAMS®

30 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSS-30FTB	30 Piece Tool Set with TB-104 Metal Tool Box
WSS-30F	30 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-140A	Universal Joint

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1240	1 1/4

Deep 12-Point Sockets

Product Code	Size (Inches)
SD-1216	1/2
SD-1218	9/16
SD-1220	5/8
SD-1222	11/16
SD-1224	3/4
SD-1226	13/16
SD-1228	7/8
SD-1230	15/16
SD-1232	1
SD-1234	1 1/16
SD-1236	1 1/8

Made in U.S.A.

WILLIAMS

22 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-22FTB	22 Piece Tool Set with TB-104 Metal Tool Box
WSS-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-140A	Universal Joint

Drive Tools:

Product Code	Description
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.





WSS-22FTB

WILLIAMS

19 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-19FTB	19 Piece Tool Set with TB-103 Metal Tool Box
WSS-19F	19 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1212	3/8
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16

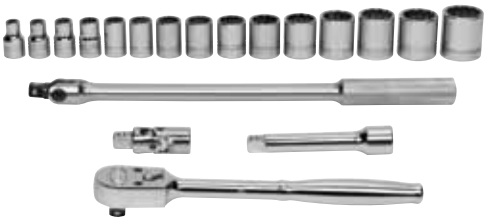
Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1228	7/8
ST-1230	15/16
ST-1232	1
ST-1234	1 1/16
ST-1236	1 1/8
ST-1238	1 3/16
ST-1240	1 1/4

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.





WSS-19FTB

⚠ WARNING



WSS-18HFTB

WILLIAMS

18 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

6 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-18HFTB	18 Piece Tool Set with TB-103 Metal Tool Box
WSS-18HF	18 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (Inches)
ST-612	3/8
ST-614	7/16
ST-616	1/2
ST-618	9/16
ST-620	5/8
ST-622	11/16
ST-624	3/4

Shallow 6-Point Sockets

Product Code	Size (Inches)
ST-626	13/16
ST-628	7/8
ST-630	15/16
ST-632	1
ST-634	1 1/16
ST-636	1 1/8
ST-640	1 1/4

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSS-15FTB

WILLIAMS

15 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
WSS-15FTB	15 Piece Tool Set with TB-103 Metal Tool Box
WSS-15F	15 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
ST-1214	7/16
ST-1216	1/2
ST-1218	9/16
ST-1220	5/8
ST-1222	11/16
ST-1224	3/4
ST-1226	13/16
ST-1228	7/8
ST-1230	15/16
ST-1232	1

Features

Made in U.S.A.

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

47 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSS-47TB	47 Piece Tool Set with TB-6124A Metal Tool Box (Keep Safe Foam Not Included)
MSS-47F	47 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-15A	18" Speeder Handle
S-20A	12" Sliding T-Handle
S-40AA	10 13/16" Flex Handle
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-60D	Stud Remover
S-70	Ratchet Spinner Disk
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

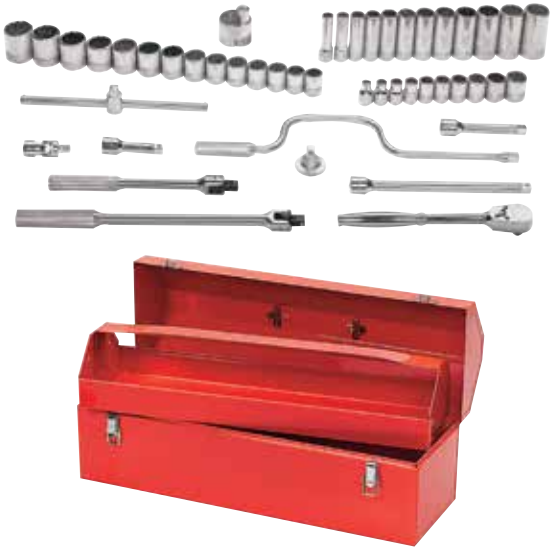
Deep 12-Point Sockets

Product Code	Size (MM)
SMD-1213	13
SMD-1214	14
SMD-1215	15
SMD-1216	16
SMD-1217	17
SMD-1218	18
SMD-1219	19
SMD-1221	21
SMD-1222	22
SMD-1224	24
SMD-1227	27
SMD-1230	30

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26
STM-1227	27
STM-1228	28
STM-1229	29
STM-1230	30
STM-1232	32
STM-1234	34
STM-1236	36

Made in U.S.A.



MSS-47TB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

33 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSS-33FTB	33 Piece Tool Set with TB-104 Metal Tool Box
MSS-33F	33 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 1/2" Flex Handle
S-52EHA	10 3/8" Enclosed Head Ratchet
S-102P	2" Extension
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (MM)
SMD-1213	13
SMD-1214	14
SMD-1215	15
SMD-1216	16
SMD-1217	17
SMD-1218	18
SMD-1219	19
SMD-1221	21
SMD-1222	22
SMD-1224	24
SMD-1227	27
SMD-1230	30

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24

Made in U.S.A.



MSS-33FTB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

⚠ WARNING



MSS-29FTB

WILLIAMS

12 M

29 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSS-29FTB	29 Piece Tool Set with TB-104 Metal Tool Box
MSS-29F	29 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 ⅜" Enclosed Head Ratchet
S-102P	2" Extension

Drive Tools:

Product Code	Description
S-110P	5" Extension
S-115P	10" Extension
S-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18
STM-1219	19
STM-1220	20
STM-1221	21

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26
STM-1227	27
STM-1228	28
STM-1229	29
STM-1230	30
STM-1232	32
STM-1234	34

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use.

Made in U.S.A.



MSS-22FTB

WILLIAMS

12 M

22 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, Packed in Exclusive Keep-Safe-Foam System with Metal Box

Product Code	Description
MSS-22FTB	22 Piece Tool Set with TB-104 Metal Tool Box
MSS-22F	22 Piece Tool Set Only - Packed in Keep Safe Foam System

Contents Include:

Drive Tools:

Product Code	Description
S-41AA	15 ½" Flex Handle
S-52EHA	10 ⅜" Enclosed Head Ratchet
S-110P	5" Extension

Drive Tools:

Product Code	Description
S-115P	10" Extension
S-140A	Universal Joint

Shallow 6-Point Sockets

Product Code	Size (MM)
STM-1210	10
STM-1211	11
STM-1212	12
STM-1213	13
STM-1214	14
STM-1215	15
STM-1216	16
STM-1217	17
STM-1218	18

Shallow 12-Point Sockets

Product Code	Size (MM)
STM-1219	19
STM-1220	20
STM-1221	21
STM-1222	22
STM-1223	23
STM-1224	24
STM-1225	25
STM-1226	26

Features

- Keep-Safe-Foam system keeps tools organized and helps prevent loss.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

WILLIAMS®

MULTI DRIVE SOCKET & DRIVE TOOL SETS

Product Code	Description
50614	146 Piece 1/4", 3/8", 1/2" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 219, 248, 301
50612	138 Piece 1/4", 3/8", 1/2" Drive Socket Set 6 Point Rugged Case System Tool Set, SAE & Metric Complete details on page 220, 249, 302
50611	95 Piece 1/4" & 3/8" Drive Master Socket, Wrench, and Screwdriver Set 6 & 12 Point Rugged Case System Tool Set, SAE Complete details on page 221, 250
50622	89 Piece 1/4" & 3/8" Drive Master Socket and Tool Set. 6 & 12 Point Rugged Case System Tool Set, Metric Complete details on page 222, 251
50681	32 Piece 1/4" & 3/8" Drive Bit Socket Set 6 Point Compact Case Tool Set, SAE & Metric Complete details on page 224

Features

- Sets include comprehensive assortment of sockets and drive tools in multiple drive sizes.
- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Rugged case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two component handles are easy to grip and comfortable to carry.



50681



50614



50612



50622



50611




⚠ WARNING



50614

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

6 12 M F

146 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 & 12 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50614	146 Piece 1/4", 3/8", 1/2" Drive Socket Set

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33003	3" Extension
33006	Handle
30007	Universal Joint
30009	Adaptor 1/4" F x 3/8" M

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13
30514	14

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2
30118	9/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (Inches)
35000	1/8
35001	5/32
35002	3/16
35003	7/32
35004	1/4
35005	5/16

1/4" Drive Hex Bit Sockets, SAE

Product Code	Size (MM)
35070	3
35071	4
35072	5
35073	6
35074	7
35075	8

1/4" Drive Screwdriver Bit Sockets

Product Code	Description
35040	5/32" Slotted Tip
35041	7/32" Slotted Tip
35042	9/32" Slotted Tip
35050	#0 Phillips Tip
35051	#1 Phillips Tip
35052	#2 Phillips Tip

1/4" Drive Torx Bit Sockets

Product Code	Size
35080	T10
35081	T15
35082	T20
35083	T25
35084	T27
35085	T30

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension

3/8" Drive Deep 12 Point Sockets, MM

Product Code	Size (MM)
31806	6
31807	7
31808	8
31809	9
31810	10
31811	11
31812	12
31813	13
31814	14
31815	15
31816	16
31817	17
31818	18
31819	19

3/8" Drive Deep 12 Point Sockets, SAE

Product Code	Size (Inches)
31408	1/4
31410	5/16
31412	3/8
31414	7/16
31416	1/2
31418	9/16
31420	5/8
31422	11/16
31424	3/4
31426	13/16
31428	7/8
31430	15/16
31432	1

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31506	6
31507	7
31508	8
31509	9
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31108	1/4
31110	5/16
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4
31126	13/16
31128	7/8
31130	15/16
31132	1

3/8" Drive Spark Plug Socket

Product Code	Size (Inches)
31301	5/8
31303	13/16

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32003	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor - 1/2" F x 3/8" M

1/2" Drive Shallow 12 Point Sockets,SAE

Product Code	Size (Inches)
32412	3/8
32414	7/16
32416	1/2
32418	9/16
32420	5/8
32422	11/16
32424	3/4
32426	13/16
32428	7/8
32430	15/16
32432	1

WILLIAMS

138 PIECE 1/4", 3/8", 1/2" DRIVE SOCKET SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50612	138 Piece 1/4", 3/8", 1/2" Drive Socket Set



50612

Contents Include:

1/4" Drive Tools:

Product Code	Description
33001	Ratchet
33002	4" Extension
33003	8" Extension
33006	18" Sliding T-handle
30007	Universal Joint
30013	Hex Bit Holder
24880	13 Piece Insert Bit Set

1/4" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
30704	4
30705	5
30706	6
30707	7
30708	8
30709	9
30710	10
30711	11
30712	12
30713	13

1/4" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
30305	5/32
30306	3/16
30307	7/32
30308	1/4
30309	9/32
30310	5/16
30311	11/32
30312	3/8
30314	7/16
30316	1/2

1/4" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
30504	4
30505	5
30599	5.5
30506	6
30507	7
30508	8
30509	9
30510	10
30511	11
30512	12
30513	13

1/4" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
30105	5/32
30106	3/16
30107	7/32
30108	1/4
30109	9/32
30110	5/16
30111	11/32
30112	3/8
30114	7/16
30116	1/2

3/8" Drive Tools

Product Code	Description
31001	Ratchet
31002	3" Extension
31003	6" Extension
31006	Universal Joint
31008	Adaptor
31013	Hex Bit Holder

3/8" Drive Deep 6 Point Sockets, MM

Product Code	Size (MM)
31710	10
31711	11
31712	12
31713	13
31714	14
31715	15
31716	16
31717	17
31718	18
31719	19

3/8" Drive Deep 6 Point Sockets, SAE

Product Code	Size (Inches)
31312	3/8
31314	7/16
31316	1/2
31318	9/16
31320	5/8
31322	11/16
31324	3/4
31326	13/16
31328	7/8

3/8" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
31510	10
31511	11
31512	12
31513	13
31514	14
31515	15
31516	16
31517	17
31518	18
31519	19

3/8" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
31112	3/8
31114	7/16
31116	1/2
31118	9/16
31120	5/8
31122	11/16
31124	3/4

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32002	6" Extension
32004	10" Extension
32006	Universal Joint
32008	Adaptor

1/2" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
32510	10
32511	11
32512	12
32513	13
32514	14
32515	15
32516	16
32517	17
32518	18
32519	19
32521	21
32522	22
32524	24
32527	27
32530	30
32532	32

1/2" Drive Shallow 6 Point Sockets,SAE

Product Code	Size (Inches)
32112	3/8
32114	7/16
32116	1/2
32118	9/16
32120	5/8
32122	11/16
32124	3/4
32126	13/16
32128	7/8
32130	15/16
32132	1
32134	1 1/16
32136	1 1/8
32138	1 3/16
32140	1 1/4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

⚠ WARNING



50617

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.

WILLIAMS®

61 PIECE 1/2" DRIVE SOCKET & TOOL SET

6 Point Rugged-Case-System Tool Set, SAE and Metric

Product Code	Description
50617	61 Piece Socket, Wrench, and Screwdriver Set

Contents Include:

1/2" Drive Tools

Product Code	Description
32001	Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15-1/2" Flex Handle
32006	Universal Joint
32008	Adaptor
32009	Adaptor 1/2 F x 3/4 M

1/2" Drive Shallow 6 Point Sockets, SAE

Product Code	Size (Inches)
32112	3/8
32114	7/16
32116	1/2
32118	9/16
32120	5/8
32122	11/16
32124	3/4
32126	13/16
32128	7/8
32130	15/16
32132	1
32134	1 1/16
32136	1 1/8
32138	1 3/16
32140	1 1/4

12 Point Combination Wrenches, SAE

Product Code	Size (Inches)
11108	1/4
11110	5/16
11112	3/8
11114	7/16
11116	1/2
11118	9/16
11120	5/8
11122	11/16
11124	3/4

1/2" Drive Shallow 6 Point Sockets, MM

Product Code	Size (MM)
32510	10
32511	11
32512	12
32513	13
32514	14
32515	15
32516	16
32517	17
32518	18
32519	19
32521	21
32522	22
32524	24
32527	27
32530	30
32532	32

12 Point Combination Wrenches, MM

Product Code	Size (MM)
11506	6
11508	8
11510	10
11512	12
11513	13
11514	14
11515	15
11517	17
11519	19

Comfort Grip Screwdrivers

Product Code	Description
24205	3/16" x 4" Slotted
24219	1/4" x 4" Slotted
24249	# 1 x 3" Phillips
24253	# 2 x 4" Phillips

WILLIAMS®

23 PIECE 1/2" DRIVE BASIC TOOL SET

12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
50609	23 Piece Basic Tool Set, SAE
50626	Replacement Case Only for Set 50609

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Quick-Release Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15" Flex Handle Breaker Bar
32006	Universal Joint
32008	1/2" F X 3/8" M Adapter
32009	1/2" F X 3/4" M Adapter

1/2" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
32212	3/8
32214	7/16
32216	1/2
32218	9/16
32220	5/8
32222	11/16
32224	3/4
32226	13/16
32228	7/8
32230	15/16
32232	1
32234	1 1/16
32236	1 1/8
32238	1 3/16
32240	1 1/4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.



50609

WILLIAMS®

25 PIECE 1/2" DRIVE BASIC TOOL SET

12 Point Rugged-Case-System Tool Set, Metric

Product Code	Description
50619	25 Piece Basic Tool Set, Metric
50637	Replacement Case Only for Set 50619

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Quick-Release Ratchet
32002	3" Extension
32003	6" Extension
32004	10" Extension
32005	15" Flex Handle Breaker Bar
32006	Universal Joint
32008	1/2" F X 3/8" M Adapter
32009	1/2" F X 3/4" M Adapter

1/2" Drive Shallow 12-Point Sockets

Product Code	Size (MM)
32610	10
32611	11
32612	12
32613	13
32614	14
32615	15
32616	16
32617	17
32618	18
32619	19
32620	20
32621	21
32622	22
32624	24
32627	27
32630	30
32632	32

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight.
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges.
- Two-component handles are easy to grip and comfortable to carry.



50619

⚠ WARNING



50668

WILLIAMS®

12 F

23 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50668	23 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32005	15 1/2" Flex Handle
32003	6" Extension

1/2" Drive Deep 12 Point Sockets

Product Code	Size (Inches)	Product Code	Size (Inches)
32416	1/2	32424	3/4
32418	9/16	32426	13/16
32420	5/8	32428	7/8
32422	11/16		

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32114	7/16	32224	3/4	32234	1 1/16
32216	1/2	32226	13/16	32236	1 1/8
32218	9/16	32228	7/8	32240	1 1/4
32220	5/8	32230	15/16		
32222	11/16	32232	1		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50667

WILLIAMS®

12 F

12 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, SAE

Product Code	Description
50667	12 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32003	6" Extension

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32216	1/2	32224	3/4	32232	1
32218	9/16	32226	13/16	32236	1 1/8
32220	5/8	32228	7/8		
32222	11/16	32230	15/16		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight



50669

WILLIAMS®

12 M

12 PIECE 1/2" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Compact Case Tool Set, MM

Product Code	Description
50669	12 Piece 1/2" Drive Socket and Drive Tool Set

Contents Include:

1/2" Drive Tools:

Product Code	Description
32001	9 7/8" Pear Head Ratchet
32003	6" Extension

1/2" Drive Shallow 12 Point Sockets:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32612	12	32616	16	32622	22
32613	13	32617	17	32624	24
32614	14	32618	18		
32615	15	32619	19		

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged compact high-density polyethylene (HDPE) cases that are strong and durable yet light in weight

WILLIAMS®

1/2" DRIVE ENCLOSED HEAD RATCHETS

Williams® Sealed Narrow Head Design, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52EHA	Chrome Finish Enclosed Head Ratchet	10 1/4	36
S-52EHLA	Chrome Finish Enclosed Head Ratchet, Long	15	36
SB-52EHLA	Black Industrial Finish Enclosed Head Ratchet, Long	15	36
S-52EHFA	Chrome Finish Flex Head Ratchet	14 1/4	36
SB-52EHA	Black Industrial Finish Enclosed Head Ratchet	10 1/4	36
S-52EHRKA	Repair Kit "EHA" Model Enclosed Head Ratchets		

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Enclosed head is sealed to prevent dust, dirt, and liquids from entering head, preserving internal lubrication.
- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Nickel/Chrome plating provides increase protection from rust and corrosion.
- Chrome finish models feature mirror-like exterior that can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.


SB-52EHA


S-52EHLA


SB-52EHLA


S-52EHFA


S-52EHA

WILLIAMS®

1/2" DRIVE ROUND HEAD RATCHETS

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52A	Chrome Finish Round Head Ratchet	11 5/16	72
S-53A	Chrome Finish Round Head Ratchet, Long	15	72
BS-52A	Black Industrial Finish Round Head Ratchet	11 5/16	72
S-52ARK	Repair Kit		

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Double pawl design with 72 teeth action provides a 5° ratcheting angle.
- Shift lever reverses action instantly.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.


S-53A


BS-52A


S-52A

WILLIAMS®

1/2" DRIVE ROUND HEAD LINEMAN'S RATCHET

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
S-52LAB	Round Head Lineman's Ratchet	11 5/16	72
S-52LARK	Repair Kit		

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Same features as other Williams' round head ratchets.
- Extra-large shift lever allows easy reversal even when wearing gloves.


S-52LAB



⚠ WARNING



BS-71CBA

WILLIAMS®

1/2" DRIVE NARROW HEAD CONSTRUCTION RATCHET

Knurled Handle, Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
BS-71CBA	Narrow Head Construction Ratchet	15 13/16	32
BS-71ARKA	Repair Kit		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas.
- Extra-large shift lever reverses action instantly and easily, even when wearing gloves.
- Tapered spud handle easily lines up bolt holes.



BS-62



BS-63B



TOOLS @ HEIGHT™
DROP PREVENTION SYSTEM

WILLIAMS®

1/2" DRIVE SCAFFOLDING RATCHET

Product Code	Description	Product Code	Description
BS-62	Scaffolding Ratchet with out pry bar	BS-63BTIP	Hammer Tip
BS-63B	Scaffolding Ratchet with pry bar	BS-63BBAR	Pry Bar
BS-63BRK	Repair Kit		

Features

- 1/2" Drive with pinned 7/8" 6-point socket, 2-1/4" length
- 36 tooth gear with 10 degree of engagement allows engagement in tight working areas
- Bronze hammer head reduces rebound
- Pry bar handle provide alignment option
- Socket feature SUPERTORQUE lobular opening for greater turning power without deforming the fastener
- Easy access reversing lever allows user to change working direction quickly and easily with only one hand
- Tethering device attached to handle

Made in U.S.A.



S-40AA



SB-40AA



BS-41AA



S-20A



S-10A



S-15A



S-41AA

WILLIAMS®

1/2" DRIVE HANDLES

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)
S-40AA	Chrome Flex Handle	10 13/16
SB-40AA	Black Industrial Finish Flex Handle	10 13/16
S-41AA	Chrome Flex Handle	15 1/2
BS-41AA	Black Industrial Finish Flex Handle	15 1/2
S-20A	Sliding T-Handle	12
S-10A	Speeder Handle	13 5/8
S-15A	Speeder Handle	18 1/16
S-41RK	Flex Handle Repair Kit	

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Speeder handle is ideal for fast turn down of fasteners.

WILLIAMS®

1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
S-102P	Extension	2
S-110P	Extension	5
S-115P	Extension	10
S-121P	Extension	20
S-140A	Universal Joint	2 11/16
S-70	Ratchet Spinner Disk	1 9/16

Fed. Spec: ANSI B107.10M


S-70

S-140A

WSS-3XT 3 Piece Extension Set in Pouch

Contents Include:

Product Code	Size (Inches)
S-102P	2
S-110P	5
S-115P	10


WSS-3XT

S-110P

Features

Made in U.S.A.

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.
- Spinner disk is ideal for fast turn down of fasteners.

WILLIAMS®

1/2" DRIVE ADAPTORS AND EXTENSION ADAPTERS

High-Polished Chrome and Black Oxide Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)
Chrome Finish Adapter			
SH-130	1 15/16	3/4	1/2
Black Industrial Finish Adapters			
SH-130B	1 15/16	3/4	1/2
SH-131BA	2 5/16	1/2	3/4
Black Industrial Finish Extension Adapters			
BS-05B	5	3/8	1/2
BS-12B	12	3/8	1/2

Fed. Spec: ANSI B107.10M

Made in U.S.A.


BS-05B


BS-12B

Features

- Ball and spring socket retention.
- Extension adapters offer convenience of extension and adapter in one tool.


SH-130


SH-131BA


SH-130B

WILLIAMS®

1/2" DRIVE STUD REMOVER

Satin Chrome Finish

Product Code	Description	Length (Inches)	Capacity (Inches)
S-60E	Stud Remover	2	1/2 to 3/4

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Knurled wheel grips studs during removal.
- Drive shank extends through both sides of housing for even bearing surface.
- Capacity is 1/2" to 3/4" stud diameter.


S-60D

⚠ WARNING



32007



32011

11920



32005



32001



32006



32008



32009

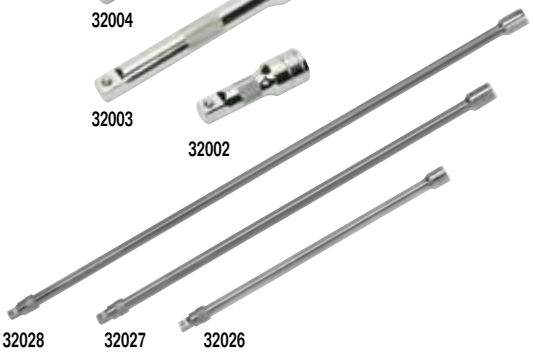


32004



32003

32002



32028 32027 32026



32920

WILLIAMS

1/2" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
32001	40 Tooth Quick-Release Ratchet	9 7/8	32001RK
32011	Ultra-Fine 60-Tooth Ratchet	9 7/8	32011RK
32005	Flex Handle	15	
11920	Flex Handle, Comb. 3/8" x 1/2" Drive	10	
32007	Sliding T-Handle	15	

Fed. Spec: ANSI B107.10M

Features

- Ball and spring socket retention.
- Williams 1/2" Drive Ratchets Feature:
- Ultra-fine 60 tooth model offers 6° tooth action in a narrow pear head
- Unique Finger-Fit handles to provide a comfortable, non-slip grip and extra turning power.
- Choice of 38-tooth quick-release or 60-tooth ultra-fine gear.
- Narrow pear-shaped heads for access into confined work areas.
- High-polished chrome finish for easy cleaning.
- Unique combination 3/8" x 1/2" drive flex handle offers convenience of both drive sizes on one handle.

WILLIAMS

1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
32002	Extension	3
32003	Extension	6
32004	Extension	10
32006	Universal Joint	2 11/16
32008	Adaptor, 1/2" F x 3/8" M	1 7/16
32009	Adaptor, 1/2" F x 3/4" M	1 3/4
32023	Locking Extension	3
32024	Locking Extension	6
32025	Locking Extension	10
32026	Locking Extension	12
32027	Locking Extension	18
32028	Locking Extension	24

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS

6 PIECE 1/2" DRIVE RATCHET AND DRIVE TOOL SET

Furnished in Pouch

Product Code	Description
32920	6 Piece 1/2" Drive Ratchet and Accessory Set

Contents Include:

Product Code	Description	Product Code	Description
32001	9 7/8" Quick-Release Ratchet	32005	15" Flex Handle Breaker Bar
32002	3" Extension	32006	Universal Joint
32004	10" Extension	32007	15" Sliding T-Handle

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.

WILLIAMS

1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
ST-1212	3/8	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
ST-1214	7/16	1 1/2	29/32	21/32	3/8	7/8	13/32	23/32
ST-1216	1/2	1 1/2	29/32	3/4	3/8	7/8	15/32	23/32
ST-1218	9/16	1 1/2	29/32	13/16	3/8	7/8	15/32	23/32
ST-1219	19/32	1 1/2	29/32	7/8	3/8	7/8	15/32	23/32
ST-1220	5/8	1 1/2	29/32	29/32	9/16	7/8	15/32	-
ST-1221	21/32	1 1/2	31/32	31/32	19/32	7/8	15/32	-
ST-1222	11/16	1 1/2	31/32	31/32	13/16	27/32	5/8	-
ST-1224	3/4	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
ST-1225	25/32	1 1/2	1 1/16	1 1/16	13/16	27/32	3/4	-
ST-1226	13/16	1 1/2	1 1/8	1 1/8	13/16	27/32	25/32	-
ST-1228	7/8	1 1/2	1 3/16	1 3/16	13/16	13/16	7/8	-
ST-1230	15/16	1 17/32	1 9/32	1 9/32	13/16	27/32	29/32	-
ST-1231	31/32	1 9/16	1 5/16	1 5/16	27/32	7/8	15/16	-
ST-1232	1	1 9/16	1 11/32	1 11/32	27/32	7/8	31/32	-
ST-1234	1 1/16	1 11/16	1 7/16	1 7/16	31/32	1	1 1/16	-
ST-1236	1 1/8	1 3/4	1 1/2	1 1/2	1 1/32	1 1/16	1 1/8	-
ST-1238	1 3/16	1 3/4	1 5/8	1 5/8	1	1 1/32	1 5/32	-
ST-1240	1 1/4	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 1/4	-
ST-1242	1 5/16	1 7/8	1 3/4	1 3/4	1 1/32	1 5/32	1 9/32	-
ST-1244	1 3/8	2 1/16	1 13/16	1 13/16	1	1 5/16	1 11/32	-
ST-1246	1 7/16	2 1/4	1 15/16	1 15/16	1 1/32	1 1/2	1 1/8	-
ST-1248	1 1/2	2 1/4	2	2	1 1/16	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.1



WSS-15RC 15 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-1212	3/8	ST-1222	11/16	ST-1232	1
ST-1214	7/16	ST-1224	3/4	ST-1234	1 1/16
ST-1216	1/2	ST-1226	13/16	ST-1236	1 1/8
ST-1218	9/16	ST-1228	7/8	ST-1238	1 3/16
ST-1220	5/8	ST-1230	15/16	ST-1240	1 1/4


WSS-15RC

WSS-23RC 23 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-1212	3/8	ST-1221	21/32	ST-1230	15/16	ST-1240	1 1/4
ST-1214	7/16	ST-1222	11/16	ST-1231	31/32	ST-1242	1 5/16
ST-1216	1/2	ST-1224	3/4	ST-1232	1	ST-1244	1 3/8
ST-1218	9/16	ST-1225	25/32	ST-1234	1 1/16	ST-1246	1 7/16
ST-1219	19/32	ST-1226	13/16	ST-1236	1 1/8	ST-1248	1 1/2
ST-1220	5/8	ST-1228	7/8	ST-1238	1 3/16		

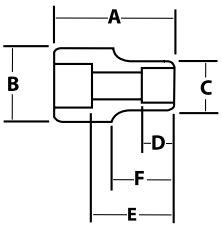
Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.


WSS-23RC

⚠ WARNING





32220 32212

WILLIAMS®

12 F

1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
32212	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32
32214	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16
32216	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32
32218	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16
32220	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-
32222	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-
32224	3/4	1 1/2	1	1	3/4	29/32	23/32	-
32226	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-
32228	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-
32230	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-
32232	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-
32234	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-
32236	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 9/16	1 5/32	-
32238	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-
32240	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-
32242	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-
32244	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-
32246	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-
32248	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.1



32922

32922 9 Piece 1/2" Drive Shallow 12-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32216	1/2	32222	11/16	32228	7/8
32218	9/16	32224	3/4	32230	15/16
32220	5/8	32226	13/16	32232	1



32924

32924 16 piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32212	3/8	32220	5/8	32228	7/8	32236	1 1/8
32214	7/16	32222	11/16	32230	15/16	32238	1 3/16
32216	1/2	32224	3/4	32232	1	32240	1 1/4
32218	9/16	32226	13/16	32234	1 1/16	32248	1 1/2

32925 19 piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32212	3/8	32222	11/16	32232	1	32242	1 5/16
32214	7/16	32224	3/4	32234	1 1/16	32244	1 3/8
32216	1/2	32226	13/16	32236	1 1/8	32246	1 7/16
32218	9/16	32228	7/8	32238	1 3/16	32248	1 1/2
32220	5/8	32230	15/16	32240	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



32925

WILLIAMS

1/2" DRIVE SHALLOW SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
ST-612	3/8	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
ST-614	7/16	1 1/2	29/32	21/32	3/8	7/8	13/32	23/32
ST-616	1/2	1 1/2	29/32	3/4	3/8	7/8	15/32	23/32
ST-618	9/16	1 1/2	29/32	13/16	3/8	7/8	15/32	23/32
ST-619	19/32	1 1/2	29/32	7/8	3/8	7/8	15/32	23/32
ST-620	5/8	1 1/2	29/32	29/32	9/16	7/8	15/32	-
ST-622	11/16	1 1/2	31/32	31/32	13/16	27/32	5/8	-
ST-624	3/4	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
ST-625	25/32	1 1/2	1 1/16	1 1/16	13/16	27/32	3/4	-
ST-626	13/16	1 1/2	1 1/8	1 1/8	13/16	27/32	25/32	-
ST-628	7/8	1 1/2	1 3/16	1 3/16	13/16	13/16	7/8	-
ST-630	15/16	1 17/32	1 9/32	1 9/32	13/16	27/32	29/32	-
ST-632	1	1 9/16	1 11/32	1 11/32	27/32	7/8	31/32	-
ST-634	1 1/16	1 11/16	1 7/16	1 7/16	31/32	1	1 1/16	-
ST-636	1 1/8	1 3/4	1 1/2	1 1/2	1 1/32	1 1/16	1 1/8	-
ST-640	1 1/4	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 1/4	-

Fed. Spec: ANSI B107.1



WSS-14HRC 14 Piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-612	3/8	ST-622	11/16	ST-632	1
ST-614	7/16	ST-624	3/4	ST-634	1 1/16
ST-616	1/2	ST-626	13/16	ST-636	1 1/8
ST-618	9/16	ST-628	7/8	ST-640	1 1/4
ST-620	5/8	ST-630	15/16		

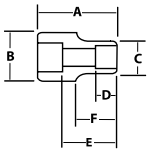
Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



⚠ WARNING





32120 32112

WILLIAMS®

1/2" DRIVE SHALLOW 6 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32112	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32
32114	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16
32116	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32
32118	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16
32120	5/8	1 1/2	29/32	29/32	17/32	27/32	9/16	-
32122	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-
32124	3/4	1 1/2	1	1	3/4	29/32	23/32	-
32126	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-
32128	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-
32130	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-
32132	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-
32134	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-
32136	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-
32138	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-
32140	1 1/4	1 3/4	1 11/16	1 21/32	31/32	1 5/16	1 1/4	-
32142	1 5/16	1 47/64	1 1/2	1 47/64	59/64	59/64	1 3/16	-
32144	1 3/8	1 47/64	1 37/64	1 53/64	59/64	59/64	1 17/64	-
32146	1 7/16	1 31/32	1 21/32	1 57/64	1 1/16	1 1/16	1 11/32	-
32148	1 1/2	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/8	-

Fed. Spec: ANSI B107.1



32934

32934 9 Piece 1/2" Drive Shallow 6-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32116	1/2	32122	11/16	32128	7/8
32118	9/16	32124	3/4	32130	15/16
32120	5/8	32126	13/16	32132	1

32937 16 Piece 1/2" Drive Shallow 6-Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32112	3/8	32120	5/8	32128	7/8	32136	1 1/8
32114	7/16	32122	11/16	32130	15/16	32138	1 3/16
32116	1/2	32124	3/4	32132	1	32140	1 1/4
32118	9/16	32126	13/16	32134	1 1/16	32148	1 1/2



32937

32938 19 piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32112	3/8	32122	11/16	32132	1	32142	1 5/16
32114	7/16	32124	3/4	32134	1 1/16	32144	1 3/8
32116	1/2	32126	13/16	32136	1 1/8	32146	1 7/16
32118	9/16	32128	7/8	32138	1 3/16	32148	1 1/2
32120	5/8	32130	15/16	33140	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.



32938

WILLIAMS

1/2" DRIVE CROWFOOT WRENCH, OPEN END, SAE

High Polished Chrome Finish

Product Code	Size (Inches)	Overall Length (Inches)	Diameter of Head (Inches)	Thickness of Head (Inches)	Thickness of Drive End (Inches)	Length of Centers (Inches)
10810	15/16	2 5/8	1 7/8	5/16	1/2	1 5/8
10811	1	2 5/8	2	5/16	1/2	1 5/8
10812	1 1/16	2 3/4	2	5/16	1/2	1 3/4
10813	1 1/8	2 3/4	2 7/32	5/16	1/2	1 3/4
10814	1 3/16	3	2 5/16	3/8	1/2	1 7/8
10815	1 1/4	3	2	3/8	1/2	1 7/8
10816	1 5/16	3	2.56	3/8	1/2	2
10817	1 3/8	3	2.68	3/8	1/2	2
10818	1 7/16	3 7/32	3	3/8	1/2	2
10819	1 1/2	3 7/32	3	3/8	1/2	2
10820	1 9/16	3 3/8	3	1/2	1/2	2
10821	1 5/8	3 3/8	3 1/4	1/2	1/2	2
10822	1 11/16	3 1/2	3 5/16	1/2	1/2	2 7/32
10823	1 3/4	3 1/2	3 1/2	1/2	1/2	2 7/32
10824	1 13/16	3 1/2	3 1/2	1/2	1/2	2 7/32
10825	1 7/8	3 1/2	3 1/2	1/2	1/2	2 7/32
10826	1 15/16	3 1/2	3 1/2	1/2	1/2	2 7/32
10827	2	3 3/4	4	1/2	1/2	2 1/4
10828	2 1/16	3 3/4	4	1/2	1/2	2 1/4
10829	2 1/8	4	4	1/2	1/2	2 1/2
10830	2 3/16	4	4	1/2	1/2	2 1/2
10831	2 1/4	4	4 7/32	1/2	1/2	2 1/2
10832	2 5/16	4	4 7/32	1/2	1/2	2 1/2
10833	2 3/8	4 1/4	4 1/4	1/2	1/2	2 1/2
10834	2 7/16	4 1/4	4 3/8	1/2	1/2	2 1/2
10835	2 1/2	4 1/4	4 3/8	1/2	1/2	2 1/2


10840


10841

10840 12 Piece 1/2" Drive Crowfoot Wrenches on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10810	15/16	10814	1 3/16	10818	1 7/16
10811	1	10815	1 1/4	10819	1 1/2
10812	1 1/16	10816	1 5/16	10820	1 9/16
10813	1 1/8	10817	1 3/8	10821	1 5/8

10841 14 Piece 1/2" Drive Crowfoot Wrenches on Clip Railst
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
10822	1 11/16	10825	1 7/8	10830	2 3/16	10833	2 3/8
10823	1 3/4	10827	2	10831	2 1/4	10834	2 7/16
10824	1 13/16	10828	2 1/16	10832	2 5/16	10835	2 1/2
10826	1 15/16	10829	2 1/8				

WILLIAMS

1/2" DRIVE CROWFOOT WRENCH, FLARE NUT, 12 POINT

Satin Chrome Finish, SAE

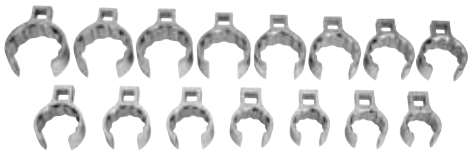
Product Code	Size (Inches)	A Diameter of Head	B Thickness of Head	C Width of Slot	D Length of Centers
SCF36	1 1/8	1 5/8	7/8	27/32	1 5/32
SCF38	1 3/16	1 11/16	7/8	27/32	1 3/16
SCF40	1 1/4	1 25/32	7/8	15/16	1 15/64
SCF42	1 5/16	1 27/32	7/8	31/32	1 17/64
SCF44	1 3/8	1 15/16	15/16	1 1/16	1 5/16
SCF46	1 7/16	2	15/16	1 1/16	1 11/32
SCF48	1 1/2	2 1/16	15/16	1 1/8	1 3/8
SCF50	1 9/16	2 5/32	15/16	1 5/32	1 27/64
SCF52	1 5/8	2 7/32	15/16	1 7/32	1 29/64
SCF54	1 11/16	2 5/16	1	1 5/16	1 33/64
SCF56	1 3/4	2 3/8	1	1 5/16	1 35/64
SCF58	1 13/16	2 15/32	1	1 11/32	1 19/32
SCF60	1 7/8	2 9/16	1 1/16	1 3/8	1 41/64
SCF62	1 15/16	2 1/2	1 1/16	1 7/16	1 43/64
SCF64	2	2 23/32	1 1/16	1 9/16	1 23/32

Fed. Spec: ASME B107.21 Type 1 Class 1


SCF36


SCF60


WSSCF-7


WSSCF-15

Made in U.S.A.

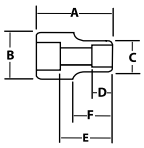
WSSCF-7 7 Piece 12 Point Crowfoot Wrench on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SCF36	1 1/8	SCF42	1 5/16	SCF46	1 7/16
SCF38	1 3/16	SCF44	1 3/8	SCF48	1 1/2
SCF40	1 1/4				

WSSCF-15 15 Piece 12 Point Crowfoot Wrench on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SCF36	1 1/8	SCF44	1 3/8	SCF52	1 5/8	SCF60	1 7/8
SCF38	1 3/16	SCF46	1 7/16	SCF54	1 11/16	SCF62	1 15/16
SCF40	1 1/4	SCF48	1 1/2	SCF56	1 3/4	SCF64	2
SCF42	1 5/16	SCF50	1 9/16	SCF58	1 13/16		

⚠ WARNING





ST-812



WSS-814RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 8 point sockets are designed for quick engagement on 4 point fasteners.

WILLIAMS®

1/2" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
ST-812	3/8	1 1/2	7/8	23/32	5/16	27/32	5/16	7/8
ST-814	7/16	1 1/2	7/8	13/16	3/8	27/32	5/16	7/8
ST-816	1/2	1 1/2	29/32	29/32	13/32	27/32	11/32	-
ST-818	9/16	1 1/2	31/32	31/32	7/16	27/32	7/16	-
ST-820	5/8	1 1/2	1 1/16	1 1/16	1/2	27/32	7/16	-
ST-822	11/16	1 1/2	1 3/16	1 3/16	1/2	27/32	17/32	-
ST-824	3/4	1 1/2	1 9/32	1 9/32	9/16	13/16	23/32	-
ST-826	13/16	1 5/8	1 7/16	17/16	9/16	31/32	27/32	-
ST-828	7/8	1 3/4	1 1/2	1 1/2	5/8	1 1/16	15/16	-
ST-830	15/16	1 13/16	1 5/8	1 5/8	11/16	1 1/8	1 1/32	-
ST-832	1	1 15/16	1 11/16	1 11/16	11/16	1 1/4	1 1/32	-
ST-834	1 1/16	1 15/16	1 3/4	1 3/4	23/32	1 1/8	13/16	-
ST-836	1 1/8	2	1 13/16	1 13/16	3/4	1 3/16	13/16	-
ST-840	1 1/4	2	2	2	25/32	1 3/16	1	-

Fed. Spec: ANSI B107.1

WSS-814RC 14 Piece 8 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
ST-812	3/8	ST-820	5/8	ST-828	7/8	ST-834	1 1/16
ST-814	7/16	ST-822	11/16	ST-830	15/16	ST-836	1 1/8
ST-816	1/2	ST-824	3/4	ST-832	1	ST-840	1 1/4
ST-818	9/16	ST-826	13/16				

Made in U.S.A.



SD-1224

SD-1216



WSSD-11RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
SD-1216	1/2	3 1/4	29/32	3/4	13/32	2 19/32	15/32	2 15/32
SD-1218	9/16	3 1/4	29/32	13/16	7/16	2 19/32	15/32	2 15/32
SD-1220	5/8	3 1/4	29/32	29/32	15/32	2 7/16	19/32	-
SD-1222	11/16	3 1/4	31/32	31/32	17/32	2 11/32	21/32	-
SD-1224	3/4	3 1/4	1 1/16	1 1/16	19/32	2 5/16	23/32	-
SD-1225	25/32	3 1/4	1 1/16	1 1/16	21/32	2 9/32	25/32	-
SD-1226	13/16	3 1/4	1 1/8	1 1/8	21/32	2 9/32	25/32	-
SD-1228	7/8	3 1/4	1 3/16	1 3/16	23/32	2 9/32	27/32	-
SD-1230	15/16	3 1/4	1 9/32	1 9/32	3/4	2 9/32	29/32	-
SD-1232	1	3 1/4	1 11/32	111/32	3/4	2 1/4	1	-
SD-1234	1 1/16	3 1/4	1 7/16	1 7/16	3/4	2 1/4	1 1/16	
SD-1236	1 1/8	3 1/4	1 1/2	1 1/2	25/32	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.1

WSSD-11RC 11 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SD-1216	1/2	SD-1224	3/4	SD-1232	1
SD-1218	9/16	SD-1226	13/16	SD-1234	1 1/16
SD-1220	5/8	SD-1228	7/8	SD-1236	1 1/8
SD-1222	11/16	SD-1230	15/16		

Made in U.S.A.

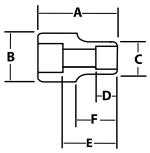
WILLIAMS

1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
32412	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32
32414	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32
32416	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32
32418	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32
32420	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-
32422	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-
32424	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-
32426	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-
32428	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-
32430	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-
32432	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-
32434	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-
32436	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-
32438	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-
32440	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-
32442	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-
32444	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-
32446	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-
32448	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-

Fed. Spec: ANSI B107.1




32420 32412

32926 9 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32416	1/2	32422	11/16	32428	7/8
32418	9/16	32424	3/4	32430	15/16
32420	5/8	32426	13/16	32432	1


32926

32928 16 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32412	3/8	32420	5/8	32428	7/8	32436	1 1/8
32414	7/16	32422	11/16	32430	15/16	32438	1 3/16
32416	1/2	32424	3/4	32432	1	32440	1 1/4
32418	9/16	32426	13/16	32434	1 1/16	32448	1 1/2

32929 19 piece 1/2" Drive Deep 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32412	3/8	32422	11/16	32432	1	32442	1 5/16
32414	7/16	32424	3/4	32434	1 1/16	32444	1 3/8
32416	1/2	32426	13/16	32436	1 1/8	32446	1 7/16
32418	9/16	32428	7/8	32438	1 3/16	32448	1 1/2
32420	5/8	32430	15/16	32440	1 1/4		


32928

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.


32929

⚠ WARNING



SD-624 SD-616

WILLIAMS

1/2" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
SD-616	1/2	3 1/4	29/32	3/4	13/32	2 19/32	15/32	2 15/32
SD-618	9/16	3 1/4	29/32	13/16	7/16	2 19/32	15/32	2 15/32
SD-620	5/8	3 1/4	29/32	29/32	15/32	2 7/16	19/32	-
SD-622	11/16	3 1/4	31/32	31/32	17/32	2 11/32	21/32	-
SD-624	3/4	3 1/4	1 1/16	1 1/16	19/32	2 5/16	23/32	-
SD-626	13/16	3 1/4	1 1/8	1 1/8	21/32	2 9/32	25/32	-
SD-628	7/8	3 1/4	1 3/16	1 3/16	23/32	2 9/32	27/32	-
SD-630	15/16	3 1/4	1 9/32	1 9/32	3/4	2 9/32	29/32	-
SD-632	1	3 1/4	1 11/32	1 11/32	3/4	2 1/4	1	-
SD-634	1 1/16	3 1/4	1 7/16	1 7/16	25/32	2 1/4	1 1/32	-
SD-636	1 1/8	3 1/4	1 1/2	1 1/2	25/32	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.1

WSSD-11HRC 11 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
SD-616	1/2	SD-624	3/4	SD-632	1
SD-618	9/16	SD-626	13/16	SD-634	1 1/16
SD-620	5/8	SD-628	7/8	SD-636	1 1/8
SD-622	11/16	SD-630	15/16		

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.



WSSD-11HRC

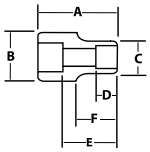
WILLIAMS

1/2" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
32312	3/8	3	7/8	5/8	1	2 7/32	11/32	1 15/32
32314	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	13/32	1 15/32
32316	1/2	3 1/32	7/8	3/4	31/32	2 7/32	7/16	1 15/32
32318	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1/2	1 15/32
32320	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	-
32322	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	-
32324	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	-
32326	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	-
32328	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	-
32330	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	-
32332	1	3 1/32	1 11/32	1 11/32	1 13/32	2 5/32	15/16	-
32334	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	-
32336	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	-
32338	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	-
32340	1 1/4	3 1/32	1 21/32	1 21/32	1 7/16	2 3/16	1 1/16	-
32342	1 5/16	3 1/32	1 47/64	1 47/64	1 3/8	2 11/64	1 3/16	-
32344	1 3/8	3 1/32	1 53/64	1 53/64	1 3/8	2 11/64	1 17/64	-
32346	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 11/32	-
32348	1 1/2	3 1/32	1 15/16	1 31/32	1 7/16	2 3/16	1 1/16	-

Fed. Spec: ANSI B107.1




32320 32312

32936 9 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32316	1/2	32322	11/16	32328	7/8
32318	9/16	32324	3/4	32330	15/16
32320	5/8	32326	13/16	32332	1


32936

32939 16 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32312	3/8	32320	5/8	32328	7/8	32336	1 1/8
32314	7/16	32322	11/16	32330	15/16	32338	1 3/16
32316	1/2	32324	3/4	32332	1	32340	1 1/4
32318	9/16	32326	13/16	32334	1 1/16	32348	1 1/2


32939

32940 19 piece 1/2" Drive Deep 6 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
32312	3/8	32322	11/16	32332	1	32342	1 5/16
32314	7/16	32322	3/4	32334	1 1/16	32344	1 3/8
32316	1/2	32326	13/16	32336	1 1/8	32346	1 7/16
32318	9/16	32328	7/8	32338	1 3/16	32348	1 1/2
32320	5/8	32330	15/16	32340	1 1/4		


32940

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on 6 point fasteners.

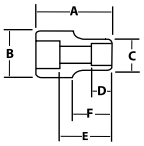
⚠ WARNING

WILLIAMS®

12 M

1/2" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish





STM-1229 STM-1212

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
STM-1210	10	1 1/2	29/32	19/32	5/16	7/8	11/32	23/32
STM-1211	11	1 1/2	29/32	11/16	5/16	7/8	13/32	23/32
STM-1212	12	1 1/2	29/32	23/32	13/32	7/8	7/16	23/32
STM-1213	13	1 1/2	29/32	25/32	3/8	7/8	15/32	23/32
STM-1214	14	1 1/2	29/32	27/32	3/8	7/8	15/32	23/32
STM-1215	15	1 1/2	29/32	7/8	3/8	7/8	15/32	-
STM-1216	16	1 1/2	29/32	29/32	9/16	7/8	15/32	-
STM-1217	17	1 1/2	31/32	31/32	9/16	7/8	15/32	-
STM-1218	18	1 1/2	1	1	13/16	27/32	15/32	-
STM-1219	19	1 1/2	1 1/32	1 1/32	13/16	27/32	23/32	-
STM-1220	20	1 1/2	1 1/16	1 1/16	13/16	27/32	23/32	-
STM-1221	21	1 1/2	1 1/8	1 1/8	13/16	27/32	3/4	-
STM-1222	22	1 1/2	1 3/16	1 3/16	13/16	27/32	25/32	-
STM-1223	23	1 1/2	1 1/4	1 1/4	25/32	13/16	27/32	-
STM-1224	24	1 17/32	1 9/32	1 9/32	13/16	27/32	7/8	-
STM-1225	25	1 9/16	1 5/16	1 5/16	13/16	7/8	15/16	-
STM-1226	26	1 5/8	1 3/8	1 3/8	29/32	15/16	31/32	-
STM-1227	27	1 23/32	1 7/16	1 7/16	31/32	1	1	-
STM-1228	28	1 3/4	1 1/2	1 1/2	1	1 1/16	1 1/32	-
STM-1229	29	1 3/4	1 9/16	1 9/16	1 1/32	1 1/16	1 1/16	-
STM-1230	30	1 3/4	1 5/8	1 5/8	1 1/32	1 1/32	1 3/32	-
STM-1232	32	1 7/8	1 11/16	1 11/16	1 1/8	1 5/32	1 3/16	-
STM-1234	34	2 1/16	1 3/4	1 3/4	7/8	1 7/16	1	-
STM-1236	36	2 1/16	1 15/16	1 15/16	7/8	1 7/16	1 13/32	-

Fed. Spec: ANSI B107.5

MSS-15RC 15 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
STM-1210	10	STM-1214	14	STM-1218	18	STM-1222	22
STM-1211	11	STM-1215	15	STM-1219	19	STM-1223	23
STM-1212	12	STM-1216	16	STM-1220	20	STM-1224	24
STM-1213	13	STM-1217	17	STM-1221	21		



MSS-15RC

MSS-24RC 24 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
STM-1210	10	STM-1216	16	STM-1222	22	STM-1228	28
STM-1211	11	STM-1217	17	STM-1223	23	STM-1229	29
STM-1212	12	STM-1218	18	STM-1224	24	STM-1230	30
STM-1213	13	STM-1219	19	STM-1225	25	STM-1232	32
STM-1214	14	STM-1220	20	STM-1226	26	STM-1234	34
STM-1215	15	STM-1221	21	STM-1227	27	STM-1236	36

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



MSS-24RC

WILLIAMS

12 M

1/2" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
32609	9	1 1/2	7/8	9/16	9/16	11/16	5/16	23/32
32610	10	1 1/2	7/8	5/8	1/2	27/32	3/8	23/32
32611	11	1 1/2	7/8	21/32	1/2	7/8	13/32	23/32
32612	12	1 1/2	7/8	23/32	1/2	7/8	7/16	23/32
32613	13	1 1/2	7/8	3/4	9/16	27/32	15/32	23/32
32614	14	1 1/2	7/8	13/16	9/16	13/16	17/32	23/32
32615	15	1 1/2	7/8	7/8	17/32	13/16	9/16	-
32616	16	1 1/2	29/32	29/32	17/32	27/32	19/32	-
32617	17	1 1/2	15/16	15/16	17/32	27/32	21/32	-
32618	18	1 1/2	1	1	3/4	13/16	11/16	-
32619	19	1 1/2	1 1/16	1 1/16	3/4	7/8	45/64	-
32620	20	1 1/2	1 3/32	1 3/32	25/32	15/16	47/64	-
32621	21	1 1/2	1 1/8	1 1/8	25/32	15/16	49/64	-
32622	22	1 5/8	1 3/16	1 3/16	7/8	1 1/32	25/32	-
32623	23	1 5/8	1 7/32	1 7/32	7/8	1 1/32	13/16	-
32624	24	1 5/8	1 1/4	1 1/4	7/8	1 3/32	53/64	-
32625	25	1 5/8	1 5/16	1 5/16	7/8	1 3/32	55/64	-
32626	26	1 3/4	1 5/16	1 5/16	15/16	1 3/16	57/64	-
32627	27	1 3/4	1 7/16	1 7/16	15/16	1 3/16	29/32	-
32628	28	1 3/4	1 7/16	1 7/16	31/32	1 9/32	15/16	-
32629	29	1 3/4	1 1/2	1 1/2	31/32	1 9/32	31/32	-
32630	30	1 3/4	1 9/16	1 9/16	31/32	1 11/32	63/64	-
32632	32	1 3/4	1 5/8	1 5/8	31/32	1 11/32	1 1/64	-
32634	34	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-
32636	36	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-

Fed. Spec: ANSI B107.5



32615 32609

32930 10 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32610	10	32614	14	32618	18
32611	11	32615	15	32619	19
32612	12	32616	16		
32613	13	32617	17		



32930

32932 16 Piece 1/2" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32609	9	32613	13	32617	17	32621	21
32610	10	32614	14	32618	18	32622	22
32611	11	32615	15	32619	19	32623	23
32612	12	32616	16	32620	20	32624	24

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



32932

⚠ WARNING



32515 32509

WILLIAMS

1/2" DRIVE SHALLOW SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32509	9	1 1/2	7/8	9/16	9/16	11/16	5/16	23/32
32510	10	1 1/2	7/8	5/8	1/2	27/32	3/8	23/32
32511	11	1 1/2	7/8	21/32	1/2	7/8	13/32	23/32
32512	12	1 1/2	7/8	23/32	1/2	7/8	7/16	23/32
32513	13	1 1/2	7/8	3/4	9/16	27/32	15/32	23/32
32514	14	1 1/2	7/8	13/16	9/16	13/16	17/32	23/32
32515	15	1 1/2	7/8	7/8	17/32	13/16	9/16	-
32516	16	1 1/2	29/32	29/32	17/32	27/32	19/32	-
32517	17	1 1/2	15/16	15/16	17/32	27/32	21/32	-
32518	18	1 1/2	1	1	3/4	13/16	11/16	-
32519	19	1 1/2	1 1/16	1 1/16	3/4	7/8	45/64	-
32520	20	1 1/2	1 3/32	1 3/32	25/32	15/16	47/64	-
32521	21	1 1/2	1 1/8	1 1/8	25/32	15/16	49/64	-
32522	22	1 5/8	1 3/16	1 3/16	7/8	1 1/32	25/32	-
32523	23	1 5/8	1 7/32	1 7/32	7/8	1 1/32	13/16	-
32524	24	1 5/8	1 1/4	1 1/4	7/8	1 3/32	53/64	-
32525	25	1 5/8	1 5/16	1 5/16	7/8	1 3/32	55/64	-
32526	26	1 3/4	1 5/16	1 5/16	15/16	1 3/16	57/64	-
32527	27	1 3/4	1 7/16	1 7/16	15/16	1 3/16	29/32	-
32528	28	1 3/4	1 7/16	1 7/16	31/32	1 9/32	15/16	-
32529	29	1 3/4	1 1/2	1 1/2	31/32	1 9/32	31/32	-
32530	30	1 3/4	1 9/16	1 9/16	31/32	1 11/32	63/64	-
32532	32	1 31/32	1 11/16	1 31/32	1 1/8	1 1/2	1 1/32	-
32534	34	1 47/64	1 1/2	1 49/64	31/32	1 11/32	1 1/64	-
32536	36	2 1/16	1 15/16	1 15/16	7/8	1 7/16	1 13/32	-

Fed. Spec: ANSI B107.5



32943

32943 16 Piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32509	9	32513	13	32517	17	32521	21
32510	10	32514	14	32518	18	32522	22
32511	11	32515	15	32519	19	32523	23
32512	12	32516	16	32520	20	32524	24



32941

32941 24 piece 1/2" Drive Shallow 6 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32509	9	32515	15	32521	21	32527	27
32510	10	32516	16	32522	22	32528	28
32511	11	32517	17	32523	23	32529	29
32512	12	32518	18	32524	24	32530	30
32513	13	32519	19	32525	25	32532	32
32514	14	32520	20	32526	26	32536	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 point fasteners.

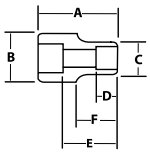
WILLIAMS®

1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
SMD-1213	13	3 1/4	29/32	25/32	13/32	2 15/32	15/32	2 19/32
SMD-1214	14	3 1/4	29/32	27/32	13/32	2 15/32	15/32	2 19/32
SMD-1215	15	3 1/4	29/32	7/8	13/32	2 15/32	15/32	-
SMD-1216	16	3 1/4	29/32	29/32	15/32	2 7/16	17/32	-
SMD-1217	17	3 1/4	31/32	31/32	1/2	2 11/32	5/8	-
SMD-1218	18	3 1/4	1	1	17/32	2 11/32	21/32	-
SMD-1219	19	3 1/4	1 1/32	1 1/32	9/16	2 5/16	11/16	-
SMD-1221	21	3 1/4	1 1/8	1 1/8	21/32	2 5/16	3/4	-
SMD-1222	22	3 1/4	1 3/16	1 3/16	23/32	2 9/32	13/16	-
SMD-1224	24	3 1/4	1 9/32	1 9/32	3/4	2 9/32	7/8	-
SMD-1227	27	3 1/4	1 7/16	1 7/16	3/4	2 1/4	1	-
SMD-1230	30	3 1/4	1 5/8	1 5/8	13/16	2 1/4	1 3/32	-

Fed. Spec: ANSI B107.5





SMD-1218

MSSD-12RC 12 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
SMD-1213	13	SMD-1217	17	SMD-1222	22
SMD-1214	14	SMD-1218	18	SMD-1224	24
SMD-1215	15	SMD-1219	19	SMD-1227	27
SMD-1216	16	SMD-1221	21	SMD-1230	30

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.



MSSD-12RC

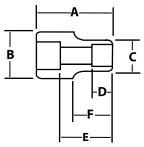
⚠ WARNING

WILLIAMS

12 M

1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish





32817 32810

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32809	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32810	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32811	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32
32812	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32
32813	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32
32814	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32
32815	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-
32816	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-
32817	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-
32818	18	3 1/4	1	1	13/16	2 11/32	15/32	-
32819	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-
32820	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-
32821	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-
32822	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-
32823	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-
32824	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-
32825	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-
32826	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-
32827	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-
32828	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-
32829	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-
32830	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-
32832	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-
32834	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-
32836	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-

Fed. Spec: ANSI B107.5

32951 16 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail



32951

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32809	9	32813	13	32817	17	32821	21
32810	10	32814	14	32818	18	32822	22
32811	11	32815	15	32819	19	32823	23
32812	12	32816	16	32820	20	32824	24

32949 24 Piece 1/2" Drive Deep 12 Point Socket Set on Clip Rail



32949

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32809	9	32815	15	32821	21	32827	27
32810	10	32816	16	32822	22	32828	28
32811	11	32817	17	32823	23	32829	29
32812	12	32818	18	32824	24	32830	30
32813	13	32819	19	32825	25	32832	32
32814	14	32820	20	32826	26	32836	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

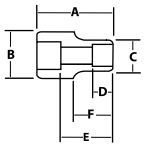
WILLIAMS

1/2" DRIVE DEEP SOCKETS, 6 POINT, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
32709	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32710	10	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32
32711	11	3 1/4	29/32	11/16	5/16	2 15/32	13/32	2 19/32
32712	12	3 1/4	29/32	23/32	13/32	2 15/32	7/16	2 19/32
32713	13	3 1/4	29/32	25/32	3/8	2 15/32	15/32	2 19/32
32714	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32
32715	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-
32716	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-
32717	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-
32718	18	3 1/4	1	1	13/16	2 11/32	15/32	-
32719	19	3 1/4	1 1/32	1 1/32	13/16	2 5/16	23/32	-
32720	20	3 1/4	1 1/16	1 1/16	13/16	2 5/16	23/32	-
32721	21	3 1/4	1 1/8	1 1/8	13/16	2 5/16	3/4	-
32722	22	3 1/4	1 3/16	1 3/16	13/16	2 5/16	25/32	-
32723	23	3 1/4	1 1/4	1 1/4	25/32	2 5/16	27/32	-
32724	24	3 1/4	1 9/32	1 9/32	13/16	2 5/16	7/8	-
32725	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-
32726	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-
32727	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-
32728	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-
32729	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-
32730	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-
32732	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-
32734	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-
32736	36	3 1/4	1 15/16	1 15/16	7/8	2 1/4	1 13/32	-

Fed. Spec: ANSI B107.5





32717 32710

32947 16 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32709	9	32713	13	32717	17	32721	21
32710	10	32714	14	32718	18	32722	22
32711	11	32715	15	32719	19	32723	23
32712	12	32716	16	32720	20	32724	24



32947

32945 24 Piece 1/2" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
32709	9	32715	15	32721	21	32727	27
32710	10	32716	16	32722	22	32728	28
32711	11	32717	17	32723	23	32729	29
32712	12	32718	18	32724	24	32730	30
32713	13	32719	19	32725	25	32732	32
32714	14	32720	20	32726	26	32736	36



32945

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

⚠ WARNING

WILLIAMS®

1/2" DRIVE TURBOSOCKET® SALVAGE/DAMAGED FASTENER SOCKETS



TS50750



TS51551



TSFS5005



TSM5107

Black Industrial Finish, Metric and SAE

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
TS50750	3/4	1 21/32	1 1/16	1 1/16	23/32	1	3/4	-
TS50812	13/16	1 21/32	1 1/8	1 1/8	23/32	1	13/16	-
TS50875	7/8	1 21/32	1 3/16	1 3/16	23/32	1	7/8	-
TS50937	15/16	1 21/32	1 5/16	1 5/16	23/32	1	15/16	-
TS50100	1	1 21/32	1 11/32	1 11/32	23/32	1	1	-

Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
TS51551	14	1 21/32	29/32	27/32	1/2	1	9/16	29/32
TS51591	15	1 21/32	29/32	29/32	1/2	1	19/32	-
TS51625	16	1 21/32	31/32	31/32	1/2	23/32	5/8	-
TS51669	17	1 21/32	1	1	21/32	23/32	11/16	-
TS51709	18	1 21/32	1 1/32	1 1/32	21/32	23/32	23/32	-
TS51750	19	1 21/32	1 1/16	1 1/16	23/32	1	3/4	-
TS51827	21	1 21/32	1 3/16	1 3/16	21/32	1	27/32	-

TSFS5005 5 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, SAE
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
TS50750	3/4	TS50937	15/16
TS50812	13/16	TS50100	1
TS50875	7/8		

TSMS5107 7 Piece TURBOSOCKET® Salvage Socket Set on Clip Rail, Metric
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
TS51551	14	TS51709	18
TS51591	15	TS51750	19 (3/4")
TS51625	16 (5/8")	TS51827	21
TS51669	17		

Features

Made in U.S.A.

- Quickly and easily remove damaged or rounded nuts and bolts.
- Place socket on fastener and turn with ratchet, breaker bar or T-handle.
- Grip on fastener tightens as more torque is applied.
- No hammering is required to install socket over fastener.
- Use on all types of standard nuts and bolts as well as studs, pipe nipples, and corroded auto and marine fasteners.
- May be used for "best fit" on metric and fractional fasteners.
- May be used with air or electric impact wrench for extra speed and turning power.

WILLIAMS®

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE



SA-16A



WSSS-6RC

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
SA-8A	1/4	1 1/2	29/32	2 1/4	BITH08-05
SA-10A	5/16	1 1/2	29/32	2 1/4	BITH10-05
SA-12A	3/8	1 1/2	29/32	2 1/4	BITH12-03
SA-16A	1/2	1 1/2	31/32	2 1/4	BITH16-01
SA-18A	9/16	1 9/16	1 1/16	2 1/4	BITH18-01
SA-20A	5/8	1 25/32	1 1/4	2 1/4	BITH20-01

WSSS-6RC 6 Piece Hex Bit Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
SA-8A	1/4	SA-16A	1/2
SA-10A	5/16	SA-18A	9/16
SA-12A	3/8	SA-20A	5/8

Features

Made in U.S.A.

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

WILLIAMS

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35208	1/4	1 7/16	29/32	2 13/32	27/32
35210	5/16	1 7/16	29/32	2 13/32	27/32
35212	3/8	1 7/16	29/32	2 13/32	27/32
35214	7/16	1 7/16	29/32	2 13/32	27/32
35202	1/2	1 19/32	7/8	2 13/32	27/32
35203	9/16	1 19/32	1	2 13/32	27/32
35204	5/8	1 19/32	1 1/16	2 13/32	27/32
35206	3/4	1 19/32	1 3/16	2 13/32	27/32



35202

32902 4 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
35202	1/2	35204	5/8
35203	9/16	35206	3/4



32902

32903 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35208	1/4	35214	7/16	35204	5/8
35210	5/16	35202	1/2	35206	3/4
35212	3/8	35203	9/16		



32903

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS

1/2" DRIVE STANDARD LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35274	8	1 19/32	29/32	2 13/32	27/32
35275	10	1 19/32	29/32	2 7/16	27/32
35276	12	1 19/32	29/32	2 7/16	27/32
35277	14	1 19/32	1	2 7/16	27/32
35278	17	1 19/32	1 3/32	2 7/16	27/32
35279	19	1 19/32	1 3/16	2 7/16	27/32



35274

32904 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
35274	8	35277	14
35275	10	35278	17
35276	12	35279	19



32904

Features

- High-polished chrome finish socket cleans easily.

⚠ WARNING



SA-16LA



WSSS-6LRC



35232



32957



32955

WILLIAMS®

1/2" DRIVE LONG HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
SA-8LA	1/4	1 1/2	29/32	4 1/2	BITH08-06
SA-10LA	5/16	1 1/2	29/32	4 1/2	BITH10-06
SA-12LA	3/8	1 1/2	29/32	4 1/2	BITH12-04
SA-16LA	1/2	1 1/2	31/32	4 1/2	BITH16-02
SA-18LA	9/16	1 9/16	1 1/16	4 1/2	BITH18-02
SA-20LA	5/8	1 25/32	1 1/4	4 1/2	BITH20-02

WSSS-6LRC 6 Piece Long Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
SA-8LA	1/4	SA-16LA	1/2
SA-10LA	5/16	SA-18LA	9/16
SA-12LA	3/8	SA-20LA	5/8

Features

- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

USA Made in U.S.A.

WILLIAMS®

1/2" DRIVE LONG LENGTH HEX BIT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35238	1/4	1 1/2	29/32	5 1/2
35240	5/16	1 1/2	29/32	5 1/2
35242	3/8	1 1/2	29/32	5 1/2
35244	7/16	1 1/2	29/32	5 1/2
35232	1/2	1 1/2	7/8	5 1/2
35233	9/16	1 9/16	1	5 1/2
35234	5/8	1 25/32	1 1/16	5 1/2
35236	3/4	1 25/32	1 3/16	5 1/2

32957 4 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
35232	1/2	35234	5/8
35233	9/16	35236	3/4

32955 8 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35238	1/4	35244	7/16	35234	5/8
35240	5/16	35232	1/2	35236	3/4
35242	3/8	35233	9/16		

Features

- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE LONG LENGTH HEX BIT SOCKETS, METRIC

High-Polished Chrome Finish

Product Code	Size (MM)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)
35294	8	1 ½	29/32	5 ½
35295	10	1 ½	29/32	5 ½
35296	12	1 ½	29/32	5 ½
35297	14	1 ½	1	5 ½
35298	17	1 ½	1 3/32	5 ½
35299	19	1 ½	1 3/16	5 ½


35294

32953 6 Piece Hex Bit Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
35294	8	35297	14
35295	10	35298	17
35296	12	35299	19


32953

Features
- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE TORX® BIT SOCKETS

High-Polished Chrome Finish

Product Code	Torx® Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
35283	T40	1 19/32	29/32	2 7/16	7/8
35284	T45	1 19/32	29/32	2 7/16	7/8
35285	T50	1 19/32	29/32	2 7/16	7/8
35286	T55	1 19/32	29/32	2 7/16	7/8
35287	T60	1 19/32	29/32	2 7/16	7/8


35283

32908 5 Piece Torx® Bit Socket Set on Clip Rail

Contents Include:

Product Code	Torx® Size	Product Code	Torx® Size
35283	T40	35286	T55
35284	T45	35287	T60
35285	T50		


32908

Features
- High-polished chrome finish socket cleans easily.

WILLIAMS®

1/2" DRIVE SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish, Phillips® and Slotted

Product Code	Size (Inches) / Point Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Replacement Bit Product Code
Slotted Bits:					
SA-10A-3S	23/64 x .061	1 ½	29/32	2 9/32	BITHS03
SA-12A-4S	27/64 x .075	1 ½	29/32	2 ¼	BITHS04
Phillips® Bits:					
SA-10A-3P	#3	1 ½	29/32	2 ¼	BITPH03-02
SA-12A-4P	#4	1 ½	29/32	2 ¼	BITPH04-01


SA-10A-3P


SA-10A-3S

WSSSP-4RC 4 Piece Screwdriver Bit Socket Set on Clip Rail

Contents Include:

Product Code	Tip Size	Product Code	Tip Size
SA-10A-3S	23/64 x.061	SA-10A-3P	3
SA-12A-4S	27/64 x.075	SA-12A-4P	4


WSSP-4RC

Features
- High-polished chrome finish socket cleans easily.
- Two piece design allows bits to be replaced easily.

Made in U.S.A.

⚠ WARNING


35251


32906

WILLIAMS®

1/2" DRIVE PHILLIPS® SCREWDRIVER BIT SOCKETS

High-Polished Chrome Finish

Product Code	Tip Size	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)
Phillips® Bits:					
35251	#2	1 19/32	29/32	2 7/16	7/8
35252	#3	1 19/32	29/32	2 7/16	7/8
35253	#4	1 19/32	29/32	2 7/16	7/8

32906 3 Piece Phillips® Screwdriver Bit Socket Set on Clip Rail
Contents Include:

Product Code	Tip Size
35251	#2
35252	#3
35253	#4

Features
- High-polished chrome finish socket cleans easily.


SB-30

WILLIAMS®

1/2" DRIVE DRAG LINK SOCKETS

High-Polished Chrome Finish

Product Code	Overall Length (Inches)	Tip Thickness (Inches)	Tip Width (Inches)
SB-30	1 5/8	5/32	15/16
SB-40	1 11/16	5/32	1 13/16

Fed. Spec: ANSI B107.1

Features
- Ideal for drag links on trucks and heavy equipment, as well as large screws.

Made in U.S.A.


SB-526

WILLIAMS®

1/2" DRIVE 5 POINT PENTA-SOCKET

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
SB-526	51/64	1 1/4	1 1/8	1 1/8	7/16	1/2	23/32	-

Features
- 5 point Penta-Socket services 5 point nuts found on tamper-resistant Buffalo covers used by gas, electric, and some water companies to protect shutoff gates.

Made in U.S.A.

WILLIAMS

1/2" DRIVE FLEXTENSIONS

Product Code	Drive Size	OAL (Inches)	Tension Y or N	6 or 12 Point	Nose End Diameter (Inches)	Socket Diameter (Inches)	Socket Length (Inches)	Clearance Depth (Inches)	Hex Opening
ISDX624LD	½	7 ½	N	12	1	1	⅞	5/16	¾
ISSH314	½	4 ½	N	6	¾	29/32	1 1/16	5/16	7/16
ISSHTB618	½	7 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSHTB618SS	½	7 ½	Y	6	¾	⅞	1 1/16	7/16	9/16
ISSHTL618SS	½	7 ½	Y	6	¾	⅞	1 1/16	7/16	9/16
ISSU24	½	2 ½	N	6	1	1 ⅛	1 ¼	½	¾
ISSUM16	½	2 ½	N	6		29/32	1 1/16	7/16	16 mm
ISSUM18	½	2 ½	N	6	13/16	1	1 1/16	7/16	18 mm
ISSX618	½	7 ½	N	6	13/16	29/32	1 1/16	7/16	9/16
ISSX624	½	7 ½	N	6	1	1 ⅛	1 ¼	½	¾
ISSX624MOD	½	7 ½	N	6	1	1 ⅛	⅞	5/16	¾
ISSXM616	½	7 ½	N	6	29/32	29/32	1 1/16	7/16	16 mm
ISSXM618	½	7 ½	N	6	13/16	1	1 1/16	7/16	18 mm
ISSXT1218	½	13 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSXT324	½	4 ½	Y	6	1	1 ⅛	1 ¼	½	¾
ISSXT418	½	5 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSXT618	½	7 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSXT624	½	7 ½	Y	6	1	1 ⅛	1 ¼	½	¾
ISSXTB618	½	7 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSXTB918	½	10 ½	Y	6	13/16	29/32	1 1/16	7/16	9/16
ISSXTD612A	½	7 ½	Y	12	⅝	¾	13/16	5/16	⅜
ISSXTM1013	½	11 ½	Y	6	¾	29/32	1 1/16	5/16	13 mm
ISSXTM1016	½	11 ½	Y	6	29/32	29/32	1 1/16	5/16	16 mm
ISSXTM1018	½	11 ½	Y	6	13/16	1	1 1/16	7/16	18 mm
ISSXTM1216	½	13 ½	Y	6	29/32	29/32	1 1/16	7/16	16 mm
ISSXTM612	½	7 ½	Y	6	29/32	29/32	1 1/16	7/16	15 mm
ISSXTM613	½	7 ½	Y	6	¾	29/32	1 1/16	5/16	13 mm
ISSXTM615	½	7 ½	Y	6	29/32	29/32	1 1/16	7/16	15 mm
ISSXTM616	½	7 ½	Y	6	27/32	29/32	1 1/16	7/16	16 mm
ISSXTM618	½	7 ½	Y	6	13/16	1	1 1/16	7/16	18 mm
ISSXTM915	½	10 ½	Y	6	29/32	29/32	1 1/16	7/16	15 mm
ISSXTM916	½	10 ½	Y	6	29/32	29/32	1 1/16	7/16	16 mm
ISSXTM918	½	10 ½	Y	6	13/16	1	1 1/16	7/16	18 mm
ISSXTMD610	½	7 ½	Y	12	⅝	⅞	1 ½	13/16	10 mm
SPSXL618	½	7	N	6	13/16	29/32	1 1/16	7/16	9/16
SPSXMD418	½	5 ½	N	12	13/16	1	1 1/16	7/16	18 mm
SPSXMD616	½	7 ½	N	12	29/32	29/32	1 1/16	7/16	16 mm
SPSXMD618	½	7 ½	N	12	13/16	1	1 1/16	7/16	18 mm


ISDX624LD


ISSXT618


ISSXM616

Features

- Flextensions are available in Non-Tension and Tension "T" spring loaded styles.
- Flextensions are available in various lengths and sizes for production and maintenance applications.
- Flextensions are designed for use on hand and power (Impulse or Direct drive) "Not for Impact Use"
- Snap-on Industrial Brands will quote any length and socket size you need. Contact your representative for details.

Made in U.S.A.

WILLIAMS

3/8" DRIVE FLEXTENSIONS

Product Code	Drive Size	OAL (Inches)	Tension Y or N	6 or 12 Point	Nose End Diameter (Inches)	Socket Diameter (Inches)	Socket Length (Inches)	Clearance Depth (Inches)	Hex Opening
ISFXM416	⅜	5 ½	N	6	⅞	⅞	1 1/16	7/16	16 mm
ISFXM616	⅜	7 ½	N	6	⅞	⅞	1 1/16	7/16	16 mm
ISFXTM416	⅜	5 ½	Y	6	⅞	⅞	1 1/16	7/16	16 mm
ISFXTM613	⅜	7 ½	Y	6	¾	⅞	1 1/16	¾	13 mm
ISFXTM616	⅜	7 ½	Y	6	⅞	⅞	1 1/16	7/16	16 mm

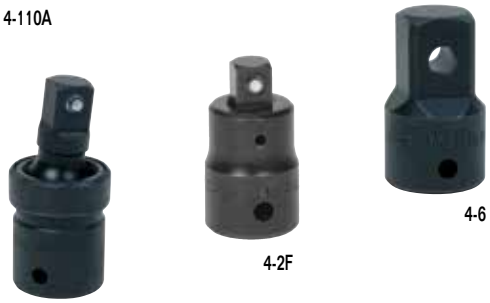


Features

- Flextensions are available in Non-Tension and Tension "T" spring loaded styles.
- Flextensions are available in various lengths and sizes for production and maintenance applications.
- Flextensions are designed for use on hand and power (Impulse or Direct drive) "Not for Impact Use"
- Snap-on Industrial Brands will quote any length and socket size you need. Contact your representative for details.

WARNING





WILLIAMS

1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
4-102	Impact Extension	3 1/2	Lock Ring
4-105A	Impact Extension	5	Spring Plunger
4-110A	Impact Extension	10	Spring Plunger
4-140B	Impact Universal Joint	2 1/2	Spring Plunger
4-2F	3/8" M x 1/2" F Adapter	2 1/4	Spring Plunger
4-6	3/4" M x 1/2" F Adapter	1 1/4	Through Hole

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.



WILLIAMS

1/2" DRIVE HEX TO SQUARE SHANK IMPACT EXTENSIONS

Black Industrial Finish

Product Code	Hex Shank Size (Inches)	Square Drive Size (Inches)	Length (Inches)
4-33B	7/16	1/2	2 3/4
4-35B	7/16	1/2	5
4-53B	5/8	1/2	2 3/4

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Spring plunger provides secure socket retention for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.



WILLIAMS

1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Socket Retention
37002	Impact Extension	3	Ball
37003	Impact Extension	6	Ball
37004	Impact Extension	10	Ball
37001	Impact Universal Joint	2 9/16	Ball
37005	1/2" F x 3/8" M Adapter	1 7/8	Ball

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Ball socket retention for fast socket changes.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.

WILLIAMS

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
4-612	3/8	1 1/2	29/32	19/32	1/4	7/8	11/32	11/16
4-614	7/16	1 1/2	29/32	23/32	5/16	7/8	13/32	11/16
4-616	1/2	1 1/2	29/32	13/16	13/32	7/8	15/32	11/16
4-618	9/16	1 1/2	29/32	7/8	13/32	7/8	15/32	11/16
4-620	5/8	1 1/2	31/32	31/32	15/32	7/8	1/2	-
4-622	11/16	1 1/2	1 1/16	1 1/16	13/16	27/32	5/8	-
4-624	3/4	1 1/2	1 1/8	1 1/8	13/16	27/32	11/16	-
4-626	13/16	1 1/2	1 1/4	1 1/4	13/16	13/16	25/32	-
4-628	7/8	1 1/2	1 5/16	1 5/16	13/16	13/16	7/8	-
4-630	15/16	1 3/4	1 3/8	1 3/8	1 1/32	1 1/16	15/16	-
4-632	1	1 3/4	1 7/16	1 7/16	1 1/32	1 1/16	1	-
4-634	1 1/16	2	1 9/16	1 9/16	1 1/4	1 9/32	1 1/32	-
4-636	1 1/8	2	1 5/8	1 5/8	1 1/4	1 9/32	1 1/8	-
4-638	1 3/16	2	1 11/16	1 11/16	1 1/4	1 9/32	1 5/32	-
4-640	1 1/4	2	1 3/4	1 3/4	13/16	1 9/32	1 7/32	-
4-642	1 5/16	2	1 1/2	1 7/8	7/8	1 3/8	1 1/16	-
4-644	1 3/8	2	1 1/2	1 15/16	7/8	1 3/8	1 1/16	-
4-646	1 7/16	2	1 1/2	2	29/32	1 3/8	1 1/16	-
4-648	1 1/2	2	1 9/16	2 1/8	29/32	1 3/8	1 1/16	-

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



4-612, 4-624

WS-4-7RC 7 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
4-614	7/16	4-622	11/16
4-616	1/2	4-624	3/4
4-618	9/16	4-626	13/16
4-620	5/8		



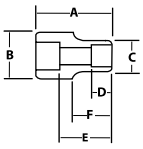
WS-4-7RC

WS-4-11RC 11 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-616	1/2	4-624	3/4	4-632	1
4-618	9/16	4-626	13/16	4-634	1 1/16
4-620	5/8	4-628	7/8	4-636	1 1/8
4-622	11/16	4-630	15/16		



WS-4-11RC



WS-4-14 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-612	3/8	4-622	11/16	4-632	1
4-614	7/16	4-624	3/4	4-634	1 1/16
4-616	1/2	4-626	13/16	4-636	1 1/8
4-618	9/16	4-628	7/8	4-640	1 1/4
4-620	5/8	4-630	15/16		



WS-4-14

WS-4-19RC 19 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
4-612	3/8	4-622	11/16	4-632	1	4-642	1 5/16
4-614	7/16	4-624	3/4	4-634	1 1/16	4-644	1 3/8
4-616	1/2	4-626	13/16	4-636	1 1/8	4-646	1 7/16
4-618	9/16	4-628	7/8	4-638	1 3/16	4-648	1 1/2
4-620	5/8	4-630	15/16	4-640	1 1/4		



WS-4-19RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

⚠ WARNING



37112, 37124

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

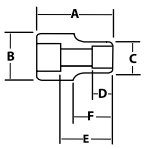
Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37902



37904





37905

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37112	3/8	1 1/2	15/16	5/8	9/16	7/8	5/16	3/4
37114	7/16	1 1/2	15/16	23/32	9/16	13/16	13/32	3/4
37116	1/2	1 1/2	15/16	13/16	9/16	21/32	15/32	3/4
37118	9/16	1 1/2	15/16	7/8	9/16	27/32	17/32	3/4
37120	5/8	1 1/2	1	31/32	1/2	29/32	9/16	3/4
37122	11/16	1 1/2	1 1/8	1 1/32	17/32	29/32	21/32	3/4
37124	3/4	1 1/2	1 1/8	1 1/8	3/4	29/32		-
37126	13/16	1 1/2	1 3/16	1 3/16	3/4	29/32		-
37128	7/8	1 1/2	1 1/4	1 1/4	3/4	15/16		-
37130	15/16	1 3/4	1 3/8	1 3/8	1	17/32		-
37132	1	1 3/4	1 1/2	1 1/2	1	1 7/32		-
37134	1 1/16	1 3/4	1 17/32	1 17/32	1	1 7/32		-
37136	1 1/8	1 3/4	1 5/8	1 5/8	1	1 3/16		-
37138	1 3/16	1 3/4	1 5/8	1 5/8	1	1 3/16		-
37140	1 1/4	1 3/4	1 3/4	1 3/4	1	1 5/32		-
37142	1 5/16	1 3/4	1 7/8	1 7/8	31/32	31/32	1 7/32	-
37144	1 3/8	2	1 57/64	1 57/64	1 1/16	1 1/16	1 19/64	-
37146	1 7/16	2	1 31/32	1 31/32	1 1/16	1 1/16	1 11/32	-
37148	1 1/2	2	2 1/8	2 1/8	1 1/16	1 1/16	1 3/8	-

Fed. Spec: ANSI B107.2

37902 9 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37116	1/2	37122	11/16	37128	7/8
37118	9/16	37124	3/4	37130	15/16
37120	5/8	37126	13/16	37132	1

37904 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37112	3/8	37122	11/16	37132	1
37114	7/16	37124	3/4	37134	1 1/16
37116	1/2	37126	13/16	37136	1 1/8
37118	9/16	37128	7/8	37140	1 1/4
37120	5/8	37130	15/16		

37905 19 piece 1/2" Drive Impact Shallow 6 Point Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37112	3/8	37122	11/16	37132	1	37142	1 5/16
37114	7/16	37124	3/4	37134	1 1/16	37144	1 3/8
37116	1/2	37126	13/16	37136	1 1/8	37146	1 7/16
37118	9/16	37128	7/8	37138	1 3/16	37148	1 1/2
37120	5/8	37130	15/16	37140	1 1/4		

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS

1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
35512	3/8	1 1/2	7/8	5/8	3/8	/	1/4	5/8
35514	7/16	1 1/2	7/8	3/4	3/8	/	1/4	5/8
35516	1/2	1 1/2	7/8	3/4	3/8	/	1/4	5/8
35518	9/16	1 1/2	1	7/8	3/8	/	1/2	5/8
35520	5/8	1 1/2	1	1	1/2	/	1/2	/
35522	11/16	1 1/2	1	1	1/2	/	1/2	/
35524	3/4	1 1/2	1	1	1/2	/	5/8	/
35526	13/16	1 1/2	1 1/8	1 1/8	1/2	/	3/4	/
35528	7/8	1 1/2	1 1/4	1 1/4	1/2	/	3/4	/
35530	15/16	1 1/2	1 1/4	1 1/4	1/2	/	7/8	/
35532	1	1 1/2	1 1/4	1 1/2	1/2	/	7/8	/
35534	1 1/16	1 9/16	1 1/2	1 1/2	5/8	/	1	/
35536	1 1/8	1 9/16	1 1/2	1 1/2	3/4	/	1	9/16
35538	1 3/16	1 9/16	1 1/2	1 5/8	3/4	/	1	9/16
35540	1 1/4	1 9/16	1 1/2	1 3/4	3/4	/	1 1/8	9/16
35542	1 5/16	1 5/8	1 1/2	1 3/4	7/8	/	1 1/8	9/16
35544	1 3/8	1 5/8	1 1/2	1 7/8	7/8	/	1 1/4	9/16
35546	1 7/16	1 5/8	1 1/2	2	7/8	/	1 1/4	9/16
35548	1 1/2	1 5/8	1 1/2	2	1	/	1 3/8	9/16

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



35512

37923 11 piece 1/2" Drive Impact Shallow 12 Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35512	3/8	35520	5/8	35528	7/8
35514	7/16	35522	11/16	35530	15/16
35516	1/2	35524	3/4	35532	1
35518	9/16	35526	13/16		


37923

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 and 12 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WILLIAMS

1/2" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37216	1/2	2 3/4	1	3/4	3/8	9/16	7/16	1
37218	9/16	2 3/4	1	3/4	3/8	9/16	7/16	1
37220	5/8	2 3/4	1	3/4	3/8	9/16	9/16	1
37222	11/16	2 3/4	1 1/4	1	1/2	11/16	11/16	1 1/4
37224	3/4	2 3/4	1 1/4	1	1/2	11/16	11/16	1 1/4
37226	13/16	3	1 1/4	1 1/4	5/8	13/16	13/16	1 1/2
37228	7/8	3	1 1/4	1 1/4	5/8	13/16	13/16	1 1/2

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37224

37918 7 Piece 1/2" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37216	1/2	37222	11/16	37228	7/8
37218	9/16	37224	3/4		
37220	5/8	37226	13/16		


37918

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

⚠ WARNING



14-612 14-624

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

6 F

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
14-612	3/8	3 1/4	29/32	19/32	5/16	2 5/8	11/32	2 15/32
14-614	7/16	3 1/4	29/32	23/32	11/32	2 5/8	13/32	2 15/32
14-616	1/2	3 1/4	29/32	13/16	13/32	2 5/8	15/32	2 15/32
14-618	9/16	3 1/4	29/32	7/8	13/32	2 5/8	15/32	2 15/32
14-620	5/8	3 1/4	31/32	31/32	15/32	2 7/16	5/8	-
14-622	11/16	3 1/4	1 1/16	1 1/16	1/2	2	5/8	-
14-624	3/4	3 1/4	1 1/8	1 1/8	9/16	2	11/16	-
14-626	13/16	3 1/4	1 1/4	1 1/4	5/8	2	25/32	-
14-628	7/8	3 1/2	1 5/16	1 5/16	9/16	2 1/4	7/8	-
14-630	15/16	3 1/2	1 3/8	1 3/8	3/4	2 1/4	15/16	-
14-632	1	3 1/2	1 7/16	1 7/16	3/4	2 1/4	1	-
14-634	1 1/16	3 1/2	1 9/16	1 9/16	25/32	2 1/4	1 1/32	-
14-636	1 1/8	3 1/2	1 5/8	1 5/8	13/16	2 1/4	1 1/8	-
14-638	1 3/16	3 1/2	1 11/16	1 11/16	13/16	2 1/4	1 3/16	-
14-640	1 1/4	3 1/2	1 3/4	1 3/4	1	2 21/32	1 1/4	-
14-642	1 5/16	3 1/2	1 1/2	1 7/8	15/16	2 7/8	1 1/16	-
14-644	1 3/8	3 1/2	1 1/2	2	29/32	2 7/8	1 1/16	-
14-646	1 7/16	3 1/2	1 1/2	2	29/32	2 7/8	1 1/16	-
14-648	1 1/2	3 1/2	1 9/16	2 1/8	29/32	2 7/8	1 1/16	-

Fed. Spec: ANSI B107.2



WS-14-11

WS-14-11 11 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-620	5/8	14-628	7/8
14-614	7/16	14-622	11/16	14-630	15/16
14-616	1/2	14-624	3/4	14-632	1
14-618	9/16	14-626	13/16		



WS-14-14RC

WS-14-14RC 14 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-622	11/16	14-632	1
14-614	7/16	14-624	3/4	14-634	1 1/16
14-616	1/2	14-626	13/16	14-636	1 1/8
14-618	9/16	14-628	7/8	14-640	1 1/4
14-620	5/8	14-630	15/16		



WS-14-19RC

WS-14-19RC 19 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
14-612	3/8	14-622	11/16	14-632	1	14-642	1 5/16
14-614	7/16	14-624	3/4	14-634	1 1/16	14-644	1 3/8
14-616	1/2	14-626	13/16	14-636	1 1/8	14-646	1 7/16
14-618	9/16	14-628	7/8	14-638	1 3/16	14-648	1 1/2
14-620	5/8	14-630	15/16	14-640	1 1/4		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

USA Made in U.S.A.

WILLIAMS

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37312	3/8	3 1/4	15/16	5/8	1 3/32	2 1/4	11/32	3/4
37314	7/16	3 1/4	15/16	11/16	1	2 3/8	13/32	3/4
37316	1/2	3 1/4	15/16	25/32	1 3/32	2 3/8	7/16	3/4
37318	9/16	3 1/4	15/16	7/8	1 5/32	2 11/32	1/2	3/4
37320	5/8	3 1/4	1	31/32	1 5/16	2 7/16	9/16	3/4
37322	11/16	3 1/4	1 1/8	1	1 3/8	2 17/32	21/32	3/4
37324	3/4	3 1/4	1 1/8	1 1/8	1 5/16	2 9/16	23/32	-
37326	13/16	3 1/4	1 3/16	1 3/16	1 1/2	2 11/32	3/4	-
37328	7/8	3 1/2	1 1/4	1 1/4	1 15/32	2 21/32	27/32	-
37330	15/16	3 1/2	1 3/8	1 3/8	1 13/32	2 19/32	29/32	-
37332	1	3 1/2	1 1/2	1 1/2	1 15/32	2 5/8	15/16	-
37334	1 1/16	3 1/2	1 17/32	1 17/32	1 29/32	2 17/32	1 1/32	-
37336	1 1/8	3 1/2	1 5/8	1 5/8	1 7/16	2 7/16	1 1/16	-
37338	1 3/16	3 1/2	1 21/32	1 21/32	1 13/32	2 27/32	1 1/16	-
37340	1 1/4	3 1/2	1 3/4	1 3/4	1 7/16	2 3/4	1 1/16	-
37342	1 5/16	3 1/2	1 7/8	1 7/8	1 3/8	2 43/64	1 7/32	
37344	1 3/8	3 1/2	1 57/64	1 57/64	1 3/8	2 43/64	1 19/64	
37346	1 1/16	3 1/2	1 31/32	1 31/32	1 3/8	2 43/64	1 11/32	
37348	1 1/2	3 1/2	2 1/8	2 1/8	1 3/8	2 43/64	1 3/8	-

Fed. Spec: ANSI B107.2



37324 37312

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

37906 9 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37316	1/2	37322	11/16	37328	7/8
37318	9/16	37324	3/4	37330	15/16
37320	5/8	37326	13/16	37332	1


37906

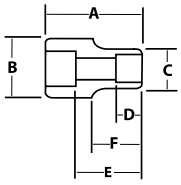
37908 15 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37312	3/8	37320	5/8	37328	7/8	37336	1 1/8
37314	7/16	37322	11/16	37330	15/16	37338	1 3/16
37316	1/2	37324	3/4	37332	1	37340	1 1/4
37318	9/16	37326	13/16	37334	1 1/16		


37908

37909 19 piece 1/2" Drive Impact Deep 6 Point Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37312	3/8	37322	11/16	37332	1	37342	1 5/16
37314	7/16	37322	3/4	37334	1 1/16	37344	1 3/8
37316	1/2	37326	13/16	37336	1 1/8	37346	1 7/16
37318	9/16	37328	7/8	37338	1 3/16	37348	1 1/2
37320	5/8	37330	15/16	37340	1 1/4		



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.


37909

WARNING



37424 37412

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

12 F

1/2" DRIVE DEEP IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37412	3/8	3 1/4	7/8	7/8	9/16	/	3/8	2
37414	7/16	3 1/4	7/8	3/4	9/16	/	3/8	2
37416	1/2	3 1/4	7/8	13/16	9/16	/	3/8	2
37418	9/16	3 1/4	15/16	7/8	5/8	/	1/2	2
37420	5/8	3 1/4	1	1	5/8	/	1/2	/
37422	11/16	3 1/4	1	1	3/4	/	9/16	/
37424	3/4	3 1/4	1	1	3/4	/	5/8	/
37426	13/16	3 1/4	1 1/8	1 1/8	1	/	3/4	/
37428	7/8	3 1/4	1 1/4	1 1/4	1	/	3/4	/
37430	15/16	3 1/4	1 1/4	1 1/4	1	/	7/8	/
37432	1	3 1/4	1 1/2	1 1/2	1	/	7/8	/
37434	1 1/16	3 1/4	1 1/2	1 1/2	1	/	1	/
37436	1 1/8	3 1/4	1 1/2	1 1/2	1	/	1	9/16
37438	1 3/16	3 1/4	1 1/2	1 5/8	1	/	1	9/16
37440	1 1/4	3 1/4	1 1/2	1 3/4	1	/	1 1/8	9/16
37442	1 5/16	3 1/2	1 1/2	1 13/16	1 3/8	/	1 1/8	9/16
37444	1 3/8	3 1/2	1 1/2	1 7/8	1 3/8	/	1 1/4	9/16
37446	1 7/16	3 1/2	1 1/2	2	1 3/8	/	1 1/4	9/16
37448	1 1/2	3 1/2	1 1/2	2	1 3/8	/	1 3/8	9/16



37924

37924 11 Piece 1/2" Drive Impact Deep 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
37412	3/8	37418	9/16	37426	13/16
37414	7/16	37420	5/8	37428	7/8
37416	1/2	37422	11/16	37430	15/16
		37424	3/4	37432	1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 and 12 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove



37819

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS®

6 M

1/2" DRIVE UNIVERSAL IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37813	13	2 3/4	1	3/4	3/8	1/2	1/2	1
37814	14	2 3/4	1	3/4	3/8	1/2	1/2	1
37815	15	2 3/4	1	1	3/8	1/2	1/2	1
37816	16	2 3/4	1	1	3/8	1/2	1/2	1
37817	17	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37818	18	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37819	19	2 3/4	1 1/4	1	1/2	3/4	3/4	1 1/4
37820	20	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37821	21	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37822	22	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2
37823	23	3	1 1/4	1 1/4	5/8	3/4	3/4	1 1/2



37916

37916 11 Piece 1/2" Drive Universal 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37813	13	37817	17	37821	21
37814	14	37818	18	37822	22
37815	15	37819	19	37823	23
37816	16	37820	20		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety, and durability
- Drive end features pin retention hole and groove

WILLIAMS®

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
4M-610	10	1 1/2	29/32	19/32	1/4	7/8	11/32	23/32
4M-611	11	1 1/2	29/32	23/32	5/16	7/8	13/32	23/32
4M-612	12	1 1/2	29/32	25/32	3/8	7/8	7/16	23/32
4M-613	13	1 1/2	29/32	27/32	13/32	7/8	15/32	23/32
4M-614	14	1 1/2	29/32	7/8	7/16	7/8	15/32	23/32
4M-615	15	1 1/2	15/16	15/16	7/16	7/8	15/32	-
4M-616	16	1 1/2	31/32	31/32	15/32	7/8	15/32	-
4M-617	17	1 1/2	1	1	1/2	7/8	15/32	-
4M-618	18	1 1/2	1 1/16	1 1/16	27/32	27/32	21/32	-
4M-619	19	1 1/2	1 1/8	1 1/8	13/16	27/32	11/16	-
4M-620	20	1 1/2	1 3/16	1 3/16	13/16	27/32	23/32	-
4M-621	21	1 1/2	1 1/4	1 1/4	13/16	27/32	3/4	-
4M-622	22	1 1/2	1 5/16	1 5/16	13/16	27/32	13/16	-
4M-623	23	1 3/4	1 5/32	1 5/32	1 1/32	1 3/32	27/32	-
4M-624	24	1 3/4	1 3/8	1 3/8	1 1/16	1 3/32	7/8	-
4M-625	25	1 3/4	1 7/16	1 7/16	1 1/16	1 3/32	29/32	-
4M-626	26	1 31/32	1 1/2	1 1/2	1 1/4	1 9/32	31/32	-
4M-627	27	1 31/32	1 9/16	1 9/16	1 1/4	1 9/32	1	-
4M-629	29	1 31/32	1 21/32	1 21/32	1 1/4	1 9/32	1 1/16	-
4M-630	30	1 31/32	1 11/16	1 11/16	1 1/4	1 9/32	1 3/32	-
4M-632	32	2	1 13/16	1 13/16	7/8	1 9/32	1 1/8	-
4M-634	34	2 1/16	1 11/16	1 7/8	29/32	1 7/16	1 11/32	-
4M-636	36	2 1/4	1 13/16	2	29/32	1 5/8	1 7/16	-

TOOLS @ HEIGHT® DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



4M-621

4M-610

MS-4-10HRC 10 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-614	14	4M-618	18
4M-611	11	4M-615	15	4M-619	19
4M-612	12	4M-616	16		
4M-613	13	4M-617	17		



MS-4-10HRC

MS-4-12HRC 12 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-613	13	4M-617	17	4M-622	22
4M-614	14	4M-618	18	4M-624	24
4M-615	15	4M-619	19	4M-627	27
4M-616	16	4M-621	21	4M-630	30



MS-4-12HRC

MS-4-16RC 16 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-614	14	4M-618	18	4M-622	22
4M-611	11	4M-615	15	4M-619	19	4M-623	23
4M-612	12	4M-616	16	4M-620	20	4M-624	24
4M-613	13	4M-617	17	4M-621	21	4M-627	27



MS-4-16RC

MS-4-23RC 23 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
4M-610	10	4M-616	16	4M-622	22	4M-629	29
4M-611	11	4M-617	17	4M-623	23	4M-630	30
4M-612	12	4M-618	18	4M-624	24	4M-632	32
4M-613	13	4M-619	19	4M-625	25	4M-634	34
4M-614	14	4M-620	20	4M-626	26	4M-636	36
4M-615	15	4M-621	21	4M-627	27		



MS-4-23RC

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.

⚠ WARNING

WILLIAMS

6 M

1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

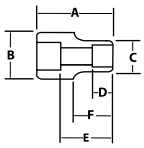
Black Industrial Finish

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37521 37510



Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37510	10	1 1/2	1	5/8	9/16	7/8	3/8	23/32
37511	11	1 1/2	1	11/16	9/16	7/8	13/32	23/32
37512	12	1 1/2	1	3/4	9/16	7/8	7/16	23/32
37513	13	1 1/2	1	13/16	17/32	7/8	15/32	23/32
37514	14	1 1/2	1	7/8	17/32	7/8	17/32	23/32
37515	15	1 1/2	1 3/16	15/16	17/32	29/32	9/16	3/4
37516	16	1 1/2	1 3/16	1	17/32	7/8	19/32	3/4
37517	17	1 1/2	1 3/16	1 1/32	17/32	7/8	21/32	3/4
37518	18	1 1/2	1 3/16	1 3/32	13/16	7/8	21/32	3/4
37519	19	1 1/2	1 3/16	1 1/8	3/4	29/32	11/16	3/4
37520	20	1 1/2	1 3/16	1 3/16	45/64	45/64	3/4	-
37521	21	1 1/2	1 3/16	1 3/16	25/32	15/16	3/4	-
37522	22	1 1/2	1 1/4	1 1/4	25/32	1 1/16	13/16	-
37523	23	1 3/4	1 19/64	1 19/64	27/32	27/32	55/64	-
37524	24	1 3/4	1 3/8	1 3/8	1	1 3/16	7/8	-
37525	25	1 3/4	1 15/32	1 15/32	31/32	31/32	15/16	-
37526	26	1 3/4	1 1/2	1 1/2	31/32	31/32	63/64	-
37527	27	1 3/4	1 17/32	1 17/32	1	1 7/32	1	-
37529	29	1 3/4	1 39/64	1 39/64	31/32	31/32	1 1/16	
37530	30	1 3/4	1 21/32	1 21/32	31/32	31/32	1 1/16	
37532	32	1 3/4	1 47/64	1 47/64	31/32	31/32	1 3/16	
37534	34	1 3/4	1 7/8	1 7/8	31/32	31/32	1 19/64	
37536	36	1 31/32	1 31/32	1 31/32	1 1/16	1 1/16	1 3/8	



37910

37910 10 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37514	14	37518	18
37511	11	37515	15	37519	19
37512	12	37516	16		
37513	13	37517	17		



37912

37912 14 Piece 1/2" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37514	14	37518	18	37524	24
37511	11	37515	15	37519	19	37527	27
37512	12	37516	16	37521	21		
37513	13	37517	17	37522	22		



37915

37915 23 piece 1/2" Drive Impact Shallow 6 Point, MM Socket Set on Clip Rails

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37510	10	37515	15	37521	21	37527	27
37511	11	37516	16	37522	22	37529	29
37512	12	37517	17	37523	23	37530	30
37513	13	37518	18	37524	24	37532	32
37514	14	37519	19	37525	25	37534	34
		37520	20	37526	26	37536	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS

12 M

1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT,MM

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
37610	10	1 1/2	7/8	5/8	3/8	/	3/8	5/8
37611	11	1 1/2	7/8	3/4	3/8	/	3/8	5/8
37612	12	1 1/2	7/8	3/4	3/8	/	3/8	5/8
37613	13	1 1/2	15/16	13/16	3/8	/	3/8	5/8
37614	14	1 1/2	15/16	7/8	3/8	/	1/2	5/8
37615	15	1 1/2	1	7/8	1/2	/	1/2	5/8
37616	16	1 1/2	1	1	1/2	/	1/2	/
37617	17	1 1/2	1	1	1/2	/	9/16	/
37618	18	1 1/2	1	1	1/2	/	5/8	/
37619	19	1 1/2	1 1/8	1 1/8	1/2	/	5/8	/
37620	20	1 1/2	1 1/8	1 1/8	1/2	/	3/4	/
37621	21	1 1/2	1 1/4	1 1/4	9/16	/	3/4	/
37622	22	1 1/2	1 1/4	1 1/4	9/16	/	13/16	/
37623	23	1 5/8	1 1/4	1 1/4	5/8	/	13/16	/
37624	24	1 5/8	1 1/2	1 3/8	5/8	/	7/8	/
37625	25	1 5/8	1 1/2	1 3/8	5/8	/	7/8	/
37626	26	1 5/8	1 1/2	1 1/2	5/8	/	15/16	/
37627	27	1 13/16	1 1/2	1 1/2	3/4	/	15/16	9/16
37628	28	1 13/16	1 1/2	1 1/2	3/4	/	1	9/16
37629	29	1 13/16	1 1/2	1 5/8	3/4	/	1	9/16
37630	30	1 13/16	1 1/2	1 5/8	3/4	/	1	9/16
37632	32	1 13/16	1 1/2	1 3/4	13/16	/	1 1/8	9/16
37633	33	1 13/16	1 1/2	1 13/16	7/8	/	1 1/8	9/16
37634	34	1 13/16	1 1/2	1 13/16	7/8	/	1 1/4	9/16
37635	35	2	1 1/2	2	7/8	/	1 1/4	9/16
37636	36	2	1 1/2	2	7/8	/	1 1/4	9/16

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37624 37610

37925 10 piece 1/2" Drive Impact Shallow 12 Point, MM Socket Set on Clip Rails
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37610	10	37613	13	37616	16
37611	11	37614	14	37617	17
37612	12	37615	15	37618	18
				37619	19

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37925

⚠ WARNING

WILLIAMS

6 M

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



14M-621 14M-610

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
14M-610	10	3 1/4	29/32	19/32	9/32	2 9/16	11/32	2 15/32
14M-611	11	3 1/4	29/32	23/32	21/64	2 9/16	13/32	2 15/32
14M-612	12	3 1/4	29/32	49/64	23/64	2 9/16	7/16	2 15/32
14M-613	13	3 1/4	29/32	53/64	25/64	2 9/16	15/32	2 15/32
14M-614	14	3 1/4	29/32	7/8	13/32	2 9/16	15/32	2 15/32
14M-615	15	3 1/4	15/16	15/16	13/32	2 7/64	33/64	-
14M-616	16	3 1/4	31/32	31/32	29/64	1 31/32	17/32	-
14M-617	17	3 1/4	1	1	27/64	1 31/32	39/64	-
14M-618	18	3 1/4	1 1/16	1 1/16	1/2	1 31/32	21/32	-
14M-619	19	3 1/4	1 1/4	1 1/4	35/64	1 61/64	11/16	-
14M-620	20	3 1/4	1 3/16	1 3/16	35/64	1 61/64	23/32	-
14M-621	21	3 1/4	1 1/4	1 1/4	35/64	1 61/64	3/4	-
14M-622	22	3 1/2	1 5/16	1 5/16	35/64	2 7/64	51/64	-
14M-623	23	3 1/2	1 11/32	1 11/32	5/8	2 7/64	53/64	-
14M-624	24	3 1/2	1 3/8	1 3/8	5/8	2 7/64	7/8	-
14M-625	25	3 1/2	1 7/16	1 7/16	5/8	2 7/64	29/32	-
14M-626	26	3 1/2	1 31/64	1 31/64	5/8	2 7/64	15/16	-
14M-627	27	3 1/2	1 9/16	1 9/16	25/32	2 7/64	31/32	-
14M-629	29	3 1/2	1 5/8	1 5/8	13/16	2 7/64	1 1/16	-
14M-630	30	3 1/2	1 11/16	1 11/16	53/64	2 21/32	1 3/32	-
14M-632	32	3 1/2	1 13/16	1 13/16	7/8	2 21/32	1 1/4	-
14M-634	34	3 1/2	1 3/4	1 15/16	57/64	2 55/64	1 21/64	-
14M-635	35	3 1/2	1 3/4	2	57/64	2 55/64	1 23/64	-
14M-636	36	3 1/2	1 3/4	2	57/64	2 13/16	1 1/8	-

MS-14-10HRC 10 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-614	14	14M-618	18
14M-611	11	14M-615	15	14M-619	19
14M-612	12	14M-616	16		
14M-613	13	14M-617	17		



MS-14-10HRC

MS-14-16RC 16 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-614	14	14M-618	18	14M-622	22
14M-611	11	14M-615	15	14M-619	19	14M-623	23
14M-612	12	14M-616	16	14M-620	20	14M-624	24
14M-613	13	14M-617	17	14M-621	21	14M-627	27



MS-14-16RC

MS-14-24RC 24 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
14M-610	10	14M-616	16	14M-622	22	14M-629	29
14M-611	11	14M-617	17	14M-623	23	14M-630	30
14M-612	12	14M-618	18	14M-624	24	14M-632	32
14M-613	13	14M-619	19	14M-625	25	14M-634	34
14M-614	14	14M-620	20	14M-626	26	14M-635	35
14M-615	15	14M-621	21	14M-627	27	14M-636	36

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

USA Made in U.S.A.



MS-14-24RC

WILLIAMS

1/2" DRIVE DEEP IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
37710	10	3 1/4	29/32	19/32	9/32	2 9/16	11/32	2 15/32
37711	11	3 1/4	29/32	23/32	21/64	2 9/16	13/32	2 15/32
37712	12	3 1/4	29/32	49/64	23/64	2 9/16	7/16	2 15/32
37713	13	3 1/4	29/32	53/64	25/64	2 9/16	15/32	2 15/32
37714	14	3 1/4	29/32	7/8	13/32	2 9/16	15/32	2 15/32
37715	15	3 1/4	15/16	15/16	13/32	2 7/64	33/64	-
37716	16	3 1/4	31/32	31/32	29/64	1 31/32	17/32	-
37717	17	3 1/4	1	1	27/64	1 31/32	39/64	-
37718	18	3 1/4	1 1/16	1 1/16	1/2	1 31/32	21/32	-
37719	19	3 1/4	1 1/4	1 1/4	35/64	1 61/64	11/16	-
37720	20	3 1/4	1 3/16	1 3/16	1 3/8	2 23/64	3/4	
37721	21	3 1/4	1 1/4	1 1/4	35/64	1 61/64	3/4	-
37722	22	3 1/2	1 5/16	1 5/16	35/64	2 7/64	51/64	-
37723	23	3 1/2	1 19/64	1 19/64	1 3/8	2 6/19	55/64	
37724	24	3 1/2	1 3/8	1 3/8	5/8	2 7/64	7/8	-
37725	25	3 1/2	1 15/32	1 15/32	1 3/8	2 6/19	15/16	-
37726	26	3 1/2	1 1/2	1 1/2	1 3/8	2 6/19	63/64	-
37727	27	3 1/2	1 9/16	1 9/16	25/32	2 7/64	31/32	-
37729	29	3 1/2	1 39/64	1 39/64	1 3/8	2 19/32	1 1/16	-
37730	30	3 1/2	1 21/32	1 21/32	1 3/8	2 19/32	1 1/16	-
37732	32	3 1/2	1 47/64	1 47/64	1 3/8	2 19/32	1 3/16	-
37734	34	3 1/2	1 7/8	1 7/8	1 3/8	2 19/32	1 19/64	-
37736	36	3 1/2	1 31/32	1 31/32	1 3/8	2 19/32	1 3/8	-



37721 37710

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

37913 10 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37714	14	37718	18
37711	11	37715	15	37719	19
37712	12	37716	16		
37713	13	37717	17		



37913

37914 14 Piece 1/2" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37714	14	37718	18	37724	24
37711	11	37715	15	37719	19	37727	27
37712	12	37716	16	37721	21		
37713	13	37717	17	37722	22		



37914

37917 23 piece 1/2" Drive Impact Deep 6 Point, MM Socket Set on Clip Rails
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
37710	10	37716	16	37723	23	37730	30
37711	11	37717	17	37724	24	37732	32
37712	12	37718	18	37725	25	37734	34
37713	13	37719	19	37726	26	37736	36
37714	14	37720	20	37727	27		
37715	15	37721	21	37729	29		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37917

WARNING



35925 35910

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

WILLIAMS

12 M

1/2" DRIVE DEEP IMPACT SOCKETS, 12 POINT, MM

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (MM)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diamter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
35910	10	3 1/4	7/8	5/8	5/8	/	3/8	2
35911	11	3 1/4	7/8	5/8	5/8	/	3/8	2
35912	12	3 1/4	7/8	3/4	5/8	/	3/8	2
35913	13	3 1/4	15/16	3/4	5/8	/	1/2	2
35914	14	3 1/4	15/16	3/4	3/4	/	1/2	2
35915	15	3 1/4	1	15/16	3/4	/	1/2	2
35916	16	3 1/4	1	15/16	3/4	/	1/2	/
35917	17	3 1/4	1	1	3/4	/	1/2	/
35918	18	3 1/4	1	1	3/4	/	5/8	/
35919	19	3 1/4	1 3/16	1 1/8	3/4	/	5/8	/
35920	20	3 1/4	1 3/16	1 1/8	1	/	3/4	/
35921	21	3 1/4	1 1/4	1 1/4	1	/	3/4	/
35922	22	3 1/4	1 1/4	1 1/4	1	/	3/4	/
35923	23	3 1/4	1 1/4	1 1/4	1	/	7/8	/
35924	24	3 1/4	1 1/2	1 1/2	1	/	7/8	/
35925	25	3 1/4	1 1/2	1 1/2	1	/	7/8	/
35926	26	3 1/4	1 1/2	1 1/2	1	/	15/16	/
35927	27	3 1/4	1 1/2	1 1/2	1	/	15/16	5/8
35928	28	3 1/4	1 1/2	1 1/2	1	/	1	5/8
35929	29	3 1/4	1 1/2	1 5/8	1	/	1	5/8
35930	30	3 1/4	1 1/2	1 5/8	1	/	1	5/8
35932	32	3 1/4	1 1/2	1 3/4	1	/	1 1/8	5/8
35933	33	3 1/2	1 1/2	1 7/8	1 1/2	/	1 1/8	5/8
35934	34	3 1/2	1 1/2	1 7/8	1 1/2	/	1 1/4	5/8
35935	35	3 1/2	1 1/2	2	1 1/2	/	1 1/4	5/8
35936	36	3 1/2	1 1/2	2	1 1/2	/	1 1/4	5/8

37926 10 piece 1/2" Drive Impact Shallow 12 Point Socket Set on Clip Rails Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35910	10	35913	13	35916	16
35911	11	35914	14	35917	17
35912	12	35915	15	35918	18
				35919	19

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



37926

WILLIAMS®

1/2" DRIVE ONE PIECE IMPACT HEX BIT DRIVERS, SAE

Black Industrial Finish

Product Code	Size (Inches)	OAL (Inches)	Product Code	Size (Inches)	OAL (Inches)
35730	1/4	1 1/2	35738	1/2	1 1/2
35732	5/16	1 1/2	35740	9/16	1 1/2
35734	3/8	1 1/2	35742	5/8	1 1/2
35736	7/16	1 1/2			

Fed. Spec: ANSI B107.2

37920 7 Piece 1/2" Drive One Piece Impact Hex Bit Drivers, SAE

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35730	1/4	35736	7/16	35742	5/8
35732	5/16	35738	1/2		
35734	3/8	35740	9/16		



35732

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



37920

WILLIAMS®

1/2" DRIVE ONE PIECE IMPACT HEX BIT DRIVERS, MM

Black Industrial Finish

Product Code	Size (Inches)	OAL (Inches)	Product Code	Size (Inches)	OAL (Inches)
35706	6	1 1/2	35712	12	1 1/2
35708	8	1 1/2	35714	14	1 1/2
35710	10	1 1/2	35717	17	

Fed. Spec: ANSI B107.2

37922 6 Piece 1/2" Drive One Piece Impact Hex Bit Drivers, MM

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
35706	6	35710	10	35714	14
35708	8	35712	12	35717	17



35708



37922

WILLIAMS®

43 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-43TB	43 Piece Tool Set with TB-12 Metal Tool Box
WSH-43	43 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-20A	19" Sliding T-Handle
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Deep 12-Point Sockets

Product Code	Size (Inches)
HD-628	7/8
HD-630	15/16
HD-632	1
HD-634	1 1/16
HD-636	1 1/8
HD-640	1 1/4
HD-642	1 5/16
HD-644	1 3/8
HD-646	1 7/16
HD-648	1 1/2
HD-652	1 5/8

Shallow 12-Point Sockets

Product Code	Size (Inches)	Product Code	Size (Inches)
H-1224	3/4	H-1250	1 5/16
H-1226	13/16	H-1252	1 5/8
H-1228	7/8	H-1254	1 11/16
H-1230	15/16	H-1256	1 3/4
H-1232	1	H-1258	1 13/16
H-1234	1 1/16	H-1260	1 7/8
H-1236	1 1/8	H-1264	2
H-1238	1 3/16	H-1266	2 1/16
H-1240	1 1/4	H-1268	2 1/8
H-1242	1 5/16	H-1270	2 3/16
H-1244	1 3/8	H-1272	2 1/4
H-1246	1 7/16	H-1276	2 3/8
H-1248	1 1/2		





WSH-43TB

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

Made in U.S.A.

⚠ WARNING





33910

WILLIAMS®

46 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point MM, with Metal Box

Product Code	Description
33910	46 Piece Tool Set with TB-12 Metal Tool Box
33911	46 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33002	4" Extension
33003	8" Extension
33004	16" Extension
33006	18" Sliding T-handle
33007	Universal Joint

3/4" Drive Deep 6 Point Sockets

Product Code	Size (MM)
33719	19
33722	22
33723	23
33724	24
33727	27
33730	30
33732	32
33735	35
33736	36
33738	38
33741	41
33746	46
33750	50
33755	55
33760	60

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46
33650	50
33654	54
33655	55
33658	58
33660	60

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

30 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point, MM with Metal Box

Product Code	Description
33912	30 Piece Tool Set with TB-6124A Metal Tool Box
33913	30 Piece Tool Set Only

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33002	4" Extension
33003	8" Extension
33004	16" Extension
33006	18" Sliding T-handle
33007	Universal Joint

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46
33650	50
33654	54
33655	55
33658	58
33660	60

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



33912

⚠ WARNING



WSH-29TB

WILLIAMS

12 F

29 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-29TB	29 Piece Tool Set with TB-6124A Metal Tool Box
WSH-29	29 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-20A	19" Sliding T-Handle
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1
H-1234	1 1/16
H-1236	1 1/8
H-1238	1 3/16
H-1240	1 1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1250	1 9/16
H-1252	1 5/8
H-1254	1 11/16
H-1256	1 3/4
H-1258	1 13/16
H-1260	1 7/8
H-1264	2
H-1268	2 1/8
H-1270	2 3/16
H-1272	2 1/4
H-1276	2 3/8

USA Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSH-22TB

WILLIAMS

12 F

22 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-22TB	22 Piece Tool Set with TB-49 Metal Tool Box
WSH-22	22 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-104	3" Extension
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1
H-1234	1 1/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1236	1 1/8
H-1240	1 1/4
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1252	1 5/8
H-1254	1 11/16
H-1256	1 3/4
H-1258	1 13/16
H-1260	1 7/8
H-1264	2

USA Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

12 M

23 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point, MM with Metal Box

Product Code	Description
33914	23 Piece Tool Set with TB-49 Metal Tool Box
33915	23 Piece Tool Set Only

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	Ratchet
33005	Flex handle
33003	8" Extension
33004	16" Extension

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (MM)
33619	19
33620	20
33621	21
33622	22
33623	23
33624	24
33625	25
33626	26
33627	27
33628	28
33629	29
33630	30
33632	32
33635	35
33636	36
33638	38
33641	41
33642	42
33646	46

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



33914

Image shown is not actual set, for reference only.

⚠ WARNING



WSH-13TB

WILLIAMS®

13 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSH-13TB	13 Piece Tool Set with TB-49 Metal Tool Box
WSH-13	13 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-51B	20" Ratchet
H-110	8" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
H-1228	7/8
H-1230	15/16
H-1232	1
H-1234	1 1/16
H-1236	1 1/8
H-1240	1 1/4
H-1242	1 5/16
H-1244	1 3/8
H-1246	1 7/16
H-1248	1 1/2
H-1252	1 5/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



MSH-20TB

WILLIAMS®

20 PIECE 3/4" DRIVE SOCKET AND DRIVE TOOL SET

12 Point Metric, with Metal Box

Product Code	Description
MSH-20TB	20 Piece Tool Set with TB-49 Metal Tool Box
MSH-20	20 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
H-41AA	22" Flex Handle
H-51B	20" Ratchet
H-110	8" Extension
H-115	16" Extension
H-140A	Universal Joint

Shallow 12-Point Sockets

Product Code	Size (MM)
HM-1219	19
HM-1222	22
HM-1224	24
HM-1227	27
HM-1230	30
HM-1232	32
HM-1235	35
HM-1236	36
HM-1238	38
HM-1241	41
HM-1246	46
HM-1250	50
HM-1254	54
HM-1255	55
HM-1260	60

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.

WILLIAMS®

20 PIECE 3/4" DRIVE SOCKET-LOK® TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
33901	20 Piece Tool Set with 50081 Metal Tool Box
50081	Metal Box

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	20" Socket-Lok® Ratchet
33006	18" Sliding T-Handle
33002	4" Extension
33003	8" Extension

3/4" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16
33236	1 1/8

3/4" Drive Shallow 12-Point Sockets

Product Code	Size (Inches)
33238	1 3/16
33240	1 1/4
33242	1 5/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2

Features

- Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



Socket-Lok® button positively locks the socket and drive tool together, providing positive retention and quick disassembly.



⚠ WARNING



33903

WILLIAMS 12 F

20 PIECE 3/4" SOCKET SET

12 Point Rugged-Case-System Tool Set, SAE

Product Code	Description
33903	20 Piece 3/4" Socket Set

Contents Include:

3/4" Drive Tools:

Product Code	Description
33003	8" Extension
33004	16" Extension
33012	32 Tooth Ratchet Head
33013	Universal Extendable Handle
33014	Sliding T-Handle

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33236	1 1/8
33240	1 1/4
33242	1 5/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2

Features

- Extended Handle extends from 23-1/2" to 36"
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges
- Two-component handles are easy to grip and comfortable to carry



33905

WILLIAMS 12 F

25 PIECE 3/4" SOCKET SET

12 Point with Metal Box, SAE

Product Code	Description
33905	25 Piece 3/4" Socket Set

Contents Include:

3/4" Drive Tools:

Product Code	Description
33001	2 Piece Ratchet
33002	4" Extension
33003	8" Extension
33004	16" Extension

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33228	7/8
33230	15/16
33232	1
33234	1 1/16
33236	1 1/8
33238	1 3/16

3/4" Drive Shallow 12 Point Sockets

Product Code	Size (Inches)
33240	1 1/4
33242	15/16
33244	1 3/8
33246	1 7/16
33248	1 1/2
33250	1 9/16
33252	1 5/8
33256	1 3/4
33258	1 13/16
33260	1 7/8
33264	2
33268	2 1/8
33272	2 1/4

Features

- All tools are professional quality, made of high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Packed in rugged high-density polyethylene (HDPE) cases that are strong and durable yet light in weight
- Case is shock proof at both high and low temperatures, equipped with heavy-duty metal latches and hinges
- Two-component handles are easy to grip and comfortable to carry

WILLIAMS®

3/4" DRIVE INTEGRATED HANDLE RATCHETS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth
H-51B	Chrome Ratchet	20 1/8	24
HB-51B	Black Finish Ratchet	20 1/8	24
H-52EHRK	Repair Kit for H-51B and HB-51B		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 24 tooth gear with 15 degree of engagement allows engagement in tight working areas.
- Chrome finish with mirror-like exterior can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.
- Ball and Spring socket retention.



H-51B



HB-51B

WILLIAMS®

3/4" DRIVE REMOVABLE-HANDLE RATCHETS

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
Complete Ratchet			
H-51AB1	Ratchet with 19 1/4" Handle	24 11/16	32
Components			
H-51AB	Ratchet Head Only	6	32
H-A1	Handle Only	19 1/4	
H-52EHRKA	Repair Kit for H-51AB1 and H-51AB		

Note: Head Bore and Handle End Diameter: 13/16"

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- 32 teeth action provides an 11° ratcheting angle.
- Shift lever reverses action instantly.
- Ball and spring provide firm socket retention.
- Removable handle makes the tool more versatile, and storage easier.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.
- Our most rugged, high torque capacity ratchet.



H-51AB1



H-51AB



H-A1

WILLIAMS®

3/4" DRIVE HANDLES

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
H-41AA	Flex Handle Breaker Bar, Knurled Grip	22 1/8	Chrome
H-20A	Sliding T-Handle	19 1/4	Chrome
HB-20A	Sliding T-Handle	19 1/4	Black Industrial

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.



H-41AA



H-20A



HB-20A

⚠ WARNING



WILLIAMS

3/4" DRIVE EXTENSIONS

Chrome and Black Industrial Finish

Product Code	Length (Inches)
Chrome Finish	
H-104	3
H-110	8
H-115	16
Black Industrial Finish	
H-104B	3
H-110B	8
H-115B	16

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.



WILLIAMS

3/4" DRIVE ADAPTERS

Chrome and Black Industrial Finish

Product Code	Length (Inches)	Male End (Inches)	Female End (Inches)	Female End Detent
Chrome Finish				
HNX-130	3	1	3/4	Detent on Each Wall
HNX-131	3 1/16	3/4	1	Drilled Hole
Black Industrial Finish				
HNX-130B	3	1	3/4	Detent on Each Wall
HNX-131B	3 1/16	3/4	1	Drilled Hole

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.



WILLIAMS

3/4" DRIVE UNIVERSAL JOINTS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)
Chrome Finish		
H-140A	Universal Joint	4 1/16
Black Industrial Finish		
HB-140A	Universal Joint	4 1/16

Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.

WILLIAMS®

3/4" DRIVE EXTENDABLE RATCHET AND T-HEAD

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
33012	32 Tooth Ratchet Head	6	33001RK
33013	Universal Extendable Handle	23 ½" to 36"	
33014	Sliding T-Head		

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Two-piece ratchet design for maximum versatility.
  - Knurled handle to provide a firm, non-slip grip and extra turning power.
  - Narrow pear-shaped head for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- Extended Handle extends from 23-1/2" to 36"


33013


33012 33014

WILLIAMS®

3/4" DRIVE RATCHETS AND HANDLES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Repair Kit
33001	Socket-Lok Ratchet - 32 Teeth	20	33001RK
33015	Ratchet head only for 33016	6	
33016	Handle only for 33015	16	
30005	Flex Handle	19	
33006	Sliding T-Handle	19	

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Two-piece ratchet design for maximum versatility.
  - Knurled handle to provide a firm, non-slip grip and extra turning power.
  - Narrow pear-shaped head for access into confined work areas.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.


33001


33005


33006

Socket-Lok® button positively locks the socket and drive tool together, providing positive retention and quick disassembly.



WILLIAMS®

3/4" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)
33002	Extension	4
33003	Extension	8
33004	Extension	16
33007	Universal Joint	4 5/16
33008	¾" F x ½" M Adapter	2 ⅛
33009	¾" F x 1" M Adapter	2 7/16
33011	1" F x ¾" M Adapter	2 ⅝

Fed. Spec: ANSI B107.10M

Features

- Williams 3/4" Drive Ratchet and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - High-polished chrome finish for easy cleaning.
- Chamfered ends provide easy engagement of the drive tool and fastener.


33002


33003


33004


33007


33008

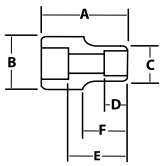

33009


33011



⚠ WARNING






WSH-16TB


WSH-26RC

WILLIAMS

3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
H-1224	3/4	2	1 7/16	1 1/8	17/32	1 1/4	11/16	13/16
H-1226	13/16	2	1 7/16	1 7/32	9/16	1 1/4	11/16	13/16
H-1228	7/8	2	1 7/16	1 5/16	19/32	1 1/4	11/16	13/16
H-1230	15/16	2	1 7/16	1 3/8	21/32	1 1/4	11/16	13/16
H-1231	31/32	2	1 7/16	1 13/32	11/16	1 1/4	11/16	13/16
H-1232	1	2 1/16	1 7/16	1 15/32	11/16	1 9/16	11/16	25/32
H-1234	1 1/16	2 1/8	1 1/2	1 9/16	3/4	1 5/32	1 1/32	7/8
H-1236	1 1/8	2 3/16	1 1/2	1 5/8	13/16	1 7/32	1 1/8	29/32
H-1238	1 3/16	2 1/4	1 1/2	1 11/16	27/32	1 9/32	1 5/32	31/32
H-1240	1 1/4	2 1/4	1 1/2	1 3/4	27/32	1 11/32	1 9/32	15/16
H-1242	1 5/16	2 5/16	1 5/8	1 7/8	27/32	1 13/32	1 11/32	1
H-1244	1 3/8	2 5/16	1 5/8	1 15/16	7/8	1 3/8	1 7/16	1
H-1246	1 7/16	2 3/8	1 5/8	2	15/16	1 7/16	1 1/4	1
H-1248	1 1/2	2 1/2	1 5/8	2 1/8	1	1 9/16	1 1/4	1 1/8
H-1250	1 9/16	2 5/8	1 3/4	2 3/16	1 5/32	1 11/16	1 3/8	1 1/4
H-1252	1 5/8	2 5/8	1 3/4	2 1/4	1 5/32	1 11/16	1 3/8	1 1/4
H-1254	1 11/16	2 3/4	1 25/32	2 3/8	1 3/16	1 13/16	1 3/8	1 3/8
H-1256	1 3/4	2 3/4	1 3/4	2 7/16	1 3/16	1 13/16	1 3/8	1 3/8
H-1258	1 13/16	2 7/8	1 3/4	2 1/2	1 1/4	1 31/32	1 5/16	1 7/16
H-1260	1 7/8	3	1 3/4	2 9/16	1 5/16	2 1/16	1 5/16	1 9/16
H-1264	2	3 1/8	1 3/4	2 3/4	1 5/16	2 3/16	1 5/16	1 11/16
H-1266	2 1/16	3 1/8	1 3/4	2 3/4	1 3/8	2 3/16	1 5/16	1 11/16
H-1268	2 1/8	3 1/4	1 3/4	2 15/16	1 7/16	2 5/16	1 5/16	1 13/16
H-1270	2 3/16	3 1/4	1 3/4	2 15/16	1 1/2	2 5/16	1 5/16	1 13/16
H-1272	2 1/4	3 3/8	1 3/4	3 1/8	1 1/2	2 7/16	1 1/4	1 7/8
H-1274	2 5/16	3 1/2	1 3/4	3 1/4	1 5/8	2 9/16	1 1/4	2
H-1276	2 3/8	3 5/8	1 3/4	3 1/4	1 3/4	2 11/16	1 1/4	2 1/8

Fed. Spec: ANSI B107.1

WSH-16TB 16 Piece 3/4" Drive Shallow 12-Point Socket Set with TB-49 Tool Box
WSH-16RC 16 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
H-1228	7/8	H-1236	1 1/8	H-1246	1 7/16	H-1256	1 3/4
H-1230	15/16	H-1240	1 1/4	H-1248	1 1/2	H-1258	1 13/16
H-1232	1	H-1242	1 9/16	H-1252	1 5/8	H-1260	1 7/8
H-1234	1 1/16	H-1244	1 3/8	H-1254	1 11/16	H-1264	2

WSH-26RC 26 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
H-1224	3/4	H-1238	1 3/16	H-1252	1 5/8	H-1268	2 1/8
H-1226	13/16	H-1240	1 1/4	H-1254	1 11/16	H-1270	2 3/16
H-1228	7/8	H-1242	1 5/16	H-1256	1 3/4	H-1272	2 1/4
H-1230	15/16	H-1244	1 3/8	H-1258	1 13/16	H-1274	2 5/16
H-1232	1	H-1246	1 7/16	H-1260	1 7/8	H-1276	2 3/8
H-1234	1 1/16	H-1248	1 1/2	H-1264	2		
H-1236	1 1/8	H-1250	1 9/16	H-1266	2 1/16		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.

WILLIAMS

3/4" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)
33228	7/8	1 15/16	1 7/16	1 1/4	35/64
33230	15/16	2	1 7/16	1 3/8	5/8
33232	1	2 1/16	1 7/16	1 7/16	5/8
33234	1 1/16	2 1/16	1 7/16	1 1/2	7/8
33236	1 1/8	2 1/16	1 1/2	1 9/16	7/8
33238	1 3/16	2 1/8	1 1/2	1 11/16	15/16
33240	1 1/4	2 3/16	1 1/2	1 3/4	15/16
33242	1 5/16	2 3/16	1 1/2	1 13/16	1
33244	1 3/8	2 1/4	1 5/8	1 7/8	1
33246	1 7/16	2 1/4	1 5/8	1 31/32	1 7/64
33248	1 1/2	2 3/8	1 3/4	2 1/16	1 7/64
33250	1 9/16	2 7/16	1 3/4	2 1/8	1 3/16
33252	1 5/8	2 1/2	1 3/4	2 3/16	1 3/16
33256	1 3/4	2 9/16	1 13/16	2 5/16	1 1/4
33258	1 13/16	2 11/16	1 13/16	2 3/8	1 1/4
33260	1 7/8	2 3/4	1 7/8	2 1/2	1 11/32
33264	2	2 13/16	1 7/8	2 11/16	1 13/32

Fed. Spec: ANSI B107.1



33244 33228

33920 11 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33228	7/8	33236	1 1/8	33244	1 3/8
33230	15/16	33238	1 3/16	33246	1 7/16
33232	1	33240	1 1/4	33248	1 1/2
33234	1 1/16	33242	1 5/16		


33920

33922 16 Piece 3/4" Drive Shallow 12-Point Socket Set on Clip Rails

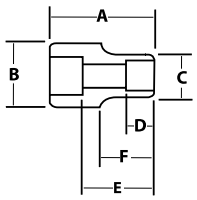
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33228	7/8	33242	1 5/16	33260	1 7/8
33230	15/16	33244	1 3/8	33264	2
33232	1	33246	1 7/16		
33234	1 1/16	33248	1 1/2		
33236	1 1/8	33252	1 5/8		
33238	1 3/16	33256	1 3/4		
33240	1 1/4	33258	1 13/16		


33922

Features

- Williams 3/4" Drive Hand Sockets and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Sockets feature a deep chamfer on the drive end to speed insertion onto the drive tool.
  - Chamfered ends provide easy engagement of the drive tool and fastener.
  - SUPERTORQUE® recessed corners in socket end provide extra turning power.
  - High-polished chrome finish tools clean easily and resist rust.
- Designed for quick engagement on both 6 and 12 point fasteners.



⚠ WARNING



HM1232

WILLIAMS

12 M

3/4" DRIVE SHALLOW SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish

		A	B	C	D	E		F
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
HM-1219	19	2	7/16	1 1/8	9/16	1 1/32	11/16	13/16
HM-1222	22	2	7/16	1 1/4	5/8	1 1/32	11/16	13/16
HM-1223	23	2	1 7/16	1 11/32	5/8	1 1/32	3/4	9/16
HM-1224	24	2	7/16	1 3/8	21/32	1 1/32	11/16	13/16
HM-1225	25	2	1 7/16	1 7/16	2 3/32	1 1/32	3/4	2
HM-1226	26	2	1 1/2	1 1/2	2 3/32	1 1/32	1 1/32	2
HM-1227	27	2	1 1/2	1 9/16	3/4	1 1/32	1 1/16	11/16
HM-1228	28	2	1 1/2	1 21/32	25/32	1 1/32	1 3/32	1 7/32
HM-1229	29	2	1 1/2	1 21/32	25/32	1 3/32	1 1/32	1 7/32
HM-1230	30	2 7/32	1 1/2	1 5/8	13/16	1 7/32	1 3/16	27/32
HM-1232	32	2 1/4	1 1/2	1 3/4	7/8	1 5/16	1 5/16	7/8
HM-1235	35	2 5/16	1 5/8	1 15/16	29/32	1 13/32	1 7/16	7/8
HM-1236	36	2 5/16	1 5/8	1 15/16	29/32	1 13/32	1 1/4	7/8
HM-1238	38	2 1/2	1 5/8	2 1/16	1	1 19/32	1 9/16	1 1/16
HM-1241	41	2 5/8	1 3/4	2 3/16	1 1/16	1 23/32	1 13/32	1 3/16
HM-1242	42	2 1/2	1 3/4	2 9/32	1 1/16	1 1/2	1 5/8	1 21/32
HM-1246	46	3 1/8	1 3/4	2 7/16	1 3/16	1 31/32	1 13/32	1 11/16
HM-1250	50	3	1 3/4	2 5/8	1 5/16	2 3/32	1 13/32	1 13/32
HM-1254	54	3 1/4	1 3/4	2 7/8	1 15/32	2 1/8	1 13/32	1 21/32
HM-1255	55	3 1/4	1 3/4	2 29/32	1 15/32	2 11/32	1 13/32	1 21/32
HM-1260	60	3 5/8	1 3/4	3 1/4	1 3/4	2 23/32	1 3/4	2 1/8

Fed. Spec: ANSI B107.5

MSH-15RC 15 Piece 3/4" Drive Shallow 12 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
HM-1219	19	HM-1230	30	HM-1238	38	HM-1254	54
HM-1222	22	HM-1232	32	HM-1241	41	HM-1255	55
HM-1224	24	HM-1235	35	HM-1246	46	HM-1260	60
HM-1227	27	HM-1236	36	HM-1250	50		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

USA Made in U.S.A.



MSH-15RC

WILLIAMS®

12 M

3/4" DRIVE SHALLOW SOCKET, 12 POINT, MM

High Polished Chrome Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diamter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)
33619	19	1 31/32	1 19/64	1 5/32	35/64	35/64	45/64
33620	20	1 31/32	1 19/64	1 3/16	35/64	35/64	45/64
33621	21	1 31/32	1 19/64	1 15/64	35/64	35/64	45/64
33622	22	1 31/32	1 27/64	1 17/64	35/64	35/64	45/64
33623	23	1 31/32	1 27/64	1 5/16	35/64	35/64	45/64
33624	24	2 1/64	1 27/64	1 11/32	21/32	21/32	29/32
33625	25	2 1/32	1 3/8	1 27/64	21/32	21/32	29/32
33626	26	2 1/32	1 27/64	1 29/64	21/32	21/32	29/32
33627	27	2 1/32	1 27/64	1 1/2	55/64	55/64	15/16
33628	28	2 1/32	1 27/64	1 9/16	55/64	55/64	15/16
33629	29	2 1/32	1 27/64	1 19/32	55/64	55/64	15/16
33630	30	2 1/8	1 27/64	1 21/32	15/16	15/16	1 1/16
33632	32	2 13/64	1 27/64	1 47/64	1 1/64	1 1/64	1 9/64
33635	35	2 13/64	1 1/2	1 57/64	1 1/64	1 1/64	1 17/64
33636	36	2 9/32	1 1/2	1 31/32	1 7/64	1 7/64	1 19/64
33638	38	2 23/64	1 1/2	2 1/32	1 7/64	1 7/64	1 3/8
33641	41	2 33/64	1 37/64	2 13/64	1 3/16	1 3/16	1 1/2
33642	42	2 33/64	1 37/64	2 1/4	1 3/16	1 3/16	1 1/2
33646	46	2 19/32	1 21/32	2 7/16	1 17/64	1 17/64	1 21/32
33650	50	2 3/4	1 21/32	2 43/64	1 11/32	1 11/32	1 21/32
33654	54	2 29/32	1 49/64	2 7/16	1 27/64	1 27/64	1 21/32
33655	55	2 63/64	1 49/64	2 29/32	1 1/2	1 1/2	1 11/16
33658	58	3 5/64	1 49/64	3 5/64	1 37/64	1 37/64	1 11/16
33660	60	3 5/64	1 49/64	3 5/32	1 21/32	1 21/32	1 49/64



33619

33931 17 piece 3/4" Drive Shallow 12 Point Socket Set in Clip and Rails
Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
33622	22	33627	27	33635	35	33646	46
33623	23	33628	28	33636	36	33650	50
33624	24	33629	29	33638	38		
33625	25	33630	30	33641	41		
33626	26	33632	32	33642	42		



33931

33930 24 piece 3/4" Drive Shallow 12 Point Socket Set Clip and Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
33619	19	33625	25	33632	32	33646	46
33620	20	33626	26	33635	35	33650	50
33621	21	33627	27	33636	36	33654	54
33622	22	33628	28	33638	38	33655	55
33623	23	33629	29	33641	41	33658	58
33624	24	33630	30	33642	42	33660	60

Features

- Williams 3/4" Drive Hand Sockets and Drive Tools Feature:
  - Unique Socket-Lok® Safety Retention System features a spring-loaded locking button for maximum socket retention and quick disassembly when used with our Williams® locking-button square drive tools and sockets. May also be used with all standard 3/4" drive tools.
  - Sockets feature a deep chamfer on the drive end to speed insertion onto the drive tool.
  - Chamfered ends provide easy engagement of the drive tool and fastener.
  - SUPERTORQUE® recessed corners in socket end provide extra turning power.
  - High-polished chrome finish tools clean easily and resist rust.
- Designed for quick engagement on both 6 and 12 point fasteners.

⚠ WARNING



HD-628 HD-640



WSHD-11RC

WILLIAMS®

3/4" DRIVE DEEP SOCKETS, 6 POINT, SAE

High-Polished Chrome Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
HD-628	7/8	3 1/2	1 7/16	1 5/16	5/8	2 1/2	11/16	2 5/16
HD-630	15/16	3 1/2	1 7/16	1 3/8	21/32	2 1/2	11/16	2 5/16
HD-632	1	3 1/2	1 1/2	1 7/16	23/32	2 1/2	11/16	2 5/16
HD-634	1 1/16	3 1/2	1 1/2	1 9/16	3/4	2 1/2	3/4	2 7/32
HD-636	1 1/8	3 1/2	1 1/2	1 5/8	13/16	2 1/2	25/32	2 7/32
HD-640	1 1/4	3 1/2	1 1/2	1 3/4	1	2 1/2	7/8	2 3/16
HD-642	1 5/16	3 1/2	1 5/8	1 7/8	1	2 1/2	15/16	2 3/16
HD-644	1 3/8	3 1/2	1 5/8	1 15/16	1	2 9/16	1 3/8	2 3/16
HD-646	1 7/16	3 1/2	1 5/8	2	1	2 9/16	1 7/16	2 1/8
HD-648	1 1/2	3 1/2	1 5/8	2 1/16	1 1/4	2 9/16	1 1/2	2 1/8
HD-652	1 5/8	3 1/2	1 3/4	2 1/4	1 3/8	2 9/16	1 5/8	2 1/8

Fed. Spec: ANSI B107.1

WSHD-11HRC 11 Piece 3/4" Drive Deep 6 Point Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
HD-628	7/8	HD-636	1 1/8	HD-646	1 7/16
HD-630	15/16	HD-640	1 1/4	HD-648	1 1/2
HD-632	1	HD-642	1 5/16	HD-652	1 5/8
HD-634	1 1/16	HD-644	1 3/8		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

Made in U.S.A.



33719



33932

WILLIAMS®

3/4" DRIVE DEEP SOCKET, 6 POINT, MM

High-Polished Chrome Finish

Product Code	Size (MM)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diamter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)
33719	19	3 35/64	1 19/64	1 5/32	1 1/64	1 3/16	45/64
33722	22	3 35/64	1 27/64	1 17/64	1 1/64	1 3/16	45/64
33723	23	3 35/64	1 27/64	1 5/16	1 1/64	1 3/16	45/64
33724	24	3 35/64	1 27/64	1 11/32	1 1/64	1 3/16	45/64
33727	27	3 35/64	1 27/64	1 1/2	1 7/64	1 3/16	15/16
33730	30	3 35/64	1 27/64	1 21/32	1 7/64	1 3/16	1 1/16
33732	32	3 35/64	1 27/64	1 47/64	1 7/64	1 3/16	1 9/64
33735	35	3 35/64	1 1/2	1 57/64	1 3/16	1 7/64	1 17/64
33736	36	3 35/64	1 1/2	1 31/32	1 3/16	1 7/64	1 19/64
33738	38	3 35/64	1 1/2	2 1/32	1 11/32	15/16	1 3/8
33741	41	3 35/64	1 37/64	2 13/64	1 11/32	15/16	1 1/2
33746	46	3 35/64	1 21/32	2 7/16	1 11/32	15/16	1 21/32
33750	50	3 35/64	1 21/32	2 43/64	1 27/64	15/16	1 21/32
33755	55	3 15/16	1 49/64	2 29/32	1 1/2	25/32	1 11/16
33760	60	3 61/64	1 49/64	3 5/32	1 37/64	5/8	1 49/64

33932 15 piece 3/4" Drive Deep 6 Point Socket Set in Clip and Rails

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
33719	19	33727	27	33736	36	33750	50
33722	22	33730	30	33738	38	33755	55
33723	23	33732	32	33741	41	33760	60
33724	24	33735	35	33746	46		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.

WILLIAMS®

3/4" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
6-107	Impact Extension	7	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-110	Impact Extension	9 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-113	Impact Extension	12 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-140B	Impact Universal Joint	3 1/2	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-7	1"M x 3/4"F Adapter	2 3/4	6-1XS	6-1A / 6-2C	Through Hole and Pin
6-4A	1/2"M x 3/4"F Adapter	2 1/2	6-1XS	6-1A / 6-2C	Spring Plunger

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.





WILLIAMS®

3/4" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
38002	Impact Extension	7	6-1XS	6-1A / 6-2C	Through Hole and Pin
38003	Impact Extension	10	6-1XS	6-1A / 6-2C	Through Hole and Pin
38004	Impact Extension	13	6-1XS	6-1A / 6-2C	Through Hole and Pin
38001	Impact Universal Joint	4 5/16	6-1XS	6-1A / 6-2C	Through Hole and Pin
38005	1/2"M x 3/4"F Adapter	2 3/16	6-1XS	6-1A / 6-2C	Ball and Spring
38006	1"M x 3/4"F Adapter	2 7/16	6-1XS	6-1A / 6-2C	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.





⚠ WARNING



6-1A



6-2B

WILLIAMS®

3/4" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

Product Code	Description	Diameter	Length	Application
6-1A	Impact Retaining O-Ring	1 1/4	NA	Fits All Williams 3/4" Drive Sockets and Accessories
6-2B	Impact Retaining Pin	3/16	1 1/4	Fits Williams Impact Sockets with "B" Dimension to 1 3/4"
6-2C	Impact Retaining Pin	3/16	1 1/2	Fits Williams Impact Sockets with "B" Dimension 1 3/4" and Greater

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 3/4" drive impact tools with pin retention hole and groove.



6-2XS

WILLIAMS®

3/4" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

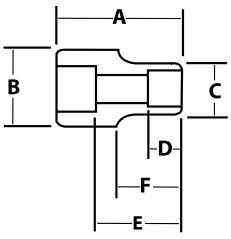
Black Industrial Finish

Product Code	Inside Dia. (In.)
6-0XS	1 1/4"
6-1XS	1 7/16"
6-2XS	1 5/8"
6-3XS	1 3/4"
6-4XS	2
6-5XS	2 1/8"
6-6XS	2 1/4"

Made in U.S.A.

Features

- Fits all Williams 3/4" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 3/4" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, Inc.





16-648BW

WILLIAMS®

3/4" DRIVE BUDD® WHEEL IMPACT SOCKET, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E			
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Uses RET RING® Number	Use O-Ring / Pin
16-648BW	13/16 Square & 1 1/2 Hex	4	1 3/4	2 1/4	1 7/16	2 1/4	1 1/4	6-1X	6-1A / 6-2C

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 13/16" square opening threads stud into wheel.
- 1-1/2" hex opening engages and tightens the wheel lug nut.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
6-618A	9/16	2	1 5/8	1	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-620A	5/8	2	1 5/8	1 3/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-622A	11/16	2	1 5/8	1 5/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6-624A	3/4	2	1 5/8	1 1/4	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-626A	13/16	2	1 5/8	1 3/8	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-628A	7/8	2	1 5/8	1 1/2	19/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-630A	15/16	2	1 5/8	1 9/16	21/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6-632A	1	2	1 5/8	1 5/8	11/16	1 1/32	11/16	-	6-1XS	6-1A / 6-2B
6-634A	1 1/16	2	1 5/8	1 11/16	3/4	1 1/32	1 1/16	1 5/16	6-1XS	6-1A / 6-2B
6-636	1 1/8	2 1/8	1 5/8	1 3/4	3/4	1 5/32	1 1/8	1 7/16	6-1XS	6-1A / 6-2B
6-638	1 3/16	2 1/8	1 5/8	1 7/8	3/4	1 5/32	1 3/16	1 7/16	6-1XS	6-1A / 6-2B
6-640	1 1/4	2 1/8	1 3/4	2	13/16	1 5/32	1 1/4	1 7/16	6-1XS	6-1A / 6-2C
6-642	1 5/16	2 1/8	1 3/4	2 1/32	7/8	1 5/32	1 5/16	1 7/16	6-1XS	6-1A / 6-2C
6-644	1 3/8	2 1/4	1 3/4	2 1/8	7/8	1 9/32	1 3/8	1 9/16	6-1XS	6-1A / 6-2C
6-646	1 7/16	2 1/4	1 3/4	2 3/16	7/8	1 9/32	1 7/16	1 9/16	6-1XS	6-1A / 6-2C
6-648	1 1/2	2 1/4	1 3/4	2 1/4	15/16	1 9/32	1 1/2	1 9/16	6-1XS	6-1A / 6-2C
6-650	1 9/16	2 3/8	1 3/4	2 11/32	15/16	1 13/32	1 9/16	1 11/16	6-1XS	6-1A / 6-2C
6-652	1 5/8	2 3/8	1 3/4	2 13/32	1	1 13/32	1 5/8	1 11/16	6-1XS	6-1A / 6-2C
6-654	1 11/16	2 9/16	1 3/4	2 15/32	1 1/32	1 19/32	1 7/16	1 7/8	6-1XS	6-1A / 6-2C
6-656	1 3/4	2 9/16	1 3/4	2 17/32	1 1/32	1 19/32	1 3/4	1 7/8	6-1XS	6-1A / 6-2C
6-658	1 13/16	2 5/8	1 3/4	2 19/32	1 1/8	1 21/32	1 13/16	1 15/16	6-1XS	6-1A / 6-2C
6-660	1 7/8	2 3/4	1 3/4	2 5/8	1 1/8	1 13/16	1 7/16	2 1/16	6-1XS	6-1A / 6-2C
6-662	1 15/16	2 3/4	1 3/4	2 3/4	1 1/8	1 3/4	1 7/16	2 1/16	6-1XS	6-1A / 6-2C
6-664	2	2 7/8	1 3/4	2 13/16	1 1/8	1 13/16	1 7/16	2 3/16	6-1XS	6-1A / 6-2C
6-666	2 1/16	2 7/8	1 3/4	2 7/8	1 3/16	1 13/16	1 7/16	2 3/16	6-1XS	6-1A / 6-2C
6-670	2 3/16	3 3/16	1 3/4	3 1/16	1 5/16	2 1/16	2 3/16	2 1/2	6-1XS	6-1A / 6-2C
6-672	2 1/4	3 3/16	1 3/4	3 1/8	1 3/8	2 5/32	1 27/32	2 1/2	6-1XS	6-1A / 6-2C
6-676	2 3/8	3 1/2	1 3/4	3 1/4	1 7/16	2 7/16	1 27/32	2 13/16	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



6-620A

WS-6-10HA 10 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-654	1 11/16	6-660	1 7/8	6-666	2 1/16
6-656	1 3/4	6-662	1 15/16	6-670	2 3/16
6-658	1 13/16	6-664	2	6-672	2 1/4
				6-676	2 3/8



WS-6-14HA 14 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-624A	3/4	6-632A	1	6-640	1 1/4	6-648	1 1/2
6-626A	13/16	6-634A	1 1/16	6-642	1 5/16	6-652	1 5/8
6-628A	7/8	6-636	1 1/8	6-644	1 3/8		
6-630A	15/16	6-638	1 3/16	6-646	1 7/16		

WS-6-14HA



WS-6-18TB 18 Piece 3/4" Drive Shallow 6 Point Impact Socket Set packed in Tool Box
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
6-628A	7/8	6-640	1 1/4	6-656	1 3/4
6-630A	15/16	6-642	1 5/16	6-658	1 13/16
6-632A	1"	6-644	1 3/8	6-660	1 7/8
6-634A	1 1/16	6-646	1 7/16	6-664	2"
6-636	1 1/8	6-648	1 1/2	6-107	7" EXT
6-638	1 3/16	6-652	1 5/8	6-140B	U-JOINT
				TB-6119A	TOOL BOX

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

Made in U.S.A.



WS-6-18TB

⚠ WARNING

WILLIAMS

6 F

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

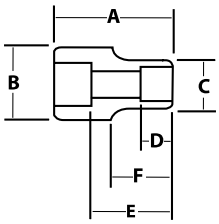
TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38144

38130



Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
38118	9/16	2	1 5/8	1	1	6-1XS	6-1A / 6-2B
38120	5/8	2	1 5/8	1 3/32	1	6-1XS	6-1A / 6-2B
38122	11/16	2	1 5/8	1 5/32	1	6-1XS	6-1A / 6-2B
38124	3/4	2	1 5/8	1 1/4	1	6-1XS	6-1A / 6-2B
38126	13/16	2	1 5/8	1 5/8	1	6-1XS	6-1A / 6-2B
38128	7/8	2	1 11/16	1 7/16	2 9/16	6-1XS	6-1A / 6-2B
38130	15/16	2	1 11/16	1 1/2	2 9/16	6-1XS	6-1A / 6-2B
38132	1	2 1/16	1 11/16	1 9/16	5/8	6-1XS	6-1A / 6-2B
38134	1 1/16	2 1/16	1 11/16	1 11/16	25/32	6-1XS	6-1A / 6-2B
38136	1 1/8	2 1/16	1 3/4	1 3/4	25/32	6-1XS	6-1A / 6-2C
38138	1 3/16	2 1/16	1 3/4	1 13/16	25/32	6-1XS	6-1A / 6-2C
38140	1 1/4	2 1/4	1 3/4	1 7/8	13/16	6-1XS	6-1A / 6-2C
38142	1 5/16	2 1/4	1 3/4	1 15/16	13/16	6-1XS	6-1A / 6-2C
38144	1 3/8	2 1/4	1 3/4	2 1/16	13/16	6-1XS	6-1A / 6-2C
38146	1 7/16	2 1/4	1 3/4	2 7/64	13/16	6-1XS	6-1A / 6-2C
38148	1 1/2	2 1/4	1 3/4	2 13/64	7/8	6-1XS	6-1A / 6-2C
38150	1 9/16	2 1/4	1 3/4	2 7/32	7/8	6-1XS	6-1A / 6-2C
38152	1 5/8	2 1/4	1 3/4	2 15/64	7/8	6-1XS	6-1A / 6-2C
38154	1 11/16	2 7/16	1 3/4	2 15/32	1	6-1XS	6-1A / 6-2C
38156	1 3/4	2 7/16	1 3/4	2 1/2	1	6-1XS	6-1A / 6-2C
38158	1 13/16	2 7/16	1 3/4	2 19/32	1	6-1XS	6-1A / 6-2C
38160	1 7/8	2 11/16	1 3/4	2 11/16	1 3/16	6-1XS	6-1A / 6-2C
38162	1 15/16	2 11/16	1 3/4	2 3/4	1 3/16	6-1XS	6-1A / 6-2C
38164	2	2 11/16	1 3/4	2 13/16	1 3/16	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2



38920

38920 9 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38132	1	38138	1 3/16	38144	1 3/8
38134	1 1/16	38140	1 1/4	38146	1 7/16
38136	1 1/8	38142	1 5/16	38148	1 1/2

38901 16 Piece 3/4" Drive Shallow 6 Point Impact Socket Set with 50083 Metal Box

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38128	7/8	38140	1 1/4	38156	1 3/4
38130	15/16	38142	1 5/16	38158	1 13/16
38132	1	38144	1 3/8	38160	1 7/8
38134	1 1/16	38146	1 7/16	38164	2
38136	1 1/8	38148	1 1/2		
38138	1 3/16	38152	1 5/8		



38901

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

WILLIAMS

3/4 " DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

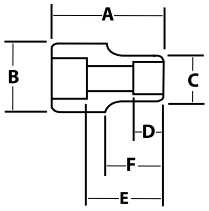
		A	B	C	D	E		F
Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diamter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
38420	5/8	2	1 1/2	1 1/8	5/8	/	1/2	7/8
38422	11/16	2	1 1/2	1 1/8	5/8	/	1/2	7/8
38424	3/4	2	1 1/2	1 1/8	5/8	/	5/8	7/8
38426	13/16	2 1/16	1 1/2	1 1/4	3/4	/	3/4	15/16
38428	7/8	2 1/16	1 1/2	1 5/16	3/4	/	3/4	15/16
38430	15/16	2 1/16	1 1/2	1 7/16	3/4	/	7/8	15/16
38432	1	2 1/16	1 1/2	1 1/2	3/4	/	7/8	/
38434	1 1/16	2 1/16	1 1/2	1 1/2	3/4	/	15/16	/
38436	1 1/8	2 1/16	1 5/8	1 5/8	3/4	/	1 1/16	/
38438	1 3/16	2 1/16	1 3/4	1 3/4	3/4	/	1 1/16	/
38440	1 1/4	2 1/16	1 3/4	1 13/16	3/4	/	1 3/16	15/16
38442	1 5/16	2 1/4	1 3/4	1 13/16	7/8	/	1 3/16	15/16
38444	1 3/8	2 1/4	1 3/4	2	7/8	/	1 1/4	15/16
38446	1 7/16	2 1/4	1 3/4	2	7/8	/	1 3/8	15/16
38448	1 1/2	2 1/4	1 3/4	2 1/16	15/16	/	1 3/8	15/16
38450	1 9/16	2 7/16	1 3/4	2 1/4	15/16	/	1 1/2	1
38452	1 5/8	2 7/16	1 3/4	2 1/4	15/16	/	/	1
38454	1 11/16	2 7/16	1 3/4	2 1/2	1 1/16	/	/	1
38456	1 3/4	2 7/16	1 3/4	2 1/2	1 1/16	/	/	1
38458	1 13/16	2 5/8	1 3/4	2 5/8	1 1/16	/	/	1
38460	1 7/8	2 5/8	1 3/4	2 5/8	1 1/16	/	/	1
38462	1 15/16	2 3/4	1 3/4	2 3/4	1 5/16	/	/	1
38464	2	2 13/16	2 1/8	2 3/4	1 5/16	/	/	1
38466	2 1/16	2 13/16	2 1/8	3	1 5/16	/	/	1
38468	2 1/8	2 13/16	2 1/8	3	1 5/16	/	/	1
38476	2 3/8	3	2 1/8	3 5/16	1 1/2	/	/	1 1/16

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



38444 38430



38925 9 piece 1/2" Drive Impact Shallow 12 Point, SAE Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38420	5/8	38426	13/16	38432	1
38422	11/16	38428	7/8	38434	1 1/16
38424	3/4	38430	15/16	38436	1 1/8

38926 17 piece 1/2" Drive Impact Shallow 12 Point, SAE Socket Set on Clip Rails
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
38438	1 3/16	38446	1 7/16	38454	1 11/16	38462	1 15/16
38440	1 1/4	38448	1 1/2	38456	1 3/4	38464	2
38442	1 5/16	38450	1 9/16	38458	1 13/16	38466	2 1/16
38444	1 3/8	38452	1 5/8	38460	1 7/8	38468	2 1/8
						38476	2 3/8



38925

Features
- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 or 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

⚠ WARNING

WILLIAMS

3/4" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

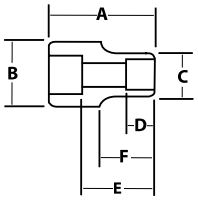
Black Industrial Finish

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



16-624 16-632



Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
16-624	3/4	3	1 5/8	1 1/4	9/16	2 1/32	9/16	3/4	6-1XS	6-1A / 6-2B
16-626	13/16	3	1 5/8	1 7/16	5/8	2 1/32	9/16	3/4	6-1XS	6-1A / 6-2B
16-628	7/8	3	1 5/8	1 7/16	5/8	2 1/32	5/8	3/4	6-1XS	6-1A / 6-2B
16-630	15/16	3	1 5/8	1 5/8	5/8	2 1/32	5/8	-	6-1XS	6-1A / 6-2B
16-632	1	3	1 5/8	1 5/8	11/16	2 1/32	21/32	-	6-1XS	6-1A / 6-2B
16-634	1 1/16	3	1 5/8	1 11/16	11/16	2 1/32	3/4	2 5/16	6-1XS	6-1A / 6-2B
16-636	1 1/8	3	1 5/8	1 3/4	3/4	2 1/32	13/16	2 5/16	6-1XS	6-1A / 6-2B
16-638	1 3/16	3 3/16	1 3/4	1 15/16	3/4	2 7/32	1 3/16	2 1/2	6-1XS	6-1A / 6-2C
16-640	1 1/4	3 1/4	1 3/4	1 15/16	7/8	2 9/32	1 1/4	2 9/16	6-1XS	6-1A / 6-2C
16-642	1 5/16	3 1/4	1 3/4	2	7/8	2 9/32	1 9/32	2 9/16	6-1XS	6-1A / 6-2C
16-644	1 3/8	3 1/4	1 3/4	2 1/8	7/8	2 9/32	1 3/8	2 9/16	6-1XS	6-1A / 6-2C
16-646	1 7/16	3 1/2	1 3/4	2 1/8	7/8	2 17/32	1 13/32	2 13/16	6-1XS	6-1A / 6-2C
16-648	1 1/2	3 1/2	1 3/4	2 1/4	15/16	2 17/32	1 1/2	2 13/16	6-1XS	6-1A / 6-2C
16-650	1 9/16	3 1/2	1 3/4	2 5/16	15/16	2 17/32	1 9/16	2 13/16	6-1XS	6-1A / 6-2C
16-652	1 5/8	3 1/2	1 3/4	2 7/16	15/16	2 17/32	1 5/8	2 13/16	6-1XS	6-1A / 6-2C
16-654	1 11/16	3 1/2	1 3/4	2 1/2	1	2 17/32	1 11/16	2 13/16	6-1XS	6-1A / 6-2C
16-656	1 3/4	3 1/2	1 3/4	2 1/2	1	2 17/32	1 3/4	2 13/16	6-1XS	6-1A / 6-2C
16-658	1 13/16	3 3/4	1 3/4	2 5/8	1 1/16	2 3/4	1 13/16	2 25/32	6-1XS	6-1A / 6-2C
16-660	1 7/8	3 3/4	1 3/4	2 11/16	1 1/8	2 3/4	1 7/8	2 25/32	6-1XS	6-1A / 6-2C
16-664	2	3 3/4	1 3/4	2 3/16	1 1/8	2 3/4	2	2 25/32	6-1XS	6-1A / 6-2C

Fed. Spec: ANSI B107.2

WS-16-7H 7 Piece 3/4" Drive Impact Deep 6 Point Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
16-650	1 9/16	16-658	1 13/16
16-652	1 5/8	16-660	1 7/8
16-654	1 11/16	16-664	2
16-656	1 3/4		

WS-16-8H 8 Piece 3/4" Drive Deep 6 Point Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
16-628	7/8	16-636	1 1/8
16-630	15/16	16-640	1 1/4
16-632	1	16-642	1 5/16
16-634	1 1/16	16-648	1 1/2

Features

Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



WS-16-8H

WILLIAMS®

3/4" DRIVE ONE PIECE IMPACT HEX BIT DRIVER, SAE

Black Industrial Finish

Product Code	Hex Size (Inches)	A OAL	B Drive End Diameter	F Nose Length	Uses RET RING® Number	Use O-Ring / Pin
38216	1/2	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38218	9/16	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38220	5/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38224	3/4	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38226	13/16	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38228	7/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38232	1	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38236	1 1/8	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C
38240	1 1/4	3 1/2	1 3/4	3/4	6-1XS	6-1A / 6-2C



38240

38216

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints

38932 5 Piece 3/4" Drive Hex-Driver Impact Socket Set on Clip Rail
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
38220	5/8	38228	7/8
38224	3/4	38232	1
38226	13/16		



38932

38903 9 Piece 3/4" Drive Hex-Driver Impact Socket Set with 50085 Metal Box
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
38216	1/2	38228	7/8
38218	9/16	38232	1
38220	5/8	38236	1 1/8
38224	3/4	38240	1 1/4
38226	13/16		

Features
- One-piece design maximizes strength and reduces breakage.
- Chamfered ends provide easy engagement of the drive tool and fastener.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.


38903

⚠ WARNING

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



6M-617A

WILLIAMS®

6 M

3/4" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

		A	B	C	D	E		F		
Product Code	Size (MM)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
6M-617A	17	2	1 5/8	1 5/32	17/32	1 1/32	1/2	1	6-1XS	6-1A / 6-2B
6M-619A	19	2	1 5/8	1 1/4	17/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-620A	20	2	1 5/8	1 3/8	35/64	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-622A	22	2	1 5/8	1 1/2	19/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-624A	24	2	1 5/8	1 35/64	11/32	1 1/32	11/16	1	6-1XS	6-1A / 6-2B
6M-627A	27	2	1 5/8	1 11/16	3/4	1 1/32	1 1/16	1 5/16	6-1XS	6-1A / 6-2B
6M-630	30	2 3/32	1 5/8	1 27/32	47/64	1 1/8	47/64	1 13/32	6-1XS	6-1A / 6-2B
6M-631	31	2 1/8	1 5/8	1 15/16	3/4	1 3/16	1 7/32	1 7/16	6-1XS	6-1A / 6-2B
6M-632	32	2 1/8	1 3/4	2	13/16	1 3/16	1 1/4	1 7/16	6-1XS	6-1A / 6-2C
6M-634	34	2 1/8	1 3/4	2	7/8	1 3/16	1 21/64	1 7/16	6-1XS	6-1A / 6-2C
6M-635	35	2 1/4	1 3/4	2 1/8	7/8	1 5/16	1 3/8	1 9/16	6-1XS	6-1A / 6-2C
6M-636	36	2 1/4	1 3/4	2 1/8	7/8	1 5/16	1 13/32	1 9/16	6-1XS	6-1A / 6-2C
6M-638	38	2 1/4	1 3/4	2 1/4	15/16	1 5/16	1 1/2	1 9/16	6-1XS	6-1A / 6-2C
6M-641	41	2 5/8	1 3/4	2 13/32	1 1/8	1 11/16	1 39/64	1 15/16	6-1XS	6-1A / 6-2C
6M-646	46	2 5/8	1 3/4	2 19/32	1 1/8	1 21/32	1 13/16	1 15/16	6-1XS	6-1A / 6-2C

MS-6-8H 8 Piece 3/4" Drive Shallow 6 Point Impact Socket Set on Clip Rail

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
6M-619A	19	6M-627A	27	6M-636	36
6M-622A	22	6M-630	30	6M-641	41
6M-624A	24	6M-632	32		

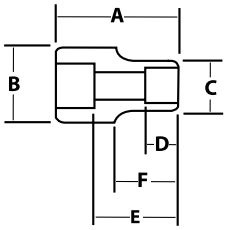


MS-6-8H

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.

USA Made in U.S.A.



WILLIAMS®

6 M

3/4" DRIVE ONE PIECE IMPACT HEX BIT DRIVERS, MM

Black Industrial Finish

Product Code	Hex Size (MM)	Overall Length (Inches)	Drive End Diameter (Inches)	Nose Length	Uses RET Ring Number	use O-Ring/Pin
35810	10	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35812	12	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35814	14	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35817	17	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35819	19	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35821	21	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35824	24	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35827	27	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35830	30	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C
35832	32	3 1/2	1 3/4	3/4	6-1XS	6-1A/6-2C

Fed. Spec: ANSI B107.2



35812 35830

38936 10 Piece 3/4" Drive One Piece Impact Hex Bit Drivers, MM

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
35810	10	35819	19	35830	30
35812	12	35821	21	35832	32
35814	14	35824	24		
35817	17	35827	27		



38936

WILLIAMS

27 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-28TB	27 Piece Tool Set with TB-12 Metal Tool Box
WSX-28	27 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle/Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1234	1 1/16
X-1236	1 1/8
X-1240	1 1/4
X-1242	1 5/16
X-1244	1 3/8
X-1246	1 7/16
X-1248	1 1/2

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1252	1 5/8
X-1258	1 13/16
X-1260	1 7/8
X-1264	2
X-1268	2 1/8
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8
X-1280	2 1/2
X-1282	2 9/16
X-1284	2 5/8
X-1288	2 3/4
X-1294	2 15/16
X-1296	3
X-12100	3 1/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSX-28TB

WILLIAMS

19 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-21TB	19 Piece Tool Set with TB-12 Metal Tool Box
WSX-21	19 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle / Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1248	1 1/2
X-1252	1 5/8
X-1258	1 13/16

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1260	1 7/8
X-1264	2
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8
X-1280	2 1/2
X-1282	2 9/16
X-1284	2 5/8
X-1288	2 3/4
X-1294	2 15/16
X-1296	3

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



WSX-21TB

⚠ WARNING



WSX-20TB

WILLIAMS

19 PIECE 1" DRIVE SOCKET AND DRIVE TOOL SET

12 Point SAE, with Metal Box

Product Code	Description
WSX-20TB	19 Piece Tool Set with TB-12 Metal Tool Box
WSX-20	19 Piece Tool Set Only

Contents Include:

Drive Tools:

Product Code	Description
X-20	20" Sliding T-Handle/Head
X-41C	34 3/16" Flex Handle
X-51B	20" Ratchet
X-110	8" Extension
X-115	16" Extension

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1234	1 1/16
X-1236	1 1/8
X-1240	1 1/4

Shallow 12-Point Sockets

Product Code	Size (Inches)
X-1242	1 5/16
X-1244	1 3/8
X-1246	1 7/16
X-1248	1 1/2
X-1252	1 5/8
X-1258	1 13/16
X-1260	1 7/8
X-1264	2
X-1270	2 3/16
X-1272	2 1/4
X-1276	2 3/8

Made in U.S.A.

Features

- All tools are professional quality, made of high-grade chrome vanadium steel.
- Sockets feature SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Metal tool box made for years of rugged use.



X-51B

WILLIAMS

1" DRIVE RATCHETS

Integrated Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
X-51B	Chrome Ratchet	20 1/8	24
X-52EHRK	Repair Kit for X-51B		

Fed. Spec: ANSI B107.10M

Made in U.S.A.

Features

- Forged one-piece ratchet provide strength and safety for industrial applications.
- Smooth comfort-grip handle permits all-day use without gloves.
- 24 tooth gear with 15 degree of engagement allows engagement in tight working areas.
- Chrome finish with mirror-like exterior can be easily cleaned after each use.
- Single Pawl ratchet design:
  1) Designed for tighter tolerances between pawl and gear which reduces metal fatigue and slippage under load.
  2) Does not require as many working parts, reducing possible breakage and parts to repair.
- Easy access reverse lever allows user to change working direction quickly and easily with only one hand.
- Spring and plunger socket retention.

WILLIAMS

1" DRIVE REMOVABLE-HANDLE RATCHETS

Knurled Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth
Complete Ratchet			
X-52A1	Ratchet with 36" Handle	41	24
Components			
X-52	Ratchet Head Only	7 13/16	24
X-52H36	Handle Only	36	24
X-52EHRK	Repair Kit		

Note: Head Bore and Handle End Diameter: 1-7/64"
Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- 24 teeth action provides an 15° ratcheting angle.
- Shift lever reverses action instantly.
- Dual socket retention, with both ball and plunger on male drive for versatility.
- Removable handle makes the tool more versatile, and storage easier.
- Knurled handle provides a non-slip grip.
- Chrome finish models provides increased protection from rust and corrosion.
- Our most rugged, high torque capacity ratchet.


X-52


X-52A1


X-52H36

WILLIAMS

1" DRIVE HANDLES

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
X-41C	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Chrome
X-41CB	Flex Handle Breaker Bar, Knurled Grip	34 3/16	Black Industrial
X-20	Sliding T-Handle	20	Chrome
Sliding T-Handle Components			
X-20B	Handle	20	Chrome
X-20C	Sliding Head	1 15/16	Chrome

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Drive handles provide extra leverage with greater strength than ratchets.
- Square drive slides on T-Handles for versatility.
- Flex handle flex drive swivels 110° in either direction.
- Spring and plunger socket retention.


X-41C


X-41CB


X-20

WILLIAMS

1" DRIVE EXTENSIONS

Chrome Finish

Product Code	Length (Inches)
X-110	8
X-115	16

Fed. Spec: ANSI B107.10M

USA Made in U.S.A.

Features

- Chrome plating provides increased protection from rust and corrosion.
- Ball and spring socket retention.
- Hole in wall of drive end accommodates plunger for firm tool retention.


X-110


X-115



⚠ WARNING



X-1234 X-1244



WSX-17

WILLIAMS®

1" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish

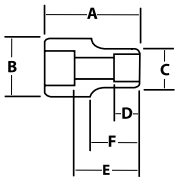
		A	B	C	D	E		F
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
X-1234	1 1/16	2 1/4	2	1 5/8	3/4	1 1/16	13/16	7/8
X-1236	1 1/8	2 1/4	2	1 3/4	3/4	1 1/16	13/16	7/8
X-1240	1 1/4	2 3/8	2	1 7/8	3/4	1 1/8	13/16	7/8
X-1242	1 5/16	2 1/2	2	2 1/16	13/16	1 9/32	15/16	1 9/16
X-1244	1 3/8	2 1/2	2	2 1/8	7/8	1 11/32	1 13/32	1 9/16
X-1246	1 7/16	2 3/4	2	2 3/16	1	1 15/32	1 1/2	1 11/16
X-1248	1 1/2	2 3/4	2	2 1/4	1	1 19/32	1 9/16	1 13/16
X-1252	1 5/8	2 7/8	2	2 3/8	1 1/8	1 3/4	1 11/16	1 15/16
X-1254	1 11/16	2 7/8	2	2 3/8	1 3/16	1 9/16	1 3/4	1 15/16
X-1256	1 3/4	3	2	2 9/16	1 1/4	1 27/32	1 13/16	2 1/16
X-1258	1 13/16	3 1/8	2 1/8	2 5/8	1 1/4	1 31/32	1 7/16	2 3/16
X-1260	1 7/8	3 1/4	2 1/8	2 3/4	1 7/16	2 3/32	1 7/16	2 5/16
X-1264	2	3 3/8	2 1/8	2 15/16	1 1/2	2 1/4	1 7/16	2 7/16
X-1268	2 1/8	3 1/2	2 1/4	3 1/8	1 1/2	2 11/32	1 7/16	2 9/16
X-1270	2 3/16	3 5/8	2 1/4	3 1/8	1 17/32	2 15/32	2 1/4	2 11/16
X-1272	2 1/4	3 3/4	2 1/4	3 1/4	1 5/8	2 5/8	2 11/32	2 23/32
X-1276	2 3/8	3 7/8	2 1/4	3 3/8	1 5/8	2 3/4	2 3/8	2 13/16
X-1280	2 1/2	4 1/8	2 1/4	3 1/2	1 3/4	2 31/32	2 1/2	3 1/16
X-1282	2 9/16	4 1/8	2 1/4	3 9/16	1 13/16	2 31/32	2 9/16	3 3/16
X-1284	2 5/8	4 1/4	2 1/4	3 5/8	1 7/8	3 3/32	2 5/8	3 1/8
X-1288	2 3/4	4 1/2	2 1/4	3 3/4	2	3 3/8	2 3/4	3 9/16
X-1294	2 15/16	4 27/32	2 1/4	4	2 1/8	3 23/32	2 15/16	3 25/32
X-1296	3	4 7/8	2 1/4	4 1/8	2 1/8	3 3/4	3	3 27/32
X-12100	3 1/8	4 31/32	2 1/4	4 1/4	2 1/8	3 27/32	3 1/8	3 29/32

Fed. Spec: ANSI B107.1

WSX-17 17 Piece 1" Drive Shallow 12-Point Socket Set

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
X-1234	1 1/16	X-1248	1 1/2	X-1264	2
X-1236	1 1/8	X-1252	1 5/8	X-1268	2 1/8
X-1240	1 1/4	X-1254	1 11/16	X-1270	2 3/16
X-1242	1 5/16	X-1256	1 3/4	X-1272	2 1/4
X-1244	1 3/8	X-1258	1 13/16	X-1276	2 3/8
X-1246	1 7/16	X-1260	1 7/8		



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for quick engagement on both 6 and 12 point fasteners.

Made in U.S.A.



7-107



7-140B



7-8

WILLIAMS®

1" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
7-107	Impact Extension	7 1/4	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-113	Impact Extension	13	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-140B	Impact Universal Joint	4 1/2	7-3XS	7-1B / 7-2D	Through Hole and Pin
7-6	3/4"M x 1"F Adapter	3	7-2XS	7-1B / 7-2D	Through Hole and Pin
7-8	1 1/2"M x 1"F Adapter	3 3/8	7-2XS	7-1B / 7-2D	Through Hole and Pin

Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Universal joint provides 55° range of motion.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.

WILLIAMS®

1" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
39003	Impact Extension	7	7-2XS	7-1B / 7-2D	Through Hole and Pin
39004	Impact Extension	13	7-2XS	7-1B / 7-2D	Through Hole and Pin
39002	Impact Universal Joint	4 ½	7-3XS	7-1B / 7-2D	Through Hole and Pin
39005	3/4"M X 1"F Adapter	3	7-2XS	7-1B / 7-2D	Through Hole and Pin
39006	1-1/2"M X 1"F Adapter	3 ⅜	7-2XS	7-1B / 7-2D	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

- Specially heat treated for impact use to provide long life, safety, and durability
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience
- Universal joint provides 55° range of motion
- Suitable for use with pneumatic and electric impact wrenches
- Drive end features pin retention hole and groove


39002


39003


39004


39005


39006

WILLIAMS®

1" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

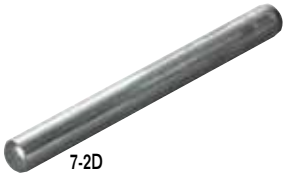
Product Code	Description	Diameter	Length	Application
7-1B	Impact Retaining O-Ring	2	NA	Fits Williams Impact Tools with "B" Dimension to 2 3/8"
7-2D	Impact Retaining Pin	3/16	1 ¾	Fits Williams Impact Tools with "B" Dimension to 2 3/8"
7-1C	Impact Retaining O-Ring	3 ¼	NA	Fits Williams Impact Tools with "B" Dimension of 3 1/4"
7-2F	Impact Retaining Pin	3/16	2 ⅞	Fits Williams Impact Tools with "B" Dimension of 3 1/4"

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 1" Drive impact tools with pin retention hole and groove.

Made in U.S.A.


7-1B


7-2D

WILLIAMS®

1" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

Product Code	Groove Diameter (Inches)	Application
7-1XS	1 ¾	Fits Competitive Impact Sockets
7-2XS	2	Fits Williams 1" Drive Tools with "B" Dimension of 2 ⅛" and 2 ¼"
7-3XS	2 ⅛	Fits Williams 1" Drive Tools with "B" Dimension of 2 ⅜"
7-4XS	2 ¼	Fits Competitive Impact Sockets
7-5XS	2 ½	Fits Competitive Impact Sockets
7-6XS	2 ⅝	Fits Competitive Impact Sockets

Features

- Fits all Williams 1" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 1" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, Inc.

Made in U.S.A.


7-1XS

⚠ WARNING

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



39654

WILLIAMS

6 F

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E	F			
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
39624	3/4	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39626	13/16	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39628	7/8	2 1/8	2 1/8	1 1/2	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39630	15/16	2 1/8	2 1/8	1 19/32	5/8	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
39632	1	2 1/4	2 1/8	1 11/16	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
39634	1 1/16	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
39636	1 1/8	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
39638	1 3/16	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
39640	1 1/4	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
39642	1 5/16	2 1/2	2 1/8	2 1/16	7/8	1 5/16	1	1	7-2XS	7-1B / 7-2D
39644	1 3/8	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
39646	1 7/16	2 1/2	2 1/4	2 1/4	29/32	1 5/16	1 7/16	-	7-2XS	7-1B / 7-2D
39648	1 1/2	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
39650	1 9/16	2 5/8	2 1/4	2 3/8	15/16	1 7/16	1 9/16	1 5/8	7-2XS	7-1B / 7-2D
39652	1 5/8	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
39654	1 11/16	2 3/4	2 3/8	2 19/32	1 1/16	1 5/8	1 7/32	1 3/4	7-3XS	7-1B / 7-2D
39656	1 3/4	2 7/8	2 3/8	2 5/8	1 5/32	1 23/32	1 7/16	1 7/8	7-3XS	7-1B / 7-2D
39658	1 13/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
39660	1 7/8	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 7/16	1 15/16	7-3XS	7-1B / 7-2D
39662	1 15/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 3/8	1 15/16	7-3XS	7-1B / 7-2D
39664	2	3 1/8	2 3/8	3	1 9/32	1 31/32	1 13/32	2 1/8	7-3XS	7-1B / 7-2D
39666	2 1/16	3 1/8	2 3/8	3	1 9/32	1 31/32	1 1/2	2 1/8	7-3XS	7-1B / 7-2D
39668	2 1/8	3 1/4	2 3/8	3 1/8	1 9/32	1 31/32	1 5/8	2 1/4	7-3XS	7-1B / 7-2D
39670	2 3/16	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
39672	2 1/4	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
39674	2 5/16	3 1/2	2 3/8	3 3/8	1 1/2	2 5/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39676	2 3/8	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39678	2 7/16	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
39680	2 1/2	3 5/8	2 3/8	3 1/2	1 5/8	2 15/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
39682	2 9/16	3 5/8	2 3/8	3 5/8	1 5/8	2 15/32	2 9/16	2 5/8	7-3XS	7-1B / 7-2D
39684	2 5/8	3 5/8	2 3/8	3 3/4	1 5/8	2 5/16	1 7/8	2 5/8	7-3XS	7-1B / 7-2D
39686	2 11/16	3 7/8	2 3/8	3 3/4	1 13/16	2 15/32	2	2 7/8	7-3XS	7-1B / 7-2D
39688	2 3/4	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
39690	2 13/16	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
39692	2 7/8	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
39694	2 15/16	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D
39696	3	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D

Fed. Spec: ANSI B107.2

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



17-648BW

WILLIAMS

6 F

1" DRIVE BUDD® WHEEL IMPACT SOCKET, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E	
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)
17-648BW	13/16 Square / 1 1/2 Hex	4	1 3/4	2 1/4	1 7/16	2 1/4	1 1/4

Fed. Spec: ANSI B107.2

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- 13/16" square opening threads stud into wheel.
- 1-1/2" hex opening engages and tightens the wheel lug nut.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

6 F

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
7-624	3/4	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-626	13/16	2 1/8	2 1/8	1 7/16	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-628	7/8	2 1/8	2 1/8	1 1/2	11/16	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-630	15/16	2 1/8	2 1/8	1 19/32	5/8	15/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-632	1	2 1/4	2 1/8	1 11/16	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-634	1 1/16	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7-636	1 1/8	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7-638	1 3/16	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7-640	1 1/4	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
7-642	1 5/16	2 1/2	2 1/8	2 1/16	7/8	1 5/16	1	1	7-2XS	7-1B / 7-2D
7-644	1 3/8	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
7-646	1 7/16	2 1/2	2 1/4	2 1/4	29/32	1 5/16	1 7/16	-	7-2XS	7-1B / 7-2D
7-648	1 1/2	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
7-650	1 9/16	2 5/8	2 1/4	2 3/8	15/16	1 7/16	1 9/16	1 5/8	7-2XS	7-1B / 7-2D
7-652	1 5/8	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
7-654	1 11/16	2 3/4	2 3/8	2 19/32	1 1/16	1 5/8	1 7/32	1 3/4	7-3XS	7-1B / 7-2D
7-656	1 3/4	2 7/8	2 3/8	2 5/8	1 5/32	1 23/32	1 7/16	1 7/8	7-3XS	7-1B / 7-2D
7-658	1 13/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
7-660	1 7/8	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 7/16	1 15/16	7-3XS	7-1B / 7-2D
7-662	1 15/16	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 3/8	1 15/16	7-3XS	7-1B / 7-2D
7-664	2	3 1/8	2 3/8	3	1 9/32	1 31/32	1 13/32	2 1/8	7-3XS	7-1B / 7-2D
7-666	2 1/16	3 1/8	2 3/8	3	1 9/32	1 31/32	1 1/2	2 1/8	7-3XS	7-1B / 7-2D
7-668	2 1/8	3 1/4	2 3/8	3 1/8	1 9/32	1 31/32	1 5/8	2 1/4	7-3XS	7-1B / 7-2D
7-670	2 3/16	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
7-672	2 1/4	3 5/16	2 3/8	3 1/4	1 7/16	2 5/32	1 5/8	2 5/16	7-3XS	7-1B / 7-2D
7-674	2 5/16	3 1/2	2 3/8	3 3/8	1 1/2	2 5/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-676	2 3/8	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-678	2 7/16	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7-680	2 1/2	3 5/8	2 3/8	3 1/2	1 5/8	2 15/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
7-682	2 9/16	3 5/8	2 3/8	3 5/8	1 5/8	2 15/32	2 9/16	2 5/8	7-3XS	7-1B / 7-2D
7-684	2 5/8	3 5/8	2 3/8	3 3/4	1 5/8	2 5/16	1 7/8	2 5/8	7-3XS	7-1B / 7-2D
7-686	2 11/16	3 7/8	2 3/8	3 3/4	1 13/16	2 15/32	2	2 7/8	7-3XS	7-1B / 7-2D
7-688	2 3/4	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
7-690	2 13/16	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
7-692	2 7/8	4	2 3/8	4	1 13/16	2 11/16	2	3	7-3XS	7-1B / 7-2D
7-694	2 15/16	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D
7-696	3	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6100	3 1/8	4 3/8	2 3/8	4 1/4	2 1/16	3 5/16	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6104	3 1/4	4 3/8	2 3/8	4 1/2	2 1/16	3 1/32	2 3/8	3 3/8	7-3XS	7-1B / 7-2D
7-6108	3 3/8	4 23/32	2 3/8	4 5/8	2 1/4	3 5/16	2 1/2	2 39/64	7-3XS	7-1B / 7-2D
7-6112	3 1/2	4 3/4	2 3/8	4 3/4	2 1/4	3 11/32	2 1/2	2 5/8	7-3XS	7-1B / 7-2D
7-6116	3 5/8	4 3/4	2 3/8	5	2 5/16	3 11/32	2 5/8	2 19/32	7-3XS	7-1B / 7-2D
7-6118	3 11/16	4 3/4	2 3/8	5 5/16	2 7/16	3 13/32	2 3/4	2 15/16	7-3XS	7-1B / 7-2D
7-6120	3 3/4	5 1/16	2 3/8	5 1/8	2 3/8	3 21/64	2 5/8	3 5/32	7-3XS	7-1B / 7-2D
7-6122	3 13/16	5 3/16	2 3/8	5 3/8	2 17/32	3 9/16	2 5/8	3 23/64	7-3XS	7-1B / 7-2D
7-6124	3 7/8	5 1/4	2 3/8	5 1/4	2 9/16	3 25/32	2 3/4	3 1/8	7-3XS	7-1B / 7-2D
7-6126	3 15/16	5 5/16	2 3/8	5 11/32	2 9/16	3 25/32	3	3 3/16	7-3XS	7-1B / 7-2D
7-6128	4	5 3/8	2 3/8	5 1/2	2 9/16	3 25/32	2 7/8	3 15/64	7-3XS	7-1B / 7-2D
7-6130	4 1/16	5 3/8	2 3/8	5 1/2	2 15/32	2 19/32	3	3 33/64	7-3XS	7-1B / 7-2D
7-6132	4 1/8	5 3/8	2 3/8	5 9/16	2 9/16	3 25/32	2 7/8	3 7/32	7-3XS	7-1B / 7-2D
7-6134	4 3/16	5 1/2	2 3/8	6	2 33/64	3 55/64	3	3 41/64	7-3XS	7-1B / 7-2D
7-6136	4 1/4	5 1/2	2 3/8	5 3/4	2 5/8	3 25/32	3 1/8	3 5/16	7-3XS	7-1B / 7-2D
7-6138	4 5/16	5 1/2	2 3/8	5 13/16	2 21/32	3 25/32	3 3/8	3 5/16	7-3XS	7-1B / 7-2D
7-6140	4 3/8	5 5/8	2 3/8	5 27/32	2 5/8	3 25/32	3 1/8	3 39/64	7-3XS	7-1B / 7-2D
7-6142	4 7/16	5 5/8	2 3/8	6	2 43/64	3 25/32	2 5/8	3 19/32	7-3XS	7-1B / 7-2D
7-6144	4 1/2	5 5/8	2 3/8	6	2 5/8	3 25/32	3 1/8	3 13/32	7-3XS	7-1B / 7-2D
7-6146	4 9/16	5 5/8	3 1/4	6 1/2	2 3/4	3 1/2	3 3/8	3 17/32	8-1XS	7-1C - 7-2F
7-6148	4 5/8	5 3/4	3 1/4	6 13/32	3 1/16	3 25/32	3 1/8	3 25/32	8-1XS	7-1C - 7-2F
7-6152	4 3/4	5 3/4	3 1/4	6 5/8	2 57/64	3 29/32	3 1/2	3 23/32	8-1XS	7-1C - 7-2F
7-6156	4 7/8	6	3 1/4	7	3	3 29/32	3 1/2	3 31/32	8-1XS	7-1C - 7-2F
7-6160	5	6 1/4	3 1/4	7	3	4 3/16	3 1/2	4 7/32	8-1XS	7-1C - 7-2F
7-6172	5 3/8	6 1/2	3 1/4	7 1/2	3 9/16	4 5/16	4 43/64	4 1/4	8-1XS	7-1C - 7-2F
7-6184	5 3/4	6 1/2	3 1/4	8 1/4	3 9/16	4 17/32	4	4 9/32	8-1XS	7-1C - 7-2F

Fed. Spec: ANSI B107.2

Made in U.S.A.

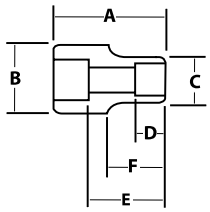
⚠ WARNING

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



7-654



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.



WS-7-19TB

WILLIAMS®

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

WS-7-19TB 19 Piece 1" Drive Shallow 6 Point Impact Socket Set in Tool Box

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
7-648	1 1/2	7-676	2 3/8	7-6100	3 1/8
7-652	1 5/8	7-680	2 1/2	7-6104	3 1/4
7-656	1 3/4	7-682	2 9/16	7-6112	3 1/2
7-660	1 7/8	7-684	2 5/8	7-107	7 3/8" EXT
7-664	2	7-688	2 3/4	7-140B	U-JOINT
7-668	2 1/8	7-692	2 7/8	TB-6124A	TOOL BOX
7-672	2 1/4	7-696	3		

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

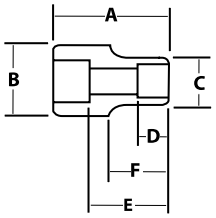
Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



39720



WILLIAMS®

1 " DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F
Product Code	Size (Inches)	Overall Length (Inches)	Drive End Diameter (Inches)	Working End Diamter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)
39720	5/8	2 1/4	2	1 3/16	7/16	/	/	1
39724	3/4	2 1/4	2	1 1/2	7/16	/	/	1
39726	13/16	2 1/4	2	1 1/2	7/16	/	/	1
39728	7/8	2 1/4	2	1 1/2	1/2	/	/	1
39730	15/16	2 1/4	2	1 1/2	1/2	/	/	1
39732	1	2 1/4	2	1 5/8	1/2	/	/	1
39734	1 1/16	2 1/4	2	1 3/4	1/2	/	/	1
39736	1 1/8	2 1/4	2	1 3/4	5/8	/	/	1
39738	1 3/16	2 7/16	2	1 7/8	5/8	/	/	1 1/16
39740	1 1/4	2 7/16	2	2	5/8	/	/	/
39742	1 5/16	2 7/16	2 1/16	2 1/8	3/4	/	/	1 3/16
39744	1 3/8	2 7/16	2 1/16	2 1/8	3/4	/	/	1 3/16
39746	1 7/16	2 7/16	2 1/16	2 1/4	3/4	/	/	1 3/16
39748	1 1/2	2 7/16	2 1/16	2 1/4	7/8	/	/	1 3/16
39750	1 9/16	2 7/16	2 1/16	2 7/16	7/8	/	/	1 3/16
39752	1 5/8	2 7/16	2 1/16	2 7/16	7/8	/	/	1 3/16
39754	1 11/16	2 1/2	2 1/16	2 1/2	1	/	/	1 3/16
39756	1 3/4	2 1/2	2 1/4	2 1/2	1	/	/	1 3/16
39758	1 13/16	2 1/2	2 1/4	2 5/8	1	/	/	1 3/16
39760	1 7/8	2 1/2	2 1/4	2 3/4	1 1/16	/	/	1 3/16
39762	1 15/16	2 5/8	2 1/4	2 3/4	1 1/16	/	/	1 3/16
39764	2	2 3/4	2 1/4	2 5/16	1 1/16	/	/	1 3/16
39766	2 1/16	2 3/4	2 1/4	2 5/16	1 3/16	/	/	1 3/16
39768	2 1/8	2 3/4	2 1/4	3 1/16	1 3/16	/	/	1 3/16
39770	2 3/16	2 3/4	2 7/16	3 3/16	1 3/16	/	/	1 3/16
39772	2 1/4	2 15/16	2 7/16	3 1/4	1 1/4	/	/	1 3/16
39776	2 3/8	3 1/16	2 7/16	3 1/2	1 3/8	/	/	1 3/16
39780	2 1/2	3 3/16	2 7/16	3 1/2	1 3/8	/	/	1 3/16
39782	2 9/16	3 3/16	2 7/16	3 5/8	1 3/8	/	/	1 3/16
39788	2 3/4	3 3/8	2 7/16	3 7/8	1 1/2	/	/	1 1/4
39794	2 15/16	3 3/4	3 3/8	4 1/8	1 5/8	/	/	1 1/2
39796	3	3 3/4	3 3/8	4 1/8	1 5/8	/	/	1 1/2

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS

1" DRIVE DEEP IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

		A	B	C	D	E		F		
Product Code	Size (Inches)	OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
17-632	1	3	2 1/8	1 19/32	3/4	1 13/16	1 1/16	7/8	7-2XS	7-1B / 7-2D
17-634	1 1/16	3 3/4	2 1/8	1 3/4	1 23/32	2 19/32	3/4	7/8	7-2XS	7-1B / 7-2D
17-636	1 1/8	3 3/4	2 1/8	1 13/16	1 25/32	2 19/32	7/8	7/8	7-2XS	7-1B / 7-2D
17-638	1 3/16	3	2 1/8	1 13/16	3/4	1 13/16	13/16	7/8	7-2XS	7-1B / 7-2D
17-640	1 1/4	3 3/4	2 1/8	1 31/32	1 15/16	2 19/32	7/8	1	7-2XS	7-1B / 7-2D
17-642	1 5/16	4	2 1/8	2 1/16	2 1/32	2 27/32	1	1	7-2XS	7-1B / 7-2D
17-644	1 3/8	4	2 1/8	2 1/16	2 1/8	2 27/32	1	1	7-2XS	7-1B / 7-2D
17-646	1 7/16	4	2 1/8	2 1/4	2 3/16	2 27/32	1	2 1/4	7-2XS	7-1B / 7-2D
17-648	1 1/2	4	2 1/4	2 3/8	2 1/4	2 27/32	1 1/8	2 1/2	7-2XS	7-1B / 7-2D
17-650	1 9/16	3 1/2	2 1/4	2 3/8	1	2 11/32	1 17/32	2 1/2	7-2XS	7-1B / 7-2D
17-652	1 5/8	4 1/4	2 1/4	2 7/16	2 13/32	3 3/32	1 1/8	2 5/8	7-2XS	7-1B / 7-2D
17-654	1 11/16	4 1/4	2 1/4	2 17/32	2 1/2	3 3/32	1 1/4	2 5/8	7-3XS	7-1B / 7-2D
17-656	1 3/4	4 1/4	2 1/4	2 19/32	2 9/16	3 1/32	1 1/4	2 7/8	7-3XS	7-1B / 7-2D
17-658	1 13/16	4 1/2	2 1/4	2 11/16	2 21/32	3 9/32	1 1/4	2 7/8	7-3XS	7-1B / 7-2D
17-660	1 7/8	4 1/2	2 1/4	2 3/4	2 3/4	3 1/4	1 3/8	2 7/8	7-3XS	7-1B / 7-2D
17-662	1 15/16	4 1/2	2 1/4	2 27/32	2 13/16	3 1/4	1 3/8	3 1/8	7-3XS	7-1B / 7-2D
17-664	2	4 1/2	2 1/4	2 29/32	2 7/8	3 7/32	1 3/8	3 1/8	7-3XS	7-1B / 7-2D
17-666	2 1/16	4 3/4	2 1/4	3	2 31/32	3 15/32	1 1/2	3 1/8	7-3XS	7-1B / 7-2D
17-668	2 1/8	4 3/8	2 3/8	3 1/4	1 5/16	3 3/16	1 5/8	3 3/8	7-3XS	7-1B / 7-2D
17-670	2 3/16	4 3/4	2 13/32	3 5/32	3 1/8	3 7/16	1 1/2	3 3/8	7-3XS	7-1B / 7-2D
17-672	2 1/4	4 3/4	2 13/32	3 7/32	3 3/16	3 13/32	1 5/8	3 3/8	7-3XS	7-1B / 7-2D
17-674	2 5/16	5	2 13/32	3 5/16	3 9/32	3 21/32	1 5/8	3 1/2	7-3XS	7-1B / 7-2D
17-676	2 3/8	5	2 13/32	3 3/8	3 3/8	3 5/8	1 3/4	3 1/2	7-3XS	7-1B / 7-2D
17-678	2 7/16	4 1/2	2 3/8	3 1/2	1 1/2	3 7/32	1 3/4	3 1/2	7-3XS	7-1B / 7-2D
17-680	2 1/2	4 1/2	2 3/8	3 1/2	1 5/8	3	2 1/2	3 1/2	7-3XS	7-1B / 7-2D
17-682	2 9/16	4 7/8	2 3/8	3 5/8	1 5/8	3 1/2	2	3 7/8	7-3XS	7-1B / 7-2D
17-684	2 5/8	4 11/16	2 3/8	3 3/4	1 5/8	3 11/32	2	3 11/16	7-3XS	7-1B / 7-2D
17-686	2 11/16	4 11/16	2 3/8	3 3/4	1 13/16	2 1/2	2	3 11/16	7-3XS	7-1B / 7-2D
17-688	2 3/4	5 1/8	2 3/8	3 3/4	1 3/4	3 5/8	2	4 1/8	7-3XS	7-1B / 7-2D
17-690	2 13/16	5 1/8	2 3/8	4	1 13/16	2 27/32	2	4 1/8	7-3XS	7-1B / 7-2D
17-692	2 7/8	4 7/8	2 3/8	4	1 13/16	3 9/16	2	3 7/8	7-3XS	7-1B / 7-2D
17-694	2 15/16	4 7/8	2 3/8	4 1/8	2 1/32	2 11/16	2	3 7/8	7-3XS	7-1B / 7-2D
17-696	3	5 1/8	2 3/8	4 1/4	2 1/32	3 7/8	2 3/8	4 1/8	7-3XS	7-1B / 7-2D
17-6100	3 1/8	5 1/8	2 3/8	4 3/8	2 1/32	3 1/32	2 3/8	4 1/8	7-3XS	7-1B / 7-2D
17-6104	3 1/4	5 3/8	2 3/8	4 1/2	2 1/32	3 1/32	2 3/8	4 3/8	7-3XS	7-1B / 7-2D
17-6108	3 3/8	5 1/2	2 3/8	4 5/8	2 1/4	3 5/16	2 1/2	4 1/2	7-3XS	7-1B / 7-2D
17-6112	3 1/2	5 1/2	2 3/8	4 3/4	2 1/4	4 3/32	2 1/2	4 1/2	7-3XS	7-1B / 7-2D
17-6116	3 5/8	5 1/2	2 3/8	5	2 5/16	4 3/32	2 5/8	4 1/2	7-3XS	7-1B / 7-2D
17-6118	3 11/16	5 17/32	2 3/8	5 5/16	2 7/16	3 7/8	2 3/4	4 17/32	7-3XS	7-1B / 7-2D
17-6120	3 3/4	5 9/16	2 3/8	5 1/4	2 1/4	3 19/32	2 13/16	4 9/16	7-3XS	7-1B / 7-2D
17-6122	3 13/16	5 31/32	2 3/8	5 3/8	2 17/32	4 11/32	2 5/8	4 31/32	7-3XS	7-1B / 7-2D
17-6124	3 7/8	5 9/16	2 3/8	5 1/4	2 9/16	3 5/8	3	4 9/16	7-3XS	7-1B / 7-2D
17-6126	3 15/16	6 1/16	2 3/8	5 1/2	2 13/32	4 13/32	3	5 1/16	7-3XS	7-1B / 7-2D
17-6128	4	6 1/8	2 3/8	5 1/2	2 17/32	4 3/32	2 7/8	5 1/8	7-3XS	7-1B / 7-2D
17-6130	4 1/16	6 1/8	2 3/8	5 1/2	2 15/32	4 1/2	3	5 5/32	7-3XS	7-1B / 7-2D
17-6132	4 1/8	6 1/8	2 3/8	5 17/32	2 17/32	4 3/32	2 7/8	5 1/8	7-3XS	7-1B / 7-2D
17-6134	4 3/16	6 7/32	2 3/8	6	2 1/2	4 9/16	3	5 7/32	7-3XS	7-1B / 7-2D
17-6136	4 1/4	6 9/32	2 3/8	5 3/4	2 5/8	4 9/16	3 1/8	5 9/32	7-3XS	7-1B / 7-2D
17-6138	4 5/16	6 11/32	2 3/8	5 13/16	2 21/32	4 5/8	3 3/8	5 11/32	7-3XS	7-1B / 7-2D
17-6140	4 3/8	6 13/32	2 3/8	5 27/32	2 5/8	4 9/16	3 1/8	5 13/32	7-3XS	7-1B / 7-2D
17-6142	4 7/16	6 13/32	2 3/8	6	2 21/32	4 9/16	2 5/8	5 13/32	7-3XS	7-1B / 7-2D
17-6144	4 1/2	7	2 3/8	6	2 3/4	5	3 1/8	6	7-3XS	7-1B / 7-2D
17-6146	4 9/16	7 1/8	3 1/4	6 1/2	2 3/4	4 19/32	3 3/8	6 1/8	8-1XS	7-1C - 7-2F
17-6148	4 5/8	7 1/8	3 1/4	6 13/16	2 13/16	4 3/32	3 1/2	6 1/8	8-1XS	7-1C - 7-2F
17-6152	4 3/4	6 3/4	3 1/4	6 5/8	2 29/32	4 29/32	3 1/2	5 3/4	8-1XS	7-1C - 7-2F
17-6156	4 7/8	7 1/4	3 1/4	7	3	5 5/32	3 1/2	6 1/4	8-1XS	7-1C - 7-2F
17-6160	5	7 3/4	3 1/4	7	3	5 21/32	3 1/2	6 3/4	8-1XS	7-1C - 7-2F
17-6172	5 3/8	8	3 1/4	7 1/2	3 9/16	5 25/32	3 21/32	7	8-1XS	7-1C - 7-2F
17-6184	5 3/4	8	3 1/4	8 1/4	3 9/16	6 1/32	4	7	8-1XS	7-1C - 7-2F

Fed. Spec: ANSI B107.2

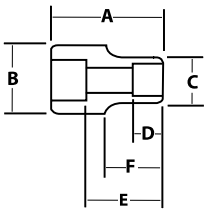
Made in U.S.A.

TOOLS @ HEIGHT DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



17-660



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

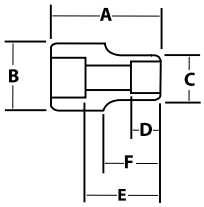
WARNING



7M-650

TOOLS @ HEIGHT
DROP PREVENTION SYSTEM

Side hole in socket permits use with Snap-on Industrial Brands Tools@Height drive tools such as ratchets, extensions and u-joints



WILLIAMS®

6 M

1" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, METRIC

Black Industrial Finish

Product Code	Size (MM)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	F Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
7M-627	27	2 1/4	2 1/8	1 3/4	11/16	1 1/16	3/4	7/8	7-2XS	7-1B / 7-2D
7M-630	30	2 1/4	2 1/8	1 7/8	11/16	1 1/16	13/16	7/8	7-2XS	7-1B / 7-2D
7M-632	32	2 3/8	2 1/8	2	3/4	1 3/16	15/16	7/8	7-2XS	7-1B / 7-2D
7M-635	35	2 1/2	2 1/8	2 1/8	7/8	1 5/16	1 3/8	-	7-2XS	7-1B / 7-2D
7M-638	38	2 5/8	2 1/4	2 11/32	15/16	1 15/32	1 1/2	1 5/8	7-2XS	7-1B / 7-2D
7M-641	41	2 3/4	2 1/4	2 3/8	1 1/16	1 5/8	1 19/32	1 3/4	7-2XS	7-1B / 7-2D
7M-646	46	2 15/16	2 3/8	2 3/4	1 3/16	1 23/32	1 13/16	1 15/16	7-3XS	7-1B / 7-2D
7M-650	50	3	2 3/8	2 3/4	1 1/4	1 27/32	1 61/64	2	7-3XS	7-1B / 7-2D
7M-660	60	3 1/2	2 3/8	3 1/2	1 1/2	2 11/32	1 3/4	2 1/2	7-3XS	7-1B / 7-2D
7M-665	65	3 5/8	2 3/8	3 5/8	1 5/8	2 1/8	2 1/4	2 5/8	7-3XS	7-1B / 7-2D
7M-670	70	3 7/8	2 3/8	3 3/4	1 13/16	2 21/32	2 3/4	2 7/8	7-3XS	7-1B / 7-2D
7M-675	75	4 3/16	2 3/8	4 1/8	2 1/32	2 11/16	2 15/16	3 1/8	7-3XS	7-1B / 7-2D

Features

USA Made in U.S.A.

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.
- Drive end features pin retention hole and groove.
- Dual marked with corresponding SAE size.



8-108



8-140B

WILLIAMS®

1-1/2" DRIVE IMPACT EXTENSIONS AND ACCESSORIES

Black Industrial Finish

Product Code	Description	Length (Inches)	Use RET RING®	Use O-Ring / Pin	Socket Retention
8-108	Impact Extension	8	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-115	Impact Extension	15	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-140B	Impact Universal Joint	6 1/16	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-7	1"M x 1 1/2"F Adapter	4 1/4	8-1XS	7-1C / 8-2E	Through Hole and Pin
8-8	1 1/2"M x 2 1/2"F Adapter	6 3/8	8-4XS	9-1D / 9-2G	Through Hole and Pin

Fed. Spec: ANSI B107.2

Features

USA ade in U.S.A.

- Specially heat treated for impact use to provide long life, safety, and durability.
- Pin and o-ring or RET RING® (sold separately) secure tools onto impact wrench for safety and convenience.
- Universal joint provides 55° range of motion.
- Suitable for use with pneumatic and electric impact wrenches.
- Drive end features pin retention hole and groove.



8-8



8-7

WILLIAMS®

1-1/2" SLIDING T-HANDLE

Black Industrial Finish

Product Code	Length (Inches)	Shaft Diameter (Inches)	Socket Retention
8-20	36	2 1/2	Plunger and Spring

Features

USA Made in U.S.A.

- Drive end slides on bar for additional flexibility.
- Ideal for turning 1-1/2" drive sockets when impact wrench is not available.



8-20

WILLIAMS®

1-1/2" DRIVE IMPACT RETAINING PINS AND RINGS

Black Industrial Finish

Product Code	Description	Diameter (Inches)	Length (Inches)	Application
7-1C	Impact Retaining O-Ring	3 1/4	NA	Fits All Williams 1 1/2" Drive Sockets and Accessories
8-2E	Impact Retaining Pin	1/4	2 7/8	Fits All Williams 1 1/2" Drive Sockets and Accessories
9-1D	Impact Retaining O-Ring	4 1/8	NA	
9-2G	Impact Retaining Pin	5/16	2 7/8	

Made in U.S.A.

Features

- Specially heat treated for impact use to provide long life, safety, and durability.
- Suitable for use with pneumatic and electric impact wrenches.
- For 1-1/2" Drive impact tools with pin retention hole and groove.



7-1C



8-2E

WILLIAMS®

1-1/2" DRIVE RET RING® ONE-PIECE IMPACT RETAINING RINGS WITH CRUSH GAUGE

Black Industrial Finish

Product Code	Diameter (Inches)	Application
8-1XS	2 7/8	Fits Williams 1 1/2" Drive Tools with "B" Dimension of 3 1/4"
8-2XS	3 3/8	Fits Competitive Impact Sockets
8-3XS	3 7/8	Fits Competitive Impact Sockets
8-4XS	4 3/8	Fits Competitive Impact Sockets

Made in U.S.A.

Features

- Fits all Williams 1-1/2" Drive Sockets and Accessories
- Crush Gage on the resin pin indicates when a socket is excessively worn and should be replaced.
- Securely retains sockets and accessories to square drive of impact wrench
- For 1-1/2" drive impact tools with pin retention hole and groove
- Made of oil resistant material
- RET RING® is a trademark of FTL Enterprises, inc.



8-1XS

⚠ WARNING

WILLIAMS®

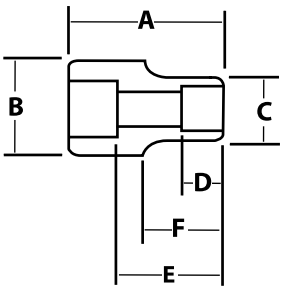


8-696

1-1/2" DRIVE SHALLOW IMPACT SOCKETS, 6 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A OAL (Inches)	B Drive End Diameter (Inches)	C Working End Diameter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)	Uses RET RING® Number	Use O-Ring / Pin
8-646	1 7/16	3 1/32	3 1/4	2 7/8	57/64	1 25/64	1 7/16	1 7/32	8-1XS	7-1C / 8-2E
8-648	1 1/2	3 3/32	3 1/4	2 7/8	29/32	1 7/16	1 31/64	1 17/64	8-1XS	7-1C / 8-2E
8-652	1 5/8	3 3/16	3 1/4	2 29/32	1 1/32	1 9/16	1 5/8	1 21/64	8-1XS	7-1C / 8-2E
8-654	1 11/16	3 1/4	3 1/4	2 31/32	1 1/16	1 9/16	1 11/16	1 39/64	8-1XS	7-1C / 8-2E
8-656	1 3/4	3 9/32	3 1/4	3 1/32	1 1/32	1 21/32	1 21/32	1 9/16	8-1XS	7-1C / 8-2E
8-658	1 13/16	3 21/64	3 1/4	3 3/32	1 5/32	1 11/64	1 13/16	1 5/8	8-1XS	7-1C / 8-2E
8-660	1 7/8	3 3/8	3 1/4	3 5/32	1 7/32	1 3/4	1 7/8	1 23/32	8-1XS	7-1C / 8-2E
8-664	2	3 7/16	3 1/4	3 1/2	1 9/32	1 13/16	2	1 51/64	8-1XS	7-1C / 8-2E
8-666	2 1/16	3 1/2	3 1/4	3 1/2	1 13/32	1 55/64	2 1/16	1 55/64	8-1XS	7-1C / 8-2E
8-668	2 1/8	3 9/16	3 1/4	3 1/2	1 27/64	1 59/64	2 1/8	1 59/64	8-1XS	7-1C / 8-2E
8-670	2 3/16	3 21/32	3 1/4	3 1/2	1 7/16	2	2 3/16	2 1/64	8-1XS	7-1C / 8-2E
8-672	2 1/4	3 3/4	3 1/4	3 9/16	1 17/32	2 1/8	2 1/4	2 1/8	8-1XS	7-1C / 8-2E
8-676	2 3/8	3 7/8	3 1/4	3 25/32	1 9/16	2 1/4	2 3/8	2 17/64	8-1XS	7-1C / 8-2E
8-678	2 7/16	3 15/16	3 1/4	3 25/32	1 9/16	2 19/64	2 7/16	2 5/16	8-1XS	7-1C / 8-2E
8-680	2 1/2	4	3 1/4	3 7/8	1 19/32	2 3/8	2 31/64	2 1/64	8-1XS	7-1C / 8-2E
8-682	2 9/16	4 1/32	3 1/4	3 29/32	1 5/8	2 13/32	2 9/16	2 3/64	8-1XS	7-1C / 8-2E
8-684	2 5/8	4 3/32	3 1/4	4	1 11/16	2 15/32	2 5/8	2 7/64	8-1XS	7-1C / 8-2E
8-688	2 3/4	4 7/32	3 1/4	4 5/32	1 13/16	2 7/16	2 3/4	2 15/64	8-1XS	7-1C / 8-2E
8-692	2 7/8	4 5/16	3 1/4	4 5/16	1 7/8	2 11/16	2 5/8	2 9/32	8-1XS	7-1C / 8-2E
8-694	2 15/16	4 3/8	3 1/4	4 3/8	1 29/32	2 3/4	2 5/8	2 23/64	8-1XS	7-1C / 8-2E
8-696	3	4 7/16	3 1/4	4 7/16	1 5/16	2 27/32	2 5/8	2 13/32	8-1XS	7-1C / 8-2E
8-698	3 1/16	4 1/2	3 1/4	4 9/16	1 31/32	2 7/8	2 5/8	2 15/32	8-1XS	7-1C / 8-2E
8-6100	3 1/8	4 9/16	3 1/4	4 5/8	2	3	2 5/8	2 1/2	8-1XS	7-1C / 8-2E
8-6104	3 1/4	4 21/32	3 1/4	4 25/32	2 1/8	3	2 5/8	2 19/32	8-1XS	7-1C / 8-2E
8-6108	3 3/8	4 3/4	3 1/4	4 15/16	2 7/32	3 1/8	2 5/8	2 43/64	8-1XS	7-1C / 8-2E
8-6110	3 7/16	4 27/32	3 1/4	5	2 9/32	3 7/32	2 5/8	2 3/4	8-1XS	7-1C / 8-2E
8-6112	3 1/2	4 29/32	3 1/4	5 1/16	2 5/16	3 1/4	2 5/8	2 13/16	8-1XS	7-1C / 8-2E
8-6116	3 5/8	5 1/8	3 1/4	5 1/4	2 13/32	3 7/16	2 5/8	3	8-1XS	7-1C / 8-2E
8-6120	3 3/4	5 1/8	3 1/4	5 3/8	2 15/32	3 1/2	2 5/8	3 1/32	8-1XS	7-1C / 8-2E
8-6122	3 13/16	5 3/16	3 1/4	5 3/8	2 17/32	3 7/8	2 5/8	3 3/32	8-1XS	7-1C / 8-2E
8-6124	3 7/8	5 1/4	3 1/4	5 17/32	2 9/16	3 5/8	2 5/8	3 5/32	8-1XS	7-1C / 8-2E
8-6128	4	5 13/32	3 1/4	5 21/32	2 5/8	3 25/32	2 5/8	3 9/32	8-1XS	7-1C / 8-2E
8-6132	4 1/8	5 9/16	3 1/4	5 13/16	2 3/4	3 59/64	2 5/8	3 7/16	8-1XS	7-1C / 8-2E
8-6136	4 1/4	5 11/16	3 1/4	5 31/32	2 13/16	4 1/16	2 5/8	3 9/16	8-1XS	7-1C / 8-2E
8-6138	4 5/16	5 25/32	3 1/4	6 1/32	2 7/8	4 5/32	2 5/8	3 21/32	8-1XS	7-1C / 8-2E
8-6140	4 3/8	5 27/32	3 1/4	6 3/32	2 29/32	4 7/32	2 5/8	3 21/32	8-1XS	7-1C / 8-2E
8-6144	4 1/2	6	3 1/4	6 1/4	3 1/32	4 3/8	2 5/8	3 15/16	8-1XS	7-1C / 8-2E
8-6148	4 5/8	6 1/16	3 1/4	6 13/16	3 1/16	4 7/16	3 1/2	4 3/32	8-1XS	7-1C / 8-2E
8-6152	4 3/4	6 1/8	3 1/4	6 9/16	3 1/8	4 1/2	2 5/8	4	8-1XS	7-1C / 8-2E
8-6156	4 7/8	6 3/4	3 1/4	7	3 1/8	5 7/64	3 1/2	4 19/32	8-1XS	7-1C / 8-2E
8-6160	5	6 3/4	3 1/4	7 1/8	3 1/16	5 7/64	3 1/2	4 9/16	8-1XS	7-1C / 8-2E
8-6172	5 3/8	7	3 1/4	7 5/16	3 1/4	5 1/8	4	4 29/32	8-1XS	7-1C / 8-2E
8-6184	5 3/4	7	3 1/4	7 5/8	3 1/2	5 1/8	3 3/4	4 7/8	8-1XS	7-1C / 8-2E
8-6196	6 1/8	7 1/4	5	8 1/2	3 11/16	5 3/8	4 1/2	5 1/16	8-4XS	9-1D / 8-2E
8-6208	6 1/2	7 1/2	5	9 1/4	3 1/2	5 5/8	5	5 9/64	8-4XS	9-1D / 8-2E
8-6220	6 7/8	7 7/8	5	9 1/4	3 7/8	6	4 3/4	5 33/64	8-4XS	9-1D / 8-2E
8-6232	7 1/4	8 1/8	5	10	4 1/2	6 1/4	5 1/2	5 49/64	8-4XS	9-1D / 8-2E
8-6244	7 5/8	8 1/4	5	10 3/4	4 13/16	6 3/8	6 1/2	5 57/64	8-4XS	9-1D / 8-2E
8-6256	8	8 3/8	5	11	5 1/16	6 1/2	7	6 1/64	8-4XS	9-1D / 8-2E



Fed. Spec: ANSI B107.2

Made in U.S.A.

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

WILLIAMS®

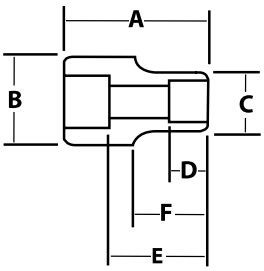
1-1/2" DRIVE SHALLOW IMPACT SOCKETS, 12 POINT, SAE

Black Industrial Finish

Product Code	Size (Inches)	A Overall Length (Inches)	B Drive End Diameter (Inches)	C Working End Diamter (Inches)	D Broach Depth (Inches)	E Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	F Nose Length (Inches)
41144	1 3/8	3 1/8	3 3/8	2 1/2	1	/	1 3/16	1 3/8
41146	1 7/16	3 1/8	3 3/8	2 1/2	1	/	1 1/4	1 3/8
41148	1 1/2	3 1/8	3 3/8	2 5/8	1	/	1 1/4	1 3/8
41150	1 9/16	3 1/8	3 3/8	2 5/8	1	/	1 3/8	1 3/8
41152	1 5/8	3 1/8	3 3/8	2 3/4	1	/	1 3/8	1 3/8
41154	1 11/16	3 1/4	3 3/8	2 3/4	1 1/16	/	1 1/2	1 1/2
41156	1 3/4	3 1/4	3 3/8	2 15/16	1 1/16	/	1 1/2	1 1/2
41158	1 13/16	3 1/4	3 3/8	2 15/16	1 1/16	/	1 5/8	1 1/2
41160	1 7/8	3 7/16	3 3/8	3 1/8	1 3/16	/	1 5/8	1 5/8
41162	1 15/16	3 7/16	3 3/8	3 1/8	1 3/16	/	1 3/4	1 5/8
41164	2	3 7/16	3 3/8	3 1/4	1 3/16	/	1 3/4	1 5/8
41166	2 1/16	3 7/16	3 3/8	3 1/4	1 3/16	/	1 7/8	1 5/8
41168	2 1/8	3 1/2	3 3/8	3 3/8	1 1/2	/	1 7/8	/
41170	2 3/16	3 1/2	3 3/8	3 3/8	1 1/2	/	1 7/8	/
41172	2 1/4	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41174	2 5/16	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41176	2 3/8	3 1/2	3 3/8	3 5/8	1 1/2	/	2 1/16	1 3/4
41178	2 7/16	3 3/4	3 3/8	3 7/8	1 5/8	/	2/14	1 3/4
41180	2 1/2	3 3/4	3 3/8	3 7/8	1 5/8	/	2/14	1 3/4
41182	2 9/16	3 3/4	3 3/8	3 7/8	1 5/8	/	2/14	1 3/4
41184	2 5/8	3 3/4	3 3/8	4 3/16	1 5/8	/	2 7/16	1 3/4
41186	2 11/16	3 3/4	3 3/8	4 3/16	1 5/8	/	2 7/16	1 3/4
41188	2 3/4	3 3/4	3 3/8	4 3/16	1 5/8	/	2 1/2	1 3/4
41190	2 13/16	4 1/16	3 3/8	4 1/4	1 3/4	/	2 1/2	1 3/4
41192	2 7/8	4 1/16	3 3/8	4 1/4	1 3/4	/	2 5/8	1 3/4
41194	2 15/16	4 1/16	3 3/8	4 1/4	1 3/4	/	2 5/8	1 3/4
41196	3	4 1/4	3 3/8	4 5/8	2	/	2 3/4	1 3/4
41200	3 1/8	4 1/4	3 3/8	4 5/8	2	/	2 3/4	1 3/4
41204	3 1/4	4 1/4	3 3/8	4 15/16	2	/	3	1 3/4
41208	3 3/8	4 1/4	3 3/8	4 15/16	2	/	3	1 3/4
41212	3 1/2	4 5/8	3 3/8	5	2 3/16	/	3 1/4	1 3/4
41220	3 3/4	4 5/8	3 3/4	5 1/4	2 3/16	/	3 1/2	2
41224	3 7/8	4 15/16	3 3/4	5 7/16	2 1/4	/	3 5/8	2
41226	3 15/16	4 15/16	3 3/4	5 7/16	2 1/4	/	3 5/8	2
41228	4	4 15/16	3 3/4	5 7/16	2 1/4	/	3 3/4	2



41144



Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener.
- Designed for maximum engagement on 6 and 12 point fasteners.
- Suitable for use with pneumatic and electric impact wrenches.
- Specially heat treated for impact use to provide long life, safety, and durability.

⚠ WARNING

SCREWDRIVERS

RATCHETING AND T-HANDLE

• ERGONOMICALLY DESIGNED, HIGH IMPACT, PLASTIC HANDLE FOR GREATER USER COMFORT AND CONTROL
• HEAVY DUTY RATCHETING MECHANISM FOR DEPENDABLE, CONSISTENT OPERATION

SQUARE SHANK

• CHROME BLADES PREVENT CORROSION AND CAN BE EASILY CLEANED AFTER WORK APPLICATION
• SQUARE SHANK ALLOWS THE EASY USE OF A WRENCH FOR ADDITIONAL TURNING TORQUE

COMFORT-GRIP

• HI-POLISH CHROME BLADES PREVENT CORROSION AND CAN BE EASILY CLEANED.
• COMFORT-GRIP HANDLE WITH THUMB STOP ALLOWS FOR ADDED TURNING POWER WITHOUT DISCOMFORT OR SLIPPAGE

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



WILLIAMS 72-BIT SET P.388



MAGNETIC RATCHETING SCREWDRIVER P.382



PHILLIPS® SCREWDRIVER WITH ROUND BLADES P.385



SLOTTED SCREWDRIVER P.384

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS®

8 PIECE PREMIUM MIXED SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-8MD	8 Piece Premium Screwdriver Set Phillips® / Slotted Tips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 3/4	8	3/8
SDP-1-3	6 1/4	3	#1
SDP-2-4	7 15/16	4	#2
SDP-3-6	10 1/2	6	#3
SDE-43	6 11/16	3	3/16" Electrician's Tip
SDE-46	9 11/16	6	3/16" Electrician's Tip

Features

Made in U.S.A.

- Contains 3 slotted, 3 Phillips®, and 2 Electrician's screwdrivers.
- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



100P-8MD

WILLIAMS®

5 PIECE PREMIUM MIXED SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-5MD	5 Piece Premium Screwdriver Set Phillips® / Slotted Tips

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDP-1-3	6 1/4	3	#1 Phillips
SDP-2-4	7 15/16	4	#2 Phillips

Features

Made in U.S.A.

- Contains 3 slotted and 2 Phillips® screwdrivers.
- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



100P-5MD

⚠ WARNING



100P-6SD

WILLIAMS®

6 PIECE PREMIUM SLOTTED SCREWDRIVER SET

Comfort-Grip Handle

Product Code	Description
100P-6SD	6 Piece Premium Slotted Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 11/16	8	3/8
SDR-30	14 3/4	10	7/16
SDS-33	17 13/16	12	3/8

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.



100P-6PD

WILLIAMS®

6 PIECE PREMIUM PHILLIPS® SCREWDRIVER SET

Comfort-Grip Handle With Round Blade

Product Code	Description
100P-6PD	6 Piece Premium Phillips® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
SDP-1-3	6 1/4	3	#1
SDP-2-4	7 15/16	4	#2
SDP-2-8*	12	8	#2
SDP-3-6	10 1/2	6	#3
SDP-4-6	10 3/4	6	#4
SDP-2-ST*	3 1/2	1 1/2	#2

* Does not have Bolster

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Chrome blades prevent corrosion and can be easily cleaned.
- Blades are made from special alloy steel for extra strength.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Hex bolsters on shafts allow a wrench to be used for extra turning power.

WILLIAMS®

12 PIECE COMBINATION SCREWDRIVER SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24008	12 Piece Combination Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size / TORX® Size
24203	3 7/8	1 1/2	3/16
24205	7 3/4	4	3/16
24217	3 7/8	1 1/2	1/4
24219	8 1/4	4	1/4
24229	10 3/16	6	1/4
24237	10 9/16	6	5/16
24249	5 11/16	3	#1
24251	3 7/8	1 1/2	#2
24253	8 1/4	4	#2
24259	10 9/16	6	#3
24265	7 3/4	4	T15
24269	8 1/4	4	T25



24008

Features

- Contains 6 slotted, 4 Phillips® and 2 TORX® screwdrivers.
- Bi-Mold handles provide comfortable grip, reducing hand fatigue.
- Set packed in pouch.
- Handle end shows size and style for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.

WILLIAMS®

8 PIECE COMBINATION SCREWDRIVER SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24006	8 Piece Combination Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width / Point Size
24205	7 3/4	4	3/16
24217	3 7/8	1 1/2	1/4
24219	8 1/4	4	1/4
24237	10 9/16	6	5/16
24241	12 9/16	8	3/8
24249	5 11/16	3	#1
24251	3 7/8	1 1/2	#2
24253	8 1/4	4	#2



24006

Features

- Contains 5 slotted and 3 Phillips® screwdrivers.
- Bi-Mold handles provide comfortable grip, reducing hand fatigue.
- Set packed in pouch.
- Handle end shows size and style for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.

WILLIAMS®

6 PIECE SLOTTED TIP SCREWDRIVER SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24004	6 Piece Slotted Tip Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24203	3 7/8	1 1/2	3/16
24205	7 3/4	4	3/16
24217	3 7/8	1 1/2	1/4
24219	8 1/4	4	1/4
24237	10 9/16	6	5/16
24241	12 9/16	8	3/8



24004

Features

- Bi-Mold handles provide comfortable grip, reducing hand fatigue.
- Set packed in pouch.
- Handle end shows size and style for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.

⚠ WARNING



24002

WILLIAMS®

4 PIECE CABINET TIP SCREWDRIVER SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24002	4 Piece Cabinet Tip Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24201	6 11/16	4	1/8
24207	6 13/16	3	3/16
24211	9 3/4	6	3/16
24213	13 11/16	10	3/16

Features

- Bi-Mold handles provide comfortable grip, reducing hand fatigue.
- Set packed in pouch.
- Handle end shows size and style for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.



24012

WILLIAMS®

6 PIECE PHILLIPS® SCREWDRIVERS SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24012	6 Piece Phillips Screwdrivers Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24247	3 7/8	1 1/2	1
24249	5 11/16	3	1
24251	3 7/8	1 1/2	2
24253	8 1/4	4	2
24257	12 1/8	8	2
24259	10 9/16	6	3

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue
- Handle end shows size and style for easy identification



24010

WILLIAMS®

6 PIECE TORX® SCREWDRIVER SET

Bi-Mold Comfort Grip Handles

Product Code	Description
24010	6 Piece Torx® Screwdriver Set

Contents Include:

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
24263	7 1/4	4	T10
24265	7 1/4	4	T15
24267	7 3/4	4	T20
24269	8 1/4	4	T25
24271	8 1/4	4	T27
24273	8 1/4	4	T30

Features

- Bi-Mold handles provide comfortable grip, reducing hand fatigue.
- Set packed in pouch.
- Handle end shows size and style for easy identification.
- Chrome blades prevent corrosion and can be easily cleaned.

WILLIAMS

MAGNETIC RATCHETING SCREWDRIVER

Comfort Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)
WRS-1	9	4

Made in U.S.A.

Features

- Includes 5 bits: 2 slotted, #1 Phillips®, #2 Phillips®, and T-15 Torx®.
- Ergonomically designed handle for greater user comfort and control.
- Hi-impact plastic handle for durability and flexibility in all types of work applications.
- Heavy-duty 3-way On-Off-Locked ratcheting mechanism allows consistent and smooth operation.
- Powerful magnetic shank securely holds bit in place before, during and after the job application.
- Stainless steel shank eliminates problems of chrome chipping or rust.
- Easy bit storage in handle.
- Accepts all standard 1/4" hex shank bits.



WRS-1

WILLIAMS

T-HANDLE RATCHETING SCREWDRIVER

Comfort Grip T-Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)
WRST1	3 7/8	2
WRST4	5 13/16	3 7/8
WRST8	9 13/16	7 7/8

Features

- Includes #2 Phillips® bit.
- Ergonomically designed T-Handle fits the palm and provides extra leverage.
- Hi-impact plastic handle for durability and flexibility in all types of work applications.
- Heavy-duty 3-way On-Off-Locked ratcheting mechanism allows consistent and smooth operation.
- Stainless steel shank eliminates problems of chrome chipping or rust.
- Accept all standard 1/4" hex shank bits.

Made in U.S.A.


WRST8

WRST1

WRST4

⚠ WARNING



SDR-24

WILLIAMS

SLOTTED SCREWDRIVERS

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
SDS-62	3 1/2	1 3/4	1/4
SDR-22	6 1/8	3	3/16
SDR-24	7 7/8	4	1/4
SDR-26	10 11/16	6	5/16
SDR-28	12 11/16	8	3/8
SDR-30	14 3/4	10	7/16
SDS-33	17 13/16	12	3/8

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.
- *SDS-33 features 3/8" heavy-duty square shank



SDE-46

WILLIAMS

ELECTRICIAN'S SCREWDRIVERS W/THIN BLADE

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
SDE-4	7 15/16	4	1/4
SDE-8	11 15/16	12	1/4
SDE-43	6 11/16	3	3/16
SDE-46	9 11/16	6	3/16
SDE-50	13 3/4	10	3/16
SDE-53	6 13/64	3	1/8

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.

WILLIAMS

SLOTTED SCREWDRIVERS

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24203	3 7/8	1 1/2	3/16
24205	7 3/4	4	3/16
24209	9 3/4	6	3/16
24215	12 11/16	9	3/16
24217	3 7/8	1 1/2	1/4
24219	8 1/4	4	1/4
24229	10 3/16	6	1/4
24237	10 9/16	6	5/16
24239	12 9/16	8	5/16
24241	12 9/16	8	3/8
24243	16 1/2	12	3/8

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Handle end shows size and style for easy identification.



WILLIAMS

SLOTTED SCREWDRIVERS W/CABINET TIP

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)
24201	6 11/16	4	1/8
24207	6 13/16	3	3/16
24211	9 3/4	6	3/16
24213	13 11/16	10	3/16

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Cabinet tip allows access to recessed screws.
- Handle end shows size and style for easy identification.



WILLIAMS

OFFSET SCREWDRIVERS

Cushion Grip Handle

Product Code	Overall Length (Inches)	Tip/Width
24101	4	Slotted 3/16 x PH1
24102	4	Slotted 1/4 x PH2
24103	6	Slotted 5/16 x PH3
24104	4	Phillips® # 1 x # 2
24105	8	Phillips® # 3 x # 4

Features

- Blades are made from special alloy steel for extra strength
- One piece tool steel construction
- Tips are 90 degree angled



⚠ WARNING



SDP-2-4

WILLIAMS®

PHILLIPS® SCREWDRIVERS W/ROUND BLADES

Premium Comfort Grip Handles and Blades

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
SDP-1-3	6 1/4	3	1
SDP-2-ST*	3 3/8	1 1/2	2
SDP-2-4	7 15/16	4	2
SDP-2-8*	12	8	2
SDP-3-6	10 1/2	6	3
SDP-4-6	10 3/4	6	4

* Does not have Bolster

Made in U.S.A.

Features

- Comfort-grip handle with thumb stop allow for added turning power without discomfort or slippage.
- Hi-polish chrome blades prevent corrosion and can be easily cleaned.
- Vapor-blasted tips grip fasteners and prevent chipping, extending tool life.
- Blades are made from special alloy steel for extra strength.



24251

24253

WILLIAMS®

PHILLIPS® SCREWDRIVERS

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	Point Size
24247	3 7/8	1 1/2	1
24249	5 11/16	3	1
24251	3 7/8	1 1/2	2
24253	8 1/4	4	2
24255	10 3/16	6	2
24257	12 1/8	8	2
24259	10 9/16	6	3

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Handle end shows size and style for easy identification.



24269

WILLIAMS®

TORX® SCREWDRIVERS

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Blade Length (Inches)	TORX® Size
24263	7 3/4	4	T10
24265	7 3/4	4	T15
24267	7 3/4	4	T20
24269	8 1/4	4	T25
24271	8 1/4	4	T27
24273	8 1/4	4	T30

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Handle end shows size and style for easy identification.

WILLIAMS

NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)
24401	7	3	3/16
24403	7	3	1/4
24405	7	3	5/16
24407	7	3	11/32
24409	7	3	3/8
24411	7	3	7/16
24413	7	3	1/2

24050 7 Piece Nutdriver Set in Carrying Caddy
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
24401	3/16	24409	3/8
24403	1/4	24411	7/16
24405	5/16	24413	1/2
24407	11/32		

Features

- Hollow shaft accommodates long bolts or studs.
- Precision machined socket end.
- Cushion grip handle for comfort.
- Size imprinted on color coded ends for easy identification.





24050

WILLIAMS

LONG SHAFT NUTDRIVERS, SAE

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (Inches)
24415	9	5	3/16
24416	9	5	1/4
24417	9	5	5/16
24418	9	5	11/32
24419	9	5	3/8
24420	9	5	7/16
24421	9	5	1/2
24422	9	5	9/16
24423	9	5	5/8

24051 9 Piece Nutdriver Set in Plastic Tray
Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)
24415	3/16	24420	7/16
24416	1/4	24421	1/2
24417	5/16	24422	9/16
24418	11/32	24423	5/8
24419	3/8		

Features

- Solid shaft accommodates long bolts or studs
- Precision machined socket end
- Cushion grip handle for comfort
- Size imprinted on color coded ends for easy identification



24051

⚠ WARNING





24061

WILLIAMS®

LONG SHAFT NUTDRIVERS, MM

Cushion Grip Handle

Product Code	Overall Length (Inches)	Blade Length (Inches)	Size (mm)
24451	9	5	4
24452	9	5	5
24453	9	5	5.5
24454	9	5	6
24455	9	5	7
24456	9	5	8
24457	9	5	9
24458	9	5	10
24459	9	5	11
24460	9	5	12
24461	9	5	13
24462	9	5	14

24061 12 Piece Nutdriver Set in Plastic Tray

Contents Include:

Product Code	Size (mm)	Product Code	Size (mm)
24451	4	24457	9
24452	5	24458	10
24453	5.5	24459	11
24454	6	24460	12
24455	7	24461	13
24456	8	24462	14

Features

- Solid shaft accommodates long bolts or studs
- Precision machined socket end
- Cushion grip handle for comfort
- Size imprinted on color coded ends for easy identification

WILLIAMS

72 PIECE BIT SET

Product Code	Description
24900	72 Piece Bit Set

Contents Include:

Hex

Product Code	Size	Length
24914	1/4	1"
24912	3/16	1"
24915	5/16	1"
24911	5/32	1"
24913	7/32	1"

Phillips

Product Code	Size	Length
24918	1	1"
24931	2	1"
24901	3	1"
24927	1	2"
24916	2	2"
24928	3	2"

Pozidriv

Product Code	Size	Length
24932	2	1"
24902	3	1"
24917	2	2"
24929	3	2"

Square

Product Code	Size	Length
24907	2	1"
24908	3	1"
24930	2	2"

Slotted Tip

Product Code	Size	Length
24903	6-8	1"
24904	8-10	1"
24905	10-12	1"
24906	12-14	1"
24936	8-10	2"
24937	10-12	2"
24938	12-14	2"

Torx

Product Code	Size	Length
24919	7	1"
24920	8	1"
24921	10	1"
24922	15	1"
24923	20	1"
24924	25	1"
24925	27	1"
24909	30	1"
24926	30	1"
24910	40	1"
24933	15	2"
24934	20	2"
24935	25	2"



24900

Nut Driver

Product Code	Size	Length
24941	1/4	1"
24944	11/32	1"
24940	3/16	1"
24945	3/8	1"
24943	5/16	1"
24939	5/32	1"
24946	7/16	1"
24942	9/32	1"

Hex Magnetic Holder

Product Code	Description
24947	Hex Magnetic Holder

Features

- S2 material for higher torque, optimum durability and performance.
- All parts are engineered and produced according to ANSI standard.
- The set also includes a magnetic bit holder allowing for quick change of driving bits.
- Folding case design is compact and robust with pivoting dual bit holders that allow for easy and quick access to the accessories
- Industrial case is made from a highly durable, plastic material



⚠ WARNING

PLIERS, CLAMPS & PIPE TOOLS

PLIERS

WIDE ASSORTMENT:

• LONG NOSE PLIERS WITH SIDE CUTTER
• HEAVY DUTY DIAGONAL CUTTER • LINEMAN'S PLIERS

COMFORT:

• BI-MOLD HANDLES PROVIDE COMFORTABLE GRIP, REDUCING HAND FATIGUE
• HIGH-LEVERAGE JOINT PLACEMENT INCREASES LEVERAGE TO REDUCE THE CUTTING FORCE NEEDED

PERFORMANCE:

• SAW-TOOTHED SERRATIONS PROVIDE A SOLID GRIP ON APPLICATION MATERIAL
• CUTTING EDGES STAY SHARP LONGER

CLAMPS

• I-BEAM DESIGN FOR GREATER STRENGTH AND LIGHTER WEIGHT
• DROP FORGED AND HEAT TREATED FRAMES FOR GREATER SAFETY AND STRENGTH
• COPPER PLATED SCREWS RESIST ADHERENCE OF WELDING SPLATTER

PIPE TOOLS

• ALUMINUM AND CAST IRON PIPE WRENCHES AVAILABLE IN SIZES UP TO 48"
• UNIVERSAL PIPE WRENCHES AVAILABLE IN LENGTHS UP TO 42"
• TUBING CUTTERS AND FLARING TOOLS ROUND OUT THE PRODUCT LINE

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS P.395

UTILITY SUPERJOINT PLIERS P.392

WILLIAMS LINEMAN'S PLIERS P.393

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS

17 PIECE COMBINATION PLIER SET

Product Code	Description
PLS-17	17 Piece Combination Plier Set

Contents Include:

Product Code	Description	Handle Type
23102	8" Slip Joint	Double Dipped Plastic Handles
23105	9 ¾" Groove Joint	Double Dipped Plastic Handles
23107	15 ¾" Groove Joint	Double Dipped Plastic Handles
23407	7" Heavy Duty Diagonal Cutting	Double Dipped Plastic Handles
23409	6 ¼" Bent Nose	Double Dipped Plastic Handles
23411	8" long nose	Double Dipped Plastic Handles
23503	8 ¼" Multi-Purpose Wire Cutter	Double Dipped Plastic Handles with Curved Wire Cutter
23542	5 ½" Mini Wire Cutter	Double Dipped Plastic Handles with Curved Wire Cutter
23603	9" Heavy Duty Linesman	Double Dipped Plastic and Bi-Mold Comfort Grip Handles
2628G-180	7" Ergo Side Cutting Combination	Ergonomically Designed Handles
2971G-250	10" Water Pump	Double Dipped Plastic Handles
2979D-180	7" Nut Gripping	Heavy Duty Design with PVC Grips
PL-146C	6 ½" Duck Bill	Double Dipped Plastic Handles
PL-167	7 ½" End Cutting	Double Dipped Plastic Handles
PL-211BC	11" Bent Nose	Double Dipped Plastic Handles
PL-211C	11" Long Reach Chain Nose	Double Dipped Plastic Handles
PL-411C	11" Extra Long Diagonal	Double Dipped Plastic Handles

Features

- Combines Bahco and Williams most popular pliers in a single set.
- Double-dipped platic handle grips are comfortable yet durable.
- ERGO handles provide maximum gripping comfort



PLS-17

WILLIAMS

6 PIECE GENERAL SERVICE PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
PLS-6A	6 Piece General Service Pliers Set

Contents Include:

Product Code	Description
PL-1519C	5" utility superjoint
PL-1520C	10" utility superjoint
PL-46C	6" diagonal cutting
PL-76C	6 1/2" chain nose side cutters
2628G-180	7" side cutting
23503	8 1/4" front-end stripper

Features

- Combines Williams' most popular pliers in to a single set.
- 6 piece set packaged in a pouch.



PLS-6A

⚠ WARNING



23054

WILLIAMS®

4 PIECE COMBINATION PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
23054	4 Piece Combination Pliers Set

Contents Include:

Product Code	Description
23106	11 3/4" groove joint pliers
23403	8" linesman pliers
23407	7" heavy-duty diagonal cutting pliers
23411	8" long nose pliers

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a bag.



23052

WILLIAMS®

4 PIECE COMBINATION PLIERS SET

Double-Dipped Plastic Handles

Product Code	Description
23052	4 Piece Combination Pliers Set

Contents Include:

Product Code	Description
23102	8" slip joint pliers
23105	9 3/4" groove joint pliers
23407	7" heavy-duty diagonal cutting pliers
23411	8" long nose pliers

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a bag.

WILLIAMS®

UTILITY SUPERJOINT PLIERS

Double-Dipped Plastic Handles

Features	Overall Length (Inches)	Maximum Opening (Inches)	Tip Width (Inches)
PL-1519C	5	1/2	3/16
PL-1520C	10	1 1/2	5/16
PL-1523C	12	2 5/8	1/2
PL-1524C	16	4	1/2

Made in U.S.A.

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.



PL-1524C

WILLIAMS®

GROOVE JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Maximum Jaw Opening (Inches)
23104	7	3/4
23105	9 3/4	1 7/8
23106	11 3/4	2 1/4
23107	16	4 3/4

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are phosphate finish for rust protection.
- Parallel jaw grip in all positions to maximum opening.



23104

WILLIAMS®

COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)
PL-6C	6	1 5/32	3/8
PL-8C	8	1 13/32	3/8
PL-10C	10	1 13/32	1/2

Made in U.S.A.

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.
- Shear type wire cutter extends tool use.



PL-8C

⚠ WARNING



23101

WILLIAMS®

COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23101	6 1/4
23102	8
23103	9 3/4

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- 2 position joint allows wide range of grip.
- Shear type wire cutter extends tool use.



PL-204C



PL-209X

WILLIAMS®

INDUSTRIAL GRADE LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-204C	Electrician's	7	1/2
PL-205C	Electrician's	8 1/2	17/32
PL-209X	New England	9 1/2	3/4

Made in U.S.A.

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished faces look good and resist corrosion.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Double-dipped plastic handle grips are comfortable yet durable.



PL-208



PL-209

WILLIAMS®

INDUSTRIAL GRADE LINESMAN'S PLIERS

Supplied Without Grips

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-208	Linesman's	8 1/2	17/32
PL-209	New England	9 1/2	3/4

Made in U.S.A.

Features

- Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges stay sharp longer.
- Diamond serrated jaws provide solid grip on wire.
- Supplied without grips - handles are bare steel.

WILLIAMS®

HEAVY-DUTY PIANO WIRE CUTTING LINESMAN'S PLIERS

Double-Dipped Plastic and Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Handle Style	Maximum Cutting Capacity (Inches)
23603	9	Double-Dipped	3/32 Piano Wire

Features

- Specially heat-treated for cutting piano wire and other hard wire.
- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23603

WILLIAMS®

STANDARD LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)
23402	7	1/2
23403	8	17/32

Features

- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23402

⚠ WARNING



PL-57C

PL-411C

WILLIAMS®

HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-57C	High Leverage Head	7 1/4	15/16
PL-411C	Extra Long Handle, Offset Head	11	1

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



PL-46C

WILLIAMS®

INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-44C	4	17/32
PL-45C	5	11/16
PL-46C	6	3/4
PL-47C	7	11/16

Features

Made in U.S.A.

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.
- Regular flush cutters are used for cutting hard wire.



PL-40CS

WILLIAMS®

FLUSH CUT DIAGONAL CUTTING PLIERS WITH SPRING

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PLM-1CS	4 1/4	17/32
PL-40CS	5	11/16

Features

Made in U.S.A.

- Handles are designed to cut wire with ease
- Polished heads resist rust and corrosion, extending the tool life
- Induction hardened cutting edges
- Flush cutters are used for close cutting of medium wire

WILLIAMS®

PLASTIC CUTTING DIAGONAL PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PL-48C	6 3/8	7/8
PL-49C	7 1/2	1 1/8

Features

Made in U.S.A.

- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.



PL-48C

WILLIAMS®

HEAVY-DUTY DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23406	6 1/4
23407	7

Features

- Jaws are polished with rust-protective coating.
- Wider, high leverage jaws for increased cutting power.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23407

WILLIAMS®

STANDARD DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)
23404	5 1/2
23405	6 1/4

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



23404

WILLIAMS®

END CUTTING NIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)
PLM-2C	4 1/2	15/32
PL-167	7 1/2	13/16

Features

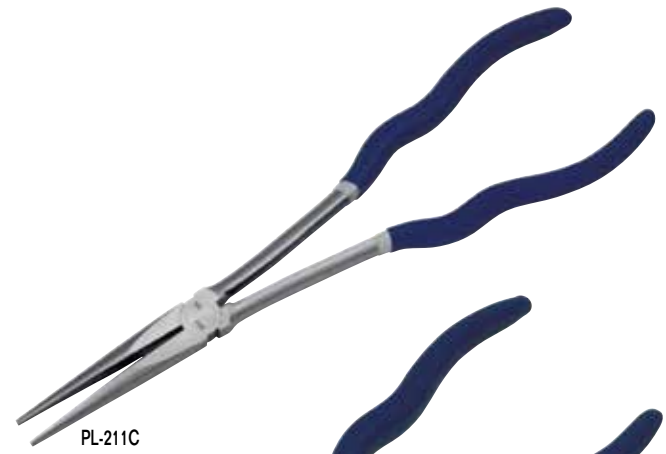
Made in U.S.A.

- Ideal for cutting wire or nails that are close to the work.
- Polished heads resist rust and corrosion, extending the tool life.
- The wide throat clearance, width of blades and angles of the cutting edges along with the handle leverage provide for easy, clean cutting or nipping.



PL-167

⚠ WARNING



PL-211C



PL-211BC



PL-98C

WILLIAMS®

EXTRA LONG REACH CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-211C	Straight Jaw	11	2 13/16
PL-211BC	45° Bent Nose	11	2 9/16

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Extra long handles provide access into confined areas and greater holding power at the tip.
- Bent nose model provides access to obstructed areas.

WILLIAMS®

HIGH LEVERAGE CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Width at Tip (Inches)
PL-98C	8	1 7/32	3/32

Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Longer handles for more convenient use and greater jaw gripping power.



WTC-11

WILLIAMS®

WIRE TWISTER / CUTTER

Produces Right Hand (clockwise) Twists

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Cutting Blade Length (Inches)
WTC-11	8.5	1 1/16	1/4

Made in U.S.A.

Features

- Diamond-shaped, flat top jaw serrations hold wire firmly and resist knicking material being worked on.
- Diagonal nose configurations & "mini" frame allows access in tight quarters.
- Automatic return feature retracts automatically, speeding up operation use and reducing operator fatigue.
- Heat-treated cutting edge holds it edge for cutting tough (up to .041) stainless steel and safety wire.
- One hand operation allows for operator closing and locking with minimum of handle force.
- High carbon alloy steel forging are used for maximum durability and long life.

WILLIAMS®

CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-95C	Short Nose w/cutter	5 1/2	1 5/32
PL-75C	Long Nose	6 3/4	2 5/16
PL-76C	Long Nose w/cutter	6 1/2	1 5/16
PL-77C	Extra Long Nose w/cutter	7 1/2	1 29/32

USA Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Diamond serrated jaws with industrial hardened cutting edges.



PL-95C



PL-75C

WILLIAMS®

THIN BENT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-126C	73° Bent Thin Nose	6 1/4	1 1/4

USA Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws for extra gripping power.
- 73° bent nose model featured thin jaws angled to reach around obstacles and hard-to-reach spaces.



PL-126C

WILLIAMS®

NEEDLE NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-114CS	Short Nose	4 1/2	1
PL-116C	Long Nose	7	2 3/16

USA Made in U.S.A.

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Serrated jaws provide extra gripping power.
- The PL-114CS short nose model is supplied with a spring and is designed for close, fine electrical and mechanical work.
- The PL-116C long nose model provides excellent gripping ability for use in tight, narrow places.



PL-114CS



PL-116C

⚠ WARNING



23409



23411

WILLIAMS®

LONG NOSE PLIERS WITH SIDE CUTTER

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)
23409	Bent Nose	6 1/4
23411	Straight Nose	8

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



PL-146C



PL-149C

WILLIAMS®

DUCK BILL PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)
PL-146C	Standard Jaw	6 1/2	2 1/16
PL-149C	High Leverage	8	1 1/4

USA Made in U.S.A.

Features

- Jaws are polished with rust-protective coating.
- Flat wide nose provides a better grip than the regular needle nose models.

WILLIAMS®

ELECTRICAL MINI PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Capacity (AWG)
23541	Mini Cutter	5 1/2	8
23542	Mini Stripper	5 1/2	8-18 Solid/10-22 Stranded
23543	Mini Crimper	5 1/2	10-22

23080 3 Piece Electrical Mini Pliers Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
23541	Mini Cutter	23543	Mini Crimper
23542	Mini Stripper		

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Cutter is hardened and precision-ground for cutting stranded and solid copper and aluminum wire.
- Stripper features up-front precision-ground stripping stations for exacting results in tight spaces.
- Crimper features front-end crimp pockets guaranteed to be free from burrs and sharp edges.



23541

23542

23543

WILLIAMS®

HEAVY DUTY FRONT END WIRE STRIPPERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)
23506	6 1/4	10-20	12-20
23518	6 1/4	14-24	16-26
23521	6 1/4	22-30	24-32

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work and reduce hand effort.
- Serrated gripping jaws in nose for use as pliers.
- 2-piece hardened steel pivot for long life service.
- Lock protects cutting edges in storage.



23506

WILLIAMS®

SUPER-DUTY FRONT END WIRE STRIPPERS WITH BOLT CUTTERS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Overall Length (Inches)	Capacity (AWG-solid wire)	Capacity (stranded wire)
23533	7 1/4	10-18	12-20
23535	7 1/4	20-30	22-32

Made in U.S.A.

Features

- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Longer, curved handles provide extra leverage and greater comfort.
- Serrated gripping jaws in nose for use as pliers.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.



23533

⚠ WARNING



23503



23524



23512



23515



23530



23527

WILLIAMS®

MULTI-PURPOSE COMBINATION WIRE TOOLS

Double-Dipped Plastic Handles with Curved Wire Cutter

Product Code	Description	Overall Length (Inches)	Nose Style
23503	Front-end Stripper	8 1/4	Serrated Pliers
23524	Front-end Crimper	8 3/4	Anvil Cutter

Made in U.S.A.

Features

- Crimp and strip wire sizes 10-22 AWG.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- 23503 cuts 6 bolt sizes: 4-40 / 5-40 / 6-32 / 8-32 / 10-32 / 10-24.
- 23524 cuts 5 bolt sizes: 4-40 / 6-32 / 8-32 / 10-32 / 10-24.

WILLIAMS®

ROMEX® STRIPPERS AND CUTTERS

Double-Dipped Plastic Handles with Staggered Type Strippers

Product Code	Description	Overall Length (Inches)	Stripper Sizes (AWG)
23512	Dual Romex®	7 3/4	12-2 / 14-2 NM-B
23515	10-2 Heavy Duty	7 3/4	10-2 NM-B

Made in U.S.A.

Features

- Staggered cutting design produces cleaner cuts with less effort.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.
- Serrated gripping jaws in nose for use as pliers.

WILLIAMS®

COAX CABLE MULTI TOOL

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Stripper Sizes (AWG)
23530	Coax Cable Tool	8 1/2	RG6 / RG59

Made in U.S.A.

Features

- Cut, strip, and crimp popular RG6 and RG59 coax cable sizes with one tool.
- Curved cutting blade cuts cleanly with less effort.
- Instructions provided on the tool for easy operation.

WILLIAMS®

4-IN-1 DATACOM WIRE CUTTER

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutter Type
23527	4-in-1 Multi Purpose Data-com Wire Cutter	7 3/4	Anvil / Curved / Shear

Made in U.S.A.

Features

- Cuts solid and stranded copper electrical wire/cable and multi-conductor communications wire.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.
- Wire looping holes in jaws for speedy component assembly.
- Anvil cutter at nose allow nipping wire in close quarters, while 5/8" capacity curved cutter maintain cable shape.
- Steel wire-shear easily cuts steel reinforced coax.

WILLIAMS®

LOCKING PLIERS AND SET

Bi-Mold Comfort Grip Handles

Product Code	Overall Length (Inches)	Style
23201	5	Curved Jaw with Cutter
23202	7	Curved Jaw with Cutter
23203	10	Curved Jaw with Cutter
23210	7	Straight Jaw
23211	10	Straight Jaw
23220	6	Long Nose with cutter
23221	9	Long Nose with cutter

Locking Pliers Sets

Product Code	Description
23070	3 Piece Locking Pliers Set with Bi-Mold Comfort Grip Handles

Contents Include:

Product Code	Description
23201	5" Curved Jaw Locking Pliers with Cutter
23202	7" Curved Jaw Locking Pliers with Cutter
23203	10" Curved Jaw Locking Pliers with Cutter

Product Code	Description
23071	3 Piece Locking Pliers Set with Bi-Mold Comfort Grip Handles

Contents Include:

Product Code	Description
23203	10" Curved Jaw Locking Pliers with Cutter
23210	7" Straight Jaw Locking Pliers
23220	6" Long Nose Locking Pliers with Cutter

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Convenient one-hand release lever.
- Heavy-duty jaw surfaces provide extra gripping power.
- Packed in a pouch.



23201



23210



23220



23070



23071

⚠ WARNING



23303



23305



23309



23320



23222



23072



23074

23076

WILLIAMS®

LOCKING PLIERS

Curved Jaw with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)
23301	5
23302	7
23303	10

Straight Jaw Locking Pliers

Product Code	Overall Length (Inches)
23304	7
23305	10

Long Nose with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)
23309	6
23310	9

Locking C-Clamps

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)
23320	6	1¼"	450
23321	11	2¼"	900

Locking C-Clamps wth Swivel Pad

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)
23222	6	1 5/16"	450
23223	9	2 3/16"	900
23224	11	2¼"	900
23225	14	4½"	700

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power

WILLIAMS®

LOCKING PLIERS SETS

23072 3 Piece Locking Pliers Set

Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23302	7" Curved Jaw Locking Pliers with Cutter
23303	10" Curved Jaw Locking Pliers with Cutter

23074 4 Piece Locking Pliers Set

Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23303	10" Curved Jaw Locking Pliers with Cutter
23309	6" Long Nose with Wire Cutter
23310	9" Long Nose with Wire Cutter

23076 5 Piece Locking Pliers Set

Contents Include:

Product Code	Description
23301	5" Curved Jaw Locking Pliers with Cutter
23302	7" Curved Jaw Locking Pliers with Cutter
23305	10" Straight Jaw
23310	9" Long Nose with Wire Cutter
23320	6" Locking C-Clamp

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power

WILLIAMS

SNAP RING PLIERS

Double-Dipped Plastic Handles

Product Code	Tip Size	Tip Angle (Degree)
PL-1620	0.038	0°
PL-1621	0.038	45°
PL-1622	0.038	90°
PL-1623	0.047	0°
PL-1624	0.047	45°
PL-1625	0.047	90°
PL-1626	0.070	0°
PL-1627	0.070	45°
PL-1628	0.070	90°
PL-1629	0.000	0°
PL-1630	0.090	45°
PL-1631	0.090	90°

Combination Internal/External Snap Ring Pliers Set
Pliers set in a plastic carrying case

Contents Include:

Product Code	Description
PL-1612	12 Piece Combination Internal/External Snap Ring Pliers Set

Set includes 1 each Snap Ring Plier listed above

Combination Internal/External Snap Ring Pliers Set
Pliers set in a plastic carrying case

Contents Include:

Product Code	Description
PL-1606	6 Piece Combination Internal/External Snap Ring Pliers Set

Set includes 1 each Snap Ring Pliers, PL-1620, PL-1622, PL-1623, PL-1625, PL-1626, PL-1628

Features
- Cushioned grip handles
- Pliers are convertible for use on internal and external snap rings
- Knurled center screw with spring for easy changing and secure hold

Made in U.S.A.



PL-1622



PL-1620



PL-1621


PL-1612


PL-1606

⚠ WARNING



PL-1600C-1



PL-1600C-2



23801



23803

WILLIAMS®

RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Description	Minimum Opening (Ctr. To Ctr.)	Maximum Opening (Ctr. To Ctr.)	Tips Included (Each Plier Includes 2 of Each)
PL-1600C-1	Internal pliers with tips	3/32	25/32	0.035" 90° 0.045" 45° 0.045" Straight 0.060" Straight
PL-1600C-2	External pliers with tips	3/32	1 1/32	

Snap Ring Pliers Set

Product Code	Description
PL-1600C	Snap Ring Pliers Set

Contents Includes:

Product Code	Description
PL-1600C-1	PL-1600C-1 Internal Pliers
PL-1600C-2	PL-1600C-2 External Pliers

Replacement Tip Set Contents Includes:

Product Code	Description
PL-1600C-3	16 Piece Replacement tip set

Features

Made in U.S.A.

- Internal snap rings designed for use in housings, boxes, etc with bore diameters .375 to 1.750 inches.
- External snap rings designed for use in shafts, studs, etc with shaft diameters .250 to 1.438 inches.
- PL-1600C-1 and PL-1600C-2 each supplied with 8 tips (2 each: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips).
- Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- Tips heat treated for a secure grip.
- Pliers provided with cushion grip handles.
- Set consists of one internal and one external snap ring pliers and 16 tips in a pouch.
- Tip set includes 4 each of interchangeable tips: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips.

WILLIAMS®

CONVERTIBLE RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Capacity (Max. Ring Dia.)	Tips Included (Includes 2 of Each)
23801	2"	0.038" Straight Tips (Yellow) 0.038" 90° Tips (Yellow) 0.047" Straight Tips (Green) 0.047" 90° Tips (Green) 0.070" Straight Tips (Copper)
23803	1"	0.024" Straight Tips (Red) 0.038" Straight Tips (Yellow) 0.038" 90° Tips (Yellow) 0.047" Straight Tips (Green) 0.047" 90° Tips (Green)

Retaining Ring Pliers Set

Product Code	Description
23092	Retaining Ring Pliers Set

Contents Includes:

Product Code	Description
23801	2" Capacity Retaining Ring Pliers
23803	1" Capacity Retaining Ring Pliers

Replacement Tip Kits Contents Includes:

Product Code	Description
23802	Replacement Tip Kit Only for 23801
23804	Replacement Tip Kit Only for 23803

Features

Made in U.S.A.

- Easily convert for use on internal and external rings by moving convenient adjusting levers.
- Each pliers includes five pairs of color-coded tips for maximum versatility.
- Hex-shaped locking guides firmly hold tips in place.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work.

WILLIAMS

HEAVY DUTY RETAINING RING PLIERS & TIPS

Double-Dipped Plastic Handles

Product Code	Description	Minimum Opening (Ctr. To Ctr.)	Maximum Opening (Ctr. To Ctr.)	OAL
PL-527	Internal snap ring pliers	5/16	1 13/32	9 ½
PL-528	External snap ring pliers	11/32	1 17/32	9 ½

Tips for Heavy Duty Retaining Ring Pliers

Product Code	Description (Includes 2 each)	Product Code	Description (Includes 2 each)
PL-529A	0.108" Straight Tips	PL-530A	0.120 Straight Tips
PL-529B	0.108" 15° Tips	PL-530B	0.120 15° Tips
PL-529C	0.108 45° Tips	PL-530C	0.120 45° Tips
PL-529D	0.108 90° Tips	PL-530D	0.120 90° Tips

Heavy Duty Retaining Ring Pliers Set PL-529

Product Code	Contents Include:
PL-527	Internal snap ring pliers
PL-528	External snap ring pliers

Set includes 2 each of heavy duty tips listed above



PL-529

Made in U.S.A.

Features

- Internal snap rings designed for use in housings, boxes, etc.
- External snap rings designed for use in shafts, studs, etc.
- Pliers supplied with spring ratchet lock assembly which allows the ring to be compressed or expanded with gradual adjustments which lock at the desired size without continued pressure on the handles.
- Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- Tips heat treated for a secure grip.
- Tips not provided with pliers when pliers are ordered individually.
- Overall length without tips.



PL-531

WILLIAMS

FIXED TIP RETAINING RING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Diameter (Inches)	Minimum Jaw Opening (Inches)	Maximum Jaw Opening
Internal					
PL-531	5 1/2	7/8	0.038	3/32	2 3/8
PL-532	6 1/2	1	0.070	3/32	2 31/32
External					
PL-533	6 1/2	7/8	0.038	3/32	1 1/32
PL-534	7	2 1/16	0.070	3/32	1 1/4



PL-532

Made in U.S.A.

Features

- Internal - used for installing and removing internal retaining rings in a bore without damage to the ring.
- External - used for installing and removing external retaining rings on a shaft without damage to the ring.
- Manufactured from high carbon, heat treated steel.
- Designed for accurate fit and long wear by precision forming and induction hardening.
- Finished with black oxide coating.



PL-534



PL-533

WILLIAMS

LOCKING RING PLIERS

Black Jaws

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Width at Tip (Inches)
PL-1515	8	1 3/8	5/16



PL-1515

Made in U.S.A.

Features

- For spreading horseshoe lock washers and steel lock rings used on gear and bearing shafts.

⚠ WARNING



CC-406C

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402C	2	2 11/32	1/2	3500
CC-403C	3	2 3/4	1/2	3500
CC-404C	4	3 3/16	3/4	6500
CC-406C	6	4 1/8	3/4	6900
CC-408C	8	5 3/16	3/4	6900
CC-410C	10	6	3/4	8000
CC-412C	12	6 1/2	7/8	9500

Features

Made in U.S.A.

- Copper plated screw resists weld splatter.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to “springing”.



CC-406S

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Standard Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Min Test Load (lbs)
CC-402S	2	2 11/32	1/2	3500
CC-403S	3	2 3/4	1/2	3500
CC-404S	4	3 3/16	3/4	6500
CC-406S	6	4 1/8	3/4	6900
CC-408S	8	5 3/16	3/4	6900
CC-410S	10	6	3/4	8000
CC-412S	12	6 1/2	7/8	9500

Features

Made in U.S.A.

- Black threaded screw with T-handle.
- Drop-forged and heat treated for maximum strength and greater rigidity.
- I-Beam design for extra strength.
- Highly resistant to “springing”.

WILLIAMS®

DROP FORGED C-CLAMPS

Deep Throat Design, Copper Plated Screw

Product Code	Capacity (Inches)	Throat Depth (Inches)	Screw Diameter (Inches)	Working Load (lbs)	Max. Hand Load (lbs)	Frame Proof Load (lbs)
20002	2	2-1/4	9/16	2000	2600	3500
20003	3	2-7/16	9/16	2400	2880	3500
20004	4	3-1/4	11/16	2800	4480	6500
20006	6	4-1/16	3/4	3400	4700	6900
20008	8	5	3/4	4000	4930	6900
20010	10	6	7/8	5000	5500	8000
20012	12	6-1/2	7/8	6000	7000	9500

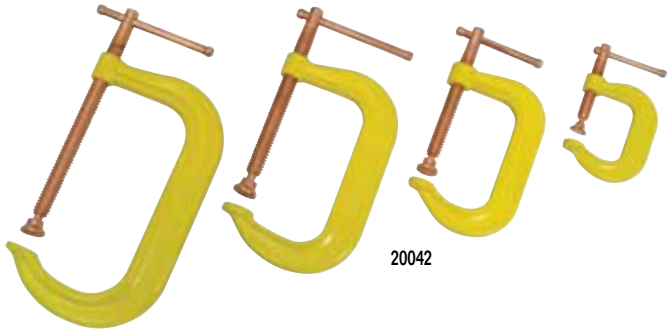
C-Clamp Set

Product Code	Contents Include:
20042	4 Piece C-Clamp Set. Includes sizes 2", 4", 6", and 8"

Features

- Copper plated screw resists weld splatter
- Drop-forged and heat treated for maximum strength and greater rigidity
- I-Beam design for extra strength
- Powder coated frame resists rust
- "Safety Yellow" color makes clamps easy to locate in dark work areas


20008


20042

WILLIAMS®

HEAVY SERVICE C-CLAMPS

Deep Throat Design, Standard Screw

Product Code	Maximum Capacity (Inches)	Minimum Capacity (Inches)	Throat Depth From Center (Inches)	Exterior Body Width (Inches)	Screw Diameter (Inches)	Screw Length Under Head (Inches)	Min Test Load (Lbs.)
CC-1AAW	1 3/8	0	1 1/8	2 23/32	13/32	2 7/16	5,600
CC-1 1/2AAW	1 7/8	0	1 21/32	3 19/32	5/8	3 1/4	8,750
CC-2AAW	2 11/32	0	1 7/8	4 1/4	23/32	4 1/8	12,500
CC-3AAW	3 7/16	1/8	2 13/32	5 3/4	27/32	4 7/8	16,250
CC-3LAAW **	3 7/16	0	2 1/2	5 3/4	27/32	5 3/4	16,250
CC-4AAW	4 21/32	17/32	2 7/8	6 1/4	27/32	6	20,000
CC-4LAAW **	4 21/32	0	2 7/8	6 1/4	27/32	7 1/4	20,000
CC-5AAW	5 5/8	1/2	3 1/8	7	27/32	7 1/4	23,800
CC-5LAAW **	5 5/8	0	3 1/8	7	27/32	8 7/8	23,800
CC-6AAW	6 1/2	1 5/32	3 1/2	7 1/2	1 3/32	8	27,500
CC-6LAAW **	6 1/2	0	3 1/2	7 1/2	1 3/32	10	27,500
CC-8AAW	8 1/2	4	3 11/16	8 1/2	1 3/32	7 1/8	31,250
CC-8LAAW **	8 1/2	0	3 11/16	8 1/2	1 3/32	11 5/8	31,250
CC-10AAW	10 3/8	5 3/8	4 3/8	8 1/2	1 3/32	7 3/4	35,000
CC-10LAAW **	10 3/8	0	4 5/16	8 1/2	1 3/32	14 3/8	35,000
CC-12AAW	12 3/8	7 1/4	4 7/16	9 1/2	1 3/32	8 1/4	40,000
CC-12LAAW **	12 3/8	0	4 1/4	9 1/2	1 3/32	16 7/16	40,000

** Where zero capacity is desired, the clamps with long screws should be ordered. These are indicated with an "L" in the product code.

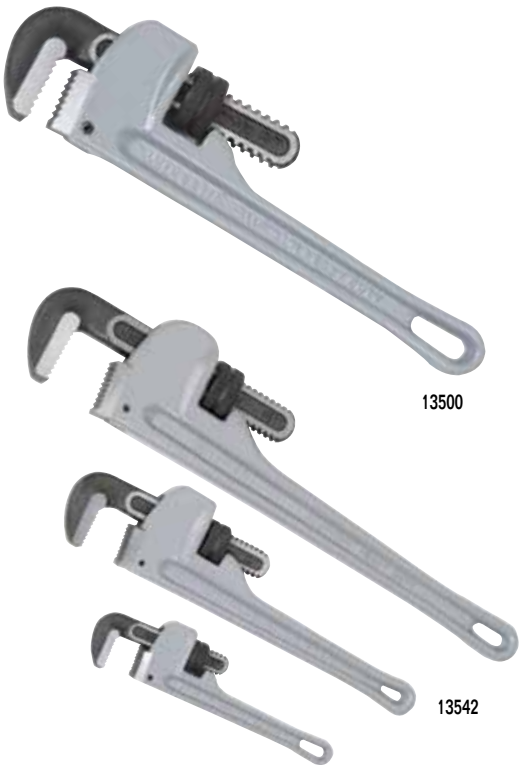
USA Made in U.S.A.


CC-4AAW

Features

- Especially designed for heavy duty service, frames are drop-forged and heat-treated for maximum strength and reduced springing
- Screws are made of special grade steel and are heat-treated for added strength not found in typical case-hardened screws
- To tighten, the square headed screw must be turned with a wrench
- Ideal for the most demanding applications such as construction and heavy industry
- Square head screw allows tightening with wrench for extra heavy duty clamping requirements
- Greater anvil surface for gripping larger work pieces and for greater stability

⚠ WARNING



WILLIAMS®

PIPE WRENCHES

Aluminum, Heavy Duty

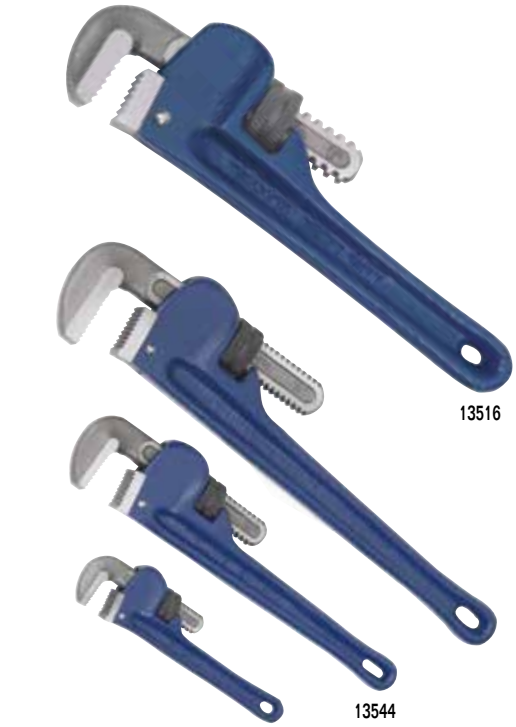
Product Code	Overall Capacity (Inches)	Maximum Jaw Opening (Inches)	Spare Parts Hook Jaw	Heel Jaw & Pin	Knurl Nut
13500	8	1 5/16	13551	13567	13571
13502	10	1 5/8	13552	13562	13572
13504	12	2 1/8	13553	13563	13573
13506	14	2 9/16	13554	13564	13574
13508	18	3 1/8	13555	13565	13575
13510	24	3 3/4	13556	13566	13576
13512	36	5	13557	13568	13577
13514	48	6	13558	13569	13578

Pipe Wrench Set

Product Code	Contents Include:
13542	3 Piece Aluminum Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Aluminum pipe wrenches are approximately 40% lighter than cast iron.
- Heavy duty construction for strength and durability.
- Scale on wrench indicates pipe diameter.



WILLIAMS®

PIPE WRENCHES

Cast Iron, Heavy-Duty

Product Code	Overall Capacity (Inches)	Maximum Jaw Opening (Inches)	Spare Parts Hook Jaw	Heel Jaw & Pin	Knurl Nut
13516	6	7/8	13550	13560	13570
13518	8	1 5/16	13511	13567	13571
13520	10	1 5/8	13552	13562	13572
13522	12	2 1/8	13553	13563	13573
13524	14	2 9/16	13554	13564	13574
13526	18	3 1/8	13555	13565	13575
13528	24	3 3/4	13556	13566	13576
13530	36	5	13557	13568	13577
13532	48	6	13558	13569	13578

Pipe Wrench Set

Product Code	Contents Include:
13544	3 Piece Cast Iron Pipe Wrench Set. Includes 8", 12", and 18" wrenches

Features

- Heavy duty construction for strength and durability
- Scale on wrench indicates pipe diameter

WILLIAMS

FLANGE-JACKS

Tremendous Pressure With Minimum Effort

Product Code	Flange Diameter Capacity * 125 Pound Cast Iron	* 150 Pound Cast Iron	* 250 Pound Cast Iron	* 300 Pound Cast Iron
FJ-20	2 to 20	2 to 20	1 to 12	3/4 to 12
FJ-30	16 to 48	18 to 24	12 to 30	12 to 24

Made in U.S.A.

Features

- Ideal for working on pipe lines and other applications involving flanges.
- Makes gasket removal fast and easy.
- Flanges are separated smoothly and evenly without damage to flange faces.
- Flange jacks are sold only in pairs.
- Eliminates danger from flying wedges and sparks caused by hammer blows.
- Ideal for hard to reach locations.



FJ-20

FJ-30

WILLIAMS

STRAP WRENCH

Aluminum Handle

Product Code	Handle Length (Inches)	Maximum Diameter (Inches)	Strap Size (Inches)
40221	12	8	1 1/8 x 30

Features

- Use on irregularly shaped objects where other wrenches won't work.
- Useful for turning handwheels and other knurled handles.
- Reduces risk of damage on plastic pipe and tubing.
- Strap is made out of cotton.



40221

WARNING



CT13



CT-13-1



CT-13-4



CW-4



40223

WILLIAMS

CHAIN PIPE TONGS

The Original Williams Chain Pipe Tong

Product Code	Pipe Minimum Diameter (Inches)	Pipe Maximum Diameter (Inches)	Tong Length (Inches)	Chain Length (Inches)
CT-12	1/4	2 1/2	27	18 1/2
CT-13	3/4	4	38 1/8	25
CT-13-1/2	1	6	46 1/4	33
CT-14	1 1/2	8	50 1/2	40 3/4
CT-15	2	12	67	56

Features

Made in U.S.A.

- Chain swings from the center and can be used on either side of the jaws, reducing tooth wear.
- Flat link chains are heat-treated for greater strength and reliability.
- Fully adjustable to fit any shape pipe.

Replacement Parts for Pipe Tongs

Product Code	Replacement Jaw Sets Product Code	Replacement Chain Assembly Product Code	Length (Inches)	Loading Capacity
CT-12	CT-12-4	CT-12-1	18 ½	13,800
CT-13	CT-13-4	CT-13-1	25	17,600
CT-13 1/2	CT-13-1/2-4	CT-13-1/2-1	33	20,000
CT-14	CT-14-4	CT-14-1	40 ¾	22,000
CT-15	CT-15-4	CT-15-1	56	31,000

Features

Made in U.S.A.

- Chain is heat-treated after assembly which results in a 40 % increase in strength as well as an extended chain life and improved performance.
- Jaws are drop forged from carbon steel and heat treated to provide the strength and reliability expected from Williams pipe tools.

WILLIAMS

PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Minimum - Maximum (Pipe Size)	Handle Length (Inches)	Chain Length (Inches)
CW-4	3/8 - 4	11	15

Features

Made in U.S.A.

- Forged handle is fully heat-treated.
- Ideal for use in close quarters and where space is at a premium.
- Successive “bites” can be taken without removal of wrench from the work piece.
- Fully adjustable to fit any shape pipe.

WILLIAMS

PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter Capacity	Handle Length (Inches)	Chain Length (Inches)
40222	4	12	16
40223	5	15	19
40224	6	24	23

Features

- Forged strong I Beam handle.
- Designed for working in confined areas when regular pipe wrenches will not fit, excellent for pipe fittings.
- Portable and lightweight can be used for overhead and underground work.

WILLIAMS

5/8" CAPACITY MINI-TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43603	Mini-Tubing Cutter	1/8 to 5/8	1 3/4
43613	Replacement Cutter Wheel for 43603 (Pack of 5)		

Features

Made in U.S.A.

- Designed for use in tight access areas.
- Enclosed feed screw assures smooth operation by minimizing contamination.
- Corrosion resistant stainless steel rollers produce easier, smoother cuts.



43603

WILLIAMS

1-1/8" CAPACITY TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43605	1 1/8" Tubing Cutter	1/8 to 1 1/8	5
43611	General Purpose Replacement Cutter Wheel (Pack of 10)		
43615	Optional Cutter Wheel for Stainless Steel (Pack of 5)		

Features

Made in U.S.A.

- Enclosed hardened steel thrust-bearing mechanism assures smooth cuts and reliable operation.
- Rugged aluminum alloy body looks good and handles well.
- Foldaway hardened steel reamer removes inside burrs cleanly.
- Includes (2) general-purpose cutter wheels.



43605

WILLIAMS

2-5/8" CAPACITY TUBING CUTTER

For Hard or Soft Copper Tubing, Brass, Stainless Steel, etc.

Product Code	Description	Cutting Capacity (Inches)	Overall Length (Inches)
43607	2 5/8" Tubing Cutter	3/8 to 2 5/8	7 3/4 (Closed)
43617	General Purpose Replacement Cutter Wheel for 43607 (Pack of 5)		
43616	Optional PVC Cutter Wheel for 43607 - Cuts Schedule 40 PVC up to 2" Diameter (Pack of 5)		

Features

Made in U.S.A.

- Ratchet feed mechanism speeds up cutting operations while extra-wide rollers stabilize the tubing.
- Light-weight aluminum body.
- Spare cutting wheel included under cap.
- Cuts Schedule 40 PVC pipe up to 2" diameter with optional 43616 cutter wheel.



43607

⚠ WARNING



43631

WILLIAMS

45° SINGLE FLARING TOOL

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43631	45° Single Flaring Tool	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, & 5/8

Made in U.S.A.

Features

- For soft copper, aluminum, and brass tubing.
- Forged steel yoke and hardened flaring bar for durability.
- Positive clamping action prevents tube slippage.
- Self-centering yoke with swivel-type, hardened steel, chrome-plated flaring cone forms better flares with less effort.
- Chrome plated to resist rust and corrosion.



43633



WILLIAMS

45° DOUBLE FLARING TOOL

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43633	45° Double Flaring Tool	3/16, 1/4, 5/16, 3/8, & 1/2

Made in U.S.A.

Features

- Recommended for Bundy and other annealed soft steel tubing (wall thickness to .035").
- Also makes single or double flares in soft copper and aluminum tubing.
- Small, lightweight, and easy to handle.
- Forged steel yoke and hardened flaring bar for durability.
- Swivel-type, hardened steel, chrome-plated flaring cone forms better flares with less effort.
- Chrome plated to resist rust and corrosion.



43621

WILLIAMS

TRIPLE-HEAD TUBING BENDER

For Soft Tubing

Product Code	Description	O.D. Capacity (Inches)
43621	Triple-Head Tube Bender	3/16, 1/4, 5/16, & 3/8

Made in U.S.A.

Features

- For copper, aluminum, and thin-wall steel tubing.
- Calibrated markings for making accurate left, right, and offset bends.
- 90° start requires less effort, making bending fast and easy.

WILLIAMS®

TIGHT-GRIP PIPE NIPPLE REMOVER & INSTALLER KITS

Remove and Install Pipe Nipples Without Thread Damage

Product Code	Description
87025	Pipe Nipple Remover / Installer Kit for 1/8", 1/4", and 3/8" NPT Pipe Nipples

Kit Includes:

87035	Stud Remover / Installer Housing
87036	Collet, 1/8" NPT
87037	Collet, 1/4" NPT
87038	Collet, 3/8" NPT

Product Code	Description
87026	Pipe Nipple Remover / Installer Kit for 1/2" and 3/4" NPT Pipe Nipples

Kit Includes:

87039	Stud Remover / Installer Housing
87040	Collet, 1/2" NPT
87041	Collet, 3/4" NPT

Product Code	Description
87027	Pipe Nipple Remover / Installer Kit for 1" and 1 1/4" NPT Pipe Nipples

Kit Includes:

87042	Stud Remover / Installer Housing
87043	Collet, 1" NPT
87044	Collet, 1 1/4" NPT

Made in U.S.A.

Features

- Remove pipe nipples and other lengths of pipe without damaging pipe threads.
- Collet is placed in housing and threaded over pipe. Draw bolt is then used to clamp tool onto nipple for secure removal or installation.
- Nipples and other lengths of pipe may be reused.
- Essential when working with decorative brass, bronze, and stainless piping.
- Ideal for working in confined areas where a pipe wrench will not fit.



The Tight-Grip Nipple Tool in use. One wrench holds the housing in place while the other wrench turns the top nut, clamping the collet and housing assembly onto the nipple. The housing, collet, and nipple then turn as one.



87025



87026



87027

WILLIAMS®

PLASTIC AND RUBBER HOSE CUTTER

Compact and Light

Product Code	Description	Replacement Cutting Wheel
43618	Plastic and rubber hose cutter	43619

Made in U.S.A.

Features

- Cuts plastic tubing and non-metal reinforced hose.
- Cuts sizes 1/16" to 1/2" and 1mm to 13mm O.D.
- Spring loaded for safety.
- Weighs only one ounce.



43618

⚠ WARNING

HAMMERS, PUNCHES, CHISELS, PRYBARS, KNIVES & LIGHTING

HAMMERS

• LARGE VARIETY INCLUDING DEADBLOW, BALL PEIN AND SLEDGE HAMMERS
• HEAVY DUTY CONSTRUCTION FOR STRENGTH AND DURABILITY USING SPECIALLY SELECTED STEEL AND MANUFACTURING PROCESSES

PUNCHES, CHISELS AND PRYBARS

• HEAVY DUTY INDUSTRIAL GRADE CONSTRUCTION FOR VARIOUS APPLICATIONS
• COMFORT GRIP HOLDER FOR SAFE USE
• PRYBARS DESIGNED FOR POWERFUL LEVERAGE UP TO 24' IN LENGTH

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



DEADBLOW SLEDGE HAMMER P.421



LIGHTWEIGHT HANDLE PRY BAR P.429



PILOT PUNCHES P.427

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS®

DEADBLOW HAMMERS

Ergonomically Designed Handles

Product Code	Weight (ozs.)	Overall Length (Inches)	Head Length (Inches)	Face Diameter (Inches)
JHW-16	16	12	3 1/4	1 9/16
JHW-24	24	12 3/4	3 3/4	1 3/4
JHW-32	32	13 1/2	4 1/4	2
JHW-48	48	15	4 3/4	2 1/4
JHW-56	56	15 3/4	5 7/16	2 3/4

Features

- Hard urethane construction resists cut damage to hammer head
- Head provides a non-marring contact surface that will not damage equipment
- Deadblow feature minimizes hammer bounce back, reducing fatigue and improving productivity.

Made in U.S.A.



JHW-24

WILLIAMS®

EXTREME POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Weight (ozs.)	Head Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
HPDX-1	16	12 1/2	17	1 1/2
HPDX-2	32	13 3/4	18 3/4	2
HPDX-3	48	14 1/2	20	2 1/4
HPDX-4	64	15 1/2	21 3/4	2 5/8

Features

- Urethane face greatly improves durability
- Durable design for a long lasting hammer.

Made in U.S.A.



HPDX-2

WILLIAMS®

POWER DRIVE HAMMERS

Fiberglass Handles with Cushion Grip and Shot-Filled Heads

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
HPD-1	16	9 5/8	12 1/2	1 1/2
HPD-2	32	10 3/4	13 7/8	2
HPD-3	48	10 3/4	14 1/8	2 1/4
HPD-4	64	10 3/8	15 1/4	2 5/8

Features

- Shot-loaded head delivers more striking force per blow and reduces vibration as well as rebound.
- Cushion grip handle provides greater comfort and safety.
- Durable design for a long lasting hammer.

Made in U.S.A.



HPD-2




20543

WILLIAMS®

BALL PEIN HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)
20542	8	9 1/2	10 3/4	7/8
20543	12	10 1/4	11 3/4	7/8
20544	16	11 1/4	13	1 7/8
20545	24	13	15	1 1/4
20546	32	12 3/4	15	1 1/4

Features

- Ideal for driving punches, chisels and other metal work.
- Fiberglass handle has a cushion grip for greater comfort and safety.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness and uniformity.


HBP-4A

WILLIAMS®

BALL PEIN HAMMERS

Wood Handle

Product code	Head Weight (ozs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
HBP-5-0A	4	9 3/8	10 7/16	3/4
HBP-3-0A	8	10 1/2	11 3/4	1
HBP-2-0A	12	11 1/8	12 1/2	1 1/8
HBP-0A	16	12 1/8	13 5/8	1 1/4
HBP-2A	24	13 1/4	15 1/8	1 1/2
HBP-4A	32	13 1/4	15 3/16	1 1/2
HBP-6A	40	13 5/16	15 5/16	1 5/8
HBP-8A	48	13 1/2	15 3/8	1 7/8

Features

Made in U.S.A.

- Ideal for driving punches, chisels and other metal work.
- Wooden handles, which are made from white hickory and clear lacquered, are permanently wedged in to the heads.
- Hammer heads are drop-forged from specially selected steel and carefully heat treated for dependable strength, hardness, and uniformity.
- Polished Face, Bevel & Pein

WILLIAMS®

DRILLING HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20678	32	8 ½	10 ¼

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.



20678

WILLIAMS®

CROSS PEIN HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20651	48	13	15 ¾

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.



20651

WILLIAMS®

CLAW HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Style	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)
20402	Ripping Claw	16	10 ¾	13
20401	Curved Claw	20	10 ¾	13

Features

- Handles are durable and comfortable.
- Heavy duty construction for strength and durability.



20401





HSB-3.8AA

WILLIAMS®

BRASS HAMMERS

Fiberglass Handles with Cushion Grip

Product code	Weight (lbs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
HSB-1.5A	1-½	10	12	1
HSB-2.6A	2-½	10	12	1-¼
HSB-3.8A	3-¾	10	12	1-⅝

Features

Made in U.S.A.

- Ideal for applications which require non-sparking conditions.
- The flat surface brass head absorbs impact blows, reduces rebound and helps eliminate marred work surfaces.
- Non-slip cushion grip provides greater comfort and safety.



HSF-8SET

WILLIAMS®

8 PIECE SOFT-FACE HAMMER BODY AND TIP SET

Fiberglass Handles with Cushion Grip

Product Code	Description
HSF-8SET	8 Piece Soft Face Hammer Body and Tip Set

Contents Include:

Product Code	Weight Class	Head Length (Inches)	Handle Length (Inches)	Overall Length (Inches)	Head Diameter (Inches)
HSF-151A	16 oz.	1 ½	12 ½	14	1 ½

Product Code	Hardness	Tip Diameter (Inches)	Color
HSF-15S	Soft	1 ½	Brown
HSF-15M	Medium	1 ½	Red
HSF-15N	Medium Hard	1 ½	Cream
HSF-15H	Hard	1 ½	Black
HSF-15SS	Steel	1 ½	Steel
HSF-15B	Brass	1 ½	Brass
Plastic Storage Case			

Features

Made in U.S.A.

- Handles are durable and comfortable
- Heavy duty construction for strength and durability
- Six interchangeable heads meet a number of various applications, including non-marring and non-sparking applications with selected head surfaces

WILLIAMS®

SOFT-FACE AND SHOT FILLED SOFT-FACE HAMMER BODY

Fiberglass Handles with Cushion Grip

Product Code	Weight Class (ozs.)	Head Length (Inches)	Handle Length (Inches)	Overall Length (Inches)	Head Diameter (Inches)
HSF-202A **	40	4 1/8	10 3/4	13 1/2	2
HSF-100A	5	2	10 3/16	11 1/8	1
HSF-105A	8	2	10 3/16	11 1/8	1
HSF-150A	12	2 1/2	10 13/16	12 5/16	1 1/2
HSF-151A	16	1 1/2	12 1/2	14	1 1/2
HSF-155A	20	2 3/8	10 7/8	12 7/16	1 1/2
HSF-200A	20	2 1/2	11 5/8	13 1/2	2
HSF-205A	32	2 1/2	11 9/16	13 1/2	2
HSF-250A	32	3 1/4	12 1/2	14 3/4	2 1/2
HSF-255A	64	3 1/4	12 5/16	14 3/4	2 1/2
HSF-300A	56	3 3/4	12 7/8	14 3/4	3
HSF-305A	96	3 3/4	11 3/4	14 3/4	3

Features

- **Shot filled head reduces rebound for safety and transmits more force to the work
- Handles are durable and comfortable
- Heavy duty construction for strength and durability
- Use with Soft-Face hammer tips below. Match head diameter with tip diameter for proper fit.
- Tips are not included with hammer body
- 5/16 – 18 thread size

Made in U.S.A.



HSF-151A

WILLIAMS®

SOFT-FACE HAMMER TIPS

Heavy Duty

Product Code	Hardness	Tip Diameter (Inches)	Color
Brown: Working with soft composites, plastics and soft alloy metals. Replaces vinyl hammer.			
HSF-10S	Soft	1	Brown
HSF-15S	Soft	1 1/2	Brown
HSF-20S	Soft	2	Brown
HSF-25S	Soft	2 1/2	Brown
HSF-30S	Soft	3	Brown
Red: Working with soft composites, plastics and soft alloy metals. Replaces rawhide hammer.			
HSF-10M	Medium	1	Red
HSF-15M	Medium	1 1/2	Red
HSF-20M	Medium	2	Red
HSF-25M	Medium	2 1/2	Red
HSF-30M	Medium	3	Red
Cream: Working with soft composites, plastics and soft alloy metals. Replaces soft-metal hammer			
HSF-10N	Medium Hard	1	Cream
HSF-15N	Medium Hard	1 1/2	Cream
HSF-20N	Medium Hard	2	Cream
HSF-25N	Medium Hard	2 1/2	Cream
HSF-30N	Medium Hard	3	Cream
Black: Working with hard surface composites and other hard metals.			
HSF-10H	Hard	1	Black
HSF-15H	Hard	1 1/2	Black
HSF-20H	Hard	2	Black
HSF-25H	Hard	2 1/2	Black
HSF-30H	Hard	3	Black
Yellow: Working with hard surface composites and other hard metals, hardness is close to steel.			
HSF-10XH	Extra Hard	1	Yellow
HSF-15XH	Extra Hard	1 1/2	Yellow
HSF-20XH	Extra Hard	2	Yellow
HSF-25XH	Extra Hard	2 1/2	Yellow
HSF-30XH	Extra Hard	3	Yellow
Green: Working with soft composites, plastic and soft alloy metals. Replaces brass hammer			
HSF-10T	Tough	1	Green
HSF-15T	Tough	1 1/2	Green
HSF-20T	Tough	2	Green
HSF-25T	Tough	2 1/2	Green
HSF-30T	Tough	3	Green

Features

- Heavy duty construction for strength and durability

Made in U.S.A.



HSF-20S



HSF-20M



HSF-20T





⚠ WARNING



SH-8A

WILLIAMS®

SLEDGE HAMMERS

Wood Handle

Product Code	Weight (lbs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
SH-2A	2	15	15	1 ½
SH-4A	4	15	15	2
SH-6A	6	36	36	2 ⅛
SH-8A	8	36	36	2 ⅓
SH-10A	10	36	36	2 ½
SH-12A	12	36	36	2 ⅝
SH-16A	16	36	36	2 ¾

Replacement Handle Service Kit

Product code	Description	Weight (ozs.)	Length (Inches)
SHHW-14A	Handle	14	15
SHHW-32A	Handle	24	36

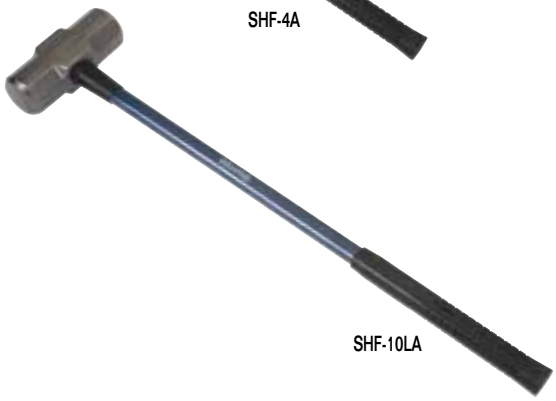
Made in U.S.A.

Features

- High carbon steel, heat treated and tempered head, with hickory handle



SHF-4A



SHF-10LA

WILLIAMS®

SLEDGE HAMMERS

Fiberglass Handle

Product Code	Weight Class (lbs.)	Handle Length (inches)	Overall length (Inches)	Face Diameter (Inches)
SHF-4SA **	4	14	14	1 ¼
SHF-8SA **	8	32	32	2
SHF-12SA **	12	32	32	2 ¼
SHF-2A	2	14	14	1 ¼
SHF-3A	3	14	14	1 ½
SHF-4A	4	14	14	1 ⅝
SHF-6A	6	32	32	1 ¾
SHF-8A	8	32	32	2
SHF-10A	10	16	16	2 ⅛
SHF-10LA	10	32	32	2 ⅛
SHF-12A	12	32	32	2 ¼
SHF-16A	16	24	24	2 ⅝
SHF-16LA	16	32	32	2 ⅝
SHF-20A	20	36	36	2 ¾

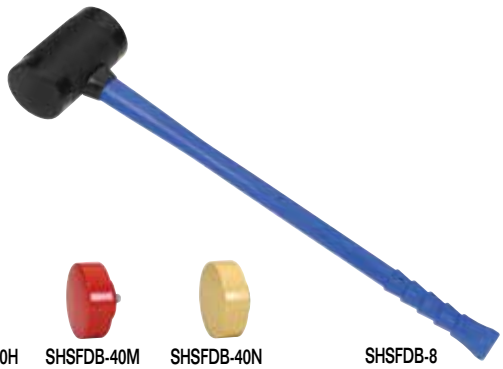
Replacement Handle Service Kit

Product Code	Description	Weight (lbs)	Length (Inches)
SHHF-14A	Fiberglass	2 to 4	14
SHHF-16A	Fiberglass	6 to 8	16
SHHF-32A	Fiberglass	6 to 16	32
SHHF-36	Fiberglass	20	36

Made in U.S.A.

Features

- ** Soft steel safety head is similar in hardness to brass
- ** Ideal replacement for Brass Head where non-sparking is not required
- Double faced head is hardened and tempered forged for maximum strength and durability.
- All kits include replacement handle, pre-measured bonding mix, mix container and instructions



SHSFDB-8



SHSFDB-40H

SHSFDB-40M

SHSFDB-40N



SHSFDB-40S



SHSFDB-40T



SHSFDB-40XH

WILLIAMS®

DEAD BLOW SLEDGE HAMMERS WITH REPLACEMENT TIPS

Product Code	Weight (lbs)	Handle Length (Inches)	Overall length (Inches)	Face Diameter (Inches)
SHSFDB-8	8	29	32	2

Includes Two 4" Black Tips

4" Replacement Tip

Product code	Hardness	Color	Product code	Hardness	Color
SHSFDB-40S	Soft	Brown	SHSFDB-40N	Med/Hard	Cream
SHSFDB-40M	Medium	Red	SHSFDB-40H	Hard	Black
SHSFDB-40T	Tough	Green	SHSFDB-40XH	Extra hard	Yellow

Features

- Shot loaded dead blow heads deliver the impact of a steel hammer with little or no rebound
- Oversized head and striking face minimizes miss hits, applying force with greater impact and repeatability
- Strong yet light weight handles provide 90% of the total hammer weight at the head
- 4" Non-marring removable tips can be replaced when worn

WILLIAMS®

27 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-27	27 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-3	Pin Punch	3/32	C-8	Cold Chisel	1/4
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-5	Pin Punch	5/32	C-12	Cold Chisel	3/8
P-6	Pin Punch	3/16	C-16	Cold Chisel	1/2
P-8	Pin Punch	1/4	C-20	Cold Chisel	5/8
P-10	Pin Punch	5/16	C-24	Cold Chisel	3/4
P-13	Solid Punch	3/32	C-28	Cold Chisel	7/8
P-14	Solid Punch	1/8	C-32	Cold Chisel	1
P-15	Solid Punch	5/32	C-36	Cold Chisel	1 1/8
P-16	Solid Punch	3/16			
P-17	Solid Punch	1/4	28449	Punch and Chisel Holder 7/8" Capacity	
P-25	Long Taper Punch	5/32			
P-26	Long Taper Punch	3/16			
P-28	Long Taper Punch	1/4			
P-30	Prick Punch	-			
P-40	Center Punch	-			
P-42	Center Punch	-			

Features

- Heavy duty construction for strength and durability.
- Includes punch and chisel holder for safety.

USA Made in U.S.A.



PC-27

WILLIAMS®

17 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-17	17 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-6	Pin Punch	3/16	C-12	Cold Chisel	3/8
P-8	Pin Punch	1/4	C-16	Cold Chisel	1/2
P-14	Solid Punch	1/8	C-20	Cold Chisel	5/8
P-15	Solid Punch	5/32	C-24	Cold Chisel	3/4
P-16	Solid Punch	3/16	C-42	Cape Chisel	1/4
P-25	Long Taper Punch	5/32	C-62	Diamond Point Chisel	3/8
P-28	Long Taper Punch	1/4			
P-32	Prick Punch	-			
P-40	Center Punch	-			

Features

- Heavy duty construction for strength and durability.

USA Made in U.S.A.



PC-17

WARNING



PC-8

WILLIAMS®

8 PIECE PUNCH & CHISEL SET

Packed in a Pouch

Product Code	Description
PC-8	8 Piece Punch & Chisel Set

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
P-4	Pin Punch	1/8	C-10	Cold Chisel	5/16
P-6	Pin Punch	3/16	C-16	Cold Chisel	1/2
P-8	Pin Punch	1/4	C-24	Cold Chisel	3/4
P-15	Solid Punch	5/32			
P-40	Center Punch	-			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



CS-8

WILLIAMS®

8 PIECE CHISEL SET

Packed in a Pouch

Product Code	Description
CS-8	8 Piece Chisel Set

Contents Include:

Product Code	Description	Blade Width (Inches)	Product Code	Description	Blade Width (Inches)
C-40	Cape Chisel	3/16	C-60	Diamond Point Chisel	1/4
C-42	Cape Chisel	1/4	C-62	Diamond Point Chisel	3/8
C-44	Cape Chisel	5/16	C-72	Round Nose Chisel	1/4
C-46	Cape Chisel	3/8	C-74	Round Nose Chisel	3/8

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



CS-9

WILLIAMS®

9 PIECE COLD CHISEL SET

Packed in a Pouch

Product Code	Description
CS-9	9 Piece Cold Chisel Set

Contents Include:

Product Code	Description	Blade Width (Inches)	Product Code	Description	Blade Width (Inches)
C-8	Cold Chisel	1/4	C-24	Cold Chisel	3/4
C-10	Cold Chisel	5/16	C-28	Cold Chisel	7/8
C-12	Cold Chisel	3/8	C-32	Cold Chisel	1
C-16	Cold Chisel	1/2	C-36	Cold Chisel	1 1/8
C-20	Cold Chisel	5/8			

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.

WILLIAMS®

17 PIECE PUNCH SET

Packed in a Pouch

Product Code	Description
PS-17	17 Piece Punch Set

Contents Include:

Product Code	Description	Tip Diameter (Inches)	Product Code	Description	Tip Diameter (Inches)
P-3	Pin Punch	3/32	P-16	Solid Punch	3/16
P-4	Pin Punch	1/8	P-17	Solid Punch	1/4
P-5	Pin Punch	5/32	P-25	Long Taper Punch	5/32
P-6	Pin Punch	3/16	P-26	Long Taper Punch	3/16
P-8	Pin Punch	1/4	P-28	Long Taper Punch	1/4
P-10	Pin Punch	5/16	P-30	Prick Punch	-
P-13	Solid Punch	3/32	P-40	Center Punch	-
P-14	Solid Punch	1/8	P-42	Center Punch	-
P-15	Solid Punch	5/32			

Features

- Heavy duty construction for strength and durability.

USA Made in U.S.A.



PS-17

WILLIAMS®

4 PIECE CENTER PUNCH SET

Packed in a Pouch

Product Code	Description
PS-4	4 Piece Center Punch Set

Contents Include:

Product Code	Description	Stock Diameter (Inches)	Product Code	Description	Stock Diameter (Inches)
P-38	Center Punch	1/4	P-40	Center Punch	3/8
P-39	Center Punch	5/16	P-42	Center Punch	1/2

Features

- Heavy duty construction for strength and durability.

USA Made in U.S.A.



PS-4

WILLIAMS®

12 PIECE PILOT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-12	12 Piece Pilot Punch Set

Contents Include:

Product Code	Point Diameter	Product Code	Point Diameter
P-51	1/16	P-57	7/32
P-52	5/64	P-58	1/4
P-53	3/32	P-59	5/16
P-54	1/8	P-60	3/8
P-55	5/32	P-61	7/16
P-56	3/16	P-62	1/2

Features

- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.

USA Made in U.S.A.



PS-12





PS-8

WILLIAMS®

8 PIECE PILOT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-8	8 Piece Pilot Punch Set

Contents Include:

Product Code	Point Diameter	Product Code	Point Diameter
P-51	1/16	P-55	5/32
P-52	5/64	P-56	3/16
P-53	3/32	P-57	7/32
P-54	1/8	P-58	1/4

Features

- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.

Made in U.S.A.



PS-3

WILLIAMS®

3 PIECE BRASS DRIFT PUNCH SET

Packed in a Pouch

Product Code	Description
PS-3	3 Piece Brass Drift Punch Set

Contents Include:

Product Code	Point Diameter
P-63	3/8
P-64	1/2
P-65	3/4

Made in U.S.A.

Features

- For aligning unhardened steel or aluminum



28449

WILLIAMS®

PUNCH AND CHISEL HOLDER

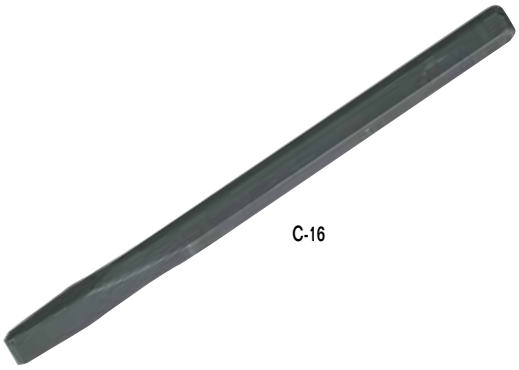
Comfort Grip Handle

Product Code	Description
28449	7/8

Features

- Holds chisel and punch securely
- Protect user from hand injury

Made in U.S.A.



C-16

WILLIAMS®

COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-8	1/4	1/4	5
C-10	1/4	5/16	5
C-12	5/16	3/8	5 1/2
C-15	3/8	7/16	6
C-16	7/16	1/2	6
C-20	1/2	5/8	6 1/2
C-24	5/8	3/4	7
C-28	3/4	7/8	7 1/2
C-32	7/8	1	8
C-36	7/8	1 1/8	8

Features

- The most commonly used chisels in the chisel line.
- For cutting, shaping and removing metal softer than the cutting edge of the chisel.

Made in U.S.A.

WILLIAMS®

EXTRA-LONG COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-120	1/2	5/8	12
C-124	5/8	3/4	12
C-125	5/8	3/4	14
C-126	5/8	3/4	18
C-132	3/4	1	12
C-133	3/4	1	18

Features

- Designed for cutting, shaping and removing metal softer than the cutting edge of the chisel.

Made in U.S.A.


C-126

WILLIAMS®

RIVET-BUSTER CHISEL

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-422	5/8	3/4	12

Features

- Designed for shearing bolt heads and rivets.

Made in U.S.A.


C-422

WILLIAMS®

CAPE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-40	3/8	3/16	5 5/8
C-42	3/8	1/4	5 5/8
C-44	1/2	5/16	6 1/4
C-46	5/8	3/8	7

Features

- Designed for cutting or grooving keyholes or slots.

Made in U.S.A.


C-44

WILLIAMS®

DIAMOND POINT CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Square Cut	Length (Inches)
C-60	3/8	1/4	5 3/4
C-62	5/8	3/8	7

Features

- Designed for making a V-groove in metal and to clean out inside corners.

Made in U.S.A.


C-62

WILLIAMS®

ROUND NOSE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)
C-72	3/8	1/4	5 3/4
C-73	1/2	5/16	6 1/4
C-74	5/8	3/8	7
C-75	3/4	1/2	8

Features

- Designed for cutting or grooving keyholes or slots.

Made in U.S.A.


C-74





P-57

WILLIAMS®

PILOT PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-51	1/4	1/16	2 3/4
P-52	1/4	5/64	3 1/4
P-53	1/4	3/32	3 1/2
P-54	1/4	1/8	4
P-55	1/4	5/32	4 1/2
P-56	3/8	3/16	4 1/2
P-57	3/8	7/32	5
P-58	7/16	1/4	5 1/2
P-59	7/16	5/16	6
P-60	1/2	3/8	6
P-61	5/8	7/16	6
P-62	5/8	1/2	6

Made in U.S.A.

Features

- Designed to apply equal pressure to the end of a pin driving it straight through the hole.
- The ball on the center of the point end assures proper contact with the pin eliminating damage to the pin or hole wall.



P-6

WILLIAMS®

PIN PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-3	5/16	3/32	4 1/2
P-4	5/16	1/8	4 3/4
P-5	5/16	5/32	5
P-6	3/8	3/16	5 1/4
P-8	3/8	1/4	5 3/4
P-10	7/16	5/16	6

Made in U.S.A.

Features

- For driving out and removing already loosened pins and keys after initial movement by a solid or starter punch.



P-16

WILLIAMS®

SOLID PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-12	3/8	1/16	5
P-13	3/8	3/32	5
P-14	3/8	1/8	5
P-15	3/8	5/32	5
P-16	3/8	3/16	5
P-18	3/8	7/32	5
P-17	3/8	1/4	5

Made in U.S.A.

Features

- For loosening frozen or tight pins and keys or knocking out rivets.
- Also called starter punches because they are ideal for loosening frozen pins.

WILLIAMS®

LONG TAPER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)
P-24	5/16	1/8	8
P-25	3/8	5/32	9
P-26	1/2	3/16	10
P-28	5/8	1/4	12
P-28A	3/4	1/4	15
P-29	5/8	5/16	16
P-27	3/4	3/8	15

Made in U.S.A.

Features

- Designed for aligning the holes in metal pieces through which rivets, bolts, or screws will be inserted.
- Not intended for driving pins as punch may become stuck in work.
- Also called line-up aligning or drift punches.



P-28

WILLIAMS®

CENTER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)
P-38	1/4	4
P-39	5/16	4 1/2
P-40	3/8	5
P-42	1/2	6

Made in U.S.A.

Features

- Pierces or marks work by indentation for starting pilot drills in metal or other materials.



P-40

WILLIAMS®

PRICK PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Length (Inches)
P-30	3/8	5
P-32	1/2	6

Made in U.S.A.

Features

- For scribing lines into metal before cutting or riveting, and for punching starting holes for short metal screws.
- Point is more tapered than center punch.



P-30

WILLIAMS®

BRASS DRIFT PUNCHES

Packed in a Pouch

Product Code	Body Size	Overall Length (Inches)
P-63	3/8	6
P-64	1/2	7
P-65	3/4	8

Made in U.S.A.

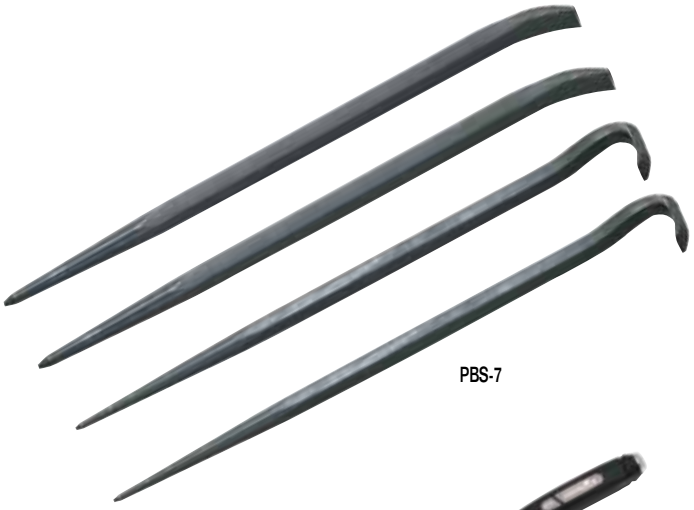
Features

- For aligning unhardened steel or aluminum



P-64





PBS-7

WILLIAMS

4 PIECE PINCH & ROLL BAR SET

Heavy Duty Industrial Grade

Product Code	Description
PBS-7	4 Piece Pinch & Roll Bar Set

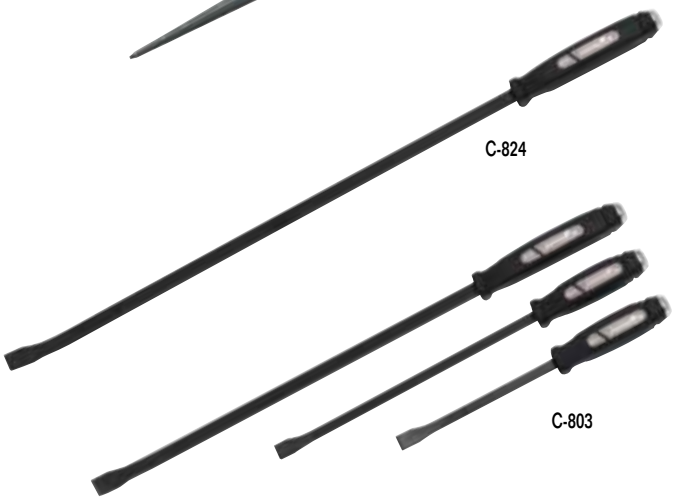
Contents Include:

Product Code	Description	Stock Diameter (Inches)
C-80A	Pinch Bar	¾
C-82A	Pinch Bar	¾
C-715	Roll Bar	½
C-718	Roll Bar	⅝

Features

- Heavy duty construction for strength and durability.

Made in U.S.A.



C-824

C-803

WILLIAMS

PRY BARS - SCREWDRIVER TYPE

Contents Include:

Product Code	Size	Overall Length (Inches)	Product Code	Size	Overall Length (Inches)
C-807	⅜	12	C-836	⅝	36
C-812	⅜	17	C-842	⅝	42
C-818	½	25	C-844	⅞	44
C-824	½	31	C-858	¾	58

Product Code	Description
C-803	3 Piece Pry Bar Set

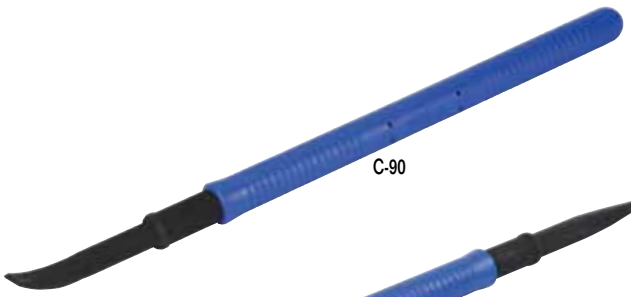
Contents Include:

Product Code	Overall Length (Inches)
C-807	12
C-812	17
C-818	25

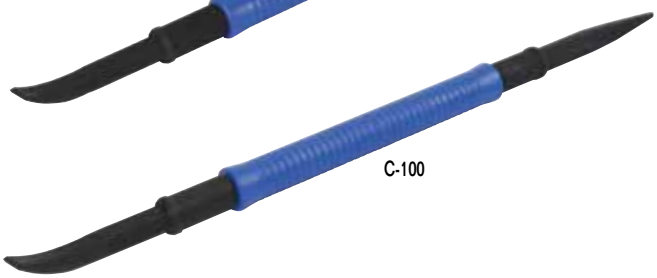
Features

Made in U.S.A.

- Blade is heat-treated the entire length.
- Handle is ergonomically designed to provide a more comfortable and secure grip
- Curved blade style gives extra leverage
- Capped end allows for striking without damage to handle



C-90



C-100

WILLIAMS

LIGHTWEIGHT HANDLE PRY BARS

Single Curved Tip

Product Code	Overall Length (Inches)	Product Code	Overall Length (Inches)
C-90	30	C-92	41 ½
C-91	35 ½	C-93	48 ½

Double End

Product code	Overall length (Inches)	Product code	Overall length (Inches)
C-100	33	C-102	44
C-101	38	C-103	50

Features

- Designed with drop forged hardened steel point & wedge ends
- Rust resistant black finish
- Pry bar is chemically bonded to the fiberglass handle.
- Half the weight of steel pry bars
- Handle resists heat & cold less flex than a steel bar
- Non-Conductive fiberglass provides insulation from electrical shock
- Used by:
  - Contractors & mechanics for construction & auto repair
  - Municipalities for safe prying, lifting & digging
  - Fire & Police - Forcible entry

WILLIAMS®

LADYFOOT PRY BARS

Product Code	Stock Size	Overall Length (Inches)
C-612	½	12
C-616	⅝	16
C-621	¾	21

Features

- Curved end ensures better leverage in small areas.
- Other end for aligning work.

Made in U.S.A.



C-612

WILLIAMS®

PINCH BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size	Width of Flat (Inches)
C-80	14	½	⅝
C-82	16	⅝	¾
C-82A	18	¾	⅞
C-83	20	¾	⅞
C-80A	24	¾	⅞
C-84	30	⅞	1
C-85	38	¾	⅞
C-86	42	⅞	1

Features

- Used for aligning, prying and positioning.

Made in U.S.A.



C-83

WILLIAMS®

ROLL BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size
C-709	9	⅜
C-715	16	½
C-718	18	⅝

Features

- Aligning and pry bar with long tapered body and 90° rolling head.

Made in U.S.A.



C-715

WILLIAMS®

2 PIECE COMFORT GRIP PRYBAR SET

Bi-Mold Comfort Grip Handles

Product Code	Description
21661	2 Piece Comfort Grip Prybar Set

Contents Include:

Size	Overall Length (Inches)
Small	8
Large	18

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Thumb stop on handle provides control during use.
- Fulcrum end provides extra prying power.



21661





40058

WILLIAMS

FOLDING UTILITY KNIFE

Uses Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40058	Folding Utility Knife

Features

- Blade safely locks in place when open.
- Quick-change thumb stud release allows for easy blade replacement.
- Stainless steel clip secures knife on belt or in pocket.
- Includes (1) .025" blade.



40052

WILLIAMS

AUTOLOAD QUICK-BLADE UTILITY KNIFE

Includes Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40052	Autoload Quick-Blade Utility Knife

Features

- Blade is easily removed or reversed from the front with push-button ease.
- New blade is automatically loaded from 5-blade magazine.
- Spring-loaded cover makes reloading quick and tool-free.
- Includes (5) .025" blades.



40072

WILLIAMS

UTILITY KNIFE BLADES

Feature Heavy-Duty .025" Thick 2-Notch Blades

Product Code	Description
40072	Quickblade Dispenser Includes (100) .025" 2-Notch Blades
40076	.025" Hook Blades (100)
40078	5-Pack Carded 2-Notch Blades

Features

- Quickblade dispensers allow fast and safe blade handling, with convenient storage for used blades.

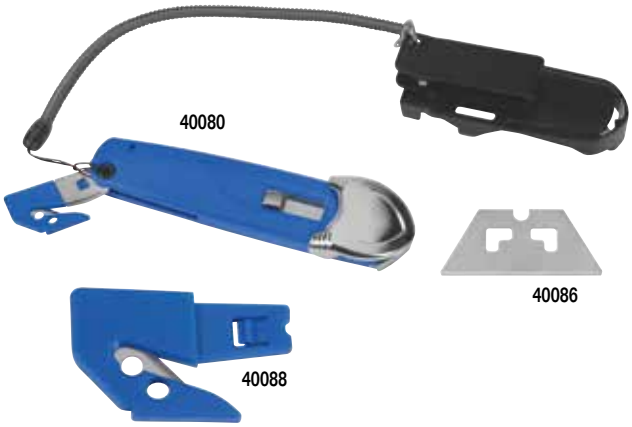
WILLIAMS

SAFETY UTILITY KNIVES & BLADES

Product Code	Description
40080	Ambidextrious Safety Cutter with Holster and Lanyard
40086	100-Pack Replacement Safety Point Blades for 40080
40088	3-Pack Film Cutter Unit for 40080

Features
- Guarded spring-back blade
- Variable blade depth control for top cuts and tray cuts
- Integrated film and shrink cutter
- Safety point blade standard
- 1 step blade change
- Integrated tape splitter

Applications: cuts corrugated, cartons, taped boxes, tape , strapping, packing film and shrink film.



WILLIAMS

DISPOSABLE SAFETY CUTTER

Product Code	Description
40082	Lightweight, ergonomic, ambidextrious disposable safety cutter

Features
- Retracting safety hooded guard prevents cuts
- NSF certified for food areas
- Safety point blade included standard
- Integrated tape splitter
- Stainless steel blade for hygiene
- 3-button mechanism for top and side cuts

Applications: multi purpose cutting, food processing areas, cuts corrugate, cartons, taped boxes, film and shrink



WILLIAMS

DISPOSABLE FILM CUTTER

Product Code	Description
40084	Durable plastic construction and a long-lasting super sharp blade

Features
- Suitable for use in food areas
- Integrated tape slitter
- Stainless steel blade for hygiene

Applications: cuts tape, strapping, shrink wrap and film



WILLIAMS

RECHARGEABLE MULTIFUNCTION ALUMINUM LED WORKLIGHT

Product Code	Description
5101	Recharable Multifuntcion Aluminum LED Worklight

Features
- Extra long magnet end
- Super bright
- 33 White Color LEDs

Accessories included
- 1x26650 li-ion rechargeable battery, 3.7V 4000mAh, with circuit board protection from over-charging and over-discharging
- AC100-240V adaptor, 50/60Hz, Output DC4.2V 1A
- DC12V car charger, output DC4.2V 600mA



Spare parts

Product Code	Description	Product Code	Description
5101-1	Worklight Head Housing	5101-5	Worklight Tail Cap
5101-2	Reflector	5101-6	Lithium-ion rechargeable Battery
5101-3	LED & Assembly	5101-7	AC Charger
5101-4	Worklight Tube	5101-8	DC Charger



PULLERS & INDUSTRIAL HYDRAULICS

PULLERS

• CURVED, REVERSIBLE JAWS ARE DESIGNED FOR A SECURE GRIP, FLUSH TO THE OBJECT BEING PULLED AND CAN BE REVERSED FOM AN INSIDE PULL TO AN OUTSIDE PULL, AND FROM AN OUTSIDE PULL TO AN INSIDE PULL

• YOKE AND JAWS ARE FORGED AND PRECISELY HEAT-TREATED FOR MAXIMUM STRENGTH AND DURABILITY

• COMPATIBLE WITH BOTH SLIDE HAMMER OR PRESSURE SCREW

INDUSTRIAL HYDRAULICS

• HEAVY DUTY, HEAT TREATED, GROOVED SADDLE PROVIDES BETTER SURFACE TRACTION DURING USE

• ONE PIECE STEEL RAM STOPPER FOR EXTRA STRENGTH AND ENHANCED OVER TRAVEL PROTECTION

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



PUMP AND CYLINDER COMBOS P.470



2 TON CAPACITY GRAB AND GO PULLER SET P.438

50 TON 3 JAW HYDRAULIC PULLER P.442

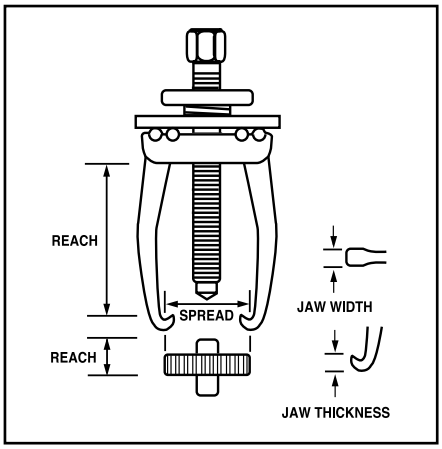
WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

The ABC's of Selecting the Right Puller

A. What Type of Puller Do I Want to Use? What would be the Combination that Works the Best?

B. **Determine the "Reach"and "Spread" Needed** - The puller's reach must equal or exceed the same distance on the part. The puller's spread is the width of the part.

C. **Estimate the Puller Tonnage** - Generally, if you already have the correct "reach and spread," you will usually have the proper tonnage. If in doubt, use the next larger size.



Features and Benefits

- **Spring Tensioned and Self-locking Jaws –** Spring tension design holds jaws against object being pulled, then adjusting or locking nut is tightened, thus clamping the puller securely.
- **Interchangeability –** Different jaws can be used with yoke, thus allowing tremendous variety within the Williams' line.
- **Jaws –** Jaws are forged for maximum strength. Forging is a proven process to control dimensions and provide the basis for precise heat-treating.
- **Curved Jaw Design –** This allows for a secure grip, flush to the object being pulled.
- **Reversible Jaws –** Jaws can be reversed in a simple operation (no nuts and bolts) by pulling up on the locking plate.
- **Two-jaw Positions –** This feature helps avoid stresses created from wedging action to allow straighter pull. One set of jaws and one yoke actually provides capabilities of three pullers.
- **Pins are Forged as Part of the Jaw –** Allows easy interchange of jaws; no nuts or bolts that can be misplaced.
- **Part Numbers on Jaws –** Numbers are stamped on jaws for easy identification and reorder.
- **Parabolic curved anvil head –** A feature on the head of the pressure screw for occasional hammer blows to "persuade" frozen gears and pulleys. Designed to reduce mushrooming. Easily redressed with a hand file.
- **Hex Head on Screw –** This means that the pressure screw can be turned with a standard hex wrench or socket – no special tools needed.
- **Roller threads –** Pressure screws have rolled threads (fine [nf] on manual, course [nc] on hydraulic), instead of cut threads, making them stronger and more durable.
- **Replaceable Centering Point –** The centering point directs power to help prevent cocking of the puller. Also allows easy, almost friction-free, turning of the pressure screw. Generally, only the centering point, and not the whole screw, need replacing, saving your customer big dollars.
- **Yoke –** Yoke is forged and precisely heat-treated for maximum strength and maximum durability.
- **Slide Hammer or Pressure Screws –** Yoke is compatible with both slide hammer or pressure screw. It is also recommended that a lubrication compound (NEVER-SEEZ®) be used on the pressure screws.
- **Slide Hammer –** Many of our pullers can be assembled with a longer pressure screw to use slide hammer power. This fact is especially useful in removing blind hole bearings.

snapon.com/industrialbrands

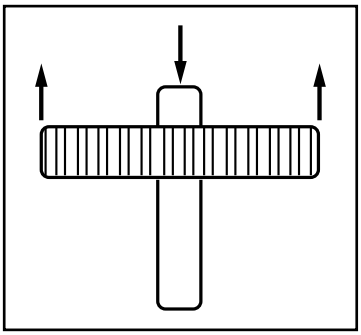


General Rule to Choose Pullers

Manual Pullers- Pressure screw should be at least half the diameter of the shaft on the pulling/pushing job.

Hydraulic Pullers -Maximum tonnage capacity (tons) should be 8 to 10 times the diameter (in inches) of the shaft to be pulled or pushed.

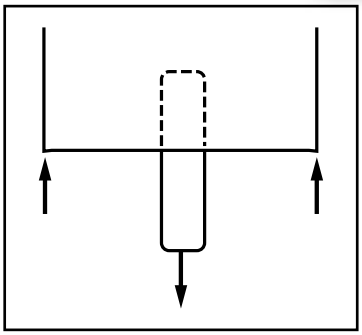




Removing a Gear, Bearing, Pulley, or Other Component from a Shaft

Tools to Use

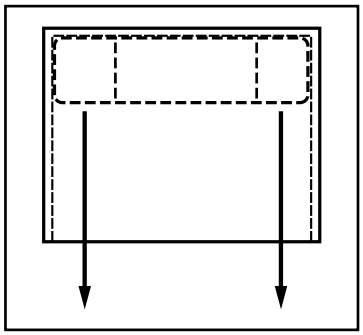
- **Jaw-Type Puller** - 2- or 3-jaw style, with 3-jaw being the best choice. Manual or hydraulic with outside jaw positions.
- **Push-Pull Puller** - Use male or female adaptors to thread into tapped holes on components.
- **Slide Hammer Puller** - Use on light-duty applications. For use with attachments.
- **Bar-Type Puller with Bearing Separator** Bar type with side rods threaded into bearing separator provides "knife edge" to get behind component or when there is not a good gripping edge.



Pulling a Shaft Out of a Housing or Bore

Tools to Use

- **Push-Pull Puller** - Use male or female adaptors.
- **Bar-Type Puller with Bearing Separator** - Use when housing lacks sufficient surface for puller side rods to bear against.
- **Slide Hammer Puller** - Use on light-duty applications. For use with attachments.
- **Slide Hammer Puller** -Use with male or female adaptors. See page 333 for a full listing of compatible adaptors.



Removing a Bearing or Bushing from a Blind Hole

Tools to Use

- **Jaw-Type Puller** - For inside jaw positions (inside pulls), a manualor hydraulic jaw-type puller can be used with pressure screw or slide hammer variations.
- **Expanded Collet Puller** - The inside diameter should range between 1/4" and 7". Pulling can be done with bridge, bar-type yokes, or slide hammers.
- **Bearing Adaptors with Slide Hammer Puller** Slide Hammer should be used in this application.
- **Bar-Type Puller with Bearing Separator** - Bar type with side rods threaded into bearing separator provides "knife edge" to get behind components or when there is not a good gripping edge.

Warning

- Pullers and parts under stress can break.
  Wear safety goggles while using pullers. Screen the puller from yourself and bystanders. Use the largest size puller possible to do the job. Use a three jaw puller where possible. Inspect puller; do not use puller with worn or damaged parts. Make sure puller is fully engaged and squarely seated.
  Broken parts can cause injury.
- Heating puller jaws can change their strength.
  Do not heat jaws of puller.
  Weakened jaws can break and cause injury.
- Hammering on puller jaws can cause damage.
  Hammer only on curved head of pressure screw.
  Broken parts can cause injury.
- Hand can get caught between slide hammer and hammer stop.
  Keep hand away from front and rear of slide hammer.
  Hand injury can be caused by slide hammer.
- Damaged or loose hydraulic lines can leak or burst.
  Inspect hoses; do not use hoses with cuts, splits, or cracks.
  Tighten hydraulic connections.
  Hydraulic leak can cause injury.
- **Be sure that pressure screw threads are cleaned and well lubricated when using impact tools on pullers.**
- **Always use protective tip or removable point to prevent pressure screw from mushrooming or splitting.**
- **Always maintain a proper fluid level in hydraulic pump.**
- **Always use a pressure gauge with hydraulic pullers.**
- **Never keep pressure on a hydraulic ram.**
  When job is finished, immediately release ram pressure.
- **Use blind hole bearing pullers rather than torches, chisels, screwdrivers, hammers, prybars, etc. A blind hole puller provides 360° of steady, even pulling power.**

WILLIAMS®

MASTER COMBINATION GEAR PULLER SET

2 and 3 Jaw, 10 & 12-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87079	12 1/2	8 3/4


87079

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
Plastic Case	-	-	-
Handle Bar	-	-	-
Slide Hammer Screw	10	-	3/4-16 x 23 3/8
3 1/2 Lb. Slide Hammer	-	-	-
Long Pressure Screw	10	8 3/4	3/4-16 x 12 1/8
Short Pressure Screw	10	5 1/2	3/4-16 x 9 3/16
Special Grip Jaw	12 1/2	5 1/2	-
Jaw	12 1/2	8 3/4	-
2 Jaw Yoke	10	-	-
2 Jaw Yoke Plate	-	-	-
Spring	-	-	-
Adjusting Nut	-	-	-
3 Jaw Yoke	12 1/2	-	-
3 Jaw Yoke Plate	-	-	-
Removable Point	-	-	-
Flat Removable Point	-	-	-
Jaw	12 1/2	5 1/2	-

Features

Made in U.S.A.

- Ideal for heavy-duty use.
- Plastic case keeps all components organized and helps prevent loss.
- Makes a variety of 2 and 3-jaw pressure screw and slide hammer pullers.
- Pulls gears up to 10" diameter.

WILLIAMS®

HEAVY DUTY GEAR PULLER SET

2 and 3 Jaw, 10 & 12-1/2 Ton Capacity, Pressure Screw

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87021	12 1/2	8 3/4


87021

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
2 Jaw Puller With Long Reach Jaws	10	8 3/4	3/4 - 16 x 12 - 1/8
3 Jaw, Long Reach	12 1/2	8 3/4	-
3 Jaws, Short Reach	12 1/2	5 1/2	-
Yoke - 3 Jaw	-	-	-
Locking Plate - 3 Jaw	-	-	-
Metal Box		-	-

Features

Made in U.S.A.

- Components assemble to form 8 different pullers.
- Pulls gears up to 8" diameter.





87020

WILLIAMS

MEDIUM DUTY COMBINATION GEAR PULLER SET

2 and 3 Jaw, 6 & 7-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87020	7 1/2	6

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
3 Jaw Puller With Long Reach Jaws	6	6	5/8 - 18 x 6 7/8
3 Jaws, Short Reach	7 1/2	3	-
Yoke - 2 Jaw	6	-	-
2 1/8 Lb. Slide Hammer	-	-	-
Slide Hammer Screw	-	-	5/8 - 18 x 18 1/16
Pulling Plate	-	-	-
Metal Tool Box 19" X 5 7/8" X 2 1/2"	-	-	-

Features

- Components assemble to form 6 different pullers.
- Pulls gears up to 8" diameter.

Made in U.S.A.



87019

WILLIAMS

LIGHT DUTY COMBINATION GEAR PULLER SET

3-Jaw, 2-1/2 Ton Capacity, Pressure Screw and Slide Hammer

Product Code	Maximum Capacity (Tons)	Maximum Reach (Inches)
87019	2 1/2	8 3/4

Contents Include:

Description	Capacity (Tons)	Maximum Reach (Inches)	Pressure Screw Size (Inches)
3 Jaw Puller With Short Reach Jaws	2 1/2	2 1/2	3/8 - 16 x 6 1/16
3 Jaws, Long Reach	2 1/2	3 1/2	-
1 1/16 Lb. Slide Hammer	-	-	-
Slide Hammer Screw	-	-	3/8 - 16 x 12 5/8
Metal Tool Box 12" X 4 1/2" X 2"	-	-	-

Features

- Components assemble to form 8 different pullers.
- Pulls gears up to 3" diameter.

Made in U.S.A.



87016



87018

WILLIAMS

SLIDE HAMMER SETS

Product Code	Slide Hammer Weight (Lbs.)	Slide Screw Size (Inches)
87016	1 1/16	3/8 -16 x 12 5/8
87017	2 1/8	5/8 -18 x 18 1/16
87018	3 1/2	3/4 -16 x 23 3/8

Features

- Converts pressure-screw type pullers to slide hammer use.
- Pressure screw is removed and slide screw assembly is inserted.
- Sliding hammer “shocking” action loosens and helps remove gears and bearings.

Made in U.S.A.

WILLIAMS

2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 2-Jaw Puller Set

Product Code	Description
87081	2 Ton Capacity 2 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	2	2	2 1/2	7/8 - 3 1/4	3
Long Jaws	2	2	3 1/2	7/8 - 3 3/4	4

Pressure screw size: 3/8" -16 x 6 1/16"

Made in U.S.A.

Features

- Clear plastic storage tube keeps components together.
- Totally portable - Ideal for use in the shop or at the job site.
- Components assemble to form 4 different pullers:
  - Short 2-jaw external puller
  - Short 2-jaw internal puller
  - Long 2-jaw external puller
  - Long 2-jaw internal puller



87081

WILLIAMS

2-1/2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 3-Jaw Puller Set

Product Code	Description
87082	2 1/2 Ton Capacity 3 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	3	2 1/2	2 1/2	7/8 - 3 1/4	3
Long Jaws	3	2 1/2	3 1/2	7/8 - 3 3/4	4

Pressure screw size: 3/8" -16 x 6 1/16"

Made in U.S.A.

Features

Clear plastic storage tube keeps components together.
Totally portable - Ideal for use in the shop or at the job site.
Components assemble to form 4 different pullers:

- Short 3-jaw external puller
- Short 3-jaw internal puller
- Long 3-jaw external puller
- Long 3-jaw internal puller



87082

WILLIAMS

4-1/2 & 6 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 2-Jaw Puller Set

Product Code	Description
87083	4 1/2 & 6 Ton Capacity 2 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	2	6	3	1 1/2 - 3 1/2	4 1/2
Long Jaws	2	4 1/2	6	3/4 - 8	NA

Pressure screw size: 5/8" -18 x 6 7/8"

Made in U.S.A.

Features

Clear plastic storage tube keeps components together.
Totally portable - Ideal for use in the shop or at the job site.
Components assemble to form 3 different pullers:

- Short 2-jaw external puller
- Short 2-jaw internal puller
- Long 2-jaw internal puller (NOTE: long jaws are designed for internal pulling only)



87083



⚠ WARNING



87084

WILLIAMS

6 & 7-1/2 TON CAPACITY GRAB'N GO PULLER SET

Short and Long 3-Jaw Puller Set

Product Code	Description
87084	6 & 7 ½ Ton Capacity 3 Jaw Grab'n Go Puller Set

Components:

Jaw Length	Number of Jaws	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)
Short Jaws	3	7 1/2	3	1 1/2 - 3 1/2	4 1/2
Long Jaws	3	6	6	3/4 - 8	NA

Pressure screw size: 5/8" -18 x 6 7/8"

Made in U.S.A.

Features

- Clear plastic storage tube keeps components together.
- Totally portable - Ideal for use in the shop or at the job site.
- Components assemble to form 3 different pullers:
  - Short 3-jaw external puller
  - Short 3-jaw internal puller
  - Long 3-jaw internal puller (NOTE: long jaws are designed for internal pulling only)



87033

WILLIAMS

BLIND HOLE BEARING PULLER SETS

Product Code	Description	Range Size (Inches)
87033	Basic Blind Hole Puller Set	7/16 - 1

Set Includes:

Expander Rod
7/16" Collet
1/2" Collet
5/8" Collet
3/4" Collet
7/8" Collet
1" Collet
2 1/8" Pound Slide Hammer & Screw
Crossbar

Product Code	Description	Range Size (Inches)
87034	Blind Hole Expansion Set	1/4 - 7/16

Set Includes:

Expander Rod
1/4" Collet
5/16" Collet
3/8" Collet
7/16" Collet

Made in U.S.A.

Features

- These special pullers will pull blind hole bearings, bushings and sleeves with inside diameters ranging from 1/4" where regular pullers won't reach
- The operation is simple. After the special collet is inserted through the bearing or sleeve, a matched expanding rod is threaded into the collet and secured.
- Pulling is done with slide hammers.

WILLIAMS

TWO JAW PRESSURE-SCREW PULLERS

2 to 20 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87001	2	2 1/2	3 1/4	3	3/8 x 5 1/16	3/16	3/8
87002	2	3 1/2	3 3/4	4	3/8 x 6 1/16	3/16	3/8
87005	6	3	3 1/2	4 1/2	5/8 x 6 7/8	1/4	3/4
87008	10	5 1/2	7 1/2	8 1/2	3/4 x 9 13/16	1/4	15/16
87009	10	8 3/4	8	10	3/4 x 12 1/8	1/4	15/16
87012	10	15	11 1/2	13 3/4	3/4 x 18 15/16	3/8	1
87014	20	9 1/2	10	12	1 x 15	7/16	1 1/4
87015	20	14 3/8	13	16	1 x 19	9/16	1 1/4


2-jaw

Features

Made in U.S.A.

- Convertible from external to internal pull - each item makes 2 pullers.
- Self-locking jaws hold puller in place for one-hand operation.
- Interchangable parts allow tremendous variety of applications.
- Jaws are forged for maximum strength and durability.
- All pullers are easily assembled without the use of other tools.
- Curved anvil heads on the pressure screw allow use of hammer to “shock” frozen gears and pulleys.
- Pullers are compatible with slide hammer sets 87016, 87017, and 87018, simply match the correct pressure screw size.

WILLIAMS

THREE JAW PRESSURE-SCREW PULLERS

2-1/2 to 12-1/2 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87003	2 1/2	2 1/2	3 1/4	3	3/8 x 5 1/16	3/16	3/8
87004	2 1/2	3 1/2	3 3/4	4	3/8 x 6 1/16	3/16	3/8
87006	6	6	8	NR	5/8 x 6 7/8	7/32	5/16
87007	7 1/2	3	3 1/2	4 1/2	5/8 x 6 7/8	1/4	3/4
87010	12 1/2	5 1/2	7 1/2	8 1/2	3/4 x 9 13/16	1/4	15/16
87011	12 1/2	8 3/4	8	10	3/4 x 12 1/8	1/4	15/16
87013	12 1/2	15	11 1/2	13 3/4	3/4 x 18 15/16	3/8	1


3-jaw

Features

Made in U.S.A.

- NR = Not Recommended, Designed as an inside pull only.
- Convertible from external to internal pull - all except 87006 make 2 pullers.
- Self-locking jaws hold puller in place for one-hand operation.
- Interchangable parts allow tremendous variety of applications.
- Jaws are forged for maximum strength and durability.
- All pullers are easily assembled without the use of other tools.
- Curved anvil heads on the pressure screw allow use of hammer to “shock” frozen gears and pulleys.
- Pullers are compatible with slide hammer sets 87016, 87017, and 87018, simply match the correct pressure screw size.



WILLIAMS

COMBINATION 2 / 3 JAW PRESSURE-SCREW PULLERS

20 Ton Capacity

Product Code	Capacity (Tons)	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87045	20	9 1/2	10	12	1 x 15	7/16	1 1/4

Features

- Similar in appearance to 3-jaw puller, with unique design that enables use as a 2-jaw or 3-jaw puller.
- Includes 3 jaws.

Made in U.S.A.



87045

WILLIAMS®

2 JAW HYDRAULIC PULLERS

Product Code	Description	Capacity (Tons)	Number of Jaws	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87046	6 Ton, 2 Jaw	6	2	3	3 1/2	4 1/2	1 1/8 x 20 1/2	1/4	3/4
87047	10 Ton, 2 Jaw	10	2	8 3/4	8	10 1/2	3/4 x 16 1/4	1/4	15/16
87048	10 Ton, 2 Jaw	10	2	15	11 1/2	13 3/8	3/4 x 23 3/8	3/8	1

Made in U.S.A.



87047

WILLIAMS®

COMBINATION 2/3 JAW HYDRAULIC PULLERS

Product Code	Description	Capacity (Tons)	Number of Jaws	Maximum Reach (Inches)	Inside Spread (Inches)	Outside Spread (Inches)	Pressure Screw Size (Inches)	Jaw Thickness (Inches)	Jaw Width (Inches)
87049	20 Ton, 2/3 Jaw	20	2/3	9 1/2	NR	13	1 1/8 x 20 1/2	7/16	1 1/4
87050	20 Ton, 2/3 Jaw	20	2/3	14	NR	15	1 1/8 x 20 1/2	9/16	1 1/4
87052	20 Ton, 2/3 Jaw	20	2/3	19	NR	20	1 1/8 x 20 1/2	1 1/8	1 1/2
87054	50 Ton, 2 Jaw	50	2/3	28	NR	44	1 5/8 x 30	1 7/16	2

NR = Not Recommended, Designed as an outside puller only.

Made in U.S.A.

Features

- Ideal for the most rugged industrial applications.
- Hydraulic power increases versatility of the puller.
- Reduces effort and increases pulling safety.



87050



87054





87032

WILLIAMS

TIGHT-GRIP STUD REMOVER / INSTALLER SET

Remove and Install Coarse and Fine Thread Studs from 1/4" through 5/8" Diameter

Product Code	Description
87032	15 Piece Stud Remover / Installer Set

Contents Include:

Product Code	Description	Stud Size (Inches)
87035	Stud Remover / Installer Housing	
87055	Collet 1/4-20	1/4 - 20
87056	Collet 1/4-28	1/4 - 28
87057	Collet 5/16-18	5/16 - 18
87058	Collet 5/16-24	5/16 - 24
87059	Collet 3/8-16	3/8 - 16
87060	Collet 3/8-24	3/8 - 24
87061	Collet 7/16-14	7/16- 14
87062	Collet 7/16-20	7/16 - 20
87063	Collet 1/2-13	1/2 - 13
87064	Collet 1/2-20	1/2 - 20
87065	Collet 9/16-12	9/16 - 12
87066	Collet 9/16-18	9/16 -18
87067	Collet 5/8-11	5/8 - 11
87068	Collet 5/8-18	5/8 - 18

Features

Made in U.S.A.

- Remove studs without damaging the threads.
- Collet is placed in housing and threaded over stud. Draw bolt is then used to clamp tool onto stud for secure removal or installation.
- Studs may be reused.
- Ideal for working in confined areas.
- Works even if only a few threads are exposed.



87025



87026



87027

WILLIAMS

TIGHT-GRIP PIPE NIPPLE REMOVER & INSTALLER KITS

Remove and Install Pipe Nipples Without Thread Damage

Product Code	Description
87025	Pipe Nipple Remover / Installer Kit for 1/8", 1/4", and 3/8" NPT Pipe Nipples

87025 Includes:

87035	Stud Remover / Installer Housing
87036	Collet, 1/8" NPT
87037	Collet, 1/4" NPT
87038	Collet, 3/8" NPT

Product Code	Description
87026	Pipe Nipple Remover / Installer Kit for 1/2" and 3/4" NPT Pipe Nipples

87026 Includes:

87039	Stud Remover / Installer Housing
87040	Collet, 1/2" NPT
87041	Collet, 3/4" NPT

Product Code	Description
87027	Pipe Nipple Remover / Installer Kit for 1" and 1 1/4" NPT Pipe Nipples

87027 Includes:

87042	Stud Remover / Installer Housing
87043	Collet, 1" NPT
87044	Collet, 1 1/4" NPT

Features

Made in U.S.A.

- Remove pipe nipples and other lengths of pipe without damaging pipe threads.
- Collet is placed in housing and threaded over pipe. Draw bolt is then used to clamp tool onto nipple for secure removal or installation.
- Nipples and other lengths of pipe may be reused.
- Essential when working with decorative brass, bronze, and stainless piping.
- Ideal for working in confined areas.

WILLIAMS®

INDIVIDUAL TIGHT-GRIP STUD REMOVER / INSTALLERS

Product Code	Description (Stud Size)	Size (Inches)	Uses Housing Number (Below)
87055	Collet 1/4-20	1/4 - 20	87035
87056	Collet 1/4-28	1/4 - 28	87035
87057	Collet 5/16-18	5/16 - 18	87035
87058	Collet 5/16-24	5-16 - 24	87035
87059	Collet 3/8-16	3/8 - 16	87035
87060	Collet 3/8-24	3/8 - 24	87035
87061	Collet 7/16-14	7/16- 14	87035
87062	Collet 7/16-20	7/16 - 20	87035
87063	Collet 1/2-13	1/2 - 13	87035
87064	Collet 1/2-20	1/2 - 20	87035
87065	Collet 9/16-12	9/16 - 12	87035
87066	Collet 9/16-18	9/16 -18	87035
87067	Collet 5/8-11	5/8 - 11	87035
87068	Collet 5/8-18	5/8 - 18	87035
87069	Collet 3/4-10	3/4 - 10	87039
87070	Collet 7/8-9	7/8 - 9	87039
87071	Collet 1-8	1 - 8	87039


87036

WILLIAMS®

INDIVIDUAL TIGHT-GRIP PIPE NIPPLE REMOVER / INSTALLERS

Product Code	Description (Stud Size)	Size (Inches)	Uses Housing Number (Below)
87036	Collet 1/8 NPT	1/8 NPT	87035
87037	Collet 1/4 NPT	1/4 NPT	87035
87038	Collet 3/8 NPT	3/8 NPT	87035
87040	Collet 1/2 NPT	1/2 NPT	87039
87041	Collet 3/4 NPT	3/4 NPT	87039
87043	Collet 1 NPT	1 NPT	87042
87044	Collet 1 1/4 NPT	1 1/4 NPT	87042


87035

WILLIAMS®

HOUSINGS

Product Code	Description
87035	Use with collets above for stud sizes 1/4" through 5/8" and pipe nipple sizes 1/8" through 3/8" NPT
87039	Use with collets above for stud sizes 3/4" through 1" and pipe nipple sizes 1/2" and 3/4" NPT
87042	Use with collets above for pipe nipple sizes 1" and 1 1/4" NPT

Features

- The most ingenous stud and pipe nipple pullers available. Unique two-piece system can be used to remove stubborn studs and nipples, as well as install new ones without damaging the threads. Tapered collets thread onto stud, even if only a few threads are exposed. Tightening the housing bolt draws the collet into the housing and clamps the the collet onto the stud. Doesn't damage threads. Larger sizes are available as a special order.
- NOTE: Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece.


87035





87031

WILLIAMS

PULLING PLATE

Product Code	Description
87031	Pulling Plate

Features

- Ideal where there is no gripping surface for the puller alone.
- Plate is attached to item being pulled - with puller clamped behind the plate.
- Plate allows pulling action where space does not allow for puller accessories.
- Includes 4 each of the following screws: 1/4 - 20 x 3/4" and 1/4 - 28 x 1".
- Plate diameter is 3 5/8".



CG10F

WILLIAMS

CROSSBAR

Product Code	Description
CG10F	Crossbar for 6 - 7 1/2 ton slide hammer puller screws

Features

- Ideal for turning the slide hammer screws.
- Fits 87017 Slide Hammer set.



87030 87029 87028

WILLIAMS

REPLACEMENT PRESSURE SCREW POINTS

Product Code	Description
87028	Screw point for 6 and 7 1/2 ton pullers
87029	Screw point for 10 and 12 1/2 ton pullers
87030	Screw point for 20 ton pullers

Features

- Match screw point to puller capacity.

WILLIAMS

PULLER REPLACEMENT PARTS

2 Ton & 2-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw
87001	2 TON, 2 JAW PULLER	2	CG240-2		CG240-1	CG240-8	CG240-9	CG240-5		CG240-6	CG240-7	CG240-3	
87002	2 TON, 2 JAW PULLER	2	CG240-2		CG240-11	CG240-8	CG240-9	CG240-5		CG240-6	CG240-7		CG240-10
87003	2 1/2 TON, 3 JAW PULLER	2 1/2		CG243-2	CG240-1	CG240-8	CG240-9		CG243-5	CG240-6	CG240-7	CG240-3	
87004	2 1/2 TON, 3 JAW PULLER	2 1/2		CG243-2	CG240-11	CG240-8	CG240-9		CG243-5	CG240-6	CG240-7		CG240-10

6 Ton & 7-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw
87005	6 TON, 2 JAW PULLER	6	CG250-2		CG250-1A	CG250-8A	CG250-9	CG250-5		CG250-6	CG250-7	CG250-3	
87006	6 TON, 3 JAW PULLER	6		CG253-2	CG250-1A	CG250-8A	CG250-9		CG250-5	CG250-6	CG250-7		CG250-10
87007	7 1/2 TON, 3 JAW PULLER	7 1/2		CG253-2	CG250-1A	CG250-8A	CG250-9		CG250-5	CG250-6	CG250-7	CG250-3	

10 Ton & 12-1/2 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw	Extension Piece - 8 1/4"
87008	10 TON, 2 JAW PULLER	10	CG270-2		CG270-1A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7	CG270-3		
87009	10 TON, 2 JAW PULLER	10	CG270-2		CG270-11A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7		CG270-10	CG270-13
87012	10 TON, 2 JAW PULLER	10	CG270-2		CG270-11A	CG270-8A	CG66-2	CG270-5		CG270-6	CG270-7		CG270-12	CG270-13
87010	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7	CG270-3		
87011	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7		CG270-10	CG270-13
87013	12 1/2 TON, 3 JAW PULLER	12 1/2		CG273-2	CG270-11A	CG270-8A	CG66-2		CG273-5	CG270-6	CG270-7		CG270-12	CG270-13

20 Ton Puller Group

Product Code	Product Description	Capacity (Tons)	2-Jaw Yoke	3-Jaw Yoke	Std. Pres. Screw	Slide Screw	Slide Hammer	2-Jaw Lock Plate	3-Jaw Lock Plate	Spring	Adjusting Nut	Standard Jaw	Long Jaw	Plug
87014	20 TON, 2 JAW PULLER	20	CG300-2		CG300-1			CG300-5		CG300-6	CG300-7	CG300-3		
87015	20 TON, 2 JAW PULLER	20	CG300-2		CG305-8			CG300-5		CG300-6	CG300-7		CG305-9	
87045	20 TON, 2/3 JAW PULLER	20	CG400-2	CG400-2	CG300-1			CG400-5	CG400-5	CG400-6	CG400-7	CG300-3		CG343-1

WILLIAMS®

SINGLE ACTING CYLINDERS

- 39 models
- Internal plunger threads
- Snap in grooved saddles
- Rod wiper seals out dirt and contamination
- Collar fixture threads
- Two base mounting holes on most models
- High strength steel construction from gun drilled solid bar
- High flow 3/8" NPTF couplers
- Collar thread protector
- One piece high grade alloy bearing for side load protection and long life
- Polyurethane cup seal provides optimum performance
- Industrial hard chrome plated ram helps prevent rust and corrosion
- Solid steel cylinder body
- Heavy duty return spring provides quicker retraction
- Ideal for lifting and pressing
- Maximum working pressure: 10,000 psi / 700 bar



6C05T05



6C05T07

CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Dia.	
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	C (in)	D (in)	E (in)	
5	0.63	6C05T00	1.10	9,090	0.69	1.61	2.24	1.18	2.36 x 1.58	0.98	
	1.00	6C05T01	1.00	10,000	1.00	4.58	5.58	1.13	1.50	1.00	
	3.07	6C05T03			3.07	6.65	9.72				
	5.08	6C05T05			5.08	8.70	59.50				
	7.09	6C05T07			7.09	10.71	17.80				
	9.09	6C05T09			9.09	12.72	21.81				
10	1.00	6C10T01	2.24	8,930	2.24	3.62	4.62	1.69	2.26	1.49	
	2.01	6C10T02			4.50	4.84	6.85	1.69	2.26	1.49	
	4.02	6C10T04			9.00	6.85	10.87				
	5.94	6C10T06			13.31	9.84	15.78				
	7.95	6C10T08			17.81	11.85	19.80				
	9.96	6C10T10			22.31	13.86	23.82				
	11.97	6C10T12			26.81	15.87	27.84				
	14.02	6C10T14			31.40	17.72	31.74				

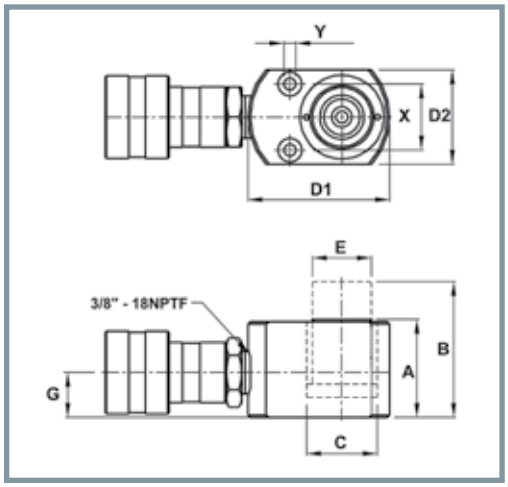




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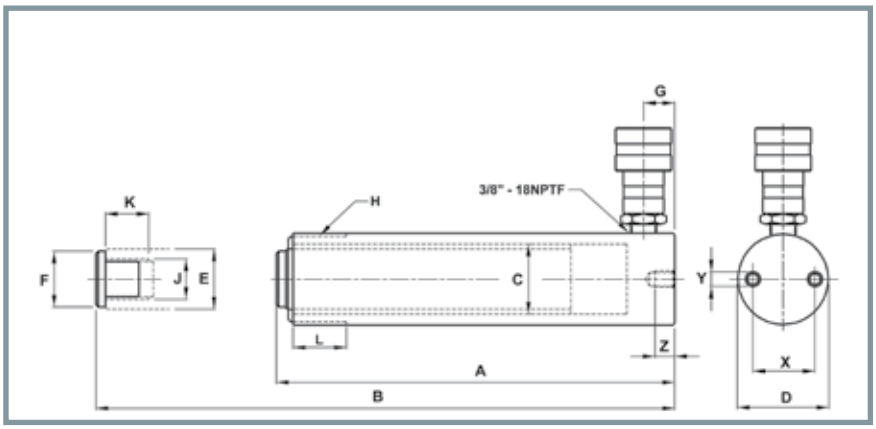
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	Saddle Dia.	Base to Inlet Port	Collar Thread	Collar Thread Length	Plunger Internal Thread	Plunger Thread Length	Base Mounting Hole			Product Code
							Bolt Circle	Thread	Thread Depth	
	F (in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	
	N/A	0.75	N/A	N/A	N/A	N/A	1.10	0.2	N/A	6C05T00
	0.98	0.79	1 ½ -16	1.10	¾"-16UNF	0.63	1.00	¼" - 20UNC	0.55	6C05T01
										6C05T03
										6C05T05
										6C05T07
										6C05T09
	N/A	0.77	2 ¼ -14	1.30	#10-24UNC	0.24	1.56	5/16" - 18UNC	0.55	6C10T01
	1.38	0.77	2 ¼ -14	1.30	1"-8UNC	0.79	1.56	5/16"-18UNC	0.55	6C10T02
										6C10T04
										6C10T06
										6C10T08
										6C10T10
										6C10T12
										6C10T14

WILLIAMS

SINGLE ACTING CYLINDERS





6C30T08

CYLINDER DIMENSIONS

Cylinder Capacity (tons)	Stroke (in)	Product Code	Cylinder Effective Area (in²)	Pressure at Capacity (psi)	Oil Capacity (in³)	Collapsed Height A (in)	Extended Height B (in)	Cylinder Bore Dia. C (in)	Outside Dia. D (in)	Plunger Dia. E (in)	Saddle Dia. F (in)	
15	0.99	6C15T01	3.14	9,550	3.11	4.88	5.87	2.00	2.75	1.63	1.50	
	2.01	6C15T02			6.31	5.87	7.88					
	3.98	6C15T04			12.50	7.87	11.85					
	5.87	6C15T06			18.43	10.67	16.54					
	7.87	6C15T08			24.71	12.68	20.55					
	9.88	6C15T10			31.02	14.69	24.57					
	12.01	6C15T12			37.71	16.65	28.66					
	14.02	6C15T14			44.02	18.66	32.68					
25	1.02	6C25T01	5.14	9,730	5.24	5.84	6.86	2.56	3.35	2.24	1.97	
	2.01	6C25T02			10.33	6.82	8.83					
	3.94	6C25T04			20.25	8.78	12.72					
	5.94	6C25T06			30.53	10.79	16.73					
	7.95	6C25T08			40.86	12.80	20.75					
	9.96	6C25T10			51.19	14.80	24.76					
	12.24	6C25T12			62.91	16.73	28.97					
	14.25	6C25T14			73.25	18.74	32.99					
30	8.27	6C30T08	6.49	9,240	53.67	15.24	23.51	2.87	4.00	2.24	2.13	
55	2.01	6C55T02	10.99	10,000	22.09	6.93	8.94	3.74	5.00	3.15	2.76	
	3.98	6C55T04			43.74	8.94	12.92					
	6.22	6C55T06			68.36	11.14	17.36					
	13.27	6C55T13			145.84	18.15	31.42					
75	6.14	6C75T06	16.10	9,320	98.85	11.22	17.36	4.53	5.79	3.74	2.76	
	13.11	6C75T13			211.07	19.37	32.48					
100	6.61	6C100T06	20.57	9,720	135.97	14.06	20.67	5.12	6.97	4.13	2.76	
	10.24	6C100T10			210.64	17.68	27.92					





6C15T06



6C25T10



6C55T06



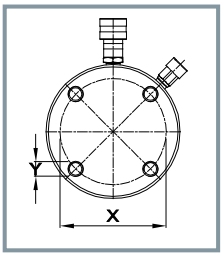
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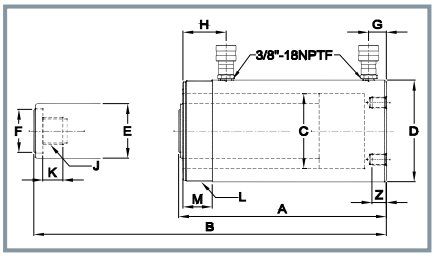
	Base to Inlet Port	Collar Thread	Collar Thread Length	Plunger Internal Thread	Plunger Thread Length	Base Mounting Hole			Product Code
						Bolt Circle	Thread	Thread Depth	
	G (in)	H (in)	L (in)	J (in)	K (in)	X (in)	Y (in)	Z (in)	
	0.98	2 ¾ -16	1.18	1"-8UNC	0.98	1.88	⅜"-16UNC	0.51	6C15T01 6C15T02 6C15T04 6C15T06 6C15T08 6C15T10 6C15T12 6C15T14
	0.98	3 5/16 -12	1.93	1 ½ -16	1.18	2.31	½"-13UNC	0.75	6C25T01 6C25T02 6C25T04 6C25T06 6C25T08 6C25T10 6C25T12 6C25T14
	1.97	3 5/16 -12	1.93	1 ½ -16	1.18	N/A			6C30T08
	1.22	5 - 12	2.17	N/A		3.75	½"-13UNC	0.75	6C55T02 6C55T04 6C55T06 6C55T13
	1.18	5 ¾ - 12	1.73	N/A					6C75T06 6C75T13
	1.57	6 ⅛ - 12	1.73	N/A		5.50	¾"-10UNC	1	6C100T06 6C100T10

WILLIAMS

DOUBLE ACTING CYLINDERS

- Rod wiper seals out dirt and contamination
- High strength steel construction from gun drilled solid bar
- High flow 3/8" NPTF couplers
- One piece high grade alloy bearing for side load protection and long life
- Ideal for pushing and pulling
- Maximum working pressure: 10,000 psi / 700 bar






6CD55T13

DOUBLE ACTING CYLINDER SPECIFICATIONS

Cylinder Capacity	Stroke	Product Code	Maximum Cylinder Capacity		Cylinder Effective Area		Oil Capacity		Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.
(tons)	(in)		Push (ton)	Pull (ton)	Push (in²)	Pull (in²)	Push (in³)	Pull (in)	A (in)	B (in)	C (in)	D (in)
10	10.04	6CD10T10	11.4	3.8	2.23	0.74	22.41	7.47	16.14	26.18	1.69	2.87
	11.97	6CD10T12					26.71	8.90	18.03	30.00		
30	8.15	6CD30T08	32.9	16.2	6.49	3.19	52.93	26.02	15.31	23.46	2.87	3.98
	14.49	6CD30T15					94.09	46.26	21.65	36.14		
55	6.18	6CD55T06	55.7	16.2	10.99	3.19	67.93	19.74	13.03	19.21	3.74	5.00
	13.19	6CD55T13					144.94	42.11	20.04	33.23		
	20.12	6CD55T20					221.09	64.24	28.86	49.98		
75	6.10	6CD75T06	81.7	25.9	16.09	5.12	98.1	31.21	13.70	19.80	4.53	5.75
	13.11	6CD75T13					210.93	67.06	20.71	33.82		
100	6.57	6CD100T06	104.4	48.6	20.57	9.58	135.23	62.98	14.06	20.63	5.12	6.97
	13.11	6CD100T13					269.66	125.58	20.63	33.74		
	18.15	6CD100T18					373.31	173.86	27.05	45.20		

DOUBLE ACTING CYLINDER DIMENSIONS

Product Code	Plunger Dia.	Saddle Dia.	Base to Adv. Port	Top to Return Port	Plunger Internal Thread	Plunger Thread Length	Collar Thread	Collar Thread Length	Base Mounting Hole			Weight (lbs)
									Bolt Circle	Thread	Thread Depth	
	E (in)	F (in)	G (in)	H (in)	J (in)	K (in)	L (in)	M (in)	X (in)	Y (in)	Z (in)	
6CD10T10	1.37	1.38	1.42	2.09	1 - 8	0.98	2¼ - 14	1.02	N/A			26.7
6CD10T12												30.0
6CD30T08	2.13	1.97	1.65	2.91	1½ - 16	0.98	3 5/16 - 12	1.93	N/A			43.0
6CD30T15												60.6
6CD55T06	3.14	2.76	1.14	2.87	1 - 12	0.98	5 - 12	1.73	N/A			70.5
6CD55T13												104.0
6CD55T20			2.48									146.2
6CD75T06	3.75	2.76	1.18	2.80	1 - 12	1.50	5¾ - 12	1.50	N/A			93.7
6CD75T13												136.8
6CD100T06	3.75	2.95	1.22	2.95	1¾ - 12	1.38	6 ⅛ - 12	1.97	5.47	¾ - 10	0.98	138.6
6CD100T13												193.6
6CD100T18			1.50									248.3





6CN55T12

WILLIAMS

LOCK NUT CYLINDERS

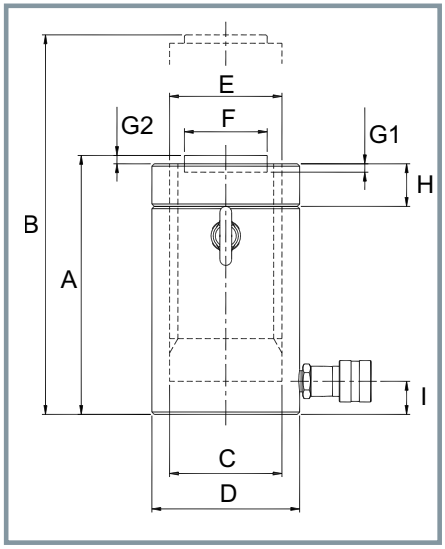
- Single acting cylinder with mechanical safety lock nut
- Designed to support load for extended periods without hydraulic pressure.
- Overflow port prevents cylinders from over travel
- Load return
- Solid steel cylinder body
- Ideal for lifting and holding loads
- Maximum working pressure: 10,000 psi / 700 bar

LOCK NUT CYLINDERS SPECIFICATIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Diameter	Outside Diameter	Plunger Outside Thread
(tons)	(in)		(in^2)	(in^3)	A (in)	B (in)	C (in)	D (in)	E
55	1.97	6CN55T02	10.99	21.65	6.5	8.4	3.7	4.9	Tw95-6N
	3.94	6CN55T04		43.27	8.4	12.4			
	5.91	6CN55T06		64.90	10.4	16.3			
	7.87	6CN55T08		86.54	12.4	20.2			
	9.84	6CN55T10		108.17	14.3	24.2			
	11.81	6CN55T12		129.80	16.3	28.1			
100	1.97	6CN100T02	20.57	40.49	7.4	9.3	5.1	6.5	Tw130-4N
	3.94	6CN100T04		80.98	9.3	13.3			
	5.91	6CN100T06		121.48	11.3	17.2			
	7.87	6CD100T08		161.97	13.3	21.1			
	9.84	6CN100T10		202.46	15.2	25.1			
	11.81	6CN100T12		242.95	17.2	29.0			

LOCK NUT CYLINDERS DIMENSIONS

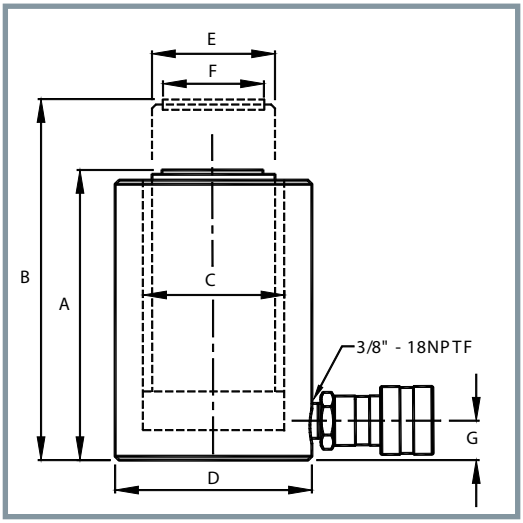
Product Code	Saddle Diameter	Depth of Plunger Hole	Saddle Protrusion from Plunger	Lock Nut Length	Base to Inlet Port	Weight (lbs)
	F (in)	G1 (in)	G2 (in)	H (in)	I (in)	
6CN55T02	2.8	0.08	0.51	1.4	1.1	34.0
6CN55T04						44.5
6CN55T06						55.1
6CN55T08						65.9
6CN55T10						76.5
6CN55T12						87.1
6CN100T02				1.8		67.2
6CN100T04						85.8
6CN100T06						104.3
6CD100T08						122.6
6CN100T10						141.1
6CN100T12						159.6



WILLIAMS

ALUMINUM CYLINDERS

- Lightweight aluminum alloy construction
- Up to 60 percent lighter than comparable tonnage steel rams
- Convenient carry handle
- Hard anodized aluminum piston rod provides extra protection against corrosion and wear
- Maximum working pressure: 10,000 psi / 700 bar





6CA30T06

ALUMINUM CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Internal Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Cylinder Bore Dia.	Outside Dia.	Plunger Dia.	Saddle Dia.	Base to Inlet Port	Weight
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	(lbs)
30	2.00	6CA30T02	6.50	9,231	13.00	6.50	8.50	2.90	4.50	2.50	2.00	1.5	11.0
	4.00	6CA30T04			26.00	8.50	12.50						14.0
	6.00	6CA30T06			39.00	10.50	16.50						17.0
50	2.00	6CA50T02	11.00	9,091	22.00	6.50	8.50	3.70	5.50	3.10	2.50		17.0
	4.00	6CA50T04			44.00	8.50	12.50						21.0
	6.00	6CA50T06			66.00	10.50	16.50						25.0
	10.00	6CA50T10			110.00	14.50	24.50						34.0
75	4.00	6CA75T04	15.00	10,000	60.00	8.50	12.50	4.40	6.50	3.90	3.00		29.0
	6.00	6CA75T06			90.00	10.50	16.50						35.0
100	2.00	6CA100T02	20.70	9,662	41.40	6.50	8.50	5.10	8.00	4.30	3.50		36.0
	4.00	6CA100T04			82.80	8.50	12.50						43.0
	6.00	6CA100T06			124.40	10.50	16.50						51.0
	10.00	6CA100T10			207.0	14.50	24.50						68.0





6CF05T03



6CF10T05



6CF10T05

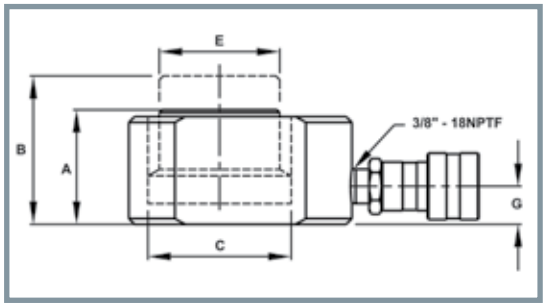


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WILLIAMS®

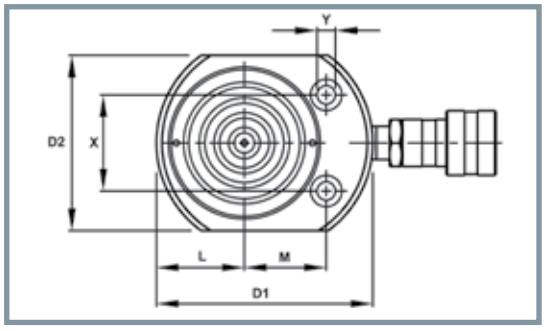
FLAT BODY CYLINDERS

- Made of high quality steel
- Extremely low collapsed height for applications with minimal clearance at the lift point
- Great for areas of low clearance
- Maximum working pressure 10,000 psi / 700 bar



FLAT BODY CYLINDER DIMENSIONS

Product Code	Cylinder Mounting Hole Dimensions (in)			
	Hole Pitch	Hole Dia	Counter Bore Dia.	Counter Bore Depth
	X (in)	Y (in)	(in)	(in)
6CF05T03	1.12	0.2	0.31	0.17
6CF10T05	1.44	0.28	0.42	0.31
6CF20T05	1.94	0.4	0.59	0.39
6CF30T05	2.06	0.4	0.62	0.44



FLAT BODY CYLINDER DIMENSIONS

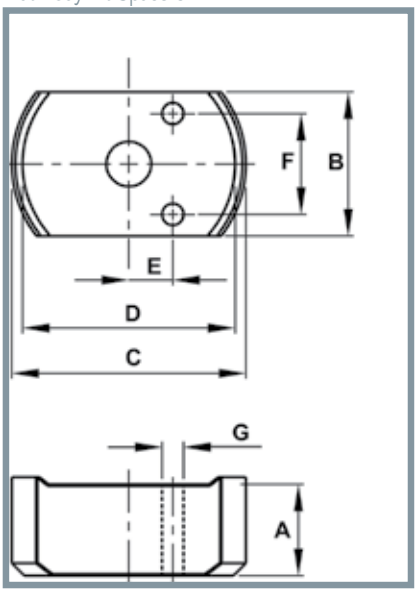
Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dim. D1 x D2	Cylinder Bore Dia.	Plunger Dia.	Base to Port	Plunger to Base	Plunger to Mtg. Hole
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	(in)	C (in)	E (in)	G (in)	L (in)	M (in)
5	0.24	6CF05T03	1.10	9,090	0.26	1.26	1.5	2.4 x 1.6	1.18	0.98	0.69	0.80	0.87
10	0.43	6CF10T05	2.36	8,470	1.01	1.69	2.12	3.3 x 2.2	1.73	1.50	0.77	1.12	1.32
20	0.43	6CF20T05	4.38	9,130	1.88	2.01	2.44	4.0 x 3.0	2.36	2.00	0.75	1.54	1.56
30	0.51	6CF30T05	6.49	9,240	3.31	2.31	2.82	4.6 x 3.8	2.87	2.50	0.79	1.88	1.75

WILLIAMS

FLAT BODY CYLINDER KITS

- Various height magnetic adapters
- Perfect for low clearance areas needing a cylinder height boost
- Maximum working pressure: 10,000 psi / 700 bar
- Kits include magnetic adapters and carrying case

Flat Body Kit Spacers





6CF05T03TB

FLAT BODY CYLINDER KIT DIMENSIONS

Cylinder Capacity (tons)	Stroke (in)	Product Code	Cylinder Model	Oil Capacity (in^3)	Collapsed Height (in)	Includes Adapter	Adapter Dimensions (in) A	B	C	D	E	F	G
5	0.24	6CF05T03TB	6CF05T03	0.26	1.26	I	0.25	1.61	2.56	2.32	0.48	1.10	0.24
						II	0.5						
						III	1						
						IV	1.25						
10	0.43	6CF10T05TB	6CF10T05	1.02	1.69	I	0.39	2.20	3.54	3.23	0.81	1.46	0.28
						II	0.79				N/A		
						III	1.57						
20	0.43	6CF20T05TB	6CF20T05	1.90	2.01	I	0.39	2.99	4.25	3.94	1.08	1.93	0.39
						II	0.79				N/A		
						III	1.57						
30	0.51	6CF30T05TB	6CF30T05	3.32	2.31	I	0.39	3.75	4.76	4.45	1.32	2.06	0.39
						II	0.79				N/A		
						III	1.57						

WARNING

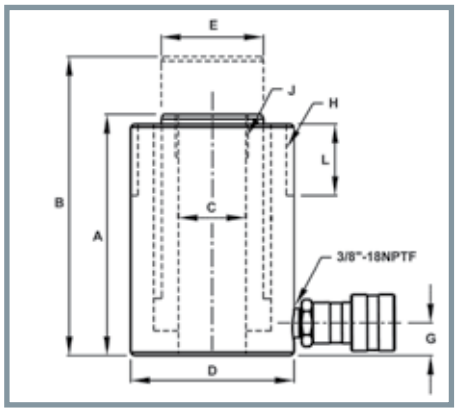


6CH30T06

WILLIAMS

HOLLOW HOLE CYLINDERS

- 6 standard models
- Ideal for some pulling and pushing applications
- Heavy duty compression spring
- Dual wipers help prevent contamination
- Collar thread protector
- High flow coupler with dust cap



HOLLOW HOLE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Cap.	Min. Height	Max. Height	O.D.	Plunger			Internal Thread Length
									I.D.	O.D.	Internal Thread	
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	C (in)	E (in)	J (in)	K (in)
20	2.01	6CH20T02	4.90	8,167	9.83	6.38	8.39	3.92	1.063	2.15	1 5/16"-16UN	0.75
	6.06	6CH20T06			29.70	12.05	18.11					
30	2.52	6CH30T02	6.32	9,488	15.93	7.05	9.57	4.50	1.311	2.48	1 13/16"-16UN	0.87
	6.11	6CH30T06			38.67	13.02	19.13					
60	3.00	6CH60T03	13.05	9,195	39.10	9.77	12.77	6.252	2.126	3.66	2 3/4"-16UN	0.75
100	3.00	6CH100T03	22.13	9,036	66.31	10.00	13.00	8.386	3.110	4.92	4"-16UN	0.98

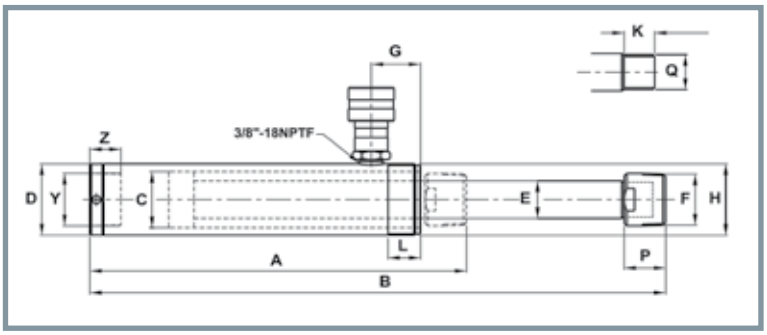
HOLLOW HOLE CYLINDER SPECIFICATIONS

Product Code	Collar Thread		Base to Inlet Port	Base Mounting Hole			Weights
	Dia.	Lgth.		Bolt Circle	Thread	Thread Depth	
	H (in)	L (in)	G (in)	X (in)	Y (in)	Z (in)	(lbs)
6CH20T02	3 1/8-12	1.50	0.75	3.25	3/8"-16UNC	0.37	15.9
6CH20T06							29.5
6CH30T02	4 1/2-12	1.75	0.81		3/8"-16UNC	0.55	22.9
6CH30T06							43.0
6CH60T03	6 1/4-12	2	1.00		1/2"-13UNC	0.55	65.7
							81.1
6CH100T03	6 3/8-12	2.38	1.06	7.01	5/8"-11UNC	0.75	113.3

WILLIAMS

PULL CYLINDERS

- High strength steel construction
- One piece high grade alloy bearing for side load protection and longer life
- Polyurethane cup seal helps provide optimum performance
- External plunger threads
- Internal base threads
- Used for pulling and tensioning
- Maximum working pressure: 10,000 psi / 700 bar





6CPO2T05

PULL CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Cylinder Bore Dia.	Top to Inlet Port	Collar	
											Thread	Thread Length
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	C (in)	G (in)	H (in)	L (in)
2.5	5.00	6CP02T05	0.56	8,930	2.78	10.55	15.55	1.89	1.13	1.65	1 ½"-16	0.98
5	5.55	6CP05T05	1.14	8,770	6.34	11.85	17.35	2.25	1.69	1.50	2 ¼"-14	1
10	5.95	6CP10T06	2.44	8,200	14.48	11.75	17.7	3.35	2.17	1.50	M85x2	1

Product Code	Adapter		Plunger			Base Mounting Hole	
	Thread	Length	Dia.	Thread Length	Thread	Thread	Depth
	F (in)	P (in)	E (in)	K (in)	Q (mm)	H	Z (in)
6CP02T05	¾"-14NPTF	1.13	0.75	0.76	M16x1.5	¾"-14NPTF	0.72
6CP05T05	1 ¼"-11.5NPTF	1.25	1.18	0.93	M28x1.5	1 ¼"-11.5NPTF	0.95
6CP10T06	-	-	1.26	1.02	M30x2	M30x2	0.98



⚠ WARNING



6C10T06

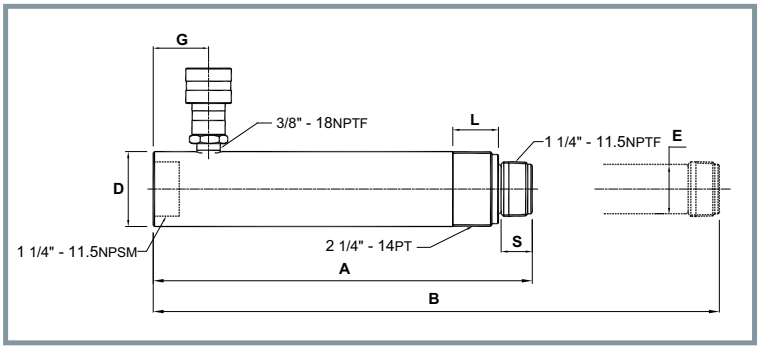


6C10T10

WILLIAMS

THREADED HOLE CYLINDERS

- High quality threaded single acting cylinders
- Removable threaded plunger adapter allows for the use of a variety of threaded attachments
- Used to attach accessories to rod end and base
- Maximum working pressure: 10,000 psi / 700 bar



THREADED HOLE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Plunger Dia.	Base to Inlet Port	Collar Thread Length	Saddle Height
(tons)	(in)		(in^2)	(psi)	(in^3)	A (in)	B (in)	D (in)	E (in)	G (in)	L (in)	S (in)
10	5.95	6CT10T06	2.24	8,930	13.33	11.46	17.41	2.26	1.49	1.67	1.13	0.94
10	9.96	6CT10T10			22.31	15.47	25.43					

WILLIAMS®

LOW PROFILE CYLINDERS

- Compact design for use in confined spaces
- Rod wiper helps seal out dirt and contamination
- Specially designed return spring ensures a quick retraction and extends the life of the spring
- Industrial hard chrome plated ram helps prevent scratching and corrosion
- Plunger end is grooved to reduce load slippage
- Includes high flow ball coupler and dust cap
- Coupler is tilted upward for added clearance
- Maximum working pressure: 10,000 psi/700 bar



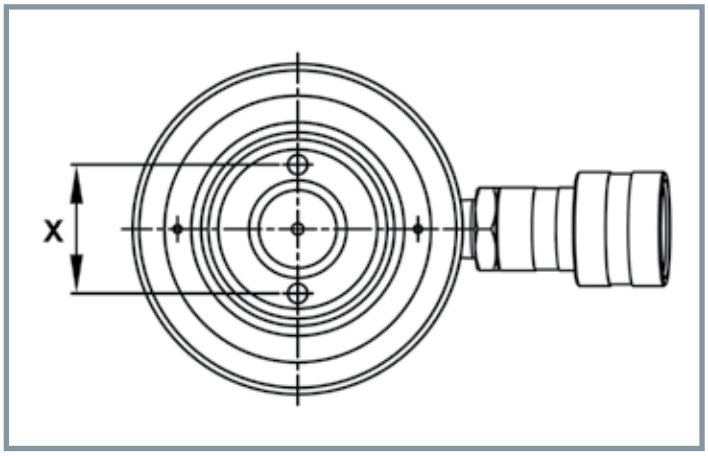
6CL20T02

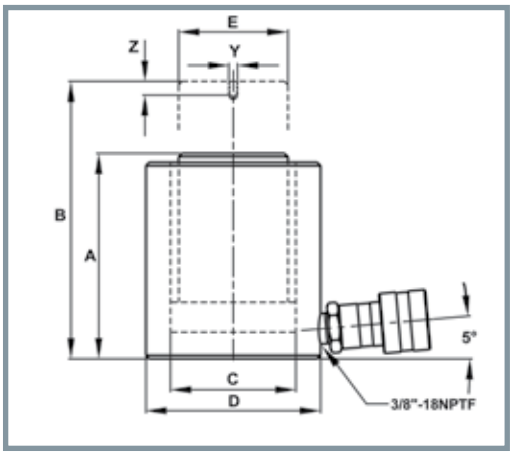


6CL30T02



6CL10T01





LOW PROFILE CYLINDER DIMENSIONS

Cylinder Capacity	Stroke	Product Code	Cylinder Effective Area	Internal Pressure at Capacity	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Plunger Mounting		
											Bolt Circle	Thread	Thread Depth
						A	B	D	C	E	X	Y	Z
(tons)	(in)		(in^2)	(psi)	(in^3)	(in)	(in)	(in)	(in)	(in)	(in)	(mm)	(in)
10	1.50	6CL10T01	2.35	8,511	3.53	3.48	4.98	2.75	1.73	1.50	1.03	M4	0.32
20	1.75	6CL20T02	4.37	9,153	7.65	3.90	5.65	3.63	2.36	2.00	1.56	M4	0.32
30	2.44	6CL30T02	6.49	9,245	15.84	4.61	7.05	4.00	2.87	2.50	1.56	M5	0.32



WILLIAMS

HAND PUMPS

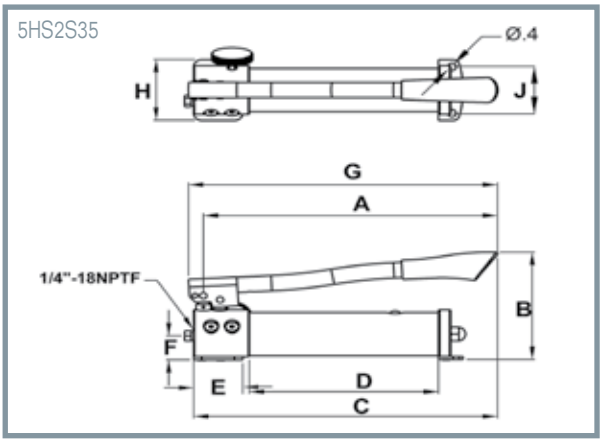
- 5HS2S35, 5HS2S100 and 5HS2S200 feature 2 speed operation
- Pressure relief valve for overload protection
- Load release valve for single acting cylinder usage
- Large oil capacities to power a wide range of cylinders and tools
- 5HS2S35 and 5HS2S100 are constructed of high strength lightweight aluminum alloy for easy handling and corrosion resistance
- All hand pumps function in horizontal positions and will also function in some vertical positions
- Maximum working pressure: 10,000 psi / 700 bar

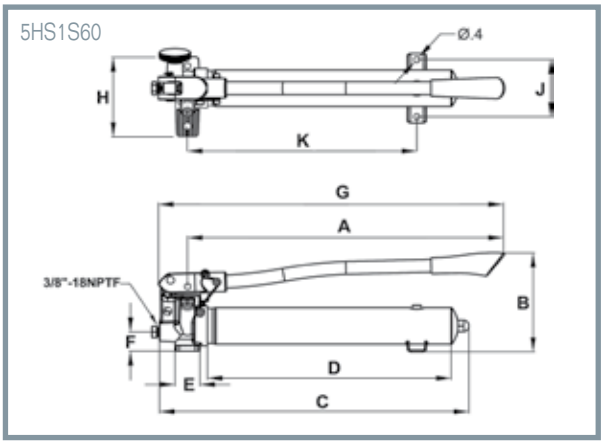


5HS1S60



5HS2S35





HAND PUMP SPECIFICATIONS

Used with Cylinder	Pump Type	Usable Oil Capacity	Product Code	Pressure Rating (psi)		Oil Displacement per Stroke (in^3)		Max. Operating Force	Piston Stroke	Oil Outlet Port
		(in^3)		1st Stage	2nd Stage	1st Stage	2nd Stage	(lbs)	(in)	
Single Acting	Single-speed	36.5	5HS1S60		10,000		0.15	109	0.79	3/8"-18NPTF
	Two-speed	21.4	5HS2S35	200		0.18	0.05	88	0.38	1/4"-18NPTF
		61.0	5HS2S100			0.81	0.14	132	0.82	3/8"-18NPTF
		128.0	5HS2S200							

WILLIAMS®

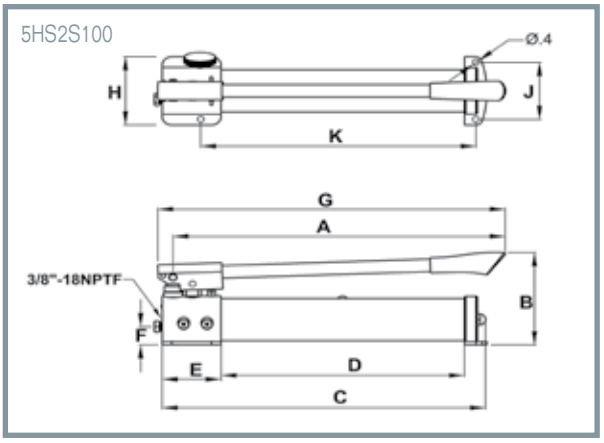
HAND PUMPS

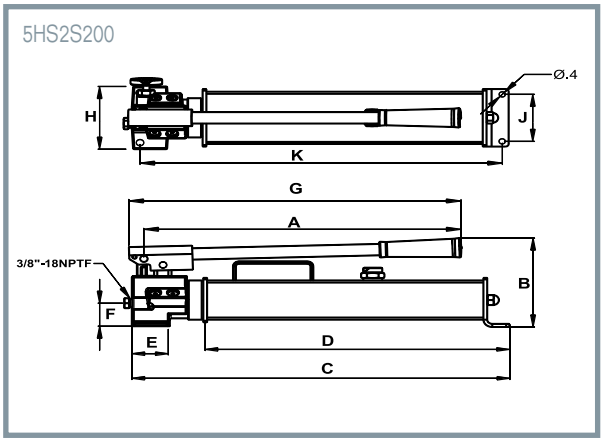


5HS2S100



5HS2S200





HAND PUMP DIMENSIONS

Product Code	Dimensions (in)									
	A	B	C	D	E	F	G	H	J	K
5HS1S60	18.94	6.46	19.53	15.35	1.57	1.26	20.79	5.20	3.74	14.45
5HS2S35	13.43	5.91	13.89	9.09	2.36	1.34	14.13	3.35	2.56	-
5HS2S100	19.69	6.38	19.88	14.96	3.62	1.26	20.63	4.72	3.94	16.93
5HS2S200	19.75	6.64	23.69	18.37	2.36	1.73	20.71	4.72	3.54	22.56



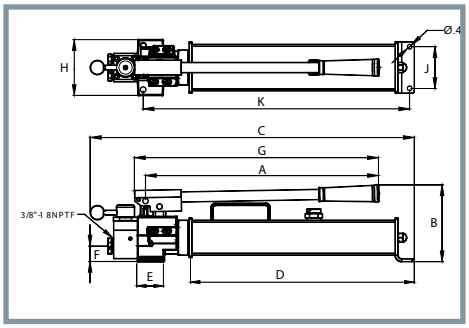


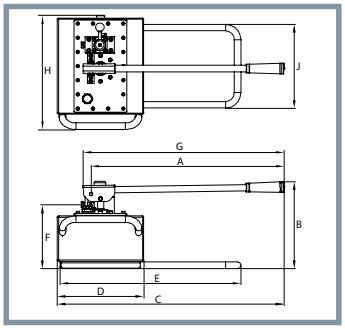
5HD2S500

WILLIAMS

DOUBLE ACTING HAND PUMPS

- A 4-way control valve for operation of double acting cylinders
- Large oil capacities to power a wide range of cylinders and tools
- Two speed operation increases productivity and reduces user fatigue





DOUBLE ACTING HAND PUMP SPECIFICATIONS

Used with Cylinder	Pump Type	Usable Oil Capacity	Product Code	Pressure Rating		Oil Displacement per Stroke		Max. Operating Force	Piston Stroke	Oil Outlet Port	Weight
				1st Stage (psi)	2nd Stage (psi)	1st Stage (in^3)	2nd Stage (in^3)	(lbs)	(in)		(lbs)
Double Acting	Two Speed	128.0	5HD2S100	200	10,000	0.81	0.14	132	0.82	3.8"-18NPTF	32.2
		476.0	5HD2S500	290		7.31	0.29	143	1.67		77.4

DOUBLE ACTING HAND PUMP DIMENSIONS

Product Code	Dimensions (in)									
	A	B	C	D	E	F	G	H	J	K
5HD2S100	19.75	6.64	23.69	18.37	2.36	1.73	20.71	4.72	3.54	22.56
5HD2S500	25.79	11.61	30.35	11.54	24.17	8.25	26.94	15.24	11.18	-

WILLIAMS

AIR PUMPS

- High strength reinforced aluminum alloy reservoir is lightweight and corrosion resistant
- Pressure relief valve for overload protection
- Suggested air pressure range: 90-175 psi / 6-12 bar
- Designed to be used with single acting cylinders
- Dust cover protection for the release control valve
- Dual stage release control valve
- 5AS200 offers a turbo function that features high flow at high pressure condition
- 5AD150M offers a 4-way control valve for operation of double acting cylinders
- Maximum working pressure: 10,000 psi / 700 bar



5AD150M



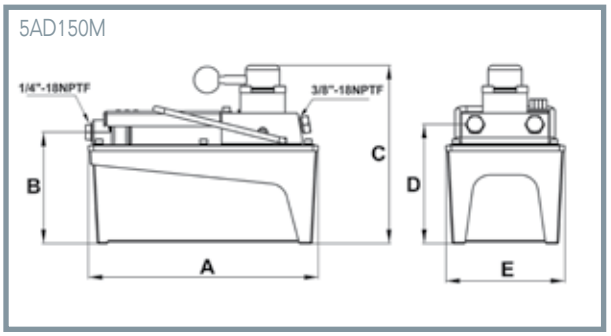
5AS150L

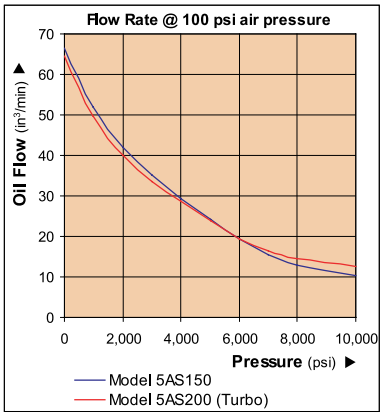


5AS200

AIR PUMP SPECIFICATIONS

Used with Cylinder	Usable Oil Capacity (in^3)	Product Code	Pressure Rating (psi)	Oil Output Flow Rate (in^3/min) No Load	Oil Output Flow Rate (in^3/min) Load	Input Air Pressure Range (psi)	Dimensions (in) A	B	C	D	E
Single Acting	36.6	5AS60	10,000	61	9	100-200	16.54	9.84	7.01	6.18	5.59
	91.5	5AS150		66	11		10.35	5.00	7.28	5.16	5.35
	122.1	5AS200		65	12		11.57	6.02	7.91	6.18	5.98
	231.9	5AS380		65	11		12.64	5.08	7.36	5.24	7.36
	91.5	5AS150L		61	10		10.98	6.30	8.03	5.12	5.35
	231.9	5AS380L		61	10		12.64	6.42	8.15	5.20	7.36
Double Acting	91.5	5AD150M	10,000	66	11	100-200	10.35	5.00	7.99	5.35	5.35









5AS60

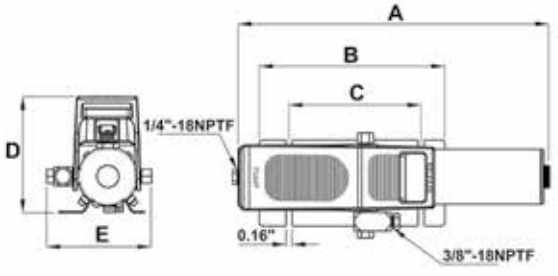


5AS150

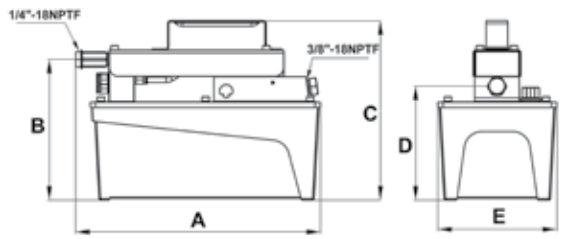


5AS380L

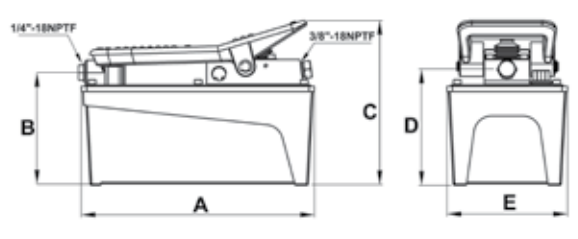
5AS60



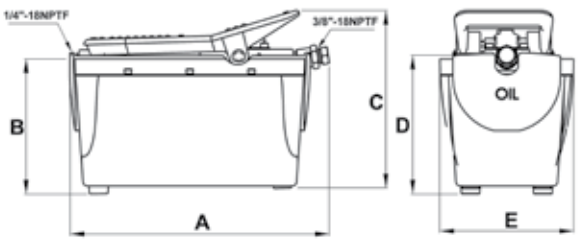
5AS150L & 5AS380L



5AS150 & 5AS380



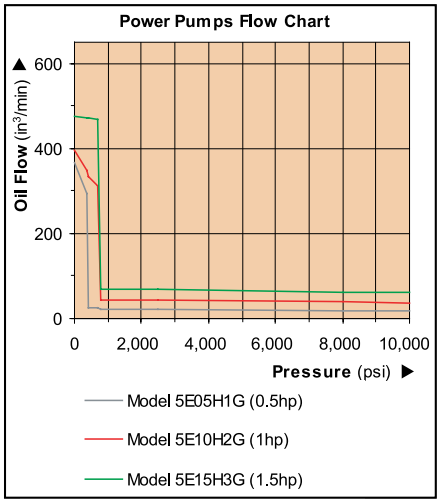
5AS200



WILLIAMS®

ELECTRIC PUMPS

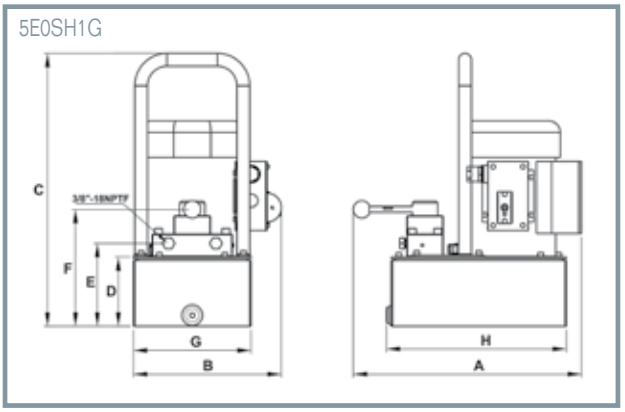
- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal filter keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- Precision components to minimize wear and improve overall dependability
- Designed to minimize the number of moving parts and maximize overall pump efficiency
- Ideal for on site construction as well as maintenance



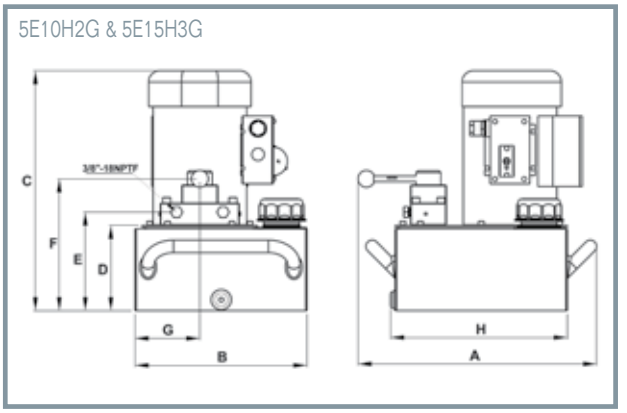


5E10H2GR

5E0SH1G



5E10H2G & 5E15H3G







5E0SH1G



5E10H2G

ELECTRIC PUMP DIMENSIONS

Product Code	Dimensions (in)							
	A	B	C	D	E	F	G	H
5E05H1G	14.92	10.28	19.09	4.72	5.67	7.99	8.07	12.36
5E10H2G	16.65	12.01	17.83	5.94	6.89	9.21	4.53	12.36
5E15H3G	16.65	12.01	19.72	7.24	8.19	10.51	4.53	12.36

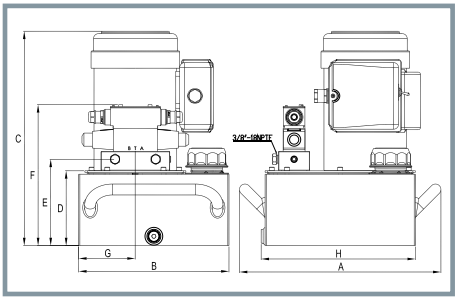
ELECTRIC PUMP SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Product Code with Remote Control Pendant Switch	Max. Output Pressure	Oil Output Flow Rate		Valve Type	Valve Function	Current Draw	Motor Voltage	Sound Level
					1st Stage	2nd Stage					
(hp)	(gal)			(psi)	(in^3)				(amps)	(volts)	(dBA)
0.5	1.0	5E05H1G	5E05H1GR	10,000	293	18	4-way, 3-pos.	Advance Hold Return	8	115	80
1.0	2.0	5E10H2G	5E10H2GR		397	37			15		
1.5	3.0	5E15H3G	5E15H3GR		476	61			17		

WILLIAMS

ELECTRIC PUMPS WITH SOLENOID VALVE

- Quiet operation meets OSHA regulations (80dBA)
- Ideal for applications where a remote control is required
- 2 speed operations allows for faster cylinder advance
- Full load starting capabilities
- Internal filter keeps contamination from damaging pump
- 10 foot hand held remote controls the solenoid valve





ELECTRIC PUMP WITH SOLENOID VALVE SPECIFICATIONS

Used with Cylinder	Motor Size (hp)	Usable Oil Capacity (gal)	Product Code	Pressure Rating 1st Stage (psi)	Pressure Rating 2nd Stage (psi)	Oil Output Flow Rate 1st Stage (in³/min)	Oil Output Flow Rate 2nd Stage (in³/min)	Valve Type	Valve Function	Current Draw (amps)	Motor Voltage (volts)	Weight (lbs)
Single Acting	0.5	1	5ES05H1G	350	10,000	293	18	3-way, 3-position	Advance/ Hold/ Return	9	115	61.5
		2	5ES05H2G									65.3
	1	2	5ES10H2G	700		311	37			12		72.6
	1.5	3	5ES15H3G			470	61			17		90.4
		5	5ES15H5G									98
Double Acting	0.5	1	5ES05H1GR	350		293	18	4-way, 3-position		9		61.5
		2	5ES05H2GR									65.3
	1	2	5ES10H2GR	700		311	37			12		72.6
	1.5	3	5ES15H3GR			470	61			17		72.6
		5	5ES15H5GR									98

ELECTRIC PUMP WITH SOLENOID VALVE DIMENSIONS

Product Code	Dimensions (in) A	B	C	D	E	F	G	H
5ES05H1G	12.74	10.26	19.10	4.72	5.65	10.00	8.07	12.32
5ES05H2G	12.74	10.26	19.10	4.72	5.65	10.00	8.07	12.32
5ES10H2G	17.88	12.01	17.88	5.98	6.90	11.26	4.51	12.32
5ES15H3G	17.88	12.01	17.88	5.98	6.90	11.26	4.51	12.32
5ES15H5G	16.10	12.01	17.13	5.98	6.90	11.26	4.51	12.32
5ES05H1GR	16.10	12.01	17.13	5.98	6.90	11.26	4.51	12.32
5ES05H2GR	16.10	12.01	19.78	7.28	8.20	12.56	4.51	12.32
5ES10H2GR	16.10	12.01	19.78	7.28	8.20	12.56	4.51	12.32
5ES15H3GR	16.10	12.01	24.78	12.28	13.20	17.56	4.51	12.32
5ES15H5GR	16.10	12.01	24.78	12.28	13.20	17.56	4.51	12.32



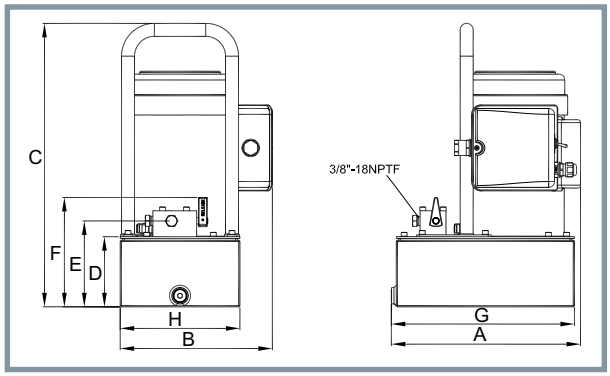


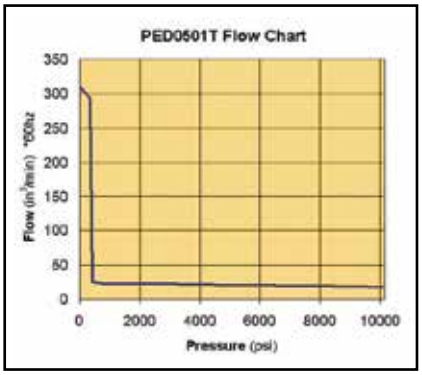
5EA05HIG

WILLIAMS

ELECTRIC PUMP WITH AUTO RETURN VALVE

- Quiet operation meets OSHA regulations (80dBA)
- Best suited for punching, crimping and cutting applications
- 2 speed operation allows for faster cylinder advance
- Full load starting capabilities
- Internal filter keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- 10 ft. remote pendant switch to control motor on/off





ELECTRIC PUMP WITH AUTO RETURN VALVE SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Pressure Rating		Oil Output Flow Rate		Valve Type	Valve Function	Current Draw	Motor Voltage	Sound Level	Weight
			1st Stage	2nd Stage	1st Stage	2nd Stage						
(hp)	(gal)		(psi)		(in^3/min)				(amps)	(volts)	(dBA)	(lbs)
0.5	1.0	5EA05HIG	350	10,000	233	18	2-way, 2-position	*Advance/ Return	9	115	80	66.2

*** Holds pressure in advance position when motor is off.**

ELECTRIC PUMP WITH AUTO RETURN VALVE DIMENSIONS

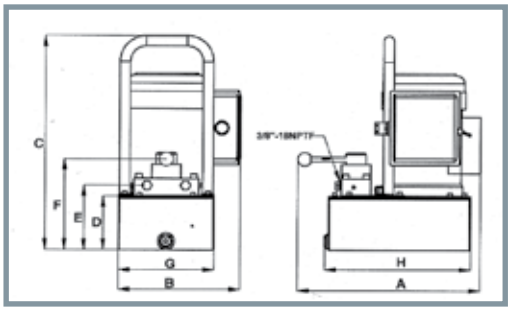
Product Code	Dimensions (in)						
	A	B	C	D	E	F	G
5EA05HIG	12.76	10.28	19.09	4.72	5.79	7.36	12.36

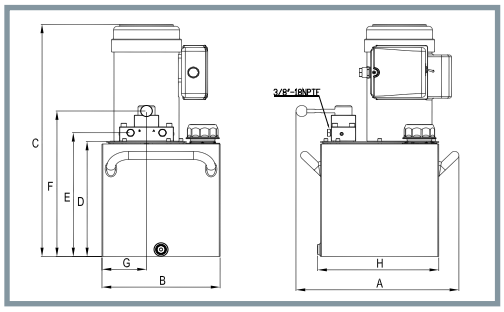
WILLIAMS®

ELECTRIC PUMPS WITH PENDANT SWITCH

- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal filter keeps contamination from damaging pump
- 10 foot hand held remote control allows user to control cylinder in up or down position







ELECTRIC PUMP WITH SOLENOID VALVE SPECIFICATIONS

Used with Cylinder	Motor Size (hp)	Usable Oil Capacity (gal)	Product Code	Pressure Rating 1st Stage (psi)	Pressure Rating 2nd Stage (psi)	Oil Output Flow Rate 1st Stage (in³/min)	Oil Output Flow Rate 2nd Stage (in³/min)	Valve Type	Valve Function	Current Draw (amps)	Motor Voltage (volts)	Weight (lbs)
Single Acting	0.5	1.0	5E05H1GR	350	10,000	293	18	3-way, 3-position	Advance/ Hold/ Return	9	115	59.5
	1.0	2.0	5E10H2GR	700		397	37			12		70.5
	1.5	3.0	5E15H3GR			476	61			17		88.5

ELECTRIC PUMP WITH SOLENOID VALVE DIMENSIONS

Product Code	Dimensions (in) A	B	C	D	E	F	G	H
5E05H1GR	14.92	10.28	19.10	4.72	5.67	7.99	8.07	12.36
5E10H2GR	16.65	12.01	17.83	5.94	6.89	9.21	4.53	12.36
5E15H3GR	16.65	12.01	19.72	7.24	8.19	10.51	4.53	12.36



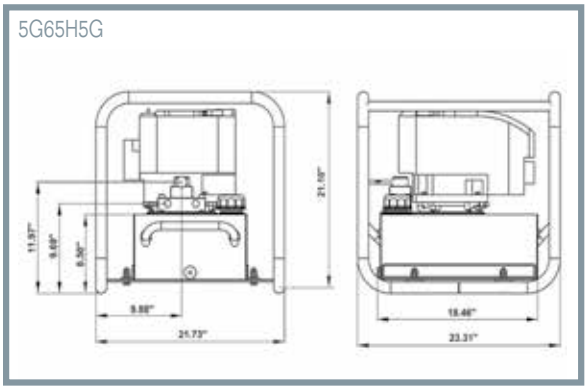


5G65H5G

WILLIAMS

GAS ENGINE PUMP

- Gas pump will provide 10,000 psi hydraulic force at remote locations
- Industrial grade 5.5 hp Honda gas engine
- Manual control valve for use with single or double acting cylinders or tools
- Two speed pump designed for rapid cylinder advance
- Gas pump features a sturdy protective roll cage for use in the toughest environments



ENGINE PUMP SPECIFICATIONS

Motor Size	Usable Oil Capacity	Product Code	Pressure Rating (psi)		Oil Output Flow Rate (in^3)		Valve Type	Valve Function	Rotation Speed	Sound Level
(hp)	(gal)		1st Stage	2nd Stage	1st Stage	2nd Stage			(rpm)	(dBA)
5.5	5.0	5G55H5G	700	10,000	427	100	3-way 3-position	Advance/Hold/Return	3600	93

WILLIAMS

PUMP & CYLINDER COMBOS

Matched sets provide a combination of components for single acting cylinder applications. Ordering is as easy as 1, 2, 3.

1. Select the cylinder you want
2. Select the pump you want
3. Choose the set number



1HP25T06

PUMP & CYLINDER COMBINATIONS

Type	Combo Capacity	Cylinder			Combo Model Number					
		Product Code	Stroke	Collapsed Height	with Hand Pump			with Air Pump		
	(tons)		(in)	(in)	5HS2S35	5HS2S100	5HS2S200	5AS150	5AS150L	5AS380
Single Acting Cylinders	5	6C05T05	5.08	8.70	1HP05T05					
	10	6C10T02	2.01	4.84		1HP10T02		1AP10T02		
		6C10T06	5.94	9.84		1HP10T06		1AP10T06	1AP10T06L	
		6C10T10	9.96	13.86		1HP10T10		1AP10T10	1AP10T10L	
		6CT10T06	5.95	11.46		1HP10T06T		1AP10T06T	1AP10T06TL	
		6CT10T10	9.96	15.47		1HP10T10T		1AP10T10T	1AP10T10TL	
	15	6C15T04	3.86	8.66		1HP15T04		1AP15T04		
		6C15T06	5.87	10.67		1HP15T06		1AP15T06		
	25	6C25T02	2.01	6.82		1HP25T02		1AP25T02		
		6C25T04	3.94	8.78		1HP25T04		1AP25T04		
		6C25T06	5.94	10.79		1HP25T06		1AP25T06		
		6C25T08	7.95	12.80			1HP25T08	1AP25T08		
	55	6C55T06	6.25	11.13			1HP55T06	1AP55T06		
	100	6C100T06	6.63	13.25						1AP100T06
Single Acting Low Profile Cylinder	10	6CL10T01	1.50	3.48	1HP10T01L			1AP10T01L		
	20	6CL20T02	1.75	3.90	1HP20T02L			1AP20T02L		
	30	6CL30T02	2.44	4.61		1HP30T02L		1AP30T02L		

Set includes cylinder, pump, 6-foot hydraulic hose, high flow coupler and fitting. Some kits include a 2 ½" gauge.

⚠ WARNING

AIR PUMP AND SINGLE-ACTING CYLINDER MATCHING CHART

Capacity (Tons) ▶ Stroke (Inches) ▼	5	10	15	25	30	55	75	100
<1.00								
1.00								
2.00								
3.00								
4.00								
5.00								
6.00								
7.00								
8.00								
9.00								
10.00								
12.00								
13.00								
14.00								
	 5AS60	 5AS150				 5AS380		

Note: Selection based on oil capacity requirements of cylinders. **Not Recommended**

HAND PUMP / E-PUMP AND SINGLE-ACTING CYLINDER MATCHING CHART

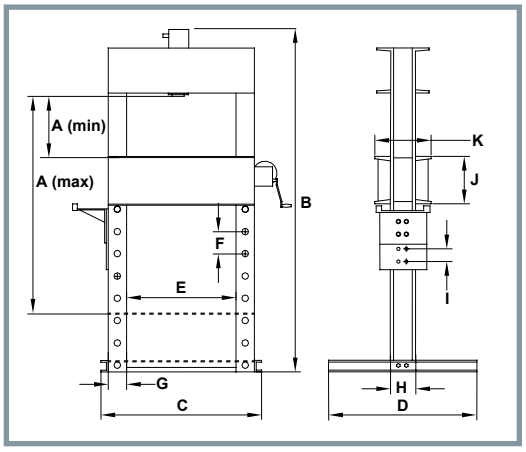
Capacity (Tons) ▶ Stroke (Inches) ▼	5	10	15	25	30	55	75	100
<1.00								
1.00								
2.00								
3.00								
4.00								
5.00								
6.00								
7.00								
8.00								
9.00								
10.00								
12.00								
13.00								
14.00								
	 5HS2S35	 5HS2S100		 5HS2S200		 5E10H2G		

Note: Selection based on oil capacity requirements of cylinders.

WILLIAMS

55/100 TON SHOP PRESS

- Heavy steel welded construction
- Multi-position bed for work height adjustment
- Ideal for the removal or installation of gears, universal joints, pulleys, wrist pins, and other press jobs
- Excellent for bending, bonding or straightening applications





55/100 TON SHOP PRESS SPECIFICATIONS

Product Code	Capactiy (Tons)	Pump Model	Pump Type	Stroke Length	Bed Position	Product Size (H X L X W)	Working Space (A Min. / A Max.) (in)	Weight (lbs)
9A55T06	55	5AS150	AIR	6	9	79" X 56" X 30"	14" ~ 55-1/2"	760
9E55T06		5E05H1GR	ELECTRIC	6				
9H55T06		5HS25200	MANUAL	6				
9A55T13		5AS380	AIR	13				
9E55T13		5E05H1GR	ELECTRIC	13				
9E100T10	100	5E10H2GR	ELECTRIC	10	8	89" X 63" X 30"	11-1/4" ~ 51"	1550

55/100 TON SHOP PRESS DIMENSIONS

Product Code	Dimensions (in)											
	A (Min.)	A (Max.)	B	C	D	E	F	G	H	I	J	K
9A55T06	14	55.5	79	56	30	35.4	6	4	9	3	10	14.8
9E55T06												
9H55T06												
9A55T13												
9E55T13												
9E100T10	11.3	51	89	63	30	35.5	8	N/A	10	N/A	12	16





4T06T



4T10T

WILLIAMS

TOE JACKS

- Heat treated and chrome plated medium-carbon steel cylinder
- Chrome plated ram promotes longer seal life and optimum performance
- U.S. Patented by-pass device protects hydraulic system from over traveling damage

TOE JACK DIMENSIONS

Capacity	Product Code	Toe Saddle		Head Saddle		Hydraulic Lifting
		Min. Height	Max. Height	Min. Height	Max. Height	
(tons)		(in)	(in)	(in)	(in)	(in)
6	4T06T	0.88	6.00	10.50	15.63	5.13
10	4T10T	1.13	6.25	11.00	16.13	



3S20TV

WILLIAMS

SIDE PUMP BOTTLE JACK

- Hydraulic system is protected from internal damage by a patented by-pass mechanism
- Machined and polished cylinders with die-cut threads provide non-abrasive leak-free, durable performance
- Fabricated from hard-cast steel with heat-treated critical stress areas
- Serrated heat-treated saddle provides generous lifting area and secure grip
- Heat-treated extension screw allows low pick-up height adjustment and maximum lift height
- U.S. patented built-in by-pass device protects hydraulic system from overpumping damage
- Unique cross-type forged release valve assures positive control
- A wide, rugged base provides stability and strength
- Critical stress points are reinforced in all models for added durability and dependability
- Economically priced for maximum value

SIDE PUMP BOTTLE JACK DIMENSIONS

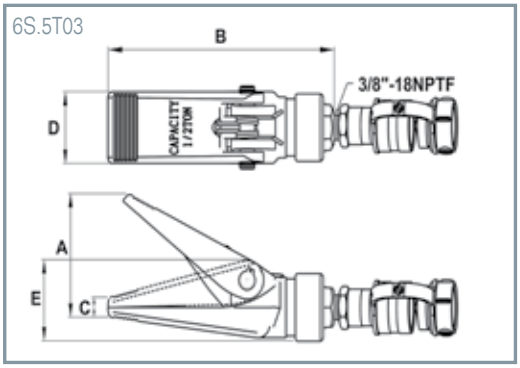
Capacity	Product Code	Min. Height	Max. Height	Extension Screw	Hydraulic Lifting	Base Size (L x W)
(tons)		(in)	(in)	(in)	(in)	(in)
12	3T12TV	9.50	18.63	3.13	6.00	5.25 x 5.13
	3S12TV	6.00	10.63	1.63	3.00	
20	3T20TV	9.50	18.63	3.13	6.00	6.25 x 5.88
	3S20TV	6.50	11.25	1.63	3.13	

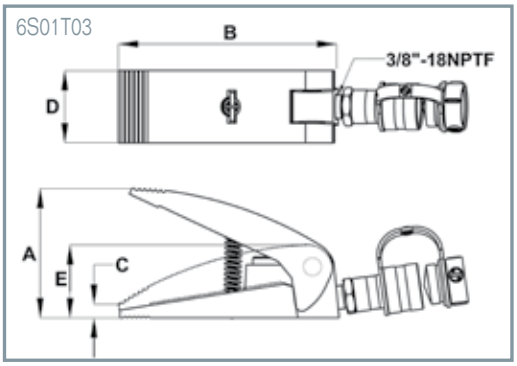
WILLIAMS®

SPREADERS



6S.5T03







6S01T03

SPREADER DIMENSIONS

Cylinder Capacity	Product Code	Cylinder Effective Area	Oil Capacity	Dimensions (in)				
(tons)		(in^2)	(in^3)	A	B	C	D	E
0.5	6S.5T03	1.22	0.58	3.54	7.57	0.51	2.05	2.36
1	6S01T03	1.09	0.86	3.90	6.57	0.47	2.17	2.20

⚠ WARNING



4M10T

WILLIAMS

MAINTENANCE KITS

- Sets are portable for easy use in the plant or on the job site
- Custom fitted, rugged blow molded storage case
- 10 ton set has wheels for easy movement
- Designed for applications of pushing, spreading, pressing and more
- Pumps are rated from 8,000 to 10,000 psi

MAINTENANCE KITS

Contents of Kit	Product Code	
	4M04T	4M10T
Hand Pump	X	X
Ram	X	X
Hose Assembly	X	X
Hose Coupler	X	X
Ram Coupler	X	X
Case	X	X
Hydraulic Spreader	X	X
Combination Head (90°)	X	X
Rubber Head	X	X
Ram Toe	X	X
Plunger Toe	X	X
Flat Base	X	X
Serrated Saddle	X	X
Wedge Head	X	X
Male Connector	X	X
Extension Tubes Included	3"	4"
	6 ⅛"	10"
	8 ½"	18"
	16 ½"	27"
	19 ½"	

Capacity	Product Code	Ram		Number of Attachments
		Collapsed Height	Extended Height	
(tons)		(in^2)	(in^3)	
4	4M04T	11.00	15.75	14
10	4M10T	13.63	19.75	13

*When extension tubes and/or offset attachments are used, the capacity is reduced.

WILLIAMS

GAUGES, ADAPTERS, HOSES & HYDRAULIC OIL


8G04W


8G025W

GAUGE SPECIFICATIONS

Gauge Type	Product Code	Face Dia.	Thread	Pressure Range		Graduation			
						Major Graduation	Minor Graduation	Major Graduation	Minor Graduation
		(in)	(in)	(psi)	(bar)	(psi)		(bar)	
Wet	8G025W	2.50	¼"-18NPTF	0-10,000	0-700	1,000	100	100	10
	8G04W	4.00				2,000	200		

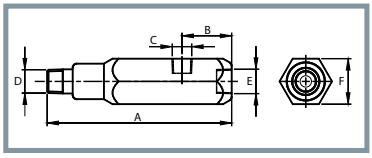

8FG38MF


8FB25F38M


8FR38M25F

GAUGE ADAPTER SPECIFICATIONS

Product Code	Dimensions (in)					
	A	B	C	D	E	F
8FG38MF	5.12	1.38	¼"-18NPTF	⅜"-18NPTF	⅜"-18NPTF	1.25




8H3838D06

ADAPTER SPECIFICATIONS

Description	Product Code	Male Thread	Female Thread	Dimensions (in)	
		C	D	A	B
Adapter	8FR38M25F	¼"-18NPTF	⅜"-18NPTF	1.39	0.91
Bushing	8FB25F38M	⅜"-18NPTF	¼"-18NPTF	0.87	0.67


8H2525D06


8H3825D06

HOSE SPECIFICATIONS

Hose I.D.	Product Code	Hose End Fittings	Operating Pressure	Hose Length	Weight
(in)			(psi)	(ft)	(lbs)
¼"	8H2525D006	¼"-18NPTF	10,000	6	2.5
	8H3825D006	⅜"-18NPTF		6	3.0
	8H3825D10			10	5.0
	8H3825D20			20	10.5
⅜"	8H2538D06	¼"-18NPTF		6	3.2
	8H3838D006	⅜"-18NPTF		6	3.5
	8H3838D10			10	6.5
	8H3838D20			20	13.5


8H1G

HYDRAULIC OIL

Volume	Product Code	Viscosity Index	Viscosity @ 100°F	Viscosity @ 210°F	ASTM Grade	Flash Point	Pour Point	API Gravity
(gal)		(min)	(S.U.S.)	(S.U.S.)		(°F)	(°F)	
1	8H1G	144	234	53	215	403	-33	30.8







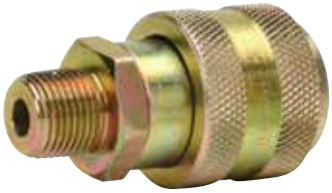
8R38D

WILLIAMS®

COUPLERS

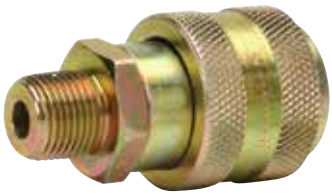


8RH38DM



8RH38DF

8RH38D





8RH38D

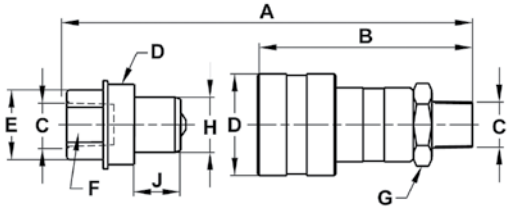


8R38DM

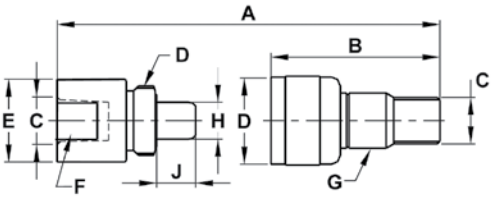


8R38DF

8RH38D



8R38D



COUPLER DIMENSIONS

Coupler Type	Product code			Dimensions (in)				
	Complete Set	Male Half	Female Half	A*	B	C	D	E
High-Flow Coupler	8RH38D	8RH38DM	8RH38DF	3.35	2.84	3/8"-18NPTF	1 3/16"-16	1.10
Regular-Flow Coupler	8R38D	8R38DM	8R38DF	3.15	2.2	3/8"-18NPTF	15/16"-20	1.04

*** Value A is total length when male and female valves are connected.**

WILLIAMS

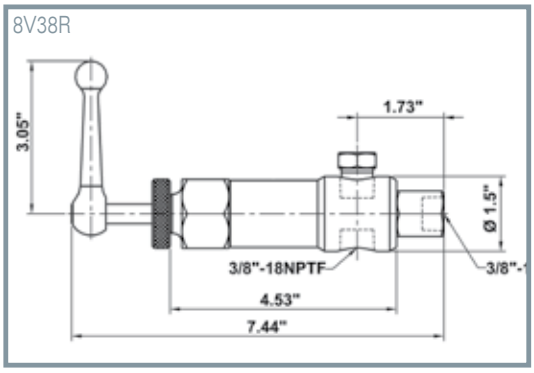
FLOW CONTROL VALVES

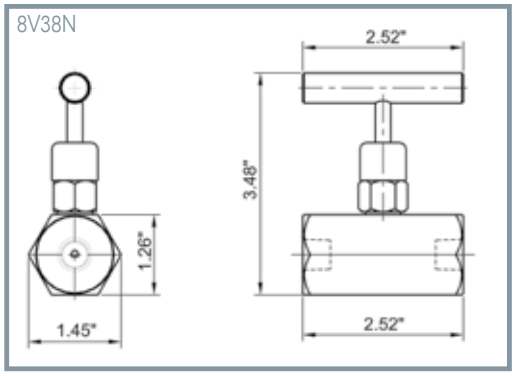


8V38R

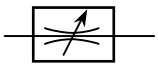
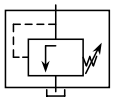


8V38N





VALVE SPECIFICATIONS

Valve Type	Product Code	Ports	Application	Hydraulic Symbol
Needle Valve	8V38N	3/8"-18NPTF	Controls cylinder speed and treats as temporary shut-off valve for load holding.	
Pressure Relief Valve	8V38R	3/8"-18NPTF	Controls pressure developed by the pump in hydraulic loop. By-pass occurred when pre-set pressured is reached. Turns clockwise to increase pressure, counter clockwise to decrease.	

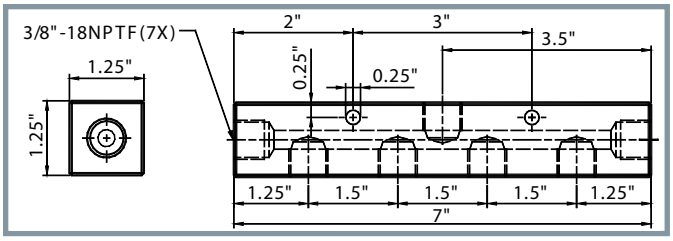
WILLIAMS

MANIFOLDS

Manifold Type	Product Code	Number of Parts	Port Size	Mounting Hole
7" Long Manifold	8M7L7P	7	3/8" - 18NPTF	1/4" - 20UNC
14" Long Manifold	8M14L7P	7		



8M7L7P





TOOLS FOR THE TRADES

SPECIALTY TOOLS FOR KEY APPLICATIONS

- AVIATION SNIPS ASSORTMENT WITH COMFORT GRIP HANDLES
- COMPACT MULTIMETERS
- BORESCOPE FOR QUICK INSPECTIONS
- SCREW EXTRACTORS FOR EASY REMOVAL OF BROKEN SCREWS, BOLTS, STUDS OR OTHER THREADED FORMS

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



VIDEO INSPECTION SCOPE P.483



MECHANIC'S SEAT CREEPER P.482



COMPACT MULTI-METER P.483

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

WILLIAMS

GASKET SCRAPER

Plastic Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width
GSC-12	8 7/8	13	1 1/2

Features

- Designed for removing gaskets and carbon.
- Comfortable four-sided yellow plastic handle.
- Blade coated to resist corrosion.

USA Made in U.S.A.



GSC-12

WILLIAMS

GASKET SCRAPER

Bi-Mold Comfort Grip Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width
40000	6	9 3/4	7/8

Features

- Bi-mold handle provides comfortable grip, reducing hand fatigue.
- Ideal for gasket removal and cleaning rust and corrosion.



40000

WILLIAMS

STRAIGHT PATTERN TIN SNIPS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28301	7	1 9/16	24 ga. CR / 32 ga. SS
28305	10	2	22 ga. CR / 28 ga. SS
28307	12	2 3/4	20 ga. CR / 24 ga. SS
28309	14	3	18 ga. CR /22 ga. SS

28351 2 Piece Straight Pattern Tin Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28301	7" Tin Snips	28307	12" Tin Snips

Features

- Forged steel blades.
- Double-dipped handles provide comfortable grip, reducing hand fatigue.
- Cut straight lines and wide curves.
- Meet ANSI and DIN standards.



28307

⚠ WARNING


28203


28205


28201

WILLIAMS®

AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (cold-rolled/stainless)
28201	Left	9 3/4	1 3/8	18 ga.CR / 22 ga.SS
28203	Right	9 3/4	1 3/8	18 ga.CR / 22 ga.SS
28205	Straight	9 13/16	1 1/2	18 ga.CR / 22 ga.SS

28251 3 Piece Aviation Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28201	Left-cut snips	28205	Straight-cut snips
28203	Right-cut snips		

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.


28233


28231

WILLIAMS®

OFFSET AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Cutting Direction	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28231	Left and Straight	9 1/4	1 3/16	18 ga.CR / 22 ga.SS
28233	Right and Straight	9 1/4	1 3/16	18 ga.CR / 22 ga.SS

28253 2 Piece Offset Aviation Snips Set in Pouch

Contents Include:

Product Code	Description	Product Code	Description
28231	Left and Straight Cut	28233	Right and Straight Cut

Features

- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.
- Offset blades keeps user's hands above the work for safety and flow material away from blades for speed.


28211


28221

WILLIAMS®

SPECIALTY AVIATION SNIPS

Bi-Mold Comfort Grip Handles

Product Code	Style	Overall Length (Inches)	Cut Length (Inches)	Cutting Capacity (Cold-Rolled/Stainless)
28211	Bulldog - Notch	9	1	16 ga.CR / 18 ga.SS
28221	Long Cut - Straight	11 3/8	3	20 ga.CR / 26 ga.SS

28255 2 Piece Specialty Aviation Snips Set in Pouch

28255 2 Piece Specialty Snips Set. Includes one each Bulldog and Long Cut snips above.

Contents Include:

Product Code	Description	Product Code	Description
28211	Bulldog - Notch	28221	Long Cut - Straight

Features

- Bulldog snips notches and cuts rolled edges, seams, and thick sheet metal up to 16 gauge cold-rolled steel.
- Color-coded handles help quickly identify the cutting direction.
- Bi-mold handles provide comfortable grip, reduces hand fatigue.
- Meet ANSI and DIN standards.

WILLIAMS®

UTILITY TOOLS AND SETS

Bi-Mold Comfort Grip Handles

Product Code	Description	Contents Include
40201	4 Piece Mini Pick & Hook Set	Straight pick 45° bent tip pick 90° bent tip pick Full semi-circular hook
40251	4 Piece Utility Tool Set	Gasket scraper Scratch awl Cotter pin puller Hose removal tool
40150	Magnetic pick-up tool with telescoping shaft	N/A

Features

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- Use for scribing, alignment, o-ring removal, and parts cleaning.
- Small size makes them ideal for hard to reach work surfaces.
- Telescopic pick-up tool features powerful magnetic tip.
- Magnetic pick-up tool extended length is 18¼, pick-up weight is 1¼ pounds
- 40201 Overall length: 6 inches, handle length: 2 ¾"


40201


40251


40150

WILLIAMS®

CREEPERS

Heavy Duty - Low Profile

Product Code	Description	Replacement Casters
42301	Heavy-Duty Drop-Shoulder Creeper	42397
42302	Mechanic's Seat Creeper	42398
42304A	Adjustable-Height Swivel Seat-Creeper	42399

Features - Heavy-Duty Drop-Shoulder Creeper

- Low-profile design rests only 2" from the ground.
- Drop-rail design allows greater shoulder and arm clearance.
- 16 gauge, ¾" square-stock steel frame.
- 1" padding on bed and 2" padding on headrest.
- Six 2-½" diameter hooded casters shield user's clothing from dirt and grease.

Features - Mechanic's Seat Creeper

- Seat is topped with comfortable 1-½" thick foam padding.
- 1" square-stock steel frame.
- Four 2-½" diameter hooded casters shield user's clothing from dirt and grease.
- Heavy-duty 3-section plastic pan stores tools and small parts.

Features - Adjustable-Height Swivel Seat-Creeper

- Height adjusts from 17" to 22".
- Seat swivels a full 360°.
- Four 2-½" diameter hooded casters shield user's clothing from dirt and grease.
- Steel tube frame supports cylinder for ultimate strength.
- Bottom pan serves as storage for tools and small parts.





⚠ WARNING



40281

WILLIAMS

COMPACT MULTI-METER

Product Code	Description
40281	Compact Multi-tmeter

Features

- Manual ranging meter for user controlled setting selections
- Compact housing for easy mobility and convenient storage
- Offers numerous electrical test settings such as: AC and DC Volts, Resistance (Ohms), Continuity for basic electrical testing
- 2,000 count LCD display is easy to read
- Data hold button captures and locks in readings
- Protective boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- On/Off button activates the meter Sleep mode allows the meter to turn off automatically to conserve battery life
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth buy the agency for safety
- CAT III 600V rating positions it at the mid to upper range of this safety rating for user selection criteria



40284

WILLIAMS

COMPACT MULTI-METER

Product Code	Description
40284	Compact Multi-tmeter

Features

- Auto ranging meter selects the range setting of the range automatically
- Manual range button converts the meter form auto to manual ranging for selectable range limits for increased control of the reading
- Multiple dial settings offers test settings such as: AC/DV Amps, milliAmps and micro Amps, AC/DC Volts, Diode test, Continuity and Resistance (Ohms), for a wide variety of common electrical tests
- 3,260 count LCD display is large and easy to read
- Data hold button captures and locks in readings
- Protective shock absorbing boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- Dial positions activate the meter along with two OFF positions for easy ON/OFF control
- Sleep mode allows the meter to turn off automatically to conserve battery life
- Analog bar graph helps visualize rapidly changing signals
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth buy the agency for safety
- CATII 1,000V and CAT III 600V rating positions it at the higher side of this safety rating for user selection criteria



40280

WILLIAMS

BORESCOPE

Product Code	Description
40280	Video Inspection scope

Features

- Single on/off button and battery indicator
- Convenient thumb control for LED light intensity
- 2 3/8" color LCD provides a larger viewing image than eyepiece borescopes
- Packaged in protective blow-molded plastic case

WILLIAMS®

SET-UP WEDGES

Heavy Duty Machine Shop Tools

Product Code	Length	Width	Thick End
WG-3	3	1	1/4
WG-5	5	1	1/2
WG-6	6	1 1/4	3/4

Made in U.S.A.



Features

- Set-up wedges are used for setting-up work on planers, shapers, milling machines and other similar applications.

WILLIAMS®

EYEBOLTS

Plain Pattern

Product Code	Shank Diameter (Inches)	Threads per Inch	Capacity of Vertical Load (lbs)	Length of Shank (Inches)	Inner Diameter (Inches)	Head Cross Section Thickness (Inches)	Overall Length (Inches)	Ultimate Strength (lbs)
EB-1T	1/4	20	500	1	3/4	9/32	2 1/4	2500
EB-2T	5/16	18	900	1 1/8	27/32	9/32	2 5/8	4500
EB-3T	3/8	16	1,300	1 1/4	1 1/32	5/16	2 29/32	6500
EB-4T	7/16	14	1,800	1 3/8	1 1/16	3/8	3 1/4	9000
EB-5T	1/2	13	1,400	1 1/2	1 1/8	5/32	3 5/8	12000
EB-6T	9/16	12	3,000	1 5/8	1 1/4	1/2	3 31/32	15000
EB-7T	5/8	11	4,000	1 3/4	1 5/16	9/16	4 3/8	20000
EB-8T	3/4	10	5,000	2	1 17/32	5/8	4 25/32	25000
EB-9T	7/8	9	7,000	2 1/4	1 5/8	13/16	5 9/16	35000
EB-10T	1	8	9,000	2 1/2	1 3/4	29/32	6 1/8	45000
EB-11T	1 1/8	7	12,000	2 3/4	1 15/16	1 1/16	6 7/8	60000
EB-12T	1 1/4	7	15,000	3 1/2	2 5/32	1 5/32	7 1/2	75000
EB-14T	1 1/2	6	21,000	3 3/4	2 7/16	1 13/32	8 13/16	105000
EB-15T	1 3/4	5	28,000	3 3/4	2 25/32	1 21/32	9 7/8	140000
EB-16T	2	4 1/2	38,000	4	3 5/32	1 27/32	11	190000
EB-17T	2 1/2	4	56,000	5	4	2 1/4	13 1/2	280000

ANSI Spec: B18.15 1985

Made in U.S.A.



Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Plain pattern eyebolts must never be used to lift an angular load.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.

WILLIAMS®

EYEBOLTS

Shoulder Pattern

Product Code	Shank Diameter (Inches)	Threads per Inch	Length of Shank (Inches)	Inner Diameter (Inches)	Head Cross-Section Thickness (Inches)	Overall Length (Inches)	Shoulder Width (Inches)	Ultimate Strength (lbs)
EB-21T	1/4	20	1	3/4	9/32	2 7/16	9/16	2500
EB-22T	5/16	18	1 1/8	27/32	9/32	2 7/8	19/32	4500
EB-23T	3/8	16	1 1/4	1	5/16	3 11/32	21/32	6500
EB-24T	7/16	14	1 3/8	1 1/16	3/8	3 23/32	27/32	9000
EB-25T	1/2	13	1 1/2	1 5/32	7/16	4 1/32	29/32	12000
EB-26T	9/16	12	1 5/8	1 11/32	7/32	4 13/32	15/16	15000
EB-27T	5/8	11	1 3/4	1 11/32	9/16	4 3/4	1 1/32	20000
EB-28T	3/4	10	2	1 1/2	11/16	5 11/32	1 5/16	25000
EB-29T	7/8	9	2 1/4	1 5/8	13/16	6	1 7/16	35000
EB-30T	1	8	2 1/2	1 13/16	7/8	6 3/4	1 5/8	45000
EB-31T	1 1/8	7	2 3/4	1 15/16	1 1/16	7 1/2	1 3/4	60000
EB-32T	1 1/4	7	3	2 1/8	1 3/16	8 3/8	2 1/32	75000
EB-34T	1 1/2	6	3 1/2	2 19/32	1 1/2	9 3/8	2 3/16	105000
EB-35T	1 3/4	5	3 3/4	2 27/32	1 19/32	10 3/4	2 1/2	140000
EB-36T	2	4 1/2	4	3 5/32	1 7/8	12	2 29/32	190000

ANSI Spec: B18.15 1985

Made in U.S.A.



Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- Shoulder eye bolts must be properly seated (should bear firmly against the mating part) otherwise the working loads must be reduced substantially. A steel washer or spacer may be required for proper seating.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.

⚠ WARNING

EYEBOLT ANGULAR LOADING RATED CAPACITY

Material Data

Grade: Carbon Steel
Heat Treat: Quench & Draw

Mechanical Properties

Grain Size: 5 or finer
Tensile: 65,000 PSI Min
Yield: 30,000 PSI Min
Elongation: 30% Min
Reduction of Area: 60% Min

					Angular Loading Rated Capacity (Pounds)			
Part Number Plain	Shank Diameter	Threads Per Inch	Capacity of Vertical Load (lbs)	Ultimate Strength (lbs)	0 Degree	30 Degree	60 Degree	90 Degree
EB-1T	1/4	20	500	2,500				
EB-2T	5/16	18	900	4,500				
EB-3T	3/8	16	1,300	6,500				
EB-4T	7/16	14	1,800	9,000				
EB-5T	1/2	13	2,400	12,000				
EB-6T	9/16	12	3,000	15,000				
EB-7T	5/8	11	4,000	20,000				
EB-8T	3/4	10	5,000	25,000				
EB-9T	7/8	9	7,000	35,000				
EB-10T	1	8	9,000	45,000				
EB-11T	1 1/8	7	12,000	60,000				
EB-12T	1 1/4	7	15,000	75,000				
EB-14T	1 1/2	6	21,000	105,000				
EB-15T	1 3/4	5	28,000	140,000				
EB-16T	2	4 1/2	38,000	190,000				
EB-17T	2 1/2	4	56,000	280,000				
EB-21T	1/4	20	500	2,500	440	70	NR	NR
EB-22T	5/16	18	900	4,500	720	170	NR	NR
EB-23T	3/8	16	1,300	6,500	1,080	335	185	150
EB-24T	7/16	14	1,800	9,000	1,480	435	275	215
EB-25T	1/2	13	2,400	12,000	1,960	695	460	365
EB-26T	9/16	12	3,000	15,000	3,140	1,220	735	600
EB-27T	5/8	11	4,000	20,000	3,140	1,220	735	600
EB-28T	3/4	10	5,000	25,000	4,600	1,950	1,095	960
EB-29T	7/8	9	7,000	35,000	6,400	2,710	1,750	1,485
EB-30T	1	8	9,000	45,000	8,400	3,595	2,450	2,160
EB-31T	1 1/8	7	12,000	60,000	10,600	4,235	3,380	2,985
EB-32T	1 1/4	7	15,000	75,000	13,400	5,540	3,675	3,285
EB-34T	1 1/2	6	21,000	105,000	19,600	8,410	5,590	5,080
EB-35T	1 3/4	5	28,000	140,000	28,000	12,100	8,250	7,370
EB-36T	2	4 1/2	38,000	190,000	38,000	15,970	10,910	9,740

NR = Not Recommended.

- No greater load should be allowed than that given under rated capacity in each table of dimensional data.
- Safety Factor: Rated capacity is figured with 5:1 safety factor for zero degree straight vertical pull.

WILLIAMS®

FLUTED SCREW EXTRACTORS

Straight, Tapered Flutes

Product Code	Drill Size (Inches)	For Use on Bolt Sizes (Inches)
EX-21A	1/8	1/4 to 5/16
EX-21B	3/16	3/8
EX-22A	7/32	7/16
EX-24A	5/16	1/2 to 9/16
EX-25B	3/8	5/8
EX-25A	15/32	3/4
EX-26A	9/16	7/8
EX-28	21/32	1 to 1 1/8
EX-29	13/16	1 1/4 to 1 3/8
EX-30	1 1/16	1 1/2

EXS-30 6 Piece Screw Extractor Set
Contents Include:

Product Code	Product Code	Product Code
EX-21A	EX-22A	EX-25B
EX-21B	EX-24A	EX-25A

EXS-10 10 Piece Screw Extractor Set
Contents Include:

Product Code	Product Code	Product Code	Product Code	Product Code
EX-21A	EX-22A	EX-25B	EX-26A	EX-29
EX-21B	EX-24A	EX-25A	EX-28	EX-30

Features
- Designed for quick, easy removal of left or right-handed broken screws, bolts, studs or other threaded forms.
- Drill bit sizes to be used are stamped on each extractor.
- A hole is first drilled in the broken stem and the right size Williams extractor is then inserted.

USA Made in U.S.A.


EX-26A


EXS-30


EXS-10

WILLIAMS®

FEELER GAUGE SET

Heavy Duty Machine Shop Tools

Product Code	Description	Thickness	Number of Blades
GS-1	Master Feeler Gauge Set	.0015 - 1/32	25

Features
- 25 blades 3-5/16" x 1/2" in the following thicknesses: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, and .035.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Product Code	Description	Thickness	Number of Blades
GS-2	Standard Feeler Gauge Set	.002 - .015	10

Features
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .012, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Product Code	Description	Thickness	Number of Blades
GS-3	Combination Feeler Gauge Set	.002 - .025	22

Features
- Contains total of 22 blades.
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- 12 blades 1-3/4" x 1/4" in the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.
- Overall length 5".
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

Product Code	Description	Thickness	Number of Blades
GS-4	Piston Feeler Gauge Set	.002 - .015	8

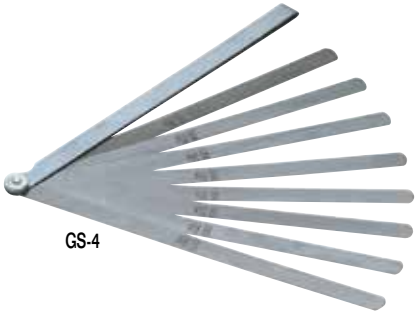
Features
- 8 blades 9" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .008, .010, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

USA Made in U.S.A.


GS-1


GS-2


GS-3


GS-4

⚠ WARNING

AVIATION SPECIALTY TOOLS

MICROSTOPS | COUNTERSINKS | RIVET SETS | BUCKING BARS | HI-LOK® TOOLS

- WHEN EXTREME PRECISION IS AN ABSOLUTE NECESSITY, OUR MICROSTOPS ENSURE THAT THE FASTENERS FILL THE COUNTERSUNK HOLES COMPLETELY.
- ATI COUNTERSINKS ARE GROUND ON CENTER MAINTAINING CONCENTRICITY (PRECISION), WHICH IS CRUCIAL IN CREATING PERFECT HOLE FOR RIVETS.
- OUR RIVET SETS CHAMFER THE END CUPS OF RIVETS, AND PUT A RADIUS ON THEM. AND SMOOTH RIVETS LEAD TO SMOOTH SAILING IN THE SKIES.
- BUCKING BARS ARE MADE WITH ROUNDER RADIUS EDGES, AND HIGHLY POLISHED SURFACES THAT ELIMINATE SCRATCHING.
- HI-LOK® TOOLS PROVIDE THE RIGHT HEIGHT TO BE ABLE TO REACH EVEN INTO A 1" SPACE AT THE END OF A WING FOR ANY INSTALLATION OR REMOVAL.

Snap-on INDUSTRIAL BRANDS
INNOVATION AT WORK



FRANGIBLE COLLAR INSTALLATION KIT P.511



cutaway image shown

MICROSTOPS P.495



SHEET METAL MECHANICS SET P.507

WE CONTINUE TO INNOVATE TO DELIVER SAFETY AND PRODUCTIVITY TO OUR CUSTOMERS

ATI TOOLS
A Snap-on Specialty Tools Brand



ATI339EC

ATI339EC THREADED SHANK 3 JAW CHUCK

- Drill bit capacity for 1/16" to 1/4"
- Allows use of standard straight shank bits in tools with threaded spindles
- Internal jaws are inverted for maximum chucking torque
- 1/4"-28 threaded shank



ATI503-40



ATI503-72

THREADED SHANK DRILL ADAPTORS

- Enables use of straight shank drill bits with threaded output angle drill attachments
- Retains drill bit with set screw
- 1/4"-28 threaded shank

Product Code	Drill Size
ATI503-40	#40
ATI503-30	#30
ATI503-21	#21
ATI503-20	#20
ATI503-11	#11
ATI503-10	#10
ATI503-3	#3
ATI503-72	1/4
ATI503-73	5/16



ATI570-30

DRILL STOPS

- Controls hole depth and prevents chuck jaws from contacting drilled surface.
- Unit locks onto drill bit with a set screw.

Product Code	Drill Size
ATI570-50	#50
ATI570-40	#40
ATI570-30	#30
ATI570-27	#27
ATI570-21	#21
ATI570-20	#20
ATI570-16	#16
ATI570-12	#12
ATI570-11	#11
ATI570-10	#10
ATI570-13/64	13/64
ATI5707/32	7/32
ATI570-1/4	1/4
ATI570-5/16	5/16





ATI503C-1/8

THREADED SHANK DRILL COLLETS

Product Code	Drill Size	Product Code	Drill Size
ATI503C-3/32	3/32	ATI503C-16	#16
ATI503C-40	#40	ATI503C-3/16	3/16
ATI503C-1/8	1/8	ATI503C-12	#12
ATI503C-30	#30	ATI503C-11	#11
ATI503C-5/32	5/32	ATI503C-10	#10
ATI503C-21	#21	ATI503C-7/32	7/32
ATI503C-20	#20	ATI503C-1/4	1/4
ATI503C-19	#19	ATI503C-F	F

Features

- Enables use of straight shank drill bits with threaded output angle drill attachments
- 1/4"-28 threaded shank



ATIHSSSH3/16

THREADED SHANK DRILL BITS

- Made from HSS
- 1/4"-28 threaded shank

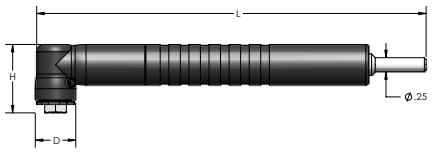
Product Code	Drill Size	Length
ATIHSSST3/32	3/32	0.50
ATIHSSST40	#40	0.50
ATIHSSSH40	#40	1.00
ATIHSSST1/8	1/8	0.50
ATIHSSSH1/8	1/8	1.00
ATIHSSL1/8	1/8	2.13
ATIHSSST30	#30	0.56
ATIHSSH30	#30	1.25
ATIHSSL30	#30	2.13
ATIHSSST5/32	5/32	0.56
ATIHSSSH5/32	5/32	1.25
ATIHSSL5/32	5/32	2.13
ATIHSSST21	#21	0.56
ATIHSSST3/16	3/16	0.56
ATIHSSSH3/16	3/16	1.25
ATIHSSL3/16	3/16	2.13
ATIHSSST10	#10	0.56
ATIHSSH10	#10	1.25
ATIHSSST1/4	1/4	0.63
ATIHSSSH1/4	1/4	1.25
ATIHSSL1/4	1/4	2.13

ATI TOOLS
A Snap-on Specialty Tools Brand

ANGLE DRILL ATTACHMENTS

- Used for drilling holes in tight access areas
- Heavy duty gears and bearings
- ¼" shank for easy connection to drill motors
- Rated for 4500 RPM



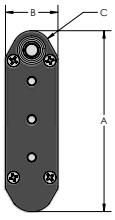


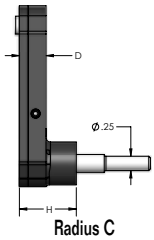
Product Code	Type	Duty	Output Spindle	Length (in)	Head Height (in)	Head Diameter (in)
ATI326A	90° Direct Drive	Light	10-32	6.88	0.813	0.500
ATI327A18	90° Flex Drive	Light	10-32	18.00	0.813	0.500
ATI327A-24	90° Flex Drive	Light	10-32	24.00	0.813	0.500
ATI326B	90° Direct Drive	Light	¼"-28	6.88	0.813	0.500
ATI327B-12	90° Flex Drive	Light	¼"-28	12.00	0.813	0.500
ATI327B18	90° Flex Drive	Light	¼"-28	18.00	0.813	0.500
ATI327B-24	90° Flex Drive	Light	¼"-28	24.00	0.813	0.500
ATI300B	90° Direct Drive	Standard	¼"-28	6.00	1.625	0.813
ATI302B	90° Flex Drive	Standard	¼"-28	30.00	1.625	0.813
ATI301B	45° Direct Drive	Standard	¼"-28	6.69	1.000	0.813
ATI303B	45° Flex Drive	Standard	¼"-28	30.00	1.000	0.813
ATI336A	90° Direct Drive	Heavy	CHUCK	6.25	1.438	1.000
ATI338A	90° Flex Drive	Heavy	CHUCK	30.00	1.438	1.000
ATI336B	90° Direct Drive	Heavy	¼"-28	6.25	1.438	1.000
ATI338B	90° Flex Drive	Heavy	¼"-28	30.00	1.438	1.000
ATI337A	360° Direct Drive	Heavy	CHUCK	6.00	1.438	1.000
ATI339A	360° Flex Drive	Heavy	CHUCK	30.00	1.438	1.000
ATI337B	360° Direct Drive	Heavy	¼"-28	6.00	1.438	1.000
ATI339B	360° Flex Drive	Heavy	¼"-28	30.00	1.438	1.000

OFFSET ANGLE DRILLS

- Offset drive enables drilling in tight access areas
- 1/4'' round shank







Production Code	Type	Speed	Spindle	Height (H) (in)	Length (A) (in)	Width (B) (in)	Thickness (D) (in)	Radius C
ATI313A	Straight Offset	6000	10-32	4.31	4.35	0.875	0.290	0.42
ATI313B	Straight Offset	6000	¼"-28	4.31	4.35	0.875	0.290	0.42
ATI313LA	30° Left Hand Offset	6000	10-32	4.31	4.00	0.875	0.290	0.42
ATI313LB	30° Left Hand Offset	6000	¼"-28	4.31	4.00	0.875	0.290	0.42
ATI313RA	30° Right Hand Offset	6000	10-32	4.31	4.00	0.875	0.290	0.42
ATI313RB	30° Right Hand Offset	6000	¼"-28	4.31	4.00	0.875	0.290	0.42
ATI331A	Straight Offset	6000	10-32	4.38	4.19	0.921	0.438	0.44
ATI331B	Straight Offset	6000	¼"-28	4.38	4.19	0.921	0.438	0.44
ATI332A	Straight Offset	4200	10-32	1.50	3.17	0.920	0.370	0.34
ATI332B	Straight Offset	4200	¼"-28	1.50	3.17	0.920	0.370	0.34
ATI332SC	Straight Offset	4200	¼"-28	1.50	3.12	0.920	0.320	0.31
ATI333B	Straight Offset, Reversed	4200	¼"-28	1.50	3.18	0.960	0.500	0.32

DRILL GUIDES, HOUSINGS AND BUSHINGS

- Maintains tool perpendicular to flat or curved surfaces
- Used with drills, taps or reamers
- Case hardened bushings are interchangeable in housings
- Housings provide ample relief for chips under the bushing
- Guide assemblies consist of housing with bushing installed
- Threaded interface allows interchangeability of bushings and housings

DRILL GUIDE HOUSINGS

Product Code	Description	Bushing Reference
ATI589AA	Threaded drill guide housing Drill sizes #40 (.098) Thru 5/16" (.3125)	ATI589AB-series 1/2"-13
ATI589CA	Threaded drill guide housing new configuration is larger allowing easier access to change bushings while providing better hand protection & larger grip area Drill sizes 1/4" (.250) Thru 9/16" (.5625)	ATI589CB-series 3/4"-16
ATI589CAM	Threaded drill guide housing Drill sizes 1/4" (.250) Thru 9/16" (.5625)	ATI589CB-series 3/4"-16
ATI589DA	Flange lock drill guide housing Drill sizes #80 (.0135) Thru #10 (.1935)	Slip Renewable 5/16" OD x 3/4" Long
ATI589EA	Flange lock drill guide housing Drill sizes #28 (.1405) Thru 11/32" (.3438)	Slip Renewable 1/2" OD x 3/4" Long

DRILL GUIDE ASSEMBLIES AND BUSHINGS

Drill Guide Assemblies Product Code	Drill Bushing Product Code	Drill Size	Bushing Size
ATI589A-098	ATI589AB098	#40	1/2"-13
ATI589A-1285	ATI589AB1285	#30	1/2"-13
ATI589A-1562	ATI589AB1562	05.01.32	1/2"-13
ATI589A-159	ATI589AB159	#21	1/2"-13
ATI589A161	ATI589AB-161	#20	1/2"-13
ATI589A-1875	ATI589AB1875	3/16"	1/2"-13
ATI589A-1935	ATI589AB1935	#10	1/2"-13
ATI589A2187	ATI589AB2187	7/32"	1/2"-13
ATI589A250	ATI589A250	1/4" or E	1/2"-13
ATI589A257	ATI589AB-257	F	1/2"-13



ATI590DBK

ATI589AB1935

ATI589A2187

DRILL BUSHING KITS

Product Code	Description	Bushing Size
ATI590DBK	Three Guide Housings and nine drill bushings, sizes #40, #30, 5/32", #21, 3/16", #10, 7/32", 1/4"	1/2"-13

DRILL GUIDE ASSEMBLIES AND BUSHINGS

Drill Guide Assemblies Product Code	Drill Bushing Product Code	Drill Size	Bushing Size
ATI589C-2812	ATI589CB2812	9/32	3/4"-16
ATI589C.3125	ATI589CB3125	5/16	3/4"-16
ATI589C-3437	ATI589CB3437	11/32	3/4"-16
ATI589C-375	ATI589CB375	3/8	3/4"-16
ATI589C-4375	ATI589CB4375	7/16	3/4"-16
ATI589C-.500	ATI589CB500	1/2	3/4"-16

STRAP DUPLICATORS

- Provide an accurate method for duplicating hidden holes in overlapping sheets.
- Standard pilots are used when sheets can be pried apart. Inverted pilots are used when sheets cannot be separated. Spring loaded center punch allows for marking in limited access for drilling latter.

Position pilot in hole to be duplicated then drill through bushing. Back side of pilot is relieved to allow drill to pass through 1st sheet only; straps are spring steel, bushings, pilots and center punch are hardened drill rod assuring accurate hole duplication. Tools are identified with Product Code and drill size. Working length is shown, maximum distance from edge of sheet to hole. Back side of strap is beveled to aid in prying sheets apart.

Drill Size	Type	6-1/4" Length Product Code	13-1/4" Length Product Code
#40	Bushing, Standard Pilot	ATI532-61	ATI532C-61
#30	Bushing, Standard Pilot	ATI532-62	ATI532C-62
#21	Bushing, Standard Pilot	ATI532-63	ATI532C-63
#10	Bushing, Standard Pilot	ATI532-65	ATI532C-65
1/4"	Bushing, Standard Pilot	ATI532-68	ATI532C-68
#40	Bushing, Inverted Pilot	ATI532A-61	ATI532D-61
#30	Bushing, Inverted Pilot	ATI532A-62	ATI532D-62
#21	Bushing, Inverted Pilot	ATI532A-63	ATI532D-63
#10	Bushing, Inverted Pilot	ATI532A-65	ATI532D-65
1/4"	Bushing, Inverted Pilot	ATI532A-68	ATI532D-68



ATI532-61

Drill Size	Type	6-1/4" Length Product Code
#40	Spring Loaded Center Punch	ATI500-51
#30	Spring Loaded Center Punch	ATI500-52
#21	Spring Loaded Center Punch	ATI500-53
#10	Spring Loaded Center Punch	ATI50055

STRAP DUPLICATORS SETS

ATI532/A/SET	10 Piece Set Standard & Inverted Pilot	Includes Items In Blue



⚠ WARNING

- Airframe tooling can cause flying chips
- Read safety precautions on pages WI to W4



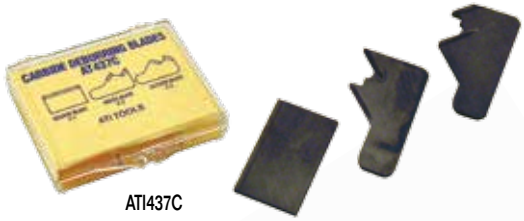

ATI521C


ATI407-4

SPEED DRIVER, DEBURRING TOOLS AND CUTTERS

- 'Speed Driver' an ATI original, with swivel handle and unique offset shaft allows for rapid, uniform and safe deburring of drilled holes.

Product Code	Description
ATI521A	Speed driver, used with ATI521C deburring cutter. Tool has a taper lock spindle and only accepts this cutter
ATI521B	Speed driver, used with ATI407-4 deburr/countersink cutter. Accepts any ¼"-28 threaded shank cutters.
ATI521C	Deburring Cutter, 100-Degree Cutting Angle, 3-Flute, ⅜ Body, 7⁄32 Shank Diameter
ATI407-4	Countersink cutter, 100-degree cutting angle, 3-flute, ⅜" body, ¼"-28 threaded shank. Can be used in any drill attachment that accepts ¼"-28 threaded shank cutters
ATI521C	Deburring Cutter, 100-Degree Cutting Angle, 3-Flute, 3⁄8 Body, 7/32 Shank Diameter
ATI407-4	Countersink cutter, 100-degree cutting angle, 3-flute, 3⁄8" body, 1/4"-28 threaded shank. Can be used in any drill attachment thawt accepts 1/4"-28 threaded shank cutters


ATI437C

CHIP CHASERS

- Designed to remove chips that accumulate between sheet stock after drilling rivet holes.
- Blades are made from clock spring steel

Product Code	Description
ATI511	Chip Chaser-Bright Plastic Molded Handle Blunt Hook, 2-¾" Length Blade
ATI512	Chip Chaser-Bright Plastic Molded Handle Blunt Hook, 5-⅞" Length Blade


ATI512

CHIP CHASER ASSEMBLIES

Product Code	Description
ATISP200-1	Chip Chaser Assembly-Cast Aluminum Handle Accepts Replaceable Blades. Point Hook, 5-⅞" Length Blade
ATISP200-2	Chip Chaser Assembly-Cast Aluminum Handle Accepts Replaceable Blades. Point Hook, 5-⅞" Length Blade
ATISP200-3	Chip Chaser Assembly-Cast Aluminum Handle Accepts Replaceable Blades. Point Hook, 2-¾" Length Blade


ATISP200-1

CHIP CHASER COMPONENTS

Product Code	Description
ATISP200	Chip Chaser Handle Only Accepts Replaceable Blades Listed Below
ATISP20002	Replaceable Blade Point Hook, 5-7/8" Length Blade
ATISP20003	Replaceable Blade Blunt Hook, 5-7/8" Length Blade
ATISP20004	Replaceable Blade Point Hook, 2-3/4" Length Blade


ATI514


ATISP225

EDGE BREAKERS

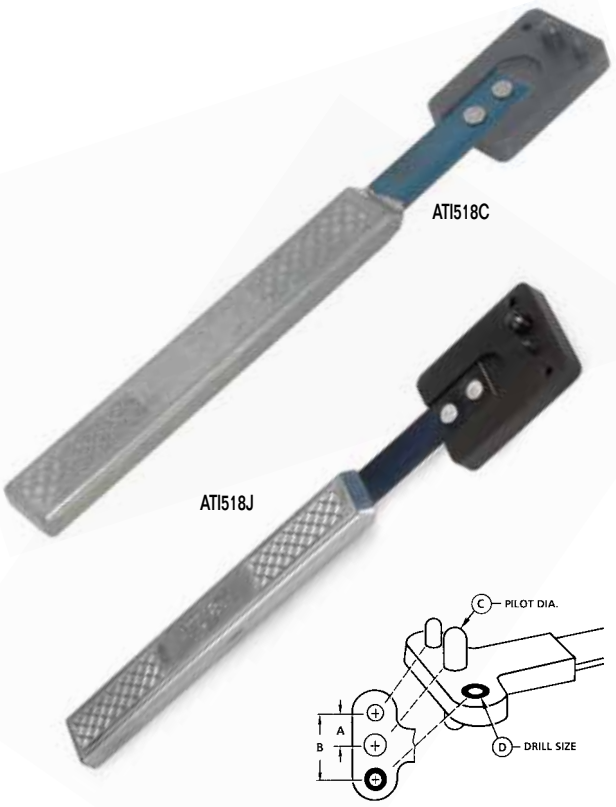
- Quickly removes burrs & sharp edges from sheet stock.

Product Code	Description
ATI514	Hardened tip, safety shield and plastic handle works well on aluminum sheet stock
ATISP225	Cast aluminum body with molded thumb rest safety guard. Uses standard triangle indexable carbide inserts. Quickly removes burrs & sharp edges from all types of sheet stock from aluminum to stainless steel

NUT PLATE DRILL JIGS

- Used for accurate drilling of rivet holes for nut plate fasteners.
- Flexible handle provides clearance for hand during use
- Hardened steel head for durability.

Product Code	Type	A Spacing	B Spacing	C Pilot Diameter	D Drill Size
ATI518G	SWS	0.344	N/A	0.139	#40
ATI518H	SWS	0.344	N/A	0.164	#40
ATI518J	SWS	0.344	N/A	0.191	#40
ATI518K	SWS	0.344	N/A	0.248	#40
ATI518RF	SWS	0.500	N/A	0.2555	#40
ATI518RH	SWS	0.500	N/A	0.373	#30
ATI518RM	SWS	0.344	N/A	0.1875	#40
ATI518RO	SWS	0.500	N/A	0.248	#40
ATI518RP	SWS	0.500	N/A	0.3105	#30
ATI518PB	SWM	0.218	N/A	0.139	#40
ATI518PC	SWM	0.234	N/A	0.164	#40
ATI518PD	SWM	0.250	N/A	0.191	#40
ATI518PE	SWM	0.281	N/A	0.248	#40
ATI518A	DWS	0.344	0.688	0.139	#40
ATI518B	DWS	0.344	0.688	0.164	#40
ATI518C	DWS	0.344	0.688	0.191	#40
ATI518D	DWS	0.500	1.000	0.248	#40
ATI518E	DWS	0.500	1.000	0.312	#30
ATI518F	DWS	0.500	1.000	0.372	#30
ATI518GL	DWS	0.344	0.688	0.218	#40
ATI518HO	DWS	0.375	0.750	0.248	#40
ATI518KD	DWS	0.344	0.688	0.192	#40
ATI518KL	DWS	0.344	0.688	0.1875	#40
ATI518KN	DWS	0.500	1.000	0.3105	#30
ATI518KU	DWS	0.344	0.688	0.2555	#40
ATI518N	DWS	0.500	1.000	0.6875	#30
ATI518AB	DWM	0.2185	0.437	0.166	#40
ATI518AD	DWM	0.250	0.500	0.218	#40
ATI518AE	DWM	0.281	0.562	0.281	#40
ATI518NA	DWM	0.203	0.406	0.112	#40
ATI518NB	DWM	0.218	0.436	0.139	#40
ATI518NC	DWM	0.234	0.468	0.164	#40
ATI518ND	DWM	0.250	0.500	0.191	#40
ATI518NE	DWM	0.2871	0.562	0.284	#40
ATI518NJ	DWM	0.250	0.500	0.1875	#40
ATI518-ML	CWS	0.344	N/A	0.1875	#40
ATI518MN	CWS	0.50	N/A	0.311	#30
ATI518S	CWS	0.344	N/A	0.164	#40
ATI518T	CWS	0.344	N/A	0.191	#40
ATI518U	CWS	0.50	N/A	0.248	#40
ATI518SA	CWM	0.203	N/A	0.112	#40
ATI518SB	CWM	0.218	N/A	0.139	#40
ATI518SC	CWM	0.234	N/A	0.164	#40
ATI518SD	CWM	0.250	N/A	0.191	#40
ATI518SE	CWM	0.281	N/A	0.248	#40
ATI518NASDA8	SLM	0.234	0.219	0.164	#40
ATI518TA	SLM	0.250	0.219	0.191	#40
ATI518TB	SLM	0.281	0.219	0.248	#40





ATI507KT

ATI507KT DUPLICATING PUNCH KIT

- Accurately duplicate hole location from one sheet to another.
- Heat treated and ground punch tips and locating diameters are held to tight concentricity.
- Kit contains fourteen 3-½" OAL punches, sizes 3/32", #40, 1/8", #30, 5/32", #19, 3/16", #10, 7/32", 1/4", 5/16", 3/8", 7/16", and 1/2"



ATI TOOLS
A Snap-on Specialty Tools Brand

HOLE SAWS

- ATI precision hole saws are manufactured from high speed tool steel.
- Hole saws are heat treated and ground to precise tolerances.
- Hole saw design allows for resharpening of tool.
- Use with ATI415 Hole Saw Arbors.



ATI413-2



ATI474-15

FINE TOOTH

Product Code	Diameter in.	Thread
ATI413-1	3/8	5/16"-24
ATI413-2	7/16	5/16"-24
ATI4132X	15/32	5/16"-24
ATI413-3	1/2	5/16"-24
ATI413-4	9/16	5/16"-24
ATI413-5	5/8	5/16"-24
ATI4135X	21/32	5/16"-24
ATI4136	11/16	5/16"-24
ATI413-7	3/4	5/16"-24
ATI413-8	13/16	5/16"-24
ATI413-9	7/8	5/16"-24
ATI413-11	1	5/16"-24
ATI413-12	1 1/16	5/16"-24
ATI413-13	1 1/8	5/16"-24
ATI413-15	1 1/4	5/16"-24
ATI41319	1 1/2	1/2"-20
ATI413-21	1 5/8	1/2"-20
ATI41323	1 3/4	1/2"-20
ATI413-27	2	1/2"-20
ATI413-31	2 1/4	1/2"-20
ATI413-47	3 1/4	1/2"-20
ATI413-51	3 1/2	1/2"-20

COARSE TOOTH

Product Code	Diameter in.	Thread	Product Code	Diameter in.	Thread	Product Code	Diameter in.	Thread
ATI474-1	3/8	5/16"-24	ATI474-12	1 1/16	5/16"-24	ATI474-27	2	1/2"-20
ATI474-1X	13/32	5/16"-24	ATI47412X	1 3/32	5/16"-24	ATI474-29	2 1/8	1/2"-20
ATI474-2	7/16	5/16"-24	ATI474-13	1 1/8	5/16"-24	ATI474-30	2 3/16	1/2"-20
ATI474-2X	15/32	5/16"-24	ATI474-14	1 3/16	5/16"-24	ATI474-31	2 1/4	1/2"-20
ATI474-3	1/2	5/16"-24	ATI47414X	1 7/32	5/16"-24	ATI474-32	2 5/16	1/2"-20
ATI4743X	17/32	5/16"-24	ATI474-15	1 1/4	5/16"-24	ATI474-33	2 3/8	1/2"-20
ATI474-4	9/16	5/16"-24	ATI474-16	1 5/16	1/2"-20	ATI47434	2 7/16	1/2"-20
ATI474-4X	19/32	5/16"-24	ATI474-17	1 3/8	1/2"-20	ATI474-35	2 1/2	1/2"-20
ATI474-5	5/8	5/16"-24	ATI474-18	1 7/16	1/2"-20	ATI47436	2 9/16	1/2"-20
ATI474-5X	21/32	5/16"-24	ATI474-18X	1 15/32	1/2"-20	ATI474-38	2 11/16	1/2"-20
ATI474-6	11/16	5/16"-24	ATI474-19	1 1/2	1/2"-20	ATI474-39	2 3/4	1/2"-20
ATI4746X	23/32	5/16"-24	ATI474-20	1 9/16	1/2"-20	ATI474-40	2 13/16	1/2"-20
ATI474-7	3/4	5/16"-24	ATI47420X	1 19/32	1/2"-20	ATI474-41	2 7/8	1/2"-20
ATI474-7X	25/32	5/16"-24	ATI474-21	1 5/8	1/2"-20	ATI474-42	2 15/16	1/2"-20
ATI474-8	13/16	5/16"-24	ATI47421X	1 21/32	1/2"-20	ATI474-43	3	1/2"-20
ATI474-8X	27/32	5/16"-24	ATI474-22	1 11/16	1/2"-20	ATI47444	3 1/16	1/2"-20
ATI474-9	7/8	5/16"-24	ATI47422X	1 23/32	1/2"-20	ATI474-47	3 1/4	1/2"-20
ATI4749X	29/32	5/16"-24	ATI474-23	1 3/4	1/2"-20	ATI474-48X	3 1/32	1/2"-20
ATI474-10	15/16	5/16"-24	ATI474-24	1 13/16	1/2"-20	ATI47449	3 3/8	1/2"-20
ATI474-10X	31/32	5/16"-24	ATI474-25	1 7/8	1/2"-20	ATI47454	3 11/16	1/2"-20
ATI474-11	1	5/16"-24	ATI474-26	1 15/16	1/2"-20	ATI474-55	3 3/4	1/2"-20
ATI47411X	1 1/32	5/16"-24	ATI474-26X	1 31/32	1/2"-20	ATI474-59	4	1/2"-20

HOLE SAW ARBORS

- Pilot and shank are ground to ensure tight concentricity.
- Use with ATI413 and ATI474 hole saws.

Product Code	Shank Diameter	Pilot Diameter	Thread
ATI415-0	1/4	3/16	5/16"-24
ATI415-1	1/4	1/4	5/16"-24
ATI415-2	1/2	1/4	1/2"-20
ATI415-3	1/2	3/8	1/2"-20
ATI415-10	1/4	1/4	1/2"-20



ATI415-1

COUNTERBORES

ATI TOOLS
A Snap-on Specialty Tools Brand

- Aircraft style, straight shank counterbores are used to cut flat areas or recesses for bolt heads and nuts.
- Use with ATI489 replaceable counterbore pilots.
- A set screw ensures pilot stays in the counterbore.
- Special corner radius available by request


ATI488C-21

Product Code	Diameter	Pilot Hole Diameter	Shank Diameter
ATI488C-0	3/16	3/32	1/4
ATI488C-1	1/4	3/32	1/4
ATI488C-2	9/32	3/32	1/4
ATI488C-3	5/16	3/32	1/4
ATI488C-4	11/32	3/32	1/4
ATI488C-5	3/8	1/8	1/4
ATI488C-6	13/32	1/8	1/4
ATI488C-7	7/16	1/8	1/4
ATI488C-8	15/32	1/8	1/4
ATI488C-9	1/2	1/8	1/4
ATI488C-10	17/32	1/8	1/4
ATI488C-11	9/16	1/8	1/4
ATI488C-12	19/32	1/8	1/4
ATI488C-13	5/8	1/8	1/4
ATI488C-14	21/32	3/16	1/4
ATI488C-15	11/16	3/16	1/4
ATI488C-16	23/32	3/16	1/4
ATI488C-17	3/4	3/16	1/4
ATI488C-18	25/32	3/16	1/4
ATI488C-19	13/16	3/16	1/4
ATI488C-20	27/32	3/16	1/4
ATI488C-21	7/8	3/16	1/4
ATI488C-22	29/32	3/16	1/4
ATI488C-23	15/16	3/16	1/4
ATI488C-24	31/32	3/16	1/4
ATI488C-25	1	3/16	1/4
ATI488C-26	1 1/16	3/16	3/8
ATI488C-27	1 1/8	3/16	3/8
ATI488C-28	1 3/16	3/16	3/8
ATI488C-29	1 1/4	3/16	3/8
ATI488C-30	1 5/16	3/16	3/8
ATI488C-31	1 3/8	3/16	3/8
ATI488C-32	1 1/2	3/16	3/8

COUNTERBORE PILOTS

- Use these pilots with ATI488C counterbores.
- Match the shank diameter of the pilot to the pilot hole diameter of the counterbore.


ATI489B-8

Shank Diameter \ Pilot Diameter	3/32	1/8	5/32	#21	3/16	#10	7/32	1/4	F	9/32	5/16	11/32	3/8
3/32	ATI489A-1	ATI489A-2	ATI489A-3	ATI489A-4	ATI489A-5	ATI489A-6	ATI489A-7	ATI489A-8	ATI489A-9	ATI489A-10	ATI489A-11		
1/8		ATI489B-2	ATI489B-3	ATI489B-4	ATI489B-5	ATI489B-6	ATI489B-7	ATI489B-8	ATI489B-9	ATI489B-10	ATI489B-11	ATI489B-12	ATI489B-13
3/16					ATI489C-5	ATI489C-6	ATI489C7	ATI489C-8	ATI489C-9	ATI489C10	ATI489C-11	ATI489C-12	ATI489C-13

DIMPLE DIES

- Dimple Dies are made from heat treated tool steel, ground, and polished.
- For AN426 rivets.
- Shank diameter is 3/16" and features a spring clip to keep dies in place during use.


ATI206A-6-R


ATI207A-5-R

Rivet Size		3/32			1/8			5/32		
Type		Male	Female	Male & Female	Male	Female	Male & Female	Male	Female	Male & Female
Body Length	1/4	ATI206A-3-P	ATI207A-3-P	ATI207206A3P	ATI206A-4-P	ATI207A-4-P	ATI207206A4P	ATI206A-5-P	ATI207A-5-P	ATI207206A5P
	3/8	ATI206A-3-R	ATI207A-3-R	ATI207206A3R	ATI206A-4-R	ATI207A-4-R	ATI207206A4R	ATI206A-5-R	ATI207A-5-R	ATI207206A5R
	1/2	ATI206A-3-S	ATI207A-3-S	ATI207206A3S	ATI206A-4-S	ATI207A-4-S	ATI207206A4S	ATI206A-5-S	ATI207A-5-S	
	5/8	ATI206A-3-T	ATI207A-3-T							

Rivet Size		3/16			1/4	
Type		Male	Female	Male & Female	Male	Female
Body Length	1/4	ATI206A-6-P	ATI207A-6-P	ATI207206A6P	ATI206A-8-P	ATI207A-8-P
	3/8	ATI206A-6-R	ATI207A-6-R	ATI207206A6R	ATI206A-8-R	ATI207A-8-R
	1/2	ATI206A-6-S	ATI207A-6-S	ATI207206A6S		
	5/8					

Included in 24 Piece Kit


ATI206A-24PC

ATI206A-24PC DIMPLE DIE KIT

- Kit contains 24 male and female dimple dies for use with hand and stationary rivet squeezers.
- Dies contained in a sturdy, tool control style box.



ATI TOOLS
A Snap-on Specialty Tools Brand



cutaway picture shown

ATI444 MICROSTOPS

- For high volume, accurate countersinking in a production environment.
- Full ball bearing shaft support for increased life.
- Heavy duty ball thrust bearing ensures depth repeatability.
- Fail-safe design accomplished with integrated shoulder on shaft.
- Debris filter prevents chips and dust from contaminating bearings.
- .0005" depth adjustment, 5/16" shaft travel.
- Right-hand threaded lock nut prevents jamming of adjustment mechanism.
- Multiple skirt configuration options.
- Multiple shaft configuration options.



cutaway picture shown

ATI443 MICROSTOPS

- For lower volume countersinking in maintenance and home-build environments.
- Bronze bushing shaft support.
- Heavy duty ball thrust bearing ensures depth repeatability.
- Fail-safe design accomplished with integrated shoulder on shaft.
- .0005" depth adjustment, 5/16" shaft travel.
- Right-hand threaded lock nut prevents jamming of adjustment mechanism.
- Multiple skirt configuration options.
- Multiple shaft configuration options.

Skirts:					
	S Straight 3/4" Capacity		C Close 5/16" Capacity		H Nylon Flange Insert 3/4" Capacity
				Extended Skirts: 2-3/4" Extension Includes extension shaft	
	E Straight Cutaway 3/4" Capacity		D Bell 1" Capacity		LA 10-32 Female Thread 1/4 ID x 3/8 OD
	F Flanged 3/4" Capacity		W Flanged Bell 1" Capacity		LB 1/4-28 Female Thread 5/16 ID x 7/16 OD
	G Flanged Cutaway 3/4" Capacity		J .532 OD .332 Capacity		LC 1/4-28 Female Thread 3/8 ID x 1/2 OD
	B 2-Legged 3/4" Capacity		K .600 OD .400 Capacity		LD 1/4-28 Female Thread 5/8 ID x 3/4 OD
	A Phenolic Insert 3/4" Capacity		N Nylon Insert 3/4" Capacity		

SHAFTS: All shafts feature wrenching flats to aid in removal of cutter after use.	
	1 1/4"-28 Female Thread 1/4 Round Shank
	2 1/4"-28 Female Thread 3 Chuck Flats Shank
	3 1/4"-28 Female Thread Quick Change Shank
	4 M6 Female Thread 1/4 Round Shank
	5 M6 Female Thread 3 Chuck Flats Shank

ORDERING: Choose either ATI444 or ATI443, Skirt Option, and Shaft Option!

	Product Code	Model	+	Skirt	+	Shaft
Ex.	ATI444G2	ATI444	+	G	+	2
Ex.	ATI444LA4	ATI444	+	LA	+	4
Ex.	ATI443S1	ATI443	+	S	+	1
Ex.	ATI443A2	ATI443	+	A	+	2



ATI432A



ATI462H3-1.3

JUMBO SIZE MICROSTOPS

- For production environment countersinking of larger sized holes.
- Fail-safe design accomplished with integrated shoulder on shaft.
- All shafts feature wrenching flats to aid in removal of cutter after use.
- 3/4" shaft travel.
- Ball thrust bearing ensures depth repeatability.

Product Code	Shaft Thread	Shaft Support	Adjustment Increment	Cutter Capacity	Shank	OAL
ATI432A	7/16"-20 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI432B	3/8"-24 Female	Bronze Bushing	.001	1-1/4"	3/8" Round	7"
ATI462	3/8"-24 Female	Bronze Bushing	.003	7/8"	3/8" Round	5"
ATI462H3-1.3	3/8"-24 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H3-1.5	3/8"-24 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"
ATI462H7-1.3	7/16"-20 Female	Ball Bearing	.0005	1-1/4"	3 Chuck Flats	5"
ATI462H7-1.5	7/16"-20 Female	Ball Bearing	.0005	1-3/8"	3 Chuck Flats	5"

ATI TOOLS
A Snap-on Specialty Tools Brand

ATI590CSK MICROSTOP/COUNTERSINK KIT

- Provides countersinking versatility.
- Includes one high-speed standard size ATI Microstop for precise, accurate countersinking.
- Includes an assortment of popular skirt and nose piece configurations.
- Includes nine 1/2" diameter, 100° cutters with pilots of #40, #30, #21, #10, 3/32", 1/8", 5/32", 3/16", and 1/4"



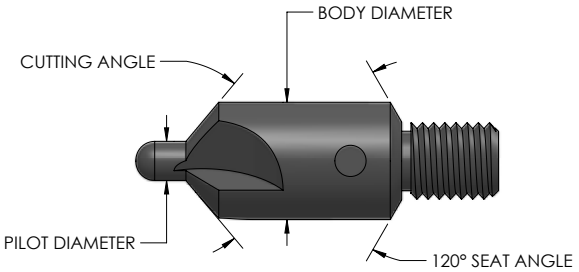
ATI590CSK

COUNTERSINK CUTTERS, THREADED SHANK

- Manufactured of M2 High-Speed Steel Or Carbide-Tipped
- High Speed Steel Countersinks Ground On-Centers To Insure Concentricity
- 120-Degree Seating Angle For Standard Fit
- Used With ATI443 Or ATI444 Series Microstops

Integral-Pilot Countersink Cutter, High Speed Steel, 1/4-28 Threads

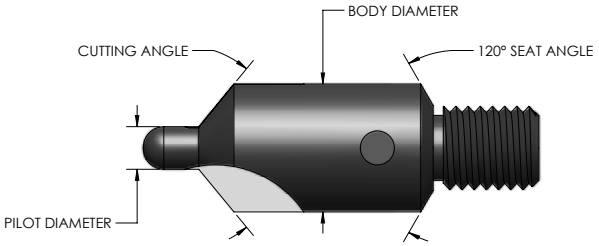
3 Flutes, 100° Product Code	Body Diameter	Pilot Size	2 Flutes, 100° Product Code	Body Diameter	Pilot Size
ATI420C4332	3/8"	3/32"	ATI445E43/32	1/2"	3/32"
ATI420C440	3/8"	#40	ATI445E440	1/2"	#40
ATI420C418	3/8"	1/8"	ATI445E41/8	1/2"	1/8"
ATI420C430	3/8"	#30	ATI445E430	1/2"	#30
ATI420C45/32	3/8"	5/32"	ATI445E45/32	1/2"	5/32"
ATI420C421	3/8"	#21	ATI445E421	1/2"	#21
ATI420C413	3/8"	#13	ATI445E420	1/2"	#20
ATI420C4316	3/8"	3/16"	ATI445E416	1/2"	#16
ATI420C410	3/8"	#10	ATI445E413	1/2"	#13
ATI420C41/4	3/8"	1/4"	ATI445E43/16	1/2"	3/16"
ATI420D43/32	7/16"	3/32"	ATI445E4-11	1/2"	#11
ATI420D440	7/16"	#40	ATI445E410	1/2"	#10
ATI420D41/8	7/16"	1/8"	ATI445E4-1/4	1/2"	1/4"
ATI420D430	7/16"	#30	ATI445E47/32	1/2"	7/32"
ATI420D45/32	7/16"	5/32"	ATI445G430	5/8"	#30
ATI420D421	7/16"	#21	ATI445G41/4	5/8"	1/4"
ATI420D420	7/16"	#20	ATI445G45/16	5/8"	5/16"
ATI420D416	7/16"	#16			
ATI420D413	7/16"	#13			
ATI420D43/16	7/16"	3/16"			
ATI420D410	7/16"	#10			
ATI420D41/4	7/16"	1/4"			
ATI420D47/32	7/16"	7/32"			
ATI420G43/16	5/8"	3/16"			
ATI420G4-1/4	5/8"	1/4"			
ATI420G45/16	5/8"	5/16"			

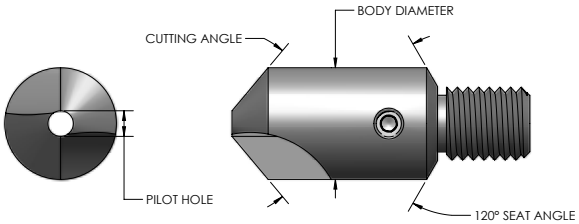


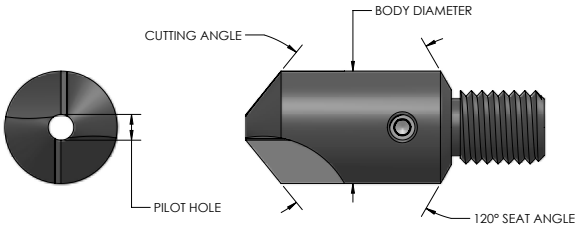
ATI445E421 Shown

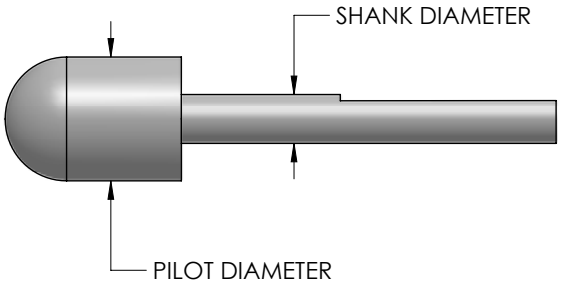


ATI TOOLS
A Snap-on Specialty Tools Brand









COUNTERSINK CUTTERS

INTEGRAL-PILOT COUNTERSINK CUTTER, CARBIDE-TIPPED, ¼"-28 THREADS

2 Flutes, 100° Product Code	Body Diameter	Pilot Size
ATI445CE4332	½"	3/32"
ATI445CE440N	½"	#40
ATI445CTE418	½"	⅛"
ATI445CTE430	½"	#30
ATI445CE4532	½"	5/32"
ATI445CTE421	½"	#21
ATI445CE4316	½"	3/16"
ATI445CTE410	½"	#10
ATI445CTE414	½"	¼"
ATI445CG414	⅝"	¼"
ATI445CG4516	⅝"	5/16"

REPLACEABLE-PILOT COUNTERSINK CUTTER, HSS, ¼"-28 THREADS

2 Flutes, 100° Product Code	Body Diameter	Pilot Hole	Pilot Series
ATI455A-4	¼"	.086	ATI484-
ATI455B-4	5/16"	.086	ATI484-
ATI455C-4	⅜"	.086	ATI484-
ATI455D-4	7/16"	.086	ATI484-
ATI455E-4	½"	.086	ATI484-
ATI455G-4	⅝"	.086	ATI484-

REPLACEABLE-PILOT COUNTERSINK CUTTER, CARBIDE-TIPPED, ¼"-28 THREADS

2 Flutes, 100° Product Code	Body Diameter	Pilot Hole	Pilot Series
ATI455CTE-4	½"	.125	ATI485-
ATI455CTG-4	⅝"	.125	ATI485-

REPLACEABLE PILOTS

Product Code	Pilot Diameter	Shank Diameter
ATI484-2	#40	.086
ATI484-12	#30	.086
ATI484-21	#21	.086
ATI484-31	#11	.086
ATI484-32	#10	.086
ATI484-56	3/32"	.086
ATI484-57	⅛"	.086
ATI484-59	5/32"	.086
ATI484-61	3/16"	.086
ATI484-63	7/32"	.086
ATI484-65	¼"	.086
ATI485-57	⅛"	.125
ATI485-59	5/32"	.125
ATI485-61	3/16"	.125
ATI485-65	¼"	.125

ATI TOOLS
A Snap-on Specialty Tools Brand

ATI508K CANNON PLUG PLIERS

- Slip-joint handles
- Serrated, replaceable plastic jaws (ATI508K-4)
- Adjustable grip range from ¾" to 2-½" diameter
- Used to tighten or loosen threaded collars on electrical connectors



ATI508K

ATI044P3 CAMLOC PLIERS

- For use with Camloc Fasteners, Stud Series 2000, 2700, and 4002



ATI0443P3

SHEET HOLDER PLIERS

- Forged steel
- Available with ergonomically designed cushioned grips

Product Code	Description
ATI508S	For use with ATI542, ATI543, and plier-operated sheet holders and side grip clamps
ATI508SG	ATI508S with high visibility cushioned grips



ATI508SG

SPRING TENSION CLAMPS

- U-clamp, plier operated
- 70-Pound clamping pressure

Product Code	Material Capacity	Reach
ATI542	0-7/16"	2"
ATI542S	0-7/16"	2"
ATI543	¼"-15/32"	3"



ATI542

SIDE-GRIP CLAMPS

- Plier operated, spring loaded
- Minimized surface marring
- No over tightening possible
- 60 Pounds clamping force

Product Code	Material Capacity	Reach	OAL
ATI550SG	0-¾"	1"	2-7/16"
ATI551SG	0-¾"	½"	2-7/16"
ATI552SG	0-½"	1"	2-3/16"
ATI553SG	0-½"	½"	2-3/16"



ATI550SG



ATI TOOLS
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ATI552M

PLIER OPERATED TEMPORARY FASTENERS

Product Code	Grip Range	Size	For Drill	Color
ATI551M	0-¼"	3/32"	#40	Zinc
ATI552M	0-¼"	⅛"	#30	Copper
ATI553M	0-¼"	5/32"	#21	Black
ATI554M	0-¼"	3/16"	#10	Brass
ATI556M	0-¼"	¼"	¼"	Copper
ATI551MHD	0-½"	3/32"	#40	Zinc
ATI552MHD	0-½"	⅛"	#30	Copper
ATI553MHD	0-½"	5/32"	#21	Black
ATI554MHD	0-½"	3/16"	#10	Brass
ATI556MHD	0-½"	¼"	¼"	Copper



ATI551HNX

POWER OPERATED TEMPORARY FASTENERS, HEX NUT

Product Code	Grip Range	Size	For Drill	Color
ATI551HNX	0-½"	3/32"	#40	Zinc
ATI552HNX	0-½"	⅛"	#30	Copper
ATI553HNX	0-½"	5/32"	#21	Black
ATI554HNX	0-½"	3/16"	#10	Brass
ATI556HNX	0-½"	¼"	1/4"	Copper
ATI551HNXL	0-1"	3/32"	#40	Zinc
ATI552HNXL	0-1"	⅛"	#30	Copper
ATI553HNXL	0-1"	5/32"	#21	Black
ATI554HNXL	0-1"	3/16"	#10	Brass
ATI556HNXL	0-1"	¼"	¼"	Copper



ATI552WNX

MANUALLY OPERATED TEMPORARY FASTENERS, WING NUT

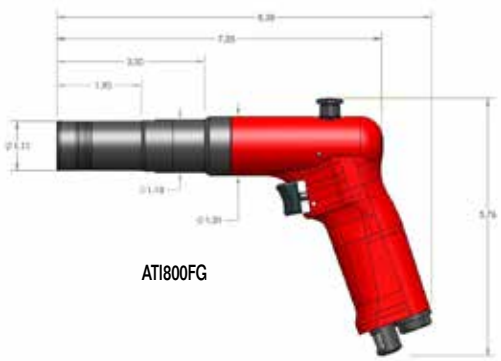
Product Code	Grip Range	Size	For Drill	Color
ATI551WNX	0-½"	3/32"	#40	Zinc
ATI552WNX	0-½"	⅛"	#30	Copper
ATI553WNX	0-½"	5/32"	#21	Black
ATI554WNX	0-½"	3/16"	#10	Brass
ATI556WNX	0-½"	¼"	1/4"	Copper
ATI551WNXL	0-1"	3/32"	#40	Zinc
ATI552WNXL	0-1"	⅛"	#30	Copper
ATI553WNXL	0-1"	5/32"	#21	Black
ATI554WNXL	0-1"	3/16"	#10	Brass
ATI556WNXL	0-1"	¼"	¼"	Copper



CBXBF532PC

POWER OPERATED TEMPORARY FASTENERS, CYLINDRICAL BODY W/ PLASTIC CAP

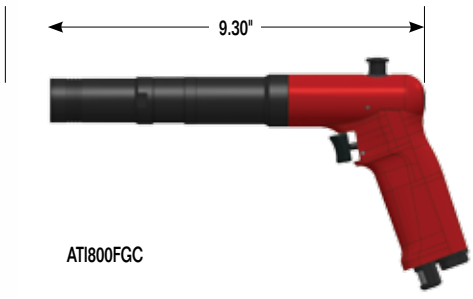
Product Code	Grip Range	Size	For Drill	Color
CBXBF332PC	0-½"	3/32"	#40	Zinc
CBXBF18PC	0-½"	⅛"	#30	Copper
CBXBF532PC	0-½"	5/32"	#21	Black
CBXBF316PC	0-½"	3/16"	#10	Brass
CBXBF14PC	0-½"	¼"	¼"	Copper
CBXLBF332PC	0-1"	3/32"	#40	Zinc
CBXLBF18PC	0-1"	⅛"	#30	Copper
CBXLBF532PC	0-1"	5/32"	#21	Black
CBXLBF316PC	0-1"	3/16"	#10	Brass
CBXLBF14PC	0-1"	¼"	¼"	Copper



ATI800FG

ATI800FG SKIN CLAMP RUNNER, FOR INSTALLING CYLINDRICAL BODY FASTENERS

- Heavy duty, lightweight, and compact
- Push button rapid reverse with lock position
- Dual roller clutch carriers for longevity
- Greater torque in reverse

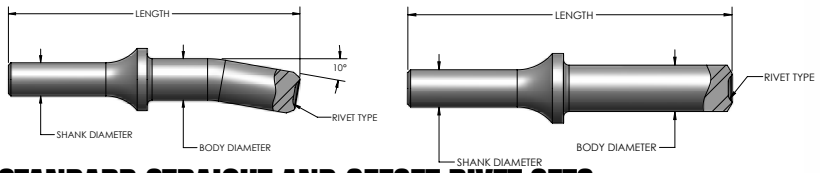


ATI800FGC

ATI800FGC SKIN CLAMP RUNNER, TORQUE CONTROL CLUTCH

- Heavy duty and lightweight
- Adjustable clutch for specific torque applications
- Push button rapid reverse with lock position
- Dual roller clutch carriers for longevity
- Greater torque in reverse

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ATI101AF-3A

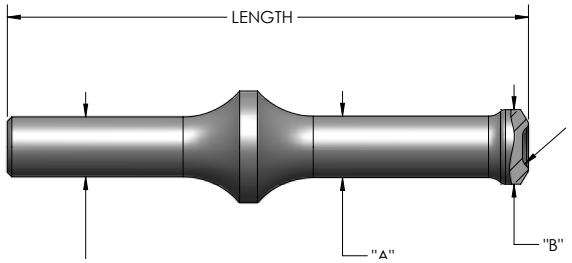
STANDARD STRAIGHT AND OFFSET RIVET SETS

- Blended radius between cup and chamfer
- Highly polished cup. Free of machine marks or ridges
- Manufactured from high grade, shock resistant steel

Straight Type Rivet Set Product Code	Offset Type Rivet Set Product Code	Length (in)	Rivet Type	Rivet Size (in)	Shank Diameter (in)	Body Diameter (in)
ATI100AF-3A	ATI101AF-3A	3 ½	FLUSH	FLUSH	0.401	½
ATI100AF-3B	ATI101AF-3B	3 ½	FLUSH	FLUSH	0.401	⅝
ATI100AF-5A	ATI101AF-5A	5 ½	FLUSH	FLUSH	0.401	½
ATI100AF-5B	ATI101AF-5B	5 ½	FLUSH	FLUSH	0.401	⅝
ATI100AF-7A	ATI100AF-7A	7 ½	FLUSH	FLUSH	0.401	½
ATI100AF8A	ATI101AF8A	10 ½	FLUSH	FLUSH	0.401	½
ATI100A2-332		2 ½	AN470	3/32	0.401	½
ATI100A218		2 ½	AN470	⅛	0.401	½
ATI100A2532		2 ½	AN470	5/32	0.401	½
ATI100A2316		2 ½	AN470	3/16	0.401	½
ATI100A214		2 ½	AN470	¼	0.401	⅝
ATI100A21/4F		2 ½	BACR15FT	¼	0.401	⅝
ATI100A31/16	ATI101A31/16	3 ½	AN470	1/16	0.401	½
ATI100A33/32	ATI101A33/32	3 ½	AN470	3/32	0.401	½
ATI100A3-1/8	ATI101A3-1/8	3 ½	AN470	⅛	0.401	½
ATI100A31/8F	ATI101A31/8F	3 ½	BACR15FT	⅛	0.401	½
ATI100A35/32	ATI101A35/32	3 ½	AN470	5/32	0.401	½
ATI100A3532F	ATI101A3532F	3 ½	BACR15FT	5/32	0.401	½
ATI100A33/16	ATI101A3316	3 ½	AN470	3/16	0.401	½
ATI100A3316F	ATI101A3316F	3 ½	BACR15FT	3/16	0.401	½
ATI100A37/32	ATI101A3732	3 ½	AN470	7/32	0.401	½
ATI100A3732F	ATI101A3732F	3 ½	BACR15FT	7/32	0.401	½
ATI100A3-1/4	ATI101A3-1/4	3 ½	AN470	¼	0.401	⅝
ATI100B3-1/4	ATI101B3-1/4	3 ½	AN470	¼	0.498	⅝
ATI100A31/4F	ATI101A31/4F	3 ½	BACR15FT	¼	0.401	⅝
ATI100A53/32	ATI101A53/32	5 ½	AN470	3/32	0.401	½
ATI100A5332F		5 ½	BACR15FT	3/32	0.401	½
ATI100ASP03		5 ½	BACR15FT	3/32	0.401	0.310
ATI100A51/8	ATI101A518	5 ½	AN470	⅛	0.401	½
ATI100A55/32	ATI101A5-532	5 ½	AN470	5/32	0.401	½
ATI100A5532F	ATI101A5532F	5 ½	BACR15FT	5/32	0.401	½
ATI100A53/16	ATI101A53/16	5 ½	AN470	3/16	0.401	½
ATI100A57/32	ATI101A57/32	5 ½	AN470	7/32	0.401	½
ATI100A514	ATI101A514	5 ½	AN470	¼	0.401	⅝
ATI100A73/32	ATI101A73/32	7 ½	AN470	3/32	0.401	½
ATI100A71/8	ATI101A71/8	7 ½	AN470	⅛	0.401	½
ATI100A75/32	ATI101A75/32	7 ½	AN470	5/32	0.401	½
ATI100A73/16	ATI101A73/16	7 ½	AN470	3/16	0.401	½
ATI100A77/32	ATI101A77/32	7 ½	AN470	7/32	0.401	½
ATI100A71/4A	ATI101A7-1/4	7 ½	AN470	¼	0.401	⅝
ATI100A8332	ATI101A8332	10 ½	AN470	3/32	0.401	½
ATI100A818	ATI101A818	10 ½	AN470	⅛	0.401	½
ATI100A8532	ATI101A8532	10 ½	AN470	5/32	0.401	½
ATI100A8316	ATI101A8316	10 ½	AN470	3/16	0.401	½
ATI100A93/32	ATI101A93/32	13 ½	AN470	3/32	0.401	½



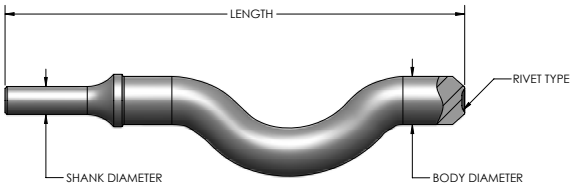
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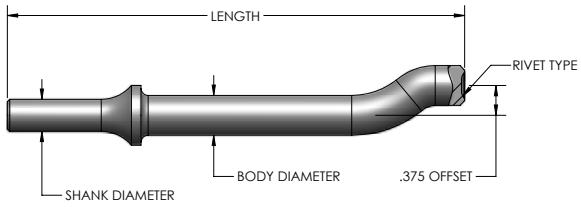
MODIFIED RIVET SETS

Straight Rivet Set Product Code	Length (in)	Offset Rivet Set Product Code	Length (in)	Rivet Type	Rivet Size (in)	Shank Size (in)	"A" Dimension (in)	"B" Dimension (in)
1112MBC4014	3.31	1112MBR40143	3 ½	BACR15FT	⅛	0.401	0.280	0.280
ST1112BC453	3.31			BACR15FT	⅛	0.401	0.281	0.437
1112MBC4015	3.31	1112MBR40153	3 ½	BACR15FT	5⁄32	0.401	0.310	0.350
1112MBC401A5	3.31			BACR15FT	5⁄32	0.401	0.310	0.310
ST1112BC553	3.31			BACR15FT	5⁄32	0.401	0.312	0.500
1112MBC4016	3.31	ST1112MBR63	3 ½	BACR15FT	5⁄32	0.401	0.340	0.410
1112MBC401A6	3.31			BACR15FT	5⁄32	0.401	0.368	0.340
ST1112BC653	3.31			BACR15FT	5⁄32	0.401	0.344	0.562
ST1112MBC7	3.31	1112MBR40173	3 ½	BACR15FT	7⁄32	0.401	0.380	0.480
1112MBC401A7	3.31			BACR15FT	7⁄32	0.401	0.406	0.380
1112MBC4018	3.31	1112MBR40183	3 ½	BACR15FT	¼	0.401	0.410	0.540
1112MBC401A8	3.31			BACR15FT	¼	0.401	0.482	0.410
ST1112BC853	3.31			BACR15FT	¼	0.401	0.406	0.656

GOOSENECK RIVET SET



DOUBLE OFFSET RIVET SET



STANDARD GOOSENECK AND DOUBLE OFFSET RIVET SETS

Gooseneck Rivet Set Product Code	Length (in)	Body Diameter (in)	Double Offset Product Code	Length (in)	Body Diameter (in)	Rivet Type	Rivet Size (in)	Shank Diameter (in)
ATI104AF	6 5⁄8	0.69	ATI105AF	5 3⁄4	½	FLUSH	FLUSH	0.401
ATI104A-1/4	6 5⁄8	0.69	ATI105A-1/4	5 3⁄4	½	AN470	¼	0.401
ATI104A-1/8	6 5⁄8	0.69	ATI105A-1/8	5 3⁄4	½	AN470	⅛	0.401
ATI104A-3/16	6 5⁄8	0.69	ATI105A-3/16	5 3⁄4	½	AN470	3⁄16	0.401
ATI104A-3/32	6 5⁄8	0.69	ATI105A-3/32	5 3⁄4	½	AN470	3⁄32	0.401
ATI104A-5/32	6 5⁄8	0.69	ATI105A-5/32	5 3⁄4	½	AN470	5⁄32	0.401

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ATI106A

RUBBER GUARD SWIVEL FLUSH SET

- Ball swivel type
- Highly polished crowned face with rubber guard
- Designed for ease of handling, with a swivel action for quick alignment.

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATI106A	1 1/4	3 1/2	.401
ATI106B	1 1/4	3 1/2	.498



ATI110CB

RUBBER GUARDED FLUSH RIVET SET

- Highly polished crowned face
- Rubber rim guard to prevent slipping and damage to skin surface

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATI110CA	3/4	2 1/2	.401
ATI110CB	1	2 1/2	.401
ATI110CC	1 1/4	2 1/2	.401



ATI112A

MUSHROOM TYPE FLUSH RIVET SET

- Highly polished crowned face
- Mushroomed face to prevent famage in thin sections

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATI112A	1 7/8	3	.401
ATI112B	1 7/8	3	.498



ATI121A-3

OFFSET FLUSH RIVET SET

- 10 Degree angle offset
- Highly polished crowned face

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATI121A-3	1 1/4	3 1/2	.401
ATI121A-4	1	5 1/2	.401
ATI121A-6	1	7 1/2	.401



WARNING



ATI107A-1

FLUSH SET

- Straight flush set
- Crowned face for rapid flush riveting

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)	Material
ATI107A-1	1	2 3/4	.401	Steel
ATI107A-2	1 1/4	2 3/4	.401	Steel
ATI107A-2D	1	3 1/4	.401	Steel
ATI107A2DB	1	3 1/4	.401	Steel With Brass Insert
ATI107A2DN	1	3 1/4	.401	Steel with Nylon Insert
ATI107A-3	1 1/4	3 1/2	.401	Steel
ATI107A-4	1	5 1/2	.401	Steel
ATI107A-6	1	7 1/2	.401	Steel
ATI119A-1B	3/4	2 1/8	.401	Steel
ATI119A-2B	1	2 1/8	.401	Steel
ATI119A-3B	1 1/8	2 1/8	.401	Steel
ATI119A4B	1 1/4	2 1/8	.401	Steel
ATI119B-2B	1	2 1/8	.498	Steel



ATI113A-1

EXTRA SHORT FLUSH RIVET SET

- Extra short for access and strengh
- Highly polished crowned face

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATI113A-1	3/4	1 11/16	.401
ATI113A-2	1	1 13/16	.401
ATI113A-3	1 1/4	1 13/16	.401



ATIST1111BK2

OFFSET FLUSH RIVET SET

- Highly polished machined crown
- Replaceable polyurethane rim to prevent slipping and skin damage

Product Code	Face Diameter (in)	Length (in)	Shank Diameter (in)
ATIST1111BK1	3/4	2 1/2	.401
ATIST1111BK2	1	2 1/2	.401
ATIST1111BK3	1 1/4	2 1/2	.401

ATI TOOLS
A Snap-on Specialty Tools Brand



Hi-Shear® Knockout Punch



Standard Knockout Punch

KNOCKOUT PUNCHES

- Premium, shock resistant, heat treated steel

Standard Knockout Punch	Hi-Shear Knock Out Punch	Rivet Size (in)	Length (in)	Shank Diameter (in)
ATI141A33/32	ATI140A-3	3/32	3 1/2	.401
	ATI140A341/4	3/32	4 1/4	.401
ATI141A31/8	ATI140A-4	1/8	3 1/2	.401
	ATI140A441/4	1/8	4 1/4	.401
ATI141A35/32	ATI140A-5	5/32	3 1/2	.401
	ATI140A541/4	5/32	4 1/4	.401
ATI141A33/16	ATI140A-6	3/16	3 1/2	.401
ATI141B33/16	ATI140B-6	3/16	3 1/2	.498
	ATI140A641/4	3/16	4 1/4	.401
ATI141A37/32		7/32	3 1/2	.401
ATI141A31/4	ATI140A-8	1/4	3 1/2	.401
ATI141B31/4	ATI140B-8	1/4	3 1/2	.498
	ATI140A841/4	1/4	4 1/4	.401
ATI141A35/16	ATI140A-10	5/16	3 1/2	.401
ATI141B35/16	ATI140B-10	5/16	3 1/2	.498
ATI141A33/8	ATI140A-12	3/8	3 1/2	.401
ATI141B33/8	ATI140B-12	3/8	3 1/2	.498



ATI501R

ATI501R RIVET CUTTER - 3/32" - 1/4" - STANDARD HANDLES

- Cuts all aluminum rivets from 3/32" to 1/4"
- Adjustable rivet cutting length guide from 1/4" to 3/4" in 1/16" increments



ATI501S

ATI501S RIVET CUTTER - 3/32" - 1/4" - EXTENDED HANDLES

- Cuts all aluminum rivets from 3/32" to 1/4"
- Adjustable rivet cutting length guide from 1/4" to 3/4" in 1/16" increments
- 13" Tubular handles for additional leverage

ATI TOOLS
A Snap-on Specialty Tools Brand



ATI108AS5/32



ATI109ER

CUPPED AND FLUSH RIVET SQUEEZER SETS

Rivet Size (in)	Body Diameter (in)	Shank Diameter (in)	1/8" Body Length	1/4" Body Length	3/8" Body Length	1/2" Body Length	5/8" Body Length	3/4" Body Length	Rivet Type
3/32	3/8	3/16	ATI108AN3/32	ATI108AP3/32	ATI108AR3/32	ATI108AS3/32	ATI108AT3/32	ATI108AW3/32	AN470
1/8	3/8	3/16	ATI108AN1/8	ATI108AP1/8	ATI108AR1/8	ATI108AS1/8	ATI108AT1/8	ATI108AW1/8	AN470
5/32	1/2	3/16	ATI108AN5/32	ATI108AP5/32	ATI108AR5/32	ATI108AS5/32	ATI108AT5/32	ATI108AW5/32	AN470
5/32	1/2	3/16	ATI108AN532F	ATI108AP532F	ATI108AR532F	ATI108AS532F	ATI108AT532F	ATI108AW532F	BACR15FT
3/16	1/2	3/16	ATI108AN3/16	ATI108AP3/16	ATI108AR3/16	ATI108AS3/16	ATI108AT3/16	ATI108AW3/16	AN470
3/16	1/2	3/16	ATI108AN316F	ATI108AP316F	ATI108AR316F	ATI108AS316F	ATI108AT316F	ATI108AW316F	BACR15FT
1/4	5/8	3/16	ATI108AN1/4	ATI108AP1/4	ATI108AR14	ATI108AS1/4	ATI108AT1/4	ATI108AW1/4	AN470
1/4	5/8	3/16	ATI108AN1/4F	ATI108AP1/4F	ATI108AR1/4F	ATI108AS1/4F	ATI108AT1/4F		BACR15FT
FLUSH	1/2	3/16	ATI109AN	ATI109AP	ATI109AR	ATI109AS	ATI109AT	ATI109AW	FLUSH
FLUSH	3/8	3/16	ATI109EN	ATI109EP	ATI109ER	ATI109ES	ATI109ET	ATI109EW	FLUSH
FLUSH	1/2	1/4	ATI109BN	ATI109BP	ATI109BR	ATI109BS	AT109BT	ATI109BW	FLUSH
3/32	3/8	1/4	ATI108BN3/32	ATI108BP3/32	ATI108BR3/32	ATI108BS3/32	ATI108BT3/32	ATI108BW332	AN470
1/8	3/8	1/4	ATI108BN1/8	ATI108BP1/8	ATI108BR1/8	ATI108BS1/8	ATI108BT1/8	ATI108BW18	AN470
5/32	1/2	1/4	ATI108BN5/32	ATI108BP5/32	ATI108BR5/32	ATI108BS5/32	ATI108BT5/32	ATI108BW532	AN470
3/16	3/8	1/4	ATI108BN3/16	ATI108BP3/16	ATI108BR3/16	ATI108BS3/16	ATI108BT3/16	ATI108BW316	AN470
1/4	5/8	1/4		ATI108BP1/4	ATI108BR1/4	ATI108BS1/4	ATI108BT14		AN470

Included in 33 Piece Kit

Included in 16 Piece Kit

ATI108A33PC 33 PIECE 3/16" SHANK RIVET SQUEEZER SET

- For installing universal (an470) and flush (an426) rivets
- 3/16" Diameter shank with lock ring
- Universal (an470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- Body lengths of 1/8", 1/4", 3/8", 1/2" and 5/8"
- Suitable for either hand or pneumatic squeezers
- See chart above for squeezer sets included

ATI108A16PC 16 PIECE 3/16" SHANK RIVET SQUEEZER SET

- For installing universal (an470) and flush (an426) rivets
- 3/16" Diameter shank with lock ring
- Suitable for either hand or pneumatic squeezers
- Universal (an470) cup sizes 3/32", 1/8", 5/32", 3/16" and 1/4"
- See chart above for squeezer sets included



ATI108A33PC



⚠ WARNING

ATI TOOLS
A Snap-on Specialty Tools Brand



ATI501A

ATI501A ALLIGATOR TYPE HAND RIVET SQUEEZER

- 3/32" - 3/16" Rivet capacity
- 2 1/2" Reach
- 1-1/8" Gap
- 18" Handles for ample leverage
- Accepts 3/16" diameter shank rivet squeezer sets and cold dimple dies



ATI502AHE

C-TYPE SWIVEL YOKE HAND RIVET SQUEEZERS

- 3/32" - 3/16" Rivet capacity
- 3/8" Stroke
- 5/8" Ram adjustment to eliminate shims
- 360 Degree swivel yoke can be locked in any position
- Accepts 3/16" diameter shank rivet squeezer sets and cold dimple dies

Product Code	Reach (in)	Closed Gap (in)
ATI502AHD	1 1/2	1 5/8
ATI502AHE	3	1 1/2



ATI502TH11/2



ATIU114A



ATIU114C

PNEUMATIC ALLIGATOR TYPE RIVET SQUEEZER

- Quiet, simple and easy operation
- Swivel air inlet aids maneuverability

Product Code	Yoke Style	Cylinder Type	Yoke Reach (in)	Aluminum Rivet Capacity (in)	Steel Rivet Capacity (in)	Overall Length (in)	Weight With Jaws (lbs)
ATIU114A	Alligator	Single	1 1/2	1/8	3/32	9 1/4	4
ATIU114A214	Alligator	Single	2 1/4	3/32	3/32	10 1/8	4 1/2
ATIU-114A-3	Alligator	Single	3	3/32	1/16	10 7/8	5
ATIU-114TA	Alligator	Tandem	1 1/2	3/16	5/32	12	5 1/2
ATIU114TA214	Alligator	Tandem	2 1/4	3/16	1/8	13	6
ATIU114TA-3	Alligator	Tandem	3	5/32	3/32	14	6 1/4

Product Code	Yoke Style	Cylinder Type	Yoke Reach (in)	Aluminum Rivet Capacity (in)	Steel Rivet Capacity (in)	Overall Length (in)	Weight With Jaws (lbs)
ATIU114C	C-Type	Single	1 1/2	1/8	3/32	10 5/16	4 1/2

ATI TOOLS
A Snap-on Specialty Tools Brand

RIVET HAMMERS

- Teasing trigger for precise control
- Air flow control valve to limit output
- Beehive style retaining spring standard

Product Code	Aluminum Rivet Capacity (in)	Steel Rivet Capacity (in)	BPM	Length (in)	Weight (lbs)	Shank Diameter
ATIU-2X	5/32	3/32	2580	6 1/2	2 1/4	.401
ATIATC3X	3/16	5/32	2160	7 1/4	2 1/4	.401
ATIATC4X	1/4	3/16	1740	8 1/4	2 3/4	.401
ATIU-7X	5/16	1/4	1140	9 1/4	5 1/8	.498
ATIU-9X	3/8	5/16	900	11 1/4	6	.498



ATI114C-3 RETAINING SPRING

- Fast thumb release to quickly change rivet sets
- Works with any 3x or 4x rivet hammer
- Accomodates ½" or 5/16" body diameter rivet sets


ATI114C-3

90 DEGREE RIVET HAMMER ATTACHMENT

- Great for installing up to 3/16" rivets in hard to reach areas
- Uses ATI1757 and ATI1758 series rivet sets

Attachment Kit Product Code	Attachment Only Product Code	Shank Diameter (in)	Attachment Thread Pitch (TPI)	Application
ATI595BK	ATI595B	.401	7	Sioux Ingersoll Rand Jiffy
ATI595CK	ATI595C	.401	8	ATI Cleco Chicago Pneumatic

Product Code	Rivet Type	Rivet Size (in)	Body Length (in)	Body Diameter (in)	Shank Diameter (in)
ATI1757AP332	AN470	3/32	1/4	5/8	.401
ATI1757AP1/8	AN470	1/8	1/4	5/8	.401
ATI1757AP532	AN470	5/32	1/4	5/8	.401
ATI1757AP316	AN470	3/16	1/4	5/8	.401
ATI1758AP	FLUSH	FLUSH	1/4	5/8	.401
ATI1758AR	FLUSH	FLUSH	3/8	5/8	.401
ATI1758AS	FLUSH	FLUSH	1/2	5/8	.401



ATI595CK

WARNING

ATI TOOLS
A Snap-on Specialty Tools Brand

RIVET GUN KIT

- Durable soft sided case
- Air tool regulator and air tool oil
- Four common steel bucking bars
- Two rivet set retainer springs (standard and quick change)
- Pistol grip rivet hammer
- Three flush rivet sets
- Eight AN470 universal rivet sets (straight and offset)

Rivet Tool Kit Product Code	Rivet Hammer
ATI590RGK3X	ATIATC3X
ATI590RGK-4X	ATIATC4X



ATI590RGK4X
Clear zipper case included



ATI590SMKSP1

SHEET METAL MECHANICS SET

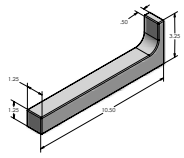
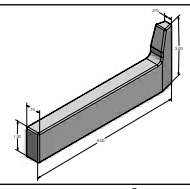
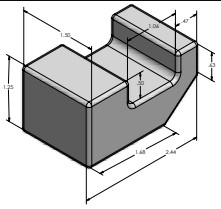
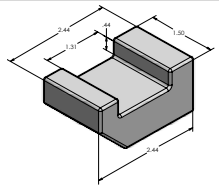
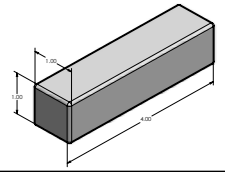
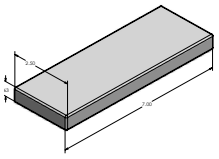
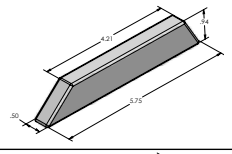
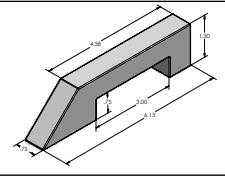
- Four straight AN470 universal rivet sets (3/32", 1/8", 5/32", 3/16")
- One flush rivet set
- Four integral pilot countersinks (#10, #21, #30, #40) pilot sizes
- Microstop-Ball Bearing
- Hand rivet cutter
- Rivet hammer (see chart)
- Four spring tension u-clamps
- 12 Each (3/32", 1/8", 5/32", 3/16") temporary fasteners
- Eight HSS drill bits; jobber length
- Sioux 1410 drill

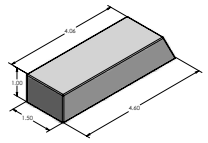
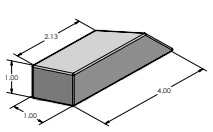
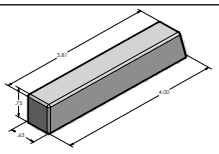
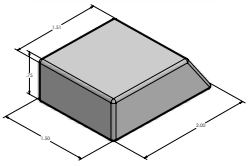
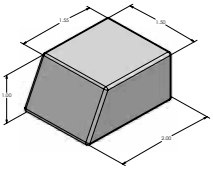
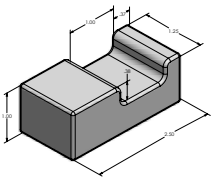
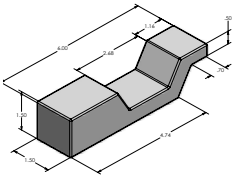
Sheet Metal Mechanics Kit Product Code	Rivet Hammer
ATI590SMKSP1	SIOUX 270A
ATI590SMKSP6	ATI ATIATC4X

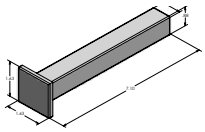
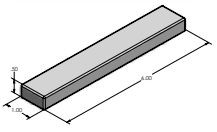
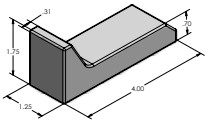
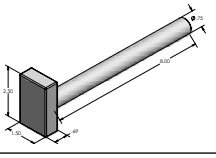
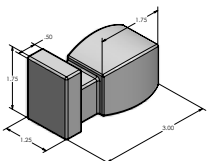
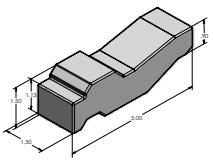
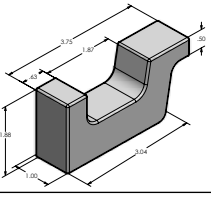
ATI TOOLS
A Snap-on Specialty Tools Brand

Tungsten Bucking Bars

- High-density tungsten absorbs riveting impact
- Reduces vibration and minimizes bucking bar movment during riveting
- Sharp edges are radiused up to 1/16" to prevent skin damage
- Smaller configurated design provides enhanced bucking in tight areas

Product Code	Weight (lbs)	Dimensions
ATI613T	9.0 lbs	
ATI614T	8.0 lbs	
ATI634T	1.6 lbs	
ATI634TX	1.4 lbs	
ATI729-3T	1.55 lbs	
ATI729-13T	1.2 lbs	
ATI732T	2.11 lbs	
ATI760B-2T	2.85 lbs	

Product Code	Weight (lbs)	Dimensions
ATI760B-10T	5.5 lbs	
ATI760B-10TX	1.92 lbs	
ATI760B10TXX	1.25 lbs	
ATI764T	1.3 lbs	
ATI765T	1.75 lbs	
ATI766T	1.7 lbs	
ATI6TBB08	6.0 lbs	

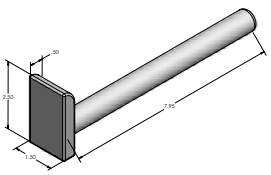
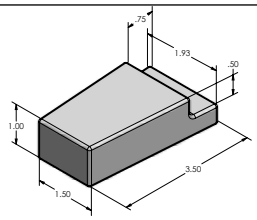
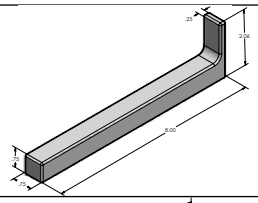
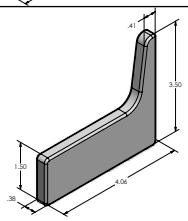
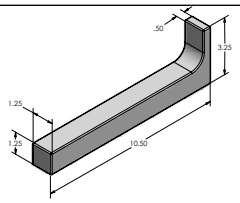
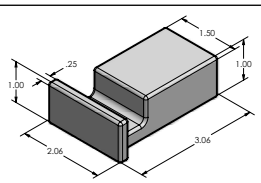
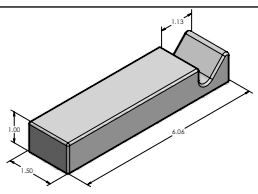
Product Code	Weight (lbs)	Dimensions
ATI6TBB10	3.85 lbs	
ATI6TBB20	1.95 lbs	
ATI6TBB22	2.90 lbs	
ATI6TBB24	4.05 lbs	
ATI6TBB25	3.15 lbs	
ATI6TBB37	5.75 lbs	
ATI6TBB40	3.05 lbs	

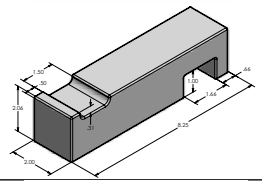
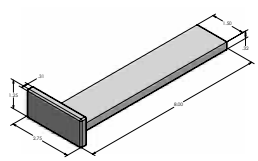
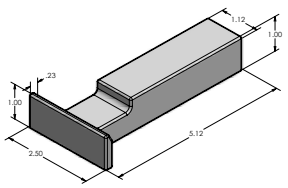
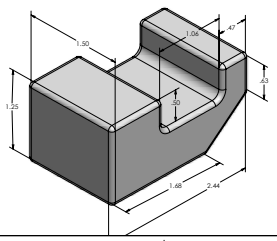
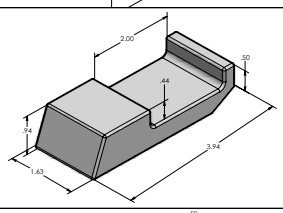
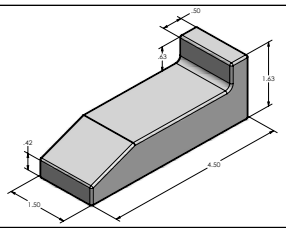
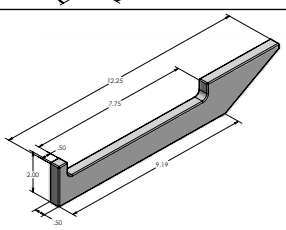


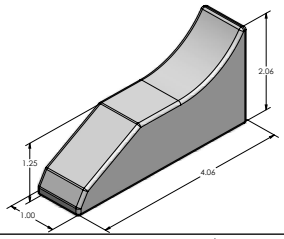
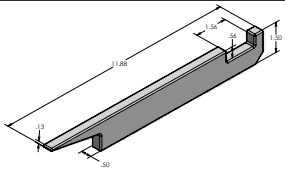
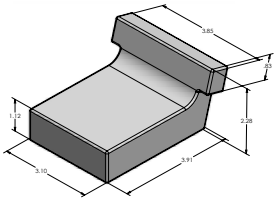
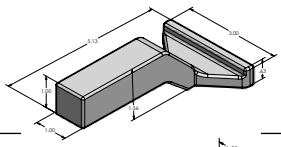
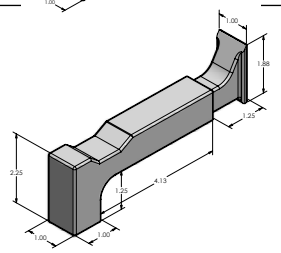
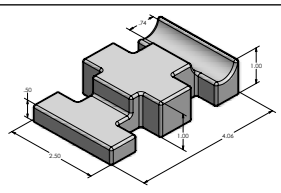
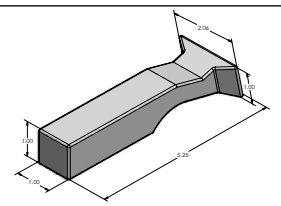
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Steel Bucking Bars

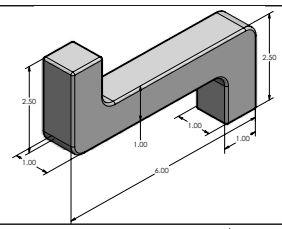
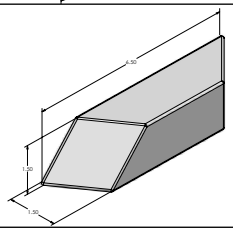
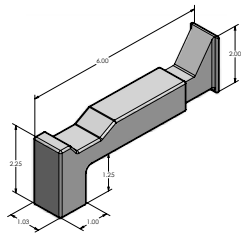
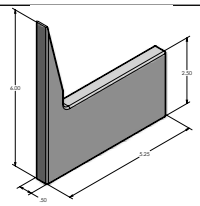
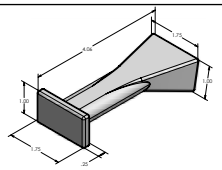
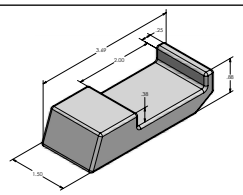
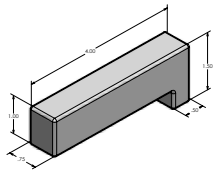
- All bucking surfaces are polished to a minimum 63 finish after heat treat
- All sharp corners and edges are radiused 1/32"-1/16" to prevent skin damage
- All bucking surfaces are dipped in clear plastic to prevent damage during shipment and storage

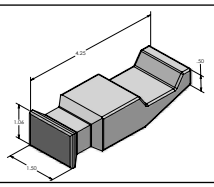
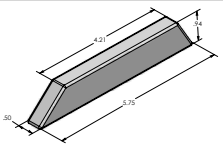
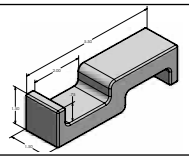
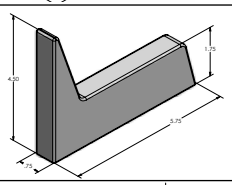
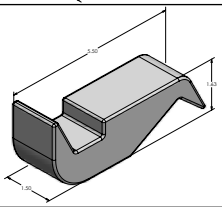
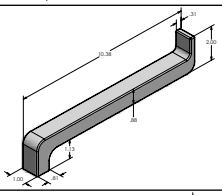
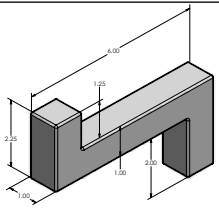
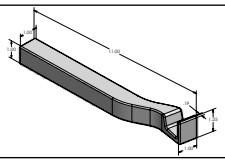
Product Code	Weight (lbs)	Dimensions
ATI604	1.5 lbs	
ATI605	1.5 lbs	
ATI608	1.25 lbs	
ATI610	.75 lbs	
ATI613	5.5 lbs	
ATI619	1.25 lbs	
ATI622	2.5 lbs	

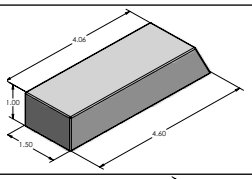
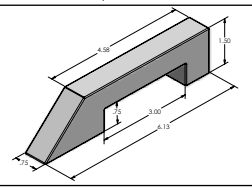
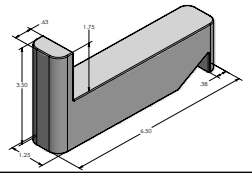
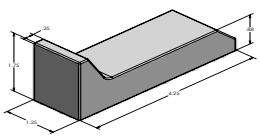
Product Code	Weight (lbs)	Dimensions
ATI627	7.75 lbs	
ATI630	1.5 lbs	
ATI633	1.5 lbs	
ATI634	1 lb	
ATI638	1.25 lbs	
ATI639	2 lbs	
ATI646	2.25 lbs	

Product Code	Weight (lbs)	Dimensions
ATI647	1.5 lbs	
ATI649	2 lbs	
ATI658	3.75 lbs	
ATI669	1.5 lbs	
ATI670	2 lbs	
ATI680	2 lbs	
ATI681	1.5 lbs	

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Product Code	Weight (lbs)	Dimensions
ATI690	2.5 lbs	
ATI692	3.25 lbs	
ATI694	2 lbs	
ATI715	2 LBS	
ATI720	.75 LBS	
ATI722	1 LB	
ATI727	1 LB	

Product Code	Weight (lbs)	Dimensions
ATI730	1.25 LBS	
ATI732	.75 LBS	
ATI736	2.25 LBS	
ATI750N-1	2.5 LBS	
ATI750P-3	2.75 LBS	
ATI750S-1	2.75 LBS	
ATI750S-61	2.75 LBS	
ATI751K-1	3 LBS	

Product Code	Weight (lbs)	Dimensions
ATI760B-10	2 LBS	
ATI760B-2	1.25 LBS	
ATI761C5	4.5 LBS	
ATI763	1.25 LBS	



ATI590BBK BUCKING BAR SET, 4-PIECE

- Set Includes 1 Each: ATI638, ATI647, ATI670, ATI681



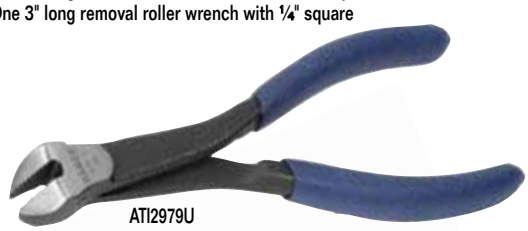
ATI TOOLS
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ATISK3539A8

ATISK3539A8 HI-LOK ROLLER CLUTCH WRENCH KIT

- Included ATI2979U HI-LOK removal pliers
- Used for installation and removal in confined areas
- Smooth, instantaneous engagement
- Six 3" long roller installation roller wrenches with dedicated sockets (7/32", 1/4", 5/16", 11/32", 3/8" and 7/16")
- One 3" long installation roller wrench with 1/4" square
- One 3" long removal roller wrench with 1/4" square



ATI2979U



ATISK3539L

HI-LOK ROLLER CLUTCH WRENCH

- Smooth, instantaneous engagement
- Good for limited access areas

Product Code	Direction	Drive	Length (in)	Finish
ATI3539IT14	Installation	1/4" Hex Socket	3	Black Oxide
ATISK3539	Installation	1/4" Square	3	Black Oxide
ATISK3539L	Installation	1/4" Square	6	Black Oxide
ATI3539I1132	Installation	11/32" Socket	3	Black Oxide
ATI3539IT38	Installation	3/8" Hex Socket	3	Black Oxide
ATI3539IT516	Installation	5/16" Hex Socket	3	Black Oxide
ATI3539IT716	Installation	7/16" Hex Socket	3	Black Oxide
ATI3539IT732	Installation	7/32" Hex Socket	3	Black Oxide
ATISK3539B	Installation	1/4" Square	3	Zinc
ATISK3539BL	Installation	1/4" Square	6	Zinc
ATISK3539LR	Removal	1/4" Square	6	Black Oxide
ATISK3539R	Removal	1/4" Square	3	Black Oxide



ATI3600K



ATI3594K

ATI3600K COMPREHENSIVE FRANGIBLE COLLAR INSTALLATION KIT

Comprehensive kit for installing frangible collar fasteners, including Hi-Lok ® and Hi-Lite ®
Kit contains:

- Ten sockets, 1/4" and 3/8" drive, hex sizes 3/16" thru 1/2"
- 1/4" ratchet and 3/8" compact ratchet, 72 tooth, dual pawl, reversing
- Ratchet extensions, 1/4" x 2" and 3/8" x 3
- Four T-hex keys, 5/64", 3/32", 1/8", and 5/32"
- One Standard Hex Key, 1/16"
- Compact case (8" x 5" x 1.75) with foam cutouts

ATI3594K FRANGIBLE COLLAR INSTALLATION KIT

Kit for installing frangible collar fasteners, including Hi-Lok® and Hi-Lite ®
Kit contains:

- Seven sockets, 1/4" drive, hex sizes 3/16" thru 3/8"
- 1/4" ratchet, 72 tooth, dual pawl, reversing
- Ratchet extensions, 1/4" x 2" and 1/4" x 4"
- Two T-hex keys, 5/64", 3/32"
- One Standard Hex Key, 1/16"
- Compact case (8" x 5" x 1.75") with foam cutouts, same case as ATI3600K

ATI TOOLS
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ATI2979U HI-LOK FASTENER REMOVAL PLIERS

- Serrated-jaw pattern for removal of all aluminum hi-lok fasteners
- Comfort grip handles
- Easy access to tight areas



ATI2979U

ATI3588K FRANGIBLE COLLAR REMOVAL KIT

Kit for removing frangible collar type fasteners.

Kit Contains:

- Six ATI3585 removal sockets for the most common Hi-Lok® and Hi-Lite® collars
- ¼" ratchet, 72 tooth, dual pawl, reversing
- Collar removal pliers
- Ratchet extensions, 2" and 4" Length, ¼" Drive
- Four T-hex keys, 5/64", 3/32", 1/8", and 5/32"
- One Standard Hex Key, 1/16"
- Compact case (9" x 5" x 1.5") with foam cutouts



ATI3588K

FRANGIBLE COLLAR REMOVAL SOCKETS

- New Patent-Pending design immediately engages collars with minimal downward force.
- Design allows for easy removal of collars from socket after extraction.
- Sockets feature ¼" drive and a set screw holds the socket in place on ratchet.
- Removes most collars such as Hi-Lok & Hi-Lite in most materials, including stainless steel and aluminum.
- Versatility: One ATI3585 removal socket can accommodate multiple fastener sizes.
- Compact size enables removal in the tightest access areas.

Product Code	Description
ATI3585-5B	Removes most -5 size Hi-Lok and Hi-Lite collars
ATI3585-6A	Removes most -6 size Hi-Lok and Hi-Lite collars
ATI3585-6B	Removes most -6 size aluminum Hi-Lok collars
ATI3585-8A	Removes most -8 size Hi-Lite collars
ATI3585-8B	Removes most -8 size stainless Hi-Lok collars
ATI3585-8C	Removes most -8 size aluminum Hi-Lok collars
ATI3585-6PC	Includes all six removal sockets above and socket rail



ATI3585-6PC



HI-TORQUE DRIVER

Product Code	Hex Insert	Blade Thickness (in)	Blade Width (in)	Body Diameter (in)	Length (in)
ATIHTS1	¼	0.049	0.274	½	1
ATIHTS-2	¼	0.059	0.295	½	1
ATIHTS-3	¼	0.059	0.377	½	1
ATIHTS-4	¼	0.073	0.502	½	1
ATIHTS-5	⅜	0.079	0.629	¾	1 ¼
ATIHTS6	⅜	0.095	0.745	¾	1 ¼



ATIHTS-3



ATI TOOLS
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ATI2165-2

HUCK LOCKBOLT REMOVAL CHISELS

- Used to remove swaged huck fasteners by shearing the collar
- .401 Shank
- 5 ½" Long

Product Code	Huck Lockbolt Size (in)	Head Diameter
ATI2165-2	5/32	0.62
ATI2165-3	3/16	0.75
ATI2165-4	1/4	0.81
ATI2165-5	5/16	0.81
ATI2165-6	3/8	0.81



ATI206-6

FLAT CHISEL

- Precision sharpened
- .401 Shank diameter
- ¾" Blade width

Product Code	Length (in)
ATI1206-6	6 ¾
ATI1206-8	8
ATI1206-10	10
ATI1206-12	12



ATI540SE-5

ATI540SE-5 1/4" HEX-BIT ADAPTER

- Used with ATI540 and ATI540S to adapt to ¼" hex
- ⅜" Square drive
- ¼" Internal hex



ATI540

SCREW REMOVAL TOOL

- .401 Shank diameter
- Secured wrench
- Hardened shock resistant steel

Product Code	Drive	Length (in)
ATI540	⅜" Square	9
ATI540S	⅜" Square	4 ½
ATI540BL-7	¼" Internal Hex	7 ½
ATI540BS-5	¼" Internal Hex	5 ½



ATI540-5

EL BRUTUS SCREW REMOVAL TOOL

- Heat treated and plated for durability
- Removed the most stubborn screws

Product Code	Screw Capacity (in)	Weight (lbs)	Length (in)
ATI540-5	¼	3.2	17
ATI540-7	⅜	5.4	18 ¾

ATI TOOLS
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ATI590L

ATI590L RIVET SHAVER KIT

- Includes ATI429SXC rivet shaver
- Carbide cutters and skirts for 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" and 3/4" rivet heads
- Kit box with cutouts privides protection and quick identification of missing components



ATI429SXC

ATI429SXC RIVET SHAVER

- Max 3/4" cutter capacity (with ATI429A-7 skirt)
- .0005" Depth adjustment
- Sioux 1.0 Hp 20,000 rpm power unit
- Comfort grip
- Shipped with 1/2" skirt installed (ATI429A-4)

Skirt Product Code	Cutter Product Code	Diameter (in)
	ATI429B-0	1/4
ATI429A-1	ATI429B-1	5/16
ATI429A-2	ATI429B2	3/8
ATI429A-3	ATI429B-3	7/16
ATI429A-4	ATI429B-4	1/2
ATI429A-5	ATI429B-5	9/16
ATI429A-6	ATI429B-6	5/8
ATI429A-7	ATI429B-7	3/4



ATI429A-7

ATI429A-7 SKIRT DETAIL - MICRO MILLER

- 3/4" cutter capacity used with ATI429B-7 cutter
- Skirt detail is exclusive only to ATI products



ATI429B-6

ATI429B-6 CARBIDE CUTTER DETAIL - MICRO MILLER

- 5/8" diameter carbide cutter used with ATI429A-6 skirt
- Engineered to cut very clean, no chatter or high spots in center

HOLLOW CUTTERS

- Used to remove Hi-Shear and Huck fasteners
- Used with standard microstops

Product Code	Dimension "A" (in)	Dimension "B" (in)	Shank	Fastener Type	Size
ATI493C-0	0.365	0.124	1/4"-28	Hi-Shear	1/8
ATI493C-00	0.365	0.157	1/4"-28	Hi-Shear	5/32
ATI493C-1	0.438	0.188	1/4"-28	Hi-Shear	3/16
ATI493C-2	0.500	0.247	1/4"-28	Hi-Shear	1/4
ATI493C-3	0.562	0.310	1/4"-28	Hi-Shear	5/16
ATI493D-1	0.323	0.188	1/4"-28	Huck Lock Bolt	L6
ATI493D-3	0.413	0.250	1/4"-28	Huck Lock Bolt	L8



ATI493C-2



ATI TOOLS
A Snap-on Specialty Tools Brand



ATISK3614

ATISK3614 VALVE CORE REMOVAL TOOL

- For rapid and safe tire deflation
- Machined aluminum tool threads into valve stem
- Releases and traps the valve core within the tool
- Exhausts the air through ports, away from the technician



ATI560C



ATI560MF12



ATI560CF18



ATI560A-3



ATI560HD3

MINA-VACS PNUEMATIC

- ATI560M Pulls up to six inches of mercury
- Removes objects such as sheet fasteners up to ¾" diameter from confines spaces
- Built in chip deflector to minimize bag damage
- Equipped with an "on" and "off" trigger button that can be locked in the "on" position
- Base models (ATI560C and ATI560M) do not include an extension hose

Vacuum Assembly Product Code	Housing Material	Extension Hose Product Code	Hose Material	Hose Length (in)	Bag Product Code
ATI560C	Plastic	-	-	-	ATI560A-3
ATI560CWCF12	Plastic	ATI560CF12	Flexible Plastic	12	ATI560A-3
ATI560CWCF18	Plastic	ATI560CF18	Flexible Plastic	18	ATI560A-3
ATI560CWCF24	Plastic	ATI560CF24	Flexible Plastic	24	ATI560A-3
ATI560M	Aluminum	-	-	-	ATI560A-3
ATI560MF12	Aluminum	ATI560MFE12	Flexible Plastic	12	ATI560A-3
ATI560MF18	Aluminum	ATI560MFE18	Flexible Plastic	18	ATI560A-3
ATI560MF24	Aluminum	ATI560MFE24	Flexible Plastic	24	ATI560A-3
ATI560MF-36	Aluminum	ATI560MFE36	Flexible Plastic	36	ATI560A-3
ATI560MHDF18	Aluminum	ATI560MFE18	Flexible Plastic	18	ATI560HD3
ATI560MR-12	Aluminum	ATI560MRE12	Rigid Plastic	12	ATI560A-3
ATI560MR18	Aluminum	ATI560MRE18	Rigid Plastic	18	ATI560A-3
ATI560MR36	Aluminum	ATI560MRE36	Rigid Plastic	36	ATI560A-3

ATI560MH uses ATI560M aluminum housing for better strength and durability. Comes with 3M filter bag and adaptor. HEPA bag reduces exposure to cadmium and hexavalent chromium dust. Airtight cap on filter bag insures FOD containment



ATI560MH

ATI TOOLS
A Snap-on Specialty Tools Brand

ATI520JK PORTABLE SWAGER KIT

- Used to precision-swage various ms type cable terminals on 1/16" to 3/16" diameter braided cables
- Can be used on the bench with the shock absorbing base or taken directly to the aircraft
- Kit includes base plate, foot control, air hose, complete set of dies and a pneumatic swager
- ATI520J pneumatic swager is available seperately



ATI520JK

ATI520CTK PULL TESTER KIT

- Self contained hydraulic unit
- Designed to put tension load on the cable terminal assembly to verify swaged terminal integrity
- Capable of testing up to 3/16" cables



ATI520CTK



SAFETY



Important Words About Safety for Users and Bystanders

Following these basic safety rules is a good start toward protecting yourself — and others in the vicinity — from injury while using tools.

Wear safety goggles
Use the right tool
Use the tool properly
Maintain the tool regularly
Keep tools away from children
Do not use tools on live electrical circuits unless specifically designed for such use
Read and follow instructions


THIS SYMBOL INDICATES PROHIBITED ACTION


DO NOT OVER-TORQUE NO PIPES OR LEVER EXTENSIONS


NO HAMMERING


NO PRYING


DO NOT STRIKE HARD OBJECTS


NO IMPACT/POWER DRIVE


DO NOT STEP IN OR ON DRAWERS


DO NOT OPEN MULTIPLE DRAWERS


DO NOT PULL TO MOVE


KEEP CHILDREN AWAY


THIS SYMBOL INDICATES MANDATORY ACTION


MANDATORY EAR PROTECTION


MANDATORY FACE SHIELD


MANDATORY MASK


MANDATORY RESPIRATOR


MANDATORY PROTECTIVE CLOTHING


MANDATORY PROTECTIVE GLOVES


MANDATORY EYE PROTECTION


MUST READ INSTRUCTIONS BEFORE USE


THIS SYMBOL INDICATES A HAZARD ALERT
RED BACKGROUND – DANGER
ORANGE BACKGROUND – WARNING
YELLOW BACKGROUND – CAUTION


VIBRATION HAZARD


RISK OF EXPLOSION


OVERHEAD/ OVERLOAD HAZARD


RISK OF ELECTRIC SHOCK


RISK OF FIRE


RISK OF ENTANGLEMENT

Safety messages in this catalog use the guidelines of the American National Standard ANSI Z535.4 for Product Safety Signs and Labels and ANSI Z535.3 Criteria for Safety Symbols. Messages associated with specific products use a triangular hazard alert symbol, signal word (CAUTION, WARNING, DANGER) and how to avoid the hazard. Each message refers to pages (473-474) which provides additional safety symbols and three-part messages advising of:

- The hazard
- **How to avoid the hazard**
- *The probable consequence of not avoiding the hazard*

PLEASE READ AND FOLLOW these messages to avoid injury to yourself and bystanders.

Electrical, Electronic Service

(pliers, cutters, mini-torch)

⚠ WARNING

- Broken tips or cut material can fly.

Wear safety shield. (User and bystanders)
Flying material can cause injury.

- Material can cause sparks or flying particles when heated.

Wear safety goggles. (User and bystanders)
Sparks and flying particles can cause injury.

- Butane will explode or burn when ignited.

Do not store butane at a temperature above 120°.
Hold Butane away from body and face.
Explosion or flames can cause injury.

- Electrical shock hazard.

Do not use on live electrical circuits.
Electrical shock can cause injury.

Extractors

⚠ WARNING

- Drilling pilot holes, inserting extractors and using extractors can cause flying chips. Extractors can break if overloaded.

Wear safety goggles. (User and bystanders)
For hand use only.
Flying chips and broken tools can cause injury.

Gear Head Torque Multipliers

⚠ WARNING

- Use of gear head torque multipliers for torque control may result in inaccurate torque application.

For accurate control of torque use an Electrotork®, a Torqometer® or other measuring device located directly on the fastener.
Limited accuracy of the torque ratio of a gear head torque multiplier may cause improper preload of the fastener if it is used for torque control.

Hand Tools

⚠ WARNING

- Chrome and industrial finish hand tools can break if overloaded or used for the wrong application.

Wear safety goggles. (User and bystanders)
Do not use chrome or industrial finish hand tools with power drivers.
Use only impact sockets and accessories with impact wrenches.
Use only power sockets and accessories with power wrenches.
Broken hand tools, sockets or accessories can cause injury.

- Electrical shock hazard.

Do not use on live electrical circuits.
Electrical shock can cause injury.

Impact Drivers

⚠ WARNING

- Impact drivers can cause tool breakage or flying objects.

Wear safety goggles. (User and bystanders)
Flying objects can cause injury.
Wear hearing protection. (User and bystanders)

Knives

⚠ WARNING

- Blades are sharp and can cut. Blades can break causing flying objects.

Wear safety goggles. (User and bystanders)
Do not pry or bend blade.
Keep away from children.
Sharp edges and flying objects can cause injury.

Nut Splitters

⚠ WARNING

- Use of impact wrench can cause nut splitter to break.

Wear safety goggles. (User and bystanders)
Do not use with impact wrench.
Broken tools can cause injury.

Plastic Handled Tools

⚠ WARNING

- Plastic handles do not protect from electrical shock.

Do not use on live electrical circuits.
Electrical shock can cause injury.

Pliers/Cutters

⚠ WARNING

- Broken tips or cut material can fly.

Wear safety goggles. (User and bystanders)
Flying material can cause injury.

Prybars

⚠ WARNING

- Prying can cause flying chips. Chipped or cracked prybars can cause flying chips. Prybars can chip if struck.

Wear safety goggles. (User and bystanders)
Do not use pipe or lever extension.
Do not use a prybar if chipped or cracked.
Do not use a prybar as a punch or hammer.
Flying chips can cause injury.

Pullers, Presses

⚠ WARNING

- Puller parts under stress can break.

Wear safety goggles. (User and bystanders)
Broken parts can cause injury.

Ratchets

⚠ WARNING

- Ratchet mechanism may slip or break if dirty. Mismatched or partially worn parts can cause ratchet to slip or break.

Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
Do not immerse sealed ratchet in fluids.
Do not replace worn parts individually, use entire contents of the service kit.
Ratchets that slip or break can cause injury.

Riveting, Sanding, Door Tools

⚠ WARNING

- Riveting and nut setting tools can cause flying chips.

Wear safety goggles. (User and bystanders)
Flying chips can cause injuries.

Scrapers

⚠ WARNING

- Scrapers and putty knives can break if used for prying or chiseling.

Wear safety goggles. (User and bystanders)
Do not use a scraper or putty knife as a prybar or chisel.
Broken tools can cause injury.

Screwdrivers

⚠ WARNING



- Screwdrivers can break if used as prybar, chisel or punch.

Wear safety goggles. (User and bystanders)
Do not use a screwdriver as a prybar, chisel or punch.
Broken screwdriver can cause injury.

Socket Usage

Select the proper type of socket for the application.

⚠ WARNING



- **Hand Sockets** - All chrome plated sockets and black finished sockets identified as hand sockets are for hand use only.
- **Impact Sockets** - Sockets designed for durability when used with impact drivers; use only impact sockets with impact drivers.

Wear safety goggles. (Users and bystanders)
Broken tools can cause injury.

Storage Units

⚠ WARNING



- Storage units can tip or strike you.

Do not open more than one loaded drawer at a time.
Keep children away.
Close lid and lock drawers and doors before moving.
Apply brakes on locking casters when not moving unit.
Do not step in or on drawers.
Secure units together with fasteners.
Read and follow instruction manual.
Tipping of storage unit or unit striking you can cause injury.

- Units edges can cut or pinch.

Do not pull; push to move.
Wear gloves when lifting by edges.
Keep feet and fingers clear of edges when stacking, hanging or moving units.
Unit edges can cause injury.

Striking and Struck Tools, Punches/Chisels

⚠ WARNING



- Striking and struck tools can break or chip. Chipped or mushroomed punch and chisel ends or metal weakened by improper grinding can fragment.

Oversized hammer can chip the punch or chisel.
Wear safety goggles. (Users and bystanders)
Do not use punch or chisel having mushroomed ends; dress edges or mushroomed ends to original shape with a hand file.
Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
Flying objects can cause injury.

- Steel punches and chisels can cause sparks during use.

Do not use near flammable substance.
Flammable substances can ignite causing injury.

Hammers

⚠ WARNING



- Hammers can cause flying chips. Chipped, mushroomed or cracked hammers can cause flying chips. Glancing blows can cause flying chips. Striking hard surface can cause flying chips. Body hammers can chip or break if struck against hard surfaces.

Wear safety goggles. (Users and bystanders)
Do not use chipped, mushroomed or cracked hammers.
Strike squarely and avoid glancing blows.
Do not strike other hammers or similar hard surfaces.
Use body hammers only for striking automotive type sheet metal; do not strike hard surfaces.
Flying chips can cause injury.

- Steel hammers can cause sparks during use.

Do not use near flammable substance.
Flammable substances can ignite causing injury.

- COMPOTHANE® or urethane hammers can rupture or ignite if exposed to liquid oxygen.

Do not use COMPOTHANE® or urethane hammers near liquid oxygen.
Ruptured and/or ignited COMPOTHANE® or urethane can cause injury.

Threading

⚠ WARNING



- Threading and rethreading tools can cause flying chips.

Wear safety goggles. (Users and bystanders)
Flying chips can cause injury.

Torque Testers

⚠ WARNING



- Calibration weights can cause tester and its base to tip.

Wear safety goggles. (Users and bystanders)
Counterbalance or anchor mounting base.
Tipping base can cause injury.

Torque Wrenches

⚠ WARNING



- Overtorquing can cause breakage. Wrench can break while breaking fasteners loose. Force against flex stops on flex head torque wrenches can cause head breakage. An out of calibration torque wrench can cause part or tool breakage.

Wear safety goggles. (Users and bystanders)
Do not exceed rated torque.
Do not use a torque wrench to break fasteners loose.
Do not force head of flex head torque wrenches against stops.
Periodic recalibration is necessary to maintain accuracy.
Broken tools can cause injury.

Wrenches

⚠ WARNING



- Excess force can cause crowfoot or flare nut wrench slippage.

Do not over-torque, no pipes or lever extensions.
Use only moderate force on crowfoot and flare nut wrenches.
Broken or slipping wrenches can cause injury.

- Slimline wrenches can break if overloaded.

Wear safety goggles. (Users and bystanders)
Broken wrench jaw can cause injury.

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WARRANTIES

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Hand tools are generally designed to perform one function — do not use them improperly. Screwdrivers are not chisels, adjustables are not hammers and pliers are not intended to replace wrenches. Each of our product groups contains specific safety tips for proper tool usage. Additionally, wear appropriate clothing for the job, and always wear safety glasses. A special note on safety … use of hand sockets (chrome finish) with power drive (impact) equipment is a misuse of the tool and can result in serious injury.

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Snap-on Industrial Brands warrants to the original purchaser of CDI Torque Products that the company's torque products are free from defects in workmanship and materials. Snap-on Industrial Brands will repair or replace CDI Torque Products which fail to give satisfactory service due to defective workmanship or materials (excluding calibration) for 12 months from the date of original purchase. Snap-on Industrial Brands warrants "initial, out of box calibration" of each new, unused CDI Torque Product. Repair, replacement or recalibration shall be at the election and expense of Snap-on Industrial Brands, and is your exclusive remedy in place of all other rights and remedies. Products must be returned with proof of purchase, freight prepaid, to a CDI Torque Products repair center for warranty service. Snap-on Industrial Brands will repair or replace Williams' Torque Multipliers which fail to give satisfactory service due to defective workmanship or material for 90 days from the date of original purchase. Snap-on Industrial Brands does not provide any warranty for products subjected to abnormal use. Abnormal use includes misuse, accident, modification, unreasonable use, neglect, lack of maintenance, or use after the tool is significantly worn.

Toolbox Warranties:
All toolboxes sold under the Williams brand will be warranted for a period of one (1) year from the date of purchase against defects in materials and workmanship. Any part(s) which are determined by Snap-on Industrial Brands to be defective in material or workmanship, will be, at Snap-on Industrial Brands discretion, repaired, replaced, or granted a credit. Any toolboxes that are to be returned, must be done through Snap-on Industrial Brands current Return Goods Policy, be sent back freight prepaid, and accompanied with a dated copy of the purchase order.

Ratchets:
Ratchets purchased new will be replaced with new ratchets. All broken ratchets must be returned to Snap-on Industrial Brands, 6969 Jamesson Rd, Midland, GA 31820 with a Returned Goods Authorization number (RGA #), freight pre-paid, in order to receive credit. Field destroyed ratchets will not be eligible for credit.

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Warranty Information Center
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Midland, GA 31820

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