

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.

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	½	¾	3 ½	3 ½	22 ½
TM-1000	2000	3.6 to 1	550	¾	1	4 ¾	3 17/32	24
TM-1500	4000	3.9 to 1	1150	1	1 ½	6 ½	5 5/16	28 7/8
TM-2000	8000	4.6 to 1	1915	1	1 ½	6 ¼	6 ½	31
TM-2500	12000	5.4 to 1	2200	1	2 ½	7 ¼	7 ¼	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.



TORQUE TOOLS

MULTIPLIERS

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.

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	3:1	½	¾	8 ½	3 ¼	2 1/16
TM-391	1200	200	6.3:1	6:0:1	½	¾	19 39/64	4	3 15/16
TM-392	2200	162	15:0:1	13:6:1	½	1	19 39/64	5 ¾	4 1/16
TM-393	3200	173	20:25:1	18:5:1	½	1	19 39/64	6 ½	4 1/16



PLATE REACTION TORQUE MULTIPLIERS

Features

- Input torque holding bracket - 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.



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 ½
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 ¾
TM-493	3200	173	20:25:1	18:5:1	½	1	14	6 ⁷ / ₁₆	4 ¾



TORQUE TOOLS

MULTIPLIERS

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Replacement square drives for planetary-gear and plate reaction 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



TORQUE PRODUCTS REPAIR AND CALIBRATION SERVICE

Trust the Williams Factory Service Center for all of your Williams torque product repair and calibration work. Use our convenient service website (www.williamsfactoryservice.com) to check services available, flat rate repair pricing, and to order and track your repair and calibration requests. The website enables you to order all regular paid repair and calibration services, as well as any warranty work needed.

The Williams torque tool factory and repair facility is located in City of Industry (Los Angeles), California. The factory has been ISO 9001 certified since 1998. The Williams Factory Service center repairs and calibrates with N.I.S.T. (National Institute of Standards and Technology) traceable calibration equipment, and Williams Torque Products meet or exceed ASME and ISO standards. Rely on the Williams Torque Products Factory Service Center to do the job right.

www.williamsfactoryservice.com

TORQUE 101

Need help educating your department or shop staff on why applying the correct torque is critical to proper assembly or maintenance operations?

The Williams **Torque Wrench 101** "textbook" is the perfect, simple and quick-read reference to train staff on what torque is. It explains why proper torque is important, torque wrench applications, proper torque wrench selection, and much more. Ask your Williams representative for your laminated copy today.

TORQUE 101

WHY PROPER TORQUE IS SO IMPORTANT!

It's about safety, reliability, and performance. EVERY manufacturer, whether it's in aerospace, motor vehicles, precision equipment, power generation, etc., specifies critical fastener torque for important reasons; under or over tightening critical fasteners can lead to product failure. And product failure means downtime, higher costs, potential injury, and more.

WHAT IS TORQUE?
Torque is rotational or turning force.
Torque is measured in length and force: Length means distance from "center of drive" to "center of handle". Force means "pounds", "Newtons" etc.

HOW DO YOU CALCULATE TORQUE?
Torque = Length x Force
The standard torque formula used to calculate torque is: "L x F = T"
EXAMPLE: 2 ft. (length) x 30 lbs. (amount of force at center of handle) equals 60 ft. lbs. of torque (60 Ft. lbs.)

EXAMPLE:
Apply 80 Ft. lbs. of torque, then apply 90 degrees of rotation

WHAT DOES TORQUE DO?
Torque creates a "Clamp Load" to join two pieces of material.

- Bolts (or threaded fasteners), are designed to create clamping force, also called "clamp load".
- When torque is applied to a threaded fastener, it draws together the joint, (two pieces of material).
- As additional torque is applied to the fastener, the joint is pulled together creating a clamp load as the fastener begins the stretching process. It's this fastener stretch that creates and maintains clamping force, like a stretched bungee cord maintaining tension.
- The actual amount of clamp load is determined by several factors:
 - The amount of torque applied to the fastener.
 - The material and grade of the fastener.
 - The external friction on the joint - friction under the fastener head, and friction between the threads of the fastener and material it's connected to.

WHY IS APPLYING PROPER TORQUE IMPORTANT?
Creating proper Clamp Load prevents damage and equipment failures.

- Safety & Performance: Applying accurate torque is critical to assembly applications, engines and precision equipment.
- Creating a proper clamp load is the main objective when applying torque to a fastener. Engine cylinder heads, pipe coupling, wheels, all need to be "clamped" uniformly to specific torque values.
- There are three main factors that affect the correct application of torque: (1) Condition of components, (2) Accuracy of torque instrument, (3) Properly applied torque values.
- Applying torque incorrectly can lead to stripped threads, premature loosening or broken fasteners that can cause catastrophic failure. Leaking joints may cause engine or equipment failures.

TOOLS@HEIGHT™



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YOU DON'T HAVE TO CHOOSE BETWEEN SAFETY OR PRODUCTIVITY. YOU CAN HAVE BOTH!

Safety and productivity are critical to your company's efficiency and profitability and the loss of productivity can occur for a variety of reasons. That's why we designed the Tools@Height™ system to provide effective, reliable drop prevention that keeps your workers safe...and working.



Save time and money -
Engineered attachment points don't interfere with the functionality of the tools.

Leave it to the experts -
We will work with you to determine your drop prevention needs and provide a complete system to help your workers work safely and efficiently.

Retain control -
Our modular approach allows you to configure tools and holsters to your needs.

Beat the statistics -
Approximately 70% of drops happen during the exchange of the lanyard from one tool to another. The Tools@Height System tethers each tool with its own lanyard, minimizing exchanges and reducing the likelihood of drops.

Minimize risk -
Independent tethering allows a tool to be removed and returned to its holster with one hand so the user can maintain the critical "three points of contact" when working at height.



TOOLS@HEIGHT™

EFFECTIVE, RELIABLE DROP PREVENTION

WILLIAMS® OFFERS A FULL LINE OF TOOLS FOR WORKING AT HEIGHT

Rotating Screwdriver Tabs

- Located for secure retention allowing full use of the screwdriver handle
- Stainless steel tab is corrosion resistant and 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



Sliding Wrench Safety Coils

- Superior design with high performance polished stainless steel for superior flexibility and shock-absorbing qualities plus no welds to fail
- Seven different sizes are utilized in the program to support wrenches up to 1-1/2" or 55mm (coils not sold separately)
- Slides out of the way along the wrenches handle to provide full use and achieve greatest leverage



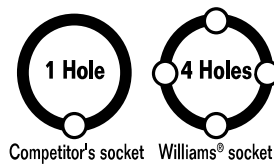
Pinned Tang on Pipe Wrenches

- Pin secures the tang so that it cannot become separated from the handle

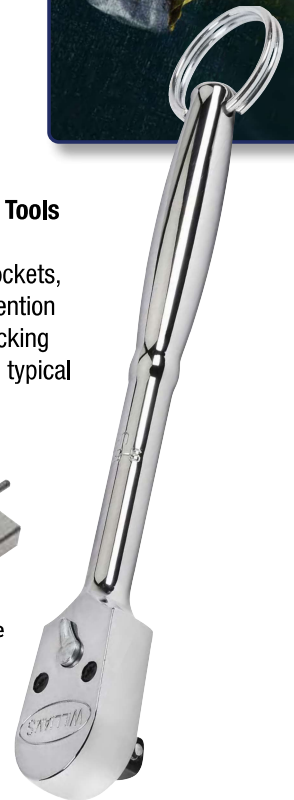


Spring Loaded Lock Buttons for Square Drive Tools and Accessories

- Lock button engages with side lock holes in sockets, extensions, and adaptors ensuring positive retention
- Sockets, extensions, and adaptors feature a locking hole on all four sides, not just one, as found on typical competitor's sockets



THPRTA Pin Release Tool for Williams® Square Drive Tools



TOOLS@HEIGHT™ MASTER MAINTENANCE TOOL SET

Contains the following tools:

Product Category	Product Category
Adjustable & Miscellaneous Wrenches	Miscellaneous Tools
Combination, Box, & Open End Wrenches	Pliers
Hammers	Pry Bars, Punches & Chisels
Hand Sockets, Ratchets, & Accessories	Screwdrivers & Nut drivers
Hex Keys & Sockets	Tool Storage
Impact Sockets & Accessories	Tools@Height Tethers, Lanyards, & Specialties

Set Configurations Available

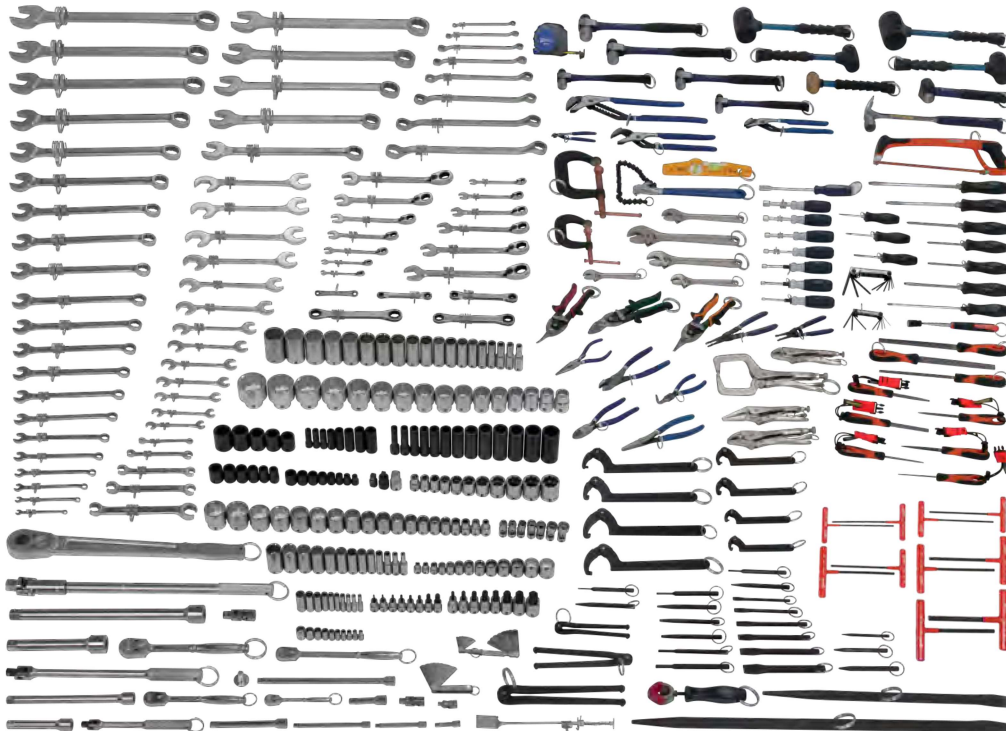
Product Code	Description
JHWSC409HTB	Complete Tools@Height Master Maintenance Tool Set With Tool Boxes
JHWSC409TH	Complete Tools@Height Master Maintenance Tool Set Only

Tool Boxes Included

Product Code	Description
JHWW40TC4	40" Wide x 20" Deep 4 Drawer Top Chest
JHWW40RC7	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 96



JHWSC409TH

TOOLS AT HEIGHT

MASTER SETS

JHWW26TC4



JHWW26RC7

TOOLS@HEIGHT™ INTERMEDIATE MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Product Category
Adjustable & Miscellaneous Wrenches	Miscellaneous Tools
Combination, Box, & Open End Wrenches	Pliers
Hammers	Pry Bars, Punches & Chisels
Hand Sockets, Ratchets, & Accessories	Screwdrivers & Nut drivers
Hex Keys & Sockets	Tool Storage
Impact Sockets & Accessories	Tools@Height Tethers, Lanyards, & Specialties

Set Configurations Available

Product Code	Description
JHWSC225HTB	Complete Tools@Height Intermediate Tool Set With Tool Boxes
JHWSC225TH	Complete Tools@Height Intermediate Tool Set Only

Tool Boxes Included

Product Code	Description
JHWW26TC4	26" Wide x 20" Deep 4 Drawer Top Chest
JHWW26RC7	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 96



JHWSC225TH

TOOLS AT HEIGHT

MASTER SETS

TOOLS@HEIGHT™ GENERAL MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Product Category
Adjustable & Miscellaneous Wrenches	Pliers
Combination, Box, & Open End Wrenches	Pry Bars, Punches & Chisels
Hammers	Screwdrivers & Nut drivers
Hand Sockets, Ratchets, & Accessories	Tool Storage
Hex Keys & Sockets	Tools@Height Tethers, Lanyards, & Specialties
Miscellaneous Tools	

Set Configurations Available

Product Code	Description
JHWSC116HTB	Complete Tools@Height General Service Tool Set With Tool Box
JHWWSC116TH	Complete Tools@Height General Service Tool Set Only

Tool Boxes Included

Product Code	Description
JHW50950B	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
- 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 96



JHW50950B

TOOLS AT HEIGHT

MASTER SETS



JHWWSC116TH



TOOLS@HEIGHT™ BASIC MAINTENANCE SERVICE SET

Contains the following tools:

Product Category	Product Category
Adjustable & Miscellaneous Wrenches	Miscellaneous Tools
Combination, Box, & Open End Wrenches	Pliers
Hammers	Pry Bars, Punches & Chisels
Hand Sockets, Ratchets, & Accessories	Screwdrivers & Nut drivers
Hex Keys & Sockets	Tools@Height Tethers, Lanyards, & Specialties

Set Configurations Available

Product Code	Description
JHWWSC-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
- Williams' 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 96
- The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 91 through 97



JHWWSC-72-TH

TOOL@HEIGHT™ STARTER PLUS SET

Contains the following tools:

Product Category
Adjustable Wrenches
Combination Wrenches
File
Hammer
Hand Sockets, Ratchets & Accessories
Pick up Tool
Pliers
Screwdriver
Tape Measure
Tools@Height Tethers, Lanyards & Specialties
Grand Total

Set Configurations Available

Product Code	Description
WSC-45-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

- The ideal way to start a drop prevention program
- Use where dropped tools can harm personnel, damage components, or cause down time
- Excellent assortment of basic hand tools for most maintenance applications
- Furnished in Safe Bucket for easy portability



WSC-45-TH

TOOL@HEIGHT™ STARTER SET

Contains the following tools:

Product Category
Adjustable Wrenches
File
Hammer
Pick up Tool
Pliers
Screwdriver
Tape Measure
Tools@Height Tethers, Lanyards & Specialties

Set Configurations Available

Product Code	Description
JHWWSC-27-TH	Complete Tools@Height Starter Set in Safe Bucket

Features

- Ideal for general maintenance work in the factory or job site
- 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.
- Includes tools and assortment of pouches and lanyards designed for use with a suitable belt.
- Williams' 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 96
- The full assortment of Tools@Height lanyards, tethers, and other accessories is on pages 91 through 97



JHWWSC-27-TH



KWTIWWKIT

TOOLS AT HEIGHT

MASTER SETS

TOOLS@HEIGHT™ IRONWORKER'S TOOLKIT

Contains the following tools:

Product Category	Product Category
Pliers	Hammer
Adjustable Construction Wrench	Measuring Tape
Structural Wrench	Tools@Height Tethers, Lanyards & Specialties
Bull Pin	

Set Configurations Available

Product Code	Description
KWTIWWKIT	Ironworker's Tool Kit

Features

- 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
- Tool Kit includes the tools, tethers, lanyards needed for ironworkers to work at height



KWTBM

TOOLS@HEIGHT™ BOILMAKER'S TOOL KIT

Contains the following tools:

Product Category	Product Category
Pliers	Torpedo Level
Adjustable Construction Wrench	Hammer
Open End Structural Wrench	Measuring Tape
Bull Pin	Tools@Height Tethers, Lanyards & Specialties

Set Configurations Available

Product Code	Description
KWTBM	Boilmaker's Tool Kit

Features

- 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
- Tool Kit includes the tools, tethers, lanyards needed to keep boilmakers safe and productive while working at height



KWTHRSGHR

TOOLS AT HEIGHT

MASTER SETS

TOOLS@HEIGHT™ HRSG HIGH RIGGING TOOLKIT

Contains the following tools:

Product Category	Product Category
Pliers	Hammer
Adjustable Construction Wrench	Measuring Tape
Open End Structural Wrench	Sleever Bar
Bull Pin	Tools@Height Tethers, Lanyards & Specialties
Torpedo Level	

Set Configurations Available

Product Code	Description
KWTHRSGHR	HRSG High Rigging Toolkit

Features

- 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
- Tool kit includes bull pin, sleever bars, wrenches, hammer, torpedo level, measuring tape and many more tools with attachment points along with the tethers and lanyards for working at height

TOOLS@HEIGHT™ PIPEFITTER'S FOREMAN'S TOOLKIT

Contains the following tools:

Product Category	Product Category
Combination Wrenches	Pinch Bar
Sockets	Hex Keys
Drive Tools	Tape Measure
Screwdrivers	Tool Box
Files	Pin Release Tool
Hammer	Tool Pouch

Set Configurations Available

Product Code	Description
KWTPFFOR	Pipefitter's Foreman's Toolkit

Features

- 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
- Pipefitter's Foreman's Tool kit includes sockets, drive tools, combination wrenches, screwdrivers and many more tools with attachment points for working at height



KWTPFFOR

TOOLS@HEIGHT™ INDIVIDUAL PIPEFITTER'S TOOLKIT

Contains the following tools:

Product Category	Product Category
Wedges	Adjustable Wrenches
Utility Superjoint Pliers	Measuring Tape
Side Cutters	Tools@Height Tethers, Lanyards & Specialties

Set Configurations Available

Product Code	Description
KWTPFIND	Individual Pipefitter's Toolkit

Features

- 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
- Individual Pipefitter's Tool kit includes wedges, pliers, side cutters, hammers, adjustable wrenches and many more tools with attachment points along with the tethers and lanyards for working at height



KWTPFIND

TOOLS@HEIGHT™ PIPEFITTER'S GANG BOX KIT

Contains the following tools:

Product Category	Product Category
Utility Superjoint Pliers	Chisels & Punches
Side Cutters	Ratchet
Adjustable Wrenches	Pipe Wrench
Measuring Tape	Plastic Tool Box
Hammers	

Set Configurations Available

Product Code	Description
KWTPFBOX	Pipefitter's Gang Box Kit

Features

- 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
- Pipefitter's Gang Box Kit includes pliers, hammer, adjustable wrenches and many more tools with attachment points for working at height



KWTPFBOX

TOOLS@HEIGHT™ INDIVIDUAL ELECTRICIAN'S TOOLKIT

Contains the following tools:

Product Category	Product Category
Pliers, Side Cutter & Crimper	Files
Screwdrivers	Superjoint Pliers
Adjustable Wrenches	Hammers
Chisels & Punches	Hex Key
Hacksaw Frame	Measuring Tape
Torpedo Level	Tools@Height Tethers, Lanyards & Specialties
Miscellaneous Tools	

Set Configurations Available

Product Code	Description
KWTELEKITM	Individual Electrician's Toolkit with S/M Comfort Belt
KWTELEKITL	Individual Electrician's Toolkit with L/XL Comfort Belt
KWTELEKITXL	Individual Electrician's Toolkit with 2X/3X Comfort Belt

Features

- 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
- The Individual Electrician's Toolkit contains an assortment of tools with engineered attachment points, tethers and lanyards designed to keep electrician's safe and productive while working at heights



KWTELEKITM

TOOLS@HEIGHT™ ELECTRICIAN CREW KIT

Contains the following tools:

Product Category	Product Category
C-Clamps	Pin Release Tool
Pliers	Sockets
Pipe Wrenches	Combination Wrenches
Files	Level
Hammer	Lift Bucket & Hardhat Lanyard Strap
Drive Tools	

Set Configurations Available

Product Code	Description
KWTELECWKT	Electrician's Crew Kit

Features

- 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
- The Electrician's Crew Kit contains an assortment of tools with engineered attachment points, tethers and lanyards designed to keep electrician's safe and productive while working at heights



KWTELECWKT



TOOLS@HEIGHT™ SCAFFOLD BUILDING KITS

Kit comes assembled and includes tools shown above. Scaffold builders literally open the box, put on the belt, and go to work with a kit that keeps them safe and increases productivity. Since each tool is independently tethered, any tool can be used and returned to its' holster while still maintaining three points of contact as pictured below

Product Code	Description
JHWWTHSCAFM	Medium
JHWWTHSCAFL	Large
JHWWTHSCAFXL	X-Large

Contents of Scaffold Building Kits:

Product Code	Description
THFSNE3-22SM	Hammer
THFSN25100	Level
JHWBS-63B	Scaffold Ratchet
JHWTM25X1-TH	Tape Measure
JHW13625-TH	Construction Wrench
JHWPL204CTH	Linesman's Pliers
WTHHOLHAMMER	Hammer Holster with Coil Lanyard
PYT1500098	Tape measure Holster
PYT1500096	Scaffold Ratchet Holster w/Bungee Lanyard
PYT1500065	Single Tool Holster
PYT1500107	Dual Tool Holster
BELTCOMF	Belt (Small, Medium, Large or X-Large)
WTHPCHPRTSO	Small Parts pouch w/ Self-closing system

Features

- Safety & Security
- 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
- Customizable
- System is completely modular and can be arranged in any order on the tool belt based on the user's preference
- All Tools @ Height holsters and pouches are also available for individual purchase for attachment to existing tool belts or harnesses





EXTH2LBU10PK



EXTT2T.5X12



THCARA25A



THCARA15SL



THUNI25A



EXTH2L1X72HD



EXTH2R1X72HD



THL2A



EXTH2L1X72MD



THL1A

LANYARDS AND ANCHOR STRAPS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
EXTH2LBU10PK	Carabiner to loop bungee lanyard, Standard Duty 10 pack	10	47	31	10
EXTT2T.5X12	Trigger to trigger web lanyard, Standard Duty	10	12	n/a	1
EXTT2T51210P	Trigger to trigger web lanyard, Standard Duty 10 pack	10	12	n/a	10
THCARA25A	SST Carabiner to Carabiner Bungee Lanyard, Medium Duty	25	124	37-45	1
THCARA15SL	SST Carabiner to Carabiner Bungee Lanyard, Standard Duty	15	47	27	1
THUNI25A	SST Carabiner to Loop Bungee Lanyard, Standard Duty	15	50	30	1
EXTH2L1X72HD	Carabiner to loop web lanyard, Heavy Duty	80	72	n/a	1
EXTH2R1X72HD	Carabiner to rail hook web lanyard, Heavy Duty	80	72	n/a	1
EXTH2L1X72MD	Carabiner to loop web lanyard, Medium Duty	35	72	n/a	1
THL1A	Universal Tether with Carabiner and Loop	5	14	n/a	1
THL2A	Universal Tether with 2 SST Carabiners	5	14	n/a	1

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



EXT-H2HCOIL



EXT-T2TCOIL



EXT-H2QRCOIL



EXTC2CCO10PK



EXTC2LCO10PK



PYT1500062

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 ½	16 ½	1
EXTH2HCO10PK	Carabiner to carabiner vinyl coated braided steel tether, Personal Duty 10 pack	5	67 ½	16 ½	10
EXT-T2TCOIL	Trigger to Trigger tether, Personal Duty	5	30	9	1
EXTT2TCO110P	Trigger to Trigger tether, Personal Duty 10 pack	5	30	9	10
EXT-H2QRCOIL	Carabiner to quick ring tether, Personal Duty	2	65 ½	25	1
EXTH2QRC10PK	Carabiner to quick ring tether, Personal Duty 10 pack	2	65 ½	25	10
EXTC2CCO10PK	Clip to clip tether, Personal Duty 10 pack	2	44	9	10
EXTC2LCO10PK	Clip to side release loop tether, Personal Duty 10 pack	2	45 ¼	10	10
PYT1500062	Clip to loop hard hat tether 100 pack	2	44 ½	12	100

TOOLS AT HEIGHT

COIL TETHERS/RETRACTABLE TETHERS



THUNIRET2A



THRET2CLIPSA



THUNIRET1A



THWSRET1A



THUNI5CLIPSA



THUNIRET3.5

RETRACTABLE TETHERS

Product Code	Description	Load Rating (lbs)	Extension Length (Inches)	Retracted Length (Inches)	QTY
THUNIRET2A	2 LB Retractable Lanyard	2	42	17	1
THRET2CLIPSA	Disconnectable Clips/Loop for THUNIRET2A, 10pk	2	N/A	8	10
THUNIRET1A	Self Flushing Retractable Tether with Disconnectable Loop	1	36	14	1
THRET1CLIPSA	Disconnectable Clips/Loop for THUNIRET1A and THWSRET1A, 10pk	1	N/A	7-3/4	10
THWSRET1A	Personal Duty Retractable Tether	1	49	10	1
THUNI5CLIPSA	Disconnectable Clips/Loop, 10 Pack	5	N/A	-	10
THUNIRET3.5	3.5 LB Retractable Lanyard	3.5	55	11.75	1



PULLAWAY WRISTBANDS

Product Code	Size	Load Rating (lbs)	QTY
WB-S	Small	5	1
WB-S-10PK	Small	5	10
WB-M-10PK	Medium	5	10
WB-L	Large	5	1
WB-L-10PK	Large	5	10
WB-SLIMS10PK	Slim / Small	5	10
WB-SLIMM10PK	Slim / Medium	5	10
WB-SLIML10PK	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
THWSNC	5	1
THWS1A	5	1
WB-ADJ-10PK	5	10
WBADJCRD10PK	5	10
WBADJRET10PK	1.5	10
THWSRET1A	1	1

Features

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

Tools not included with Wristbands.

HARD HAT TETHERS

Product Code	Weight Rating	Extension Length (Inches)
THHARDHAT1	1 lb 2 oz	16
THHARDHAT2	1 lb 2 oz	14

Features

- Retractor provides a lower-profile and more comfortable method of hard hat tethering
- Weight Rating: 1lb. 2oz.
- Looped end cinches around hard hat
- Spring clip attaches to clothing or vest to secure hat

TOOLS AT HEIGHT

WRIST BANDS



PYT1500089



HOL-BOTTLE



HOL-HAMMER



HOL1TOOLBLTR



HOL-1TOOLHAR



HOL-1TOOLXD



HOL2TOOLBLTR



HOL-2TOOLHAR



HOLBOXWHARR



HOLSCAFFWRET



PYT1500100



RET-52STEEL



PYT1500090

TOOLS AT HEIGHT

HOLSTERS

TOOL HOLSTERS

Product Code	Description	Product Code	Description
HOL-ADJRADIO†	Adjustable Radio Holster	HOL-2TOOLHAR	Dual Tool Harness Holster
PYT1500089	Adjustable Radio Holster Combo (Includes EXT-C2LCOIL)	HOL2TOOLHARR†	Dual Tool Harness Holster with Retractors
HOL-BOTTLE	Bottle / Spray Can Holster	HOLBOXWHARR	Box Wrench Holster with Retractor (Harness)
HOL-HAMMER†	Hammer Holster	HOLSCAFFWRET†	Scaffold Wrench Holster with Retractor
HOLHAMMERCOM	Hammer Holster Combo (Includes EXT-H2QRCOIL)	HOLSCAFFWCOM	Scaffold Wrench Holster with Retractor Combo (Includes EXTH2LBUNGEE)
HOL-1TOOLBLT	Single Tool Belt Holster	HOL-TAPERET†	Tape Measure Holster with Retractor
HOL1TOOLBLTR†	Single Tool Belt Holster with Retractor	HOLTAPESLEEVE†	Tape Measure Sleeve
HOL-1TOOLHAR	Single Tool Harness Holster	PYT1500100	Tape Measure Holster with Retractor Combo (Includes HOLTAPESLEEVE)
HOL1TOOLHARR†	Single Tool Harness Holster with Retractor	RET-52STEEL	52" Steel Cable Retractor with Polycarbonate Body
HOL-1TOOLXD†	Extra-Deep Single Tool Holster	PYT1500090	Cordless Tool Battery Holster (Shown with EXTH2LBUNGEE not included)
HOL-2TOOLBLT	Dual Tool Belt Holster		
HOL2TOOLBLTR†	Dual Tool Belt Holster with Retractors		

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



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
PCHPARTSXDCB	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



PYT1500132

UTILITY POUCH

Product Code	Description
PYT1500132	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 sleeve bars
- Drain vent on the bottom of the pouch



PCH-INSPECT

INSPECTION POUCH

Product Code	Description
PCH-INSPECT	Inspection Pouch

Features

- Provisional patent pending



PCH-TOOL

PCH-TOOLXD

EXTH2LBUNGEE

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-TOOLXDRE	Extra Deep Tool Pouch with D-Ring and Retractors
PCH-TOOLXDTR	Extra Deep Tool Pouch with D-Ring and Triggers

Tools not included with Tool Holsters.

COMFORT TOOL BELTS

Product Code	Waist Size (Inches)
BELTCOMF-S	28" - 32"
BELTCOMF-M	32" - 36"
BELTCOMFL-XL	36" - 44"
BELTCOMF-2XL	44" - 48"
BELTCOMF-3XL	48" - 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



BELTCOMF-S

UTILITY BELTS

Product Code	Waist Size (Inches)
PYT1500113	28" - 46"
PYT1500114	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



PYT1500113

BELT LOOPS

Product Code	Description	Load Rating (lbs)	QTY
BELTDRLO10PK	Belt Loop D-Ring	5	10
BELTTRLO10PK	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.



BELTDRLO10PK



BELTTRLO10PK



PYTH1500139



BKT-100HLC



BKT-48SCAF

SAFE BUCKETS

Product Code	Closure System	Body Material	Load Rating (lbs)
BKT-100HLC	Hook and Loop	Canvas	100
BKT-100DRAWC	Drawstring	Canvas	100
PYT1500140	Hook and Loop	Vinyl	250
PYT1500139	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

EXTRA DEEP SAFE BUCKETS

Product Code	Length (Inches)	Load Rating (lbs)
BKT-48SCAF	48	100
BKT-72SCAF	72	100
BKT-120SCAF	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
- 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



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)
JHW1208SC-TH +	1/4	4 1/4	9/16	1/8	13/32	3/16	0.04
JHW1210SC-TH +	5/16	5 3/4	11/16	5/32	1/2	7/32	0.08
JHW1212SC-TH ++	3/8	6 1/2	13/16	3/16	9/16	1/4	0.12
JHW1214SC-TH ++	7/16	7 1/4	15/16	7/32	11/16	9/32	0.17
JHW1216SC-TH ++	1/2	8	1 1/16	1/4	3/4	11/32	0.23
JHW1218SC-TH ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8	0.31
JHW1220SC-TH ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32	0.43
JHW1222SC-TH ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16	0.51
JHW1224SC-TH ++	3/4	11	1 5/8	5/16	1 1/8	1/2	0.62
JHW1226SC-TH ++	13/16	11 3/4	1 3/4	3/8	1 1/32	17/32	0.79
JHW1228SC-TH ++	7/8	12 1/2	1 7/8	13/32	1 9/16	9/16	0.96
JHW1230SC-TH ++	15/16	13 1/4	2	7/16	1 3/8	19/32	1.20
JHW1232SC-TH ++	1	14	2 1/8	15/32	1 15/32	5/8	1.48
JHW1234SC-TH ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32	1.65
JHW1236SC-TH ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16	1.94
JHW1240SC-TH ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4	2.58
JHW1242-TH **	1 3/16	17 3/4	2 19/16	19/32	1 29/32	3/4	2.96
JHW1244-TH **	1 3/8	18 1/2	2 15/16	5/8	2	3/4	3.45
JHW1246-TH **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8	3.85
JHW1248-TH **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8	4.29
JHW1180-TH **	1 3/8	21 1/2	3 3/16	11/16	2 11/32	7/8	3.70
JHW1182-TH **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8	5.22
JHW1184-TH **	1 3/4	22 7/8	3 3/16	23/32	2 17/32	1 1/32	5.62
1186-TH **	1 13/16	23 15/32	3 1/16	3/4	2 3/8	1 1/32	6.34
1188-TH **	1 7/8	24 1/32	3 1/16	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



JHW1222SC-TH

JHW1180-TH

WS-6-TH 6 Piece Supercombo Combination Wrench Set 2.27 LBS

Contents Include:

Product Code	Size (Inches)	Product Code	Size (Inches)	Product Code	Size (Inches)
JHW1214SC-TH	7/16	JHW1218SC-TH	9/16	JHW1222SC-TH	11/16
JHW1216SC-TH	1/2	JHW1220SC-TH	5/8	JHW1224SC-TH	3/4

+ 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



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



WS-6-TH

TOOLS AT HEIGHT

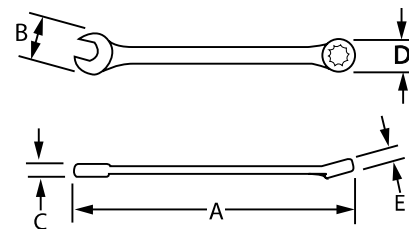
WRENCHES



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 1/2" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage



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.

TOOLS@HEIGHT™ SUPERCOMBO® COMBINATION WRENCHES

High Polish Chrome Finish, 12 Point, Metric



JHW1215MSCTH

Product Code	Size (Inches)	A	B	C	D	E	Weight (lbs)
		Overall Length (Inches)	Open End Width (Inches)	Open End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	
JHW1207MSCTH ++	7	5 5/16	5/8	5/32	15/32	7/32	0.06
JHW1208MSCTH ++	8	5 25/32	23/32	5/32	1/2	7/32	0.08
JHW1209MSCTH ++	9	6 9/32	13/16	3/16	9/16	1/4	0.10
JHW1210MSCTH ++	10	6 3/4	7/8	3/16	5/8	9/32	0.13
JHW1211MSCTH ++	11	7 1/4	31/32	7/32	11/16	5/16	0.18
JHW1212MSCTH ++	12	7 11/16	1 1/32	7/32	3/4	5/16	0.20
JHW1213MSCTH ++	13	8 1/32	1 1/8	1/4	29/32	11/32	0.23
JHW1214MSCTH ++	14	8 5/8	1 7/32	1/4	27/32	3/8	0.32
JHW1215MSCTH ++	15	9 3/32	1 9/32	9/32	29/32	13/32	0.35
JHW1216MSCTH ++	16	9 1/2	1 3/8	9/32	15/16	13/32	0.41
JHW1217MSCTH ++	17	10 1/16	1 15/32	5/16	1	7/16	0.47
JHW1218MSCTH ++	18	10 17/32	1 17/32	5/16	1 1/16	15/32	0.56
JHW1219MSCTH ++	19	11 1/32	1 5/8	11/32	1 1/8	1/2	0.67
JHW1220MSCTH ++	20	11 1/2	1 23/32	3/8	1 3/16	1/2	0.77
JHW1221MSCTH ++	21	11 25/32	1 3/4	3/8	1 7/32	17/32	0.82
JHW1222MSCTH ++	22	12 1/2	1 29/32	13/32	1 5/16	9/16	1.08
JHW1223MSCTH ++	23	12 7/8	1 31/32	7/16	1 1/32	9/16	1.08
JHW1224MSCTH ++	24	13 3/32	2	7/16	1 3/8	19/32	1.20
JHW1225MSCTH ++	25	14 1/32	2 9/32	15/32	1 15/32	5/8	1.49
JHW1226MSCTH +	26	14 5/16	2 3/16	1/2	1 1/2	21/32	1.51
JHW1227MSCTH +	27	14 25/32	2 9/32	1/2	1 9/16	11/16	1.64
JHW1229MSCTH +	29	15 17/32	2 13/32	17/32	1 21/32	23/32	2.00
JHW1230MSCTH +	30	16 9/32	2 17/32	17/32	1 3/4	3/4	2.30
JHW1232MSCTH +	32	17 1/32	2 11/16	9/16	1 3/16	3/4	2.76
JHW1234MSCTH +	34	17 25/32	2 13/16	19/32	1 29/32	3/4	2.92
JHW1236MSCTH +	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

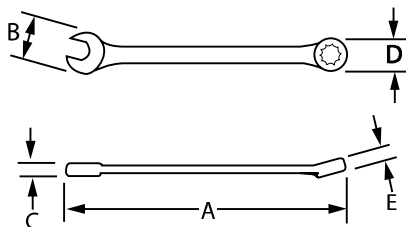
Fed. Spec.: ANSI B107.6; SAE AS 954



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 1/2" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage



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)
JHW1208MRCTH	8	5 1/4	23/32	3/16	23/32	9/32	0.08
JHW1209MRCTH	9	5 7/8	13/16	5/32	25/32	5/16	0.14
JHW1210MRCTH	10	6 1/4	7/8	7/32	7/8	11/32	0.15
JHW1211MRCTH	11	6 5/8	15/16	7/32	29/32	11/32	0.22
JHW1212MRCTH	12	6 13/16	1	7/32	31/32	3/8	0.00
JHW1213MRCTH	13	7	1 1/32	1/4	1	13/32	0.36
JHW1214MRCTH	14	7 3/8	1 3/16	1/4	1 3/32	13/32	0.42
JHW1215MRCTH	15	7 3/4	1 1/4	9/32	1 9/32	7/16	0.56
JHW1216MRCTH	16	8 3/16	1 11/32	9/32	1 7/32	7/16	0.77
JHW1217MRCTH	17	9	1 7/16	9/32	1 9/32	1/2	0.93
JHW1218MRCTH	18	9 3/8	1 17/32	5/16	1 3/8	15/32	1.15
JHW1219MRCTH	19	9 3/4	1 17/32	11/32	1 7/16	17/32	1.33

Features

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



JHW1210MRCTH



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)
JHW1208RC-TH	1/4	5 1/4	23/32	3/16	23/32	9/32	.06
JHW1210RC-TH	5/16	5 1/4	23/32	5/32	23/32	9/32	0.08
JHW1212RC-TH	3/8	6 1/4	7/8	3/16	7/8	5/16	0.10
JHW1214RC-TH	7/16	6 5/8	15/16	7/32	29/32	11/32	0.13
JHW1216RC-TH	1/2	7	1 1/32	1/4	1	13/32	0.16
JHW1218RC-TH	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32	0.18
JHW1220RC-TH	5/8	8 7/32	1 11/32	9/32	1 7/32	7/16	0.00
JHW1222RC-TH	11/16	9	1 7/16	9/32	1 11/16	1/2	0.27
JHW1224RC-TH	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32	0.00
JHW1226RC-TH	13/16	10 1/2	1 29/32	3/8	1 9/16	17/32	0.36
JHW1228RC-TH	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32	0.44
JHW1230RC-TH	15/16	12	1 31/32	15/32	1 27/32	5/8	0.50
JHW1232RC-TH	1	13	2 3/32	15/32	1 7/8	5/8	0.56

Features

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



JHW1232RC-TH

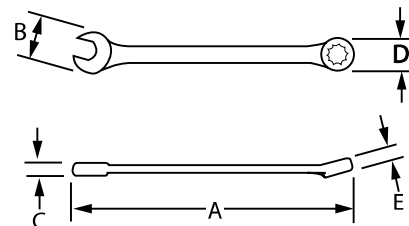
TOOLS AT HEIGHT

WRENCHES



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 1/2" or 55mm
 - Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage



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

Chrome Satin Finish, SAE



JHW3732-TH

Product Code	Size (Inches)	A	B	C	Weight (lbs)
		Head Diameter	Head Thickness	Overall Length (Inches)	
JHW3716-TH	1/2	1	7/32	5 1/2	0.10
JHW3718-TH	9/16	1 1/8	1/4	6	0.14
JHW3720-TH	5/8	1 3/16	9/32	6 1/4	0.14
JHW3722-TH	11/16	1 5/16	9/32	7	0.21
JHW3724-TH	3/4	1 7/16	9/32	7 1/4	0.28
JHW3726-TH	13/16	1 19/32	9/32	7 1/2	0.27
JHW3728-TH	7/8	1 21/32	9/32	8 1/4	0.35
JHW3732-TH	1	1 15/16	5/16	9 3/4	0.41
JHW3734-TH	1 1/16	2 1/16	5/16	10	0.50
JHW3736-TH	1 1/8	2 1/4	5/16	11	0.61
JHW3740-TH	1 1/4	2 3/8	11/32	11 1/2	0.70
JHW3744-TH	1 3/8	2 11/16	13/32	12 1/2	0.85
JHW3746-TH	1 7/16	2 11/16	13/32	12 1/2	1.25
JHW3748-TH	1 1/2	2 11/16	13/32	12 1/2	1.19

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

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



TOOLS@HEIGHT™ DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE



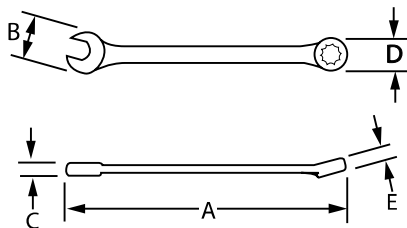
JHW7731B-TH

Product Code	Size (Inches)	A	B	C	D	E	Weight (lbs)
		Overall Length (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	
JHW7723-TH	3/8 x 7/16	7 5/8	19/32	5/16	21/32	11/32	0.11
JHW7725B-TH	1/2 x 9/16	8 11/16	3/4	3/8	21/32	3/8	0.30
JHW7727A-TH	5/8 x 11/16	10 5/32	29/32	7/16	1	15/32	0.47
JHW7029B-TH	11/16 x 3/4	10 19/16	1	15/32	1 3/32	1/2	0.53
JHW7731A-TH	3/4 x 7/8	12 1/32	1 3/32	1/2	1 1/4	9/16	0.73
JHW7731B-TH	13/16 x 7/8	12 13/32	1 3/16	17/32	1 1/4	9/16	0.80
JHW7033C-TH	15/16 x 1	14 1/8	1 11/32	19/32	1 1/16	5/8	0.94
JHW7038-TH	1 1/8 x 1 3/16	16 3/32	1 19/32	11/16	1 11/16	11/16	1.66
JHW7039B-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

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



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 1/2" or 55mm
 - Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage



TOOLS@HEIGHT™ DOUBLE HEAD 10° OFFSET BOX END WRENCHES

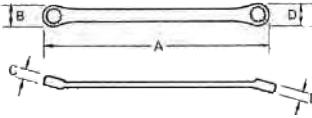
Chrome Satin Finish, 12 Point, Metric

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)
JHWBWM0810TH	8 x 10	7 5/16	1/2	9/32	19/32	5/16	0.15

Fed. Spec. ANSI B107.9M

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



JHWBWM0810TH



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)
JHWXFN0810TH	1/4 x 5/16	4 27/32	19/32	1/4	5/8	9/32	0.12
JHWXFN1214TH	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32	0.14
JHWXFN1618TH	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32	0.23
JHWXFN2022TH	5/8 x 1 1/16	7 3/4	1 3/32	7/16	3/16	15/32	0.38
JHWXFN2432TH	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8	0.70
JHWXFN2836TH	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

JHWWS-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)
JHWXFN1214TH	3/8 x 7/16	JHWXFN2022TH	5/8 x 1 1/16	JHWXFN2836TH	7/8 x 1 1/8
JHWXFN1618TH	1/2 x 9/16	JHWXFN2432TH	3/4 x 1		



Features

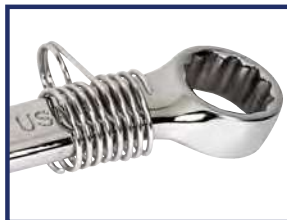
- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power
- Recessed corners in ends provide extra turning power



JHWWS-14-TH

TOOLS AT HEIGHT

WRENCHES



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 1/2" or 55mm
- Slides out of the way along the wrenches handle to provide full use of the handle and achieve greatest leverage



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.



TOOLS@HEIGHT™ DOUBLE HEAD FLARE NUT WRENCHES

Chrome Satin Finish, 6 Point, Metric



Product Code	Size (MM)	A	B	C	D	E	Weight (lbs)
		Overall Length (Inches)	Open End Dia (Inches)	Open End Thickness (Inches)	Open End Dia (Inches)	Open End Thickness (Inches)	
JHW10650-TH	9 x 11	5 11/16	13/16	11/32	15/16	5/16	0.11
JHW10652-TH	10 x 12	6 7/8	7/8	3/8	29/32	5/16	0.15
JHW10654-TH	13 x 14	6 7/8	1	3/8	1 3/32	3/8	0.20
JHW10656-TH	15 x 17	7 7/8	1 1/16	7/16	1 7/32	1/2	0.28
JHW10658-TH	19 x 21	8 7/8	1 9/32	1/2	1 13/32	17/32	0.43

Fed. Spec.: ANSI B107.9M

JHW11692-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)
JHW10650-TH	9 x 11	JHW10654-TH	13 x 14	JHW10658-TH	19 x 21
JHW10652-TH	10 x 12	JHW10656-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



TOOLS@HEIGHT™ DOUBLE HEAD RATCHETING BOX WRENCHES

High Polish Chrome Finish, 6 & 12 Point, SAE



Product Code	Number of Points	Size (Inches)	A	B	C	D	E	Weight (lbs)
			Overall Length (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	
JHWRB-810-TH	6	1/4 x 5/16	4 1/4	19/32	3/8	1/16	3/8	.12
JHWRB1214TH	6	3/8 x 7/16	5 1/2	25/32	3/8	7/8	3/8	.18
JHWRB1618TH	6	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2	.33
JHWRB2022TH	12	5/8 x 11/16	8 1/8	1 3/16	1/2	1 7/16	1/2	.44
JHWRB2428TH	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



TOOLS@HEIGHT™ 30° SERVICE WRENCHES, SAE

Satin Chrome Finish, SAE



Product Code	Size (Inches)	Overall Length (Inches)		Head Diameter	Head Thickness	Weight (lbs.)
3524-TH	3/4	6 1/4	1 1/16	1/4	.31	
3526-TH	13/16	6 1/4	1 1/16	1/4	.28	
3528-TH	7/8	6 1/4	1 1/16	1/4	.28	
3530-TH	15/16	6 7/8	1 7/8	1/4	.36	
3532-TH	1	6 7/8	1 7/8	1/4	.37	
3534-TH	1 1/16	6 7/8	1 7/8	1/4	.35	
3536-TH	1 1/8	7	2 1/16	1/4	.37	
3538-TH	1 3/16	7	2 1/16	1/4	.37	
3540-TH	1 1/4	7	2 1/16	1/4	.36	
3542-TH	1 5/16	7 5/8	2 1/2	5/32	.51	
3544-TH	1 3/8	7 5/8	2 1/2	5/32	.49	
3546-TH	1 7/16	7 5/8	2 1/2	5/32	.45	
3548-TH	1 1/2	7 5/8	2 1/2	5/32	.48	

Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish



BAHCO® TOOLS@HEIGHT™ ADJUSTABLE WRENCH

Industrial Grade Steel Handles

Product Code	Length (Inches)	Maximum Jaw Opening (Inches)	Head Thickness (Inches)	Jaw Tip Thickness (Inches)	Weight (lbs.)
8070RCUS-TH	6	3/4	7/16	3/16	.30
8071RCUS-TH	8	1 1/16	1/2	1/4	.96
8072RCUS-TH	10	1 1/8	5/8	5/16	.96
8073RCUS-TH	12	1 3/16	1 1/16	7/16	1.47
8074RCUS-TH	15	1 11/16	1 3/16	9/16	2.44
8075RCUS-TH	18	2 1/16	7/8	1 1/16	3.85

Features

- Slim head with tapered jaws combine easy accessibility with extra turning strength
- Measurement scale on head conveniently shows fastener size
- Precision hardened and anti-corrosion treated.



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)
JHW13625-TH	15	1 1/2	2 3/32	2.24

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™ 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)	Weight (lbs)
JHW1905-TH	7/8	14 3/16	2	9/16	1	1.42
JHW1906-TH	1 1/16	14 3/16	1 31/32	1 1/2	1	1.51
JHW1907-TH	1 1/8	16 13/16	2 5/32	5/8	1 1/8	1.85
JHW1908-TH	1 1/4	17 11/16	2 23/32	1 1/16	1 1/4	2.85
JHW1909-TH	1 7/16	19 3/4	3 5/32	2 5/32	1 1/4	3.68
JHW1910-TH	1 5/8	21 1/16	3 7/32	7/8	1 1/2	4.26
JHW1911-TH	1 13/16	23	3 3/4	1 3/4	1 5/8	6.49
JHW1912-TH	2	23 3/4	4 1/32	3 1/32	1 5/8	7.02

Features

- Long offset handle is designed for clearance of obstructions while providing greater leverage
- Tapered spud handle locates and aligns bolt and rivet holes





JHWO-472-TH



JHWO-474-TH

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.)
JHWO-471-TH	¾ to 2	⅛	⅓	5 ⅜	.27
JHWO-472-TH	1 ¼ to 3	⅜	⅜	6 ⅞	.48
JHWO-474-TH	2 to 4 ¾	¼	¼	9 ½	.93
JHWO-474A-TH	4 ½ to 6 ¼	⅜	¼	9 ⅞	1.10

Features

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



JHW471-TH



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.)
JHW471-TH	¾ to 2	⅛	11/32	5 ⅜	.26
JHW472-TH	1 ¼ to 3	⅜	13/32	7 ¼	.49
JHW474-TH	2 to 4 ¾	⅜	15/32	11 ½	.97
JHW474A-TH	4 ½ to 6 ¼	¼	15/32	17 ½	1.05

Features

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



TOOLS AT HEIGHT

WRENCHES



JHW483-TH



JHW484-TH



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.)
JHW482-TH	2	⅜	¼	6 ¼	.31
JHW483-TH	3	¼	¼	8 ⅛	.63
JHW484-TH	4	⅜	½	10 ⅜	1.01

Features

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

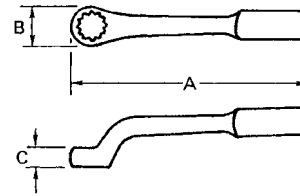




TOOLS@HEIGHT™ OFFSET PATTERN BOX END STRIKING WRENCHES

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (Inches)	Size (MM)	A	B	C	Weight (lbs)
			Overall Length (Inches)	Box End Diameter (Inches)	Box End Thickness (Inches)	
JHW8807W-TH	1 1/16	27	9 3/32	1 21/32	23/32	2.36
JHW8807AW-TH	1 1/8	-	10 3/32	1 15/16	3/4	2.71
JHW8808BW-TH	1 3/16	30	10 3/32	1 15/16	3/4	2.85
JHW8808W-TH	1 1/4	32	10 31/32	1 15/16	3/4	2.84
JHW8808AW-TH	1 3/16	33	10 3/32	1 15/16	3/4	2.7
JHW8808CW-TH	1 3/8	35	11 1/2	2 5/32	29/32	3.43
JHW8809W-TH	1 7/16	-	11 1/2	2 5/32	29/32	3.21
JHW8809BW-TH	-	36	11 1/2	2 5/32	29/32	3.46
JHW8809AW-TH	1 1/2	38	12	2 7/16	1	4.29
JHW8810W-TH	1 5/8	41	12	2 7/16	1	4.10
JHW8810AW-TH	1 11/16	43	12 9/16	2 11/16	1 1/8	5.22
JHW8811BW-TH	1 3/4	44	12 9/16	2 11/16	1 1/8	5.14
JHW8811W-TH	1 13/16	46	12 9/16	2 11/16	1 1/8	5.11
JHW8811AW-TH	1 7/8	-	13	2 7/8	1 1/4	5.18
JHW8812AW-TH	1 15/16	49	13	2 7/8	1 1/4	5.26
JHW8812BW-TH	-	50	13	2 7/8	1 1/4	5.40
JHW8812W-TH	2	51	13	2 7/8	1 1/4	5.53
JHW8813BW-TH	2 1/8	54	13 3/16	3 1/4	1 13/32	7.4
JHW8813W-TH	2 3/16	55	13 3/16	3 1/4	1 13/32	7.05
JHW8813AW-TH	2 1/4	57	13 9/16	3 1/4	1 13/32	7.41
JHW8814AW-TH	2 3/16	59	13 9/16	3 1/4	1 13/32	7.35
JHW8814W-TH	2 3/8	60	14 1/8	3 11/16	1 1/2	8.20
JHW8815BW-TH	2 1/2	64	14 1/8	3 11/16	1 1/2	8.07
JHW8815W-TH	2 9/16	65	14 1/8	3 11/16	1 1/2	7.82
JHW8815AW-TH	2 5/8	67	15	3 15/16	1 5/8	9.53
JHW8816W-TH	2 3/4	70	15	3 15/16	1 5/8	9.40
JHW8816CW-TH	2 7/8	73	16	4 7/16	1 3/4	12.50
JHW8816BW-TH	2 15/16	75	16	4 7/16	1 3/4	12.12
JHW8817AW-TH	3	76	16	4 7/16	1 3/4	12.34
JHW8817W-TH	3 1/8	80	16	4 7/16	1 3/4	11.62
JHW8818AW-TH	3 3/8	85	18 9/32	6	2	28.59
JHW8818W-TH	3 1/2	89	18 9/32	6	2	28.54
JHW8819BW-TH	3 3/4	95	18 9/32	6	2	27.86
JHW8819W-TH	3 7/8	98	18 9/32	6	2	27.34
JHW8819CW-TH	4 1/8	105	18 9/32	6	2	25.72
JHW8819AW-TH	4 1/4	108	18 9/32	6	2	26.82



JHW8807W-TH



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

JHW88SET-TH 36 Piece Set Offset Pattern Box End Striking Wrenches

Contents Include: One of each Offset Pattern Box End Striking Wrench

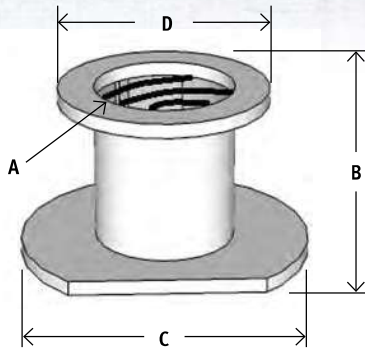
- Weight - 355 lbs.

TOOLS AT HEIGHT

STRIKING WRENCHES



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.



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



SWR-24



SWR-52



SWR-SET

TOOLS AT HEIGHT

WRENCH RETAINERS

TOOLS@HEIGHT™ FOLDING HEX KEY SETS



SAE and Metric

Product Code	JHWWS-45-TH		JHWWS-46-TH		JHWMWS-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 5/8	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	9/16	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
- Modified to prevent disassembly during use



JHWWS-45-TH

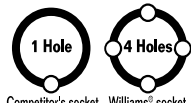
TOOLS@HEIGHT™ METAL HANDLE CLICK TYPE TORQUE WRENCHES - DUAL SCALE

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
6004MFRMH-TH	3/4"	100-600 ft. lb.	5	169-779 Nm	6.8	42.00	2.50	2.00	1.15	7.85

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
- 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.



Competitor's socket Williams' socket

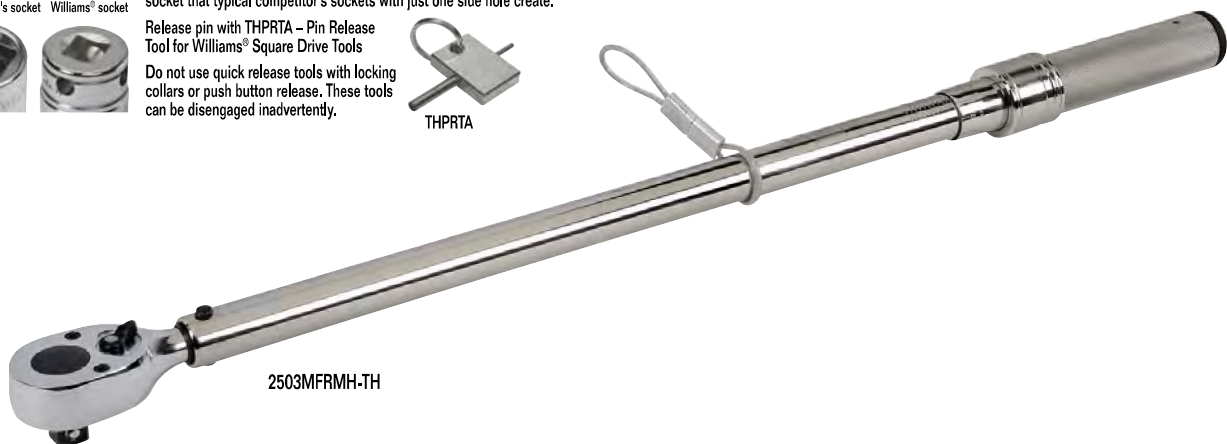
Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical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



Release pin with THPRTA – Pin Release Tool for Williams® Square Drive Tools
Do not use quick release tools with locking collars or push button release. These tools can be disengaged inadvertently.



THPRTA



2503MFRMH-TH



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.



JHWM52EHATH



JHWMB52EHATH

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)
JHWM52EHATH	Chrome Finish Enclosed Head Ratchet	5 1/4	36	0.00
JHWMB52EHATH	Black Industrial Finish Enclosed Head Ratchet	5 1/4	36	0.21

Fed. Spec: ANSI B107.10M



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:
 - 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

TOOLS@HEIGHT™ 1/4" DRIVE EXTENSIONS

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
JHWM-102-TH	Extension	2	.06
JHWM-104-TH	Extension	4	.11
JHWM-115-TH	Extension	6	.15
JHWM-140A-TH	U-Joint	1 7/16	.11

Fed. Spec: ANSI B107.10M

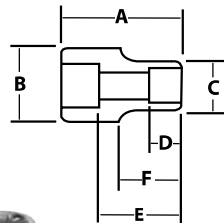


Features

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



JHWM-115-TH



JHW30210-TH JHW30206-TH

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

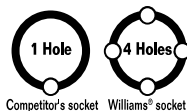
High-Polished Chrome Finish

Product Code	Size (Inches)	OAL (Inches)	Working End		Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)	Weight (lbs)
			Drive End Diameter (Inches)	Working End Diameter (Inches)					
JHW30206-TH	3/16	1	15/32	5/16	9/32	19/32	3/16	1/2	0.03
JHW30207-TH	7/32	1	19/32	11/32	5/16	19/32	7/32	1/2	0.03
JHW30208-TH	1/4	1	15/32	3/8	5/16	19/32	7/32	1/2	0.03
JHW30209-TH	9/32	1	19/32	7/16	5/16	19/32	1/4	1/2	0.03
JHW30210-TH	5/16	1	19/32	15/32	5/16	19/32	1/4	-	0.03
JHW30211-TH	11/32	1	1/2	1/2	5/16	19/32	11/32	-	0.04
JHW30212-TH	3/8	1	9/16	9/16	11/32	19/32	3/8	-	0.04
JHW30214-TH	7/16	1	5/8	5/8	7/16	19/32	7/16	-	0.05
JHW30216-TH	1/2	1	11/16	11/16	7/16	19/32	1/2	-	0.06
JHW30218-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® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA



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

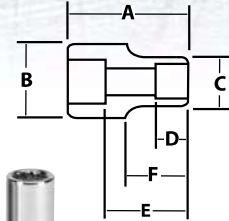
High-Polished Chrome Finish

Product Code	Size (Inches)	A (Inches)	B (Inches)	C (Inches)	D (Inches)	E (Inches)	F (Inches)	Weight (lbs)
JHW30406-TH	3/16	1 3/32	15/32	5/16	5/16	1 5/16	1/8	0.04
JHW30407-TH	7/32	1 3/32	15/32	11/32	3/8	1 5/16	3/16	0.05
JHW30408-TH	1/4	1 3/32	15/32	7/16	13/16	1 11/32	7/32	0.05
JHW30409-TH	9/32	1 3/32	15/32	7/16	25/32	1 11/32	1/4	0.05
JHW30410-TH	5/16	1 3/32	15/32	15/32	13/16	1 5/16	9/32	0.05
JHW30411-TH	11/32	1 3/32	1/2	1/2	23/32	1 5/16	9/32	0.07
JHW30412-TH	3/8	1 3/32	9/16	9/16	7/8	1 11/32	5/16	0.09
JHW30414-TH	7/16	1 3/32	5/8	5/8	7/8	1 1/2	13/32	0.10
JHW30416-TH	1/2	1 3/32	11/16	11/16	27/32	1 17/32	7/16	0.11
JHW30418-TH	9/16	1 3/32	3/4	3/4	29/32	1 9/16	17/32	0.14

Fed. Spec: ANSI B107.1

Features

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



JHW30410-TH JHW30406-TH



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)
JHW35000-TH	1/8	13/16	15/32	1 13/32	5/8	0.04
JHW35001-TH	5/32	13/16	15/32	1 13/32	5/8	0.04
JHW35002-TH	3/16	13/16	15/32	1 13/32	5/8	0.04
JHW35003-TH	7/32	13/16	15/32	1 13/32	5/8	0.04
JHW35004-TH	1/4	13/16	15/32	1 13/32	5/8	0.04
JHW35005-TH	5/16	13/16	15/32	1 13/32	5/8	0.04

JHW30902-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)
JHW35000-TH	1/8	JHW35002-TH	3/16	JHW35004-TH	1/4
JHW35001-TH	5/32	JHW35003-TH	7/32	JHW35005-TH	5/16

Features

- High-polished chrome finish socket cleans easily



JHW30902-TH



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)
JHW35070-TH	3	13/16	15/32	1 13/32	5/8	0.04
JHW35071-TH	4	13/16	15/32	1 13/32	5/8	0.04
JHW35072-TH	5	13/16	15/32	1 13/32	5/8	0.04
JHW35073-TH	6	13/16	15/32	1 13/32	5/8	0.04
JHW35074-TH	7	13/16	15/32	1 13/32	5/8	0.04
JHW35075-TH	8	13/16	15/32	1 13/32	5/8	0.04

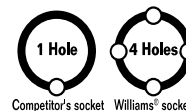
30904-TH 6 Piece Hex Bit Socket Set on Clip Rail .51 lbs

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
JHW35070-TH	3	JHW35072-TH	5	JHW35074-TH	7
JHW35071-TH	4	JHW35073-TH	6	JHW35075-TH	8

Features

- High-polished chrome finish socket cleans easily



Competitor's socket Williams' socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA - Pin Release Tool for Williams® Square Drive Tools

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



THPRTA



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.



JHWB52EHATH



JHWB52EHATH



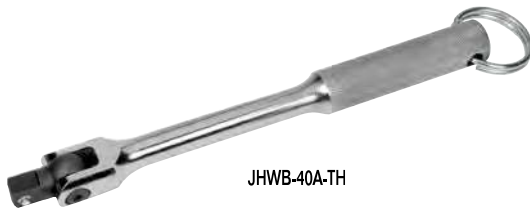
JHWB52EHLATH



JHWB-118-TH



JHWB-140A-TH



JHWB-40A-TH

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)
JHWB52EHATH	Black Industrial Finish Enclosed Head Ratchet	8	36	.76
JHWB52EHATH	Chrome Finish Enclosed Head Ratchet	8	36	.76
JHWB52EHLATH	Chrome Finish Enclosed Head Ratchet, Long	10 1/4	36	.87

Fed. Spec: ANSI B107.10M



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

TOOLS@HEIGHT™ 3/8" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

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

Fed. Spec: ANSI B107.10M



Features

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

TOOLS@HEIGHT™ 3/8" DRIVE HANDLE

Knurled Handle, High-Polished Chrome Finish

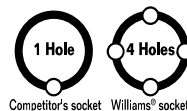
Product Code	Description	Length (Inches)	Weight (lbs)
JHWB-40A-TH	Flex Handle	8 9/16	.67

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



Competitor's socket

Williams® socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA



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

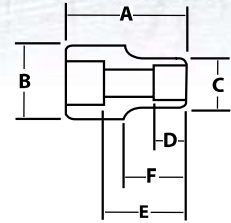
High-Polished Chrome Finish

Product Code	Size (Inches)	A		B		C		D		E		F		Weight (lbs.)
		OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)						
JHW31208-TH	1/4	1	1 1/16	7/16	11/32	9/16	7/32	17/32	0.04					
JHW31210-TH	5/16	1	1 1/16	15/32	3/8	17/32	1/4	17/32	0.05					
JHW31212-TH	3/8	1	1 1/16	9/16	3/8	1/2	9/32	17/32	0.05					
JHW31214-TH	7/16	1	1 1/16	5/8	11/32	17/32	13/32	17/32	0.05					
JHW31216-TH	1/2	1	3/4	3/4	13/32	19/32	7/16	-	0.07					
JHW31218-TH	9/16	1 1/16	25/32	25/32	17/32	5/8	17/32	-	0.08					
JHW31220-TH	5/8	1 1/16	7/8	7/8	19/32	11/16	19/32	-	0.09					
JHW31222-TH	11/16	1 1/16	15/16	15/16	1/2	11/16	21/32	-	0.11					
JHW31224-TH	3/4	1 1/8	1	1	9/16	23/32	23/32	-	0.15					
JHW31226-TH	13/16	1 1/8	1 1/8	1 1/8	9/16	23/32	29/32	-	0.17					
JHW31228-TH	7/8	1 7/32	1 3/16	1 3/16	21/32	13/16	27/32	-	0.21					
JHW31230-TH	15/16	1 7/32	1 1/4	1 1/4	21/32	13/16	27/32	-	0.23					
JHW31232-TH	1	1 7/32	1 5/16	1 5/16	11/16	13/16	31/32	-	0.26					

Fed. Spec: ANSI B107.1

Features

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



JHW31216-TH

JHW31208-TH



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

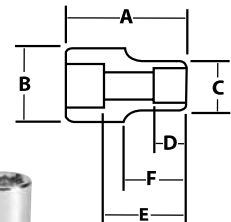
High-Polished Chrome Finish

Product Code	Size (Inches)	A		B		C		D		E		F		Weight (lbs.)
		OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)						
JHW31408-TH	1/4	2 1/2	1 1/16	7/16	11/32	1 11/16	7/32	1 1/16	0.11					
JHW31410-TH	5/16	2 1/2	1 1/16	15/32	3/8	1 11/16	5/16	1 1/16	0.11					
JHW31412-TH	3/8	2 1/2	1 1/16	9/16	3/8	1 11/16	3/8	1 1/16	0.12					
JHW31414-TH	7/16	2 1/2	1 1/16	5/8	11/32	1 11/16	7/16	1 1/16	0.12					
JHW31416-TH	1/2	2 1/2	3/4	3/4	13/32	1 11/32	15/32	-	0.15					
JHW31418-TH	9/16	2 1/2	25/32	25/32	17/32	1 9/16	17/32	-	0.18					
JHW31420-TH	5/8	2 1/2	7/8	7/8	19/32	1 9/16	19/32	-	0.21					
JHW31422-TH	11/16	2 1/2	15/16	15/16	1/2	1 11/16	21/32	-	0.25					
JHW31424-TH	3/4	2 1/2	1	1	9/16	1 11/16	23/32	-	0.27					
JHW31426-TH	13/16	2 1/2	1 1/8	1 1/8	9/16	2 1/32	25/32	-	0.34					
JHW31428-TH	7/8	2 1/2	1 3/16	1 3/16	21/32	2 1/32	27/32	-	0.38					
JHW31430-TH	15/16	2 1/2	1 1/4	1 1/4	21/32	2 1/32	27/32	-	0.44					
JHW31432-TH	1	2 1/2	1 5/16	1 5/16	11/16	2	31/32	-	0.49					

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

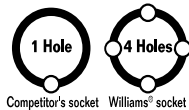


JHW31416-TH

JHW31408-TH

TOOLS AT HEIGHT

SOCKETS



Competitor's socket Williams® socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA





JHW35100-TH

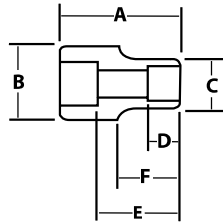
TOOLS@HEIGHT™ 3/8" DRIVE STANDARD LENGTH HEX BIT SOCKETS, SAE F

High-Polished Chrome Finish

Product Code	Size (Inches)	Socket Length (Inches)	Socket Outside Diameter (Inches)	Overall Length (Inches)	Bit Length (Inches)	Weight (lbs.)
JHW35100-TH	1/8	1 3/16	3/4	1 27/32	2 1/32	0.09
JHW35101-TH	9/64	1 3/16	3/4	1 27/32	2 1/32	0.09
JHW35102-TH	3/32	1 3/16	3/4	1 27/32	2 1/32	0.10
JHW35103-TH	3/16	1 3/16	3/4	1 27/32	2 1/32	0.09
JHW35104-TH	7/32	1 3/16	3/4	1 27/32	2 1/32	0.10
JHW35105-TH	1/4	1 3/16	3/4	1 27/32	2 1/32	0.09
JHW35106-TH	5/16	1 3/16	3/4	1 31/32	1 3/16	0.11
JHW35107-TH	3/8	1 3/16	3/4	1 31/32	1 3/16	0.12

Features

- High-polished chrome finish socket cleans easily.



JHW31154-TH



JHW31142-TH



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

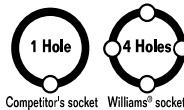
High-Polished Chrome Finish

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)	F		Weight (lbs.)
								Nose Length (Inches)	Weight (lbs.)	
JHW31142-TH	3/8	1 53/64	3/4	9/16	3/8	35/64	2 1/64	5/16	0.11	
JHW31144-TH	7/16	1 53/64	3/4	5/8	3/8	35/64	2 1/64	5/16	0.11	
JHW31146-TH	1/2	1 57/64	3/4	45/64	13/32	37/64	2 1/64	13/32	0.12	
JHW31148-TH	9/16	1 57/64	3/4	25/32	7/16	43/64	2 1/64	33/64	0.13	
JHW31150-TH	5/8	2	3/4	55/64	7/16	45/64	2 1/64	33/64	0.14	
JHW31152-TH	1 1/16	2 3/64	3/4	15/16	3/64	3/4	2 1/64	17/32	0.15	
JHW31154-TH	3/4	2 3/64	3/4	1 1/64	1/2	51/64	2 1/64	17/32	0.16	

Fed. Spec: ANSI B107.1

Features

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



Competitor's socket Williams' socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA

TOOLS@HEIGHT™ 1/2" DRIVE SCAFFOLDING RATCHET

Product Code	Description	Product Code	Description
BS-63A	Scaffolding Ratchet with reversed pry bar	JHWBS-63BRK	Repair Kit
JHWBS-62	Scaffolding Ratchet with out pry bar	JHWBS-63BTIP	Hammer Tip
JHWBS-63B	Scaffolding Ratchet with pry bar	JHWBS-63BBAR	Pry Bar

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



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)
JHWS52EHATH	Chrome Finish Enclosed Head Ratchet	10 1/4	36	1.61
JHWS52EHLATH	Chrome Finish Enclosed Head Ratchet, Long	15	36	1.94
JHWSB52EHATH	Black Industrial Finish Enclosed Head Ratchet	10 1/4	36	1.61

Fed. Spec: ANSI B107.10M



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



TOOLS AT HEIGHT

TOOLS@HEIGHT™ 1/2" DRIVE HANDLES

Knurled Handle, Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
JHWS-40AA-TH	Chrome Flex Handle	10 13/16	1.34
JHWS-41AA-TH	Chrome Flex Handle	15 1/2	2.07
JHWSB41AATH	Black Industrial Finish Flex Handle	15 1/2	2.06

Fed. Spec: ANSI B107.10M

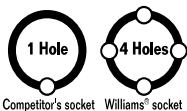


Features

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



RATCHETS/HANDLES/EXTENSIONS



Competitor's socket Williams' socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



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.



JHWS-140A-TH

TOOLS@HEIGHT™ 1/2" DRIVE EXTENSIONS AND ACCESSORIES

High-Polished Chrome Finish

Product Code	Description	Length (Inches)	Weight (lbs.)
JHWS-102P-TH	Extension	2	.38
JHWS-110P-TH	Extension	5	.50
JHWS-115P-TH	Extension	10	.93
JHWS-121P-TH	Extension	20	1.76
JHWS-140A-TH	Universal Joint	2 11/16	.29

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion

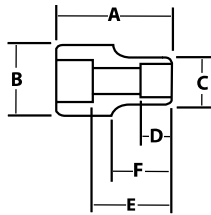


JHWS-121P-TH



TOOLS@HEIGHT™ 1/2" DRIVE SHALLOW 12 POINT SOCKETS, SAE

High-Polished Chrome Finish



JHW32220-TH

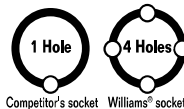
JHW32212-TH

Product Code	Size (Inches)	A		B		C		D		E		F	
		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.)				
JHW32212-TH	3/8	1 1/2	7/8	5/8	1/2	25/32	5/16	23/32	0.11				
JHW32214-TH	7/16	1 1/2	7/8	11/16	1/2	27/32	13/32	11/16	0.12				
JHW32216-TH	1/2	1 1/2	7/8	3/4	17/32	27/32	15/32	23/32	0.12				
JHW32218-TH	9/16	1 1/2	7/8	13/16	17/32	27/32	17/32	11/16	0.12				
JHW32220-TH	5/8	1 1/2	29/32	23/32	17/32	27/32	9/16	-	0.14				
JHW32222-TH	11/16	1 1/2	31/32	31/32	9/16	27/32	21/32	-	0.16				
JHW32224-TH	3/4	1 1/2	1	1	3/4	29/32	23/32	-	0.19				
JHW32226-TH	13/16	1 1/2	1 1/8	1 1/8	25/32	31/32	25/32	-	0.21				
JHW32228-TH	7/8	1 5/8	1 3/16	1 3/16	7/8	1 1/32	7/8	-	0.25				
JHW32230-TH	15/16	1 5/8	1 1/4	1 1/4	7/8	1 5/32	29/32	-	0.29				
JHW32232-TH	1	1 5/8	1 5/16	1 5/16	7/8	1 3/16	31/32	-	0.32				
JHW32234-TH	1 1/16	1 3/4	1 7/16	1 7/16	31/32	1 9/32	1 1/16	-	0.40				
JHW32236-TH	1 1/8	1 3/4	1 1/2	1 1/2	31/32	1 5/16	1 5/32	-	0.44				
JHW32238-TH	1 3/16	1 3/4	1 9/16	1 9/16	31/32	1 5/16	1 1/4	-	0.50				
JHW32240-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 9/16	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 37/64	1 1/16	1 1/16	1 11/32	-	0.66				
JHW32248-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



Competitor's socket Williams' socket



Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA



TOOLS@HEIGHT™ 1/2" DRIVE DEEP SOCKETS, 12 POINT, SAE

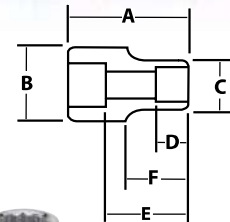
High-Polished Chrome Finish

Product Code	Size (Inches)	A		B		C		D		E		F	
		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.)				
JHW32412-TH	3/8	3	7/8	5/8	1	2 7/32	1 1/32	0.23					
JHW32414-TH	7/16	3 1/32	7/8	11/16	1 1/8	2 9/32	1 15/32	0.24					
JHW32416-TH	1/2	3 1/32	7/8	3/4	31/32	2 7/32	1 19/32	0.24					
JHW32418-TH	9/16	3 1/32	7/8	13/16	1 3/32	2 7/32	1 19/32	0.26					
JHW32420-TH	5/8	3 1/32	29/32	29/32	1 3/16	2 3/16	9/16	0.27					
JHW32422-TH	11/16	3 1/32	15/16	15/16	1 3/8	2 3/16	21/32	0.27					
JHW32424-TH	3/4	3 1/32	1 1/16	1 1/16	1 1/4	2 11/32	23/32	0.27					
JHW32426-TH	13/16	3 1/32	1 1/8	1 1/8	1 15/32	2 3/16	3/4	0.41					
JHW32428-TH	7/8	3 1/32	1 3/16	1 3/16	1 13/32	2 1/4	27/32	0.45					
JHW32430-TH	15/16	3 1/32	1 1/4	1 1/4	1 13/32	2 5/32	29/32	0.50					
JHW32432-TH	1	3 1/32	1 11/32	1 11/32	1 13/32	2 3/32	15/16	0.58					
JHW32434-TH	1 1/16	3 1/32	1 13/32	1 13/32	1 3/8	2 11/32	1 1/32	0.64					
JHW32436-TH	1 1/8	3 1/32	1 1/2	1 1/2	1 7/16	2 3/8	1 1/16	0.75					
JHW32438-TH	1 3/16	3 1/32	1 9/16	1 9/16	1 7/16	2 3/16	1 1/16	0.81					
JHW32440-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 1/64	1.12					
32446-TH	1 7/16	3 1/32	1 57/64	1 57/64	1 3/8	2 11/64	1 1/32	1.19					
JHW32448-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

Features

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



JHW32420-TH JHW32412-TH

TOOLS AT HEIGHT

SOCKETS



TOOLS@HEIGHT™ 1/2" DRIVE SHALLOW SOCKETS, 8 POINT, SAE

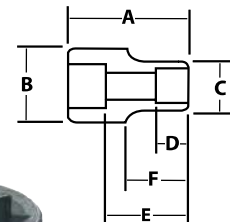
High-Polished Chrome Finish

Product Code	Size (Inches)	A		B		C		D		E		F	
		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.)				
JHWST-812-TH	3/8	1 1/2	7/8	29/32	5/16	27/32	5/16	7/8	0.14				
JHWST-814-TH	7/16	1 1/2	7/8	13/16	3/8	27/32	5/16	7/8	0.13				
JHWST-816-TH	1/2	1 1/2	29/32	29/32	13/32	27/32	11/32	-	0.16				
JHWST-818-TH	9/16	1 1/2	31/32	31/32	7/16	27/32	7/16	-	0.18				
JHWST-820-TH	5/8	1 1/2	1 1/16	1 1/16	1/2	27/32	7/16	-	0.24				
JHWST-822-TH	11/16	1 1/2	1 3/16	1 3/16	1/2	27/32	17/32	-	0.37				
JHWST-824-TH	3/4	1 1/2	1 9/32	1 9/32	9/16	27/32	25/32	-	0.37				
JHWST-826-TH	13/16	1 5/8	1 7/16	1 7/16	9/16	31/32	27/32	-	0.49				
JHWST-828-TH	7/8	1 3/4	1 1/2	1 1/2	5/8	1 1/16	15/16	-	0.53				
JHWST-830-TH	15/16	1 13/16	1 5/8	1 5/8	11/16	1 1/8	1 1/32	-	0.63				
JHWST-832-TH	1	1 15/16	1 11/16	1 11/16	1 1/4	1 1/4	1 1/32	-	0.78				

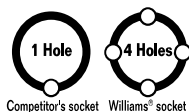
Fed. Spec: ANSI B107.1

Features

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- 8 point sockets are designed for quick engagement on 4 point fasteners



JHWST-812-TH



Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA

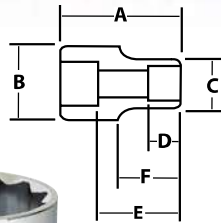


Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.



TOOLS@HEIGHT™ 1/2" DRIVE DEEP SOCKETS, 12 POINT, METRIC

High-Polished Chrome Finish



JHW32820-TH

Product Code	Size (MM)	A		B		C		D		E		F		Weight (lbs)
		OAL (Inches)	Drive End Diameter (Inches)	Working End Diameter (Inches)	Broach Depth (Inches)	Bolt Clearance Depth (Inches)	Bolt Clearance Diameter (Inches)	Nose Length (Inches)						
JHW32809-TH	9	3 1/4	29/32	19/32	5/16	2 15/32	11/32	2 19/32	0.22					
JHW32810-TH	10	3 1/4	29/32	19/32	5/16	2 19/32	11/32	2 19/32	0.22					
JHW32811-TH	11	3 1/4	29/32	11/16	5/16	2 19/32	13/32	2 19/32	0.22					
JHW32812-TH	12	3 1/4	29/32	23/32	13/32	2 19/32	7/16	2 19/32	0.23					
JHW32813-TH	13	3 1/4	29/32	23/32	3/8	2 15/32	15/32	2 19/32	0.24					
JHW32814-TH	14	3 1/4	29/32	27/32	3/8	2 15/32	15/32	2 19/32	0.24					
JHW32815-TH	15	3 1/4	29/32	7/8	3/8	2 11/32	15/32	-	0.24					
JHW32816-TH	16	3 1/4	29/32	29/32	9/16	2 11/32	15/32	-	0.27					
JHW32817-TH	17	3 1/4	31/32	31/32	9/16	2 11/32	15/32	-	0.31					
JHW32818-TH	18	3 1/4	1	1	13/16	2 11/32	15/32	-	0.34					
JHW32819-TH	19	3 1/4	1 1/32	1 1/32	13/16	2 3/16	23/32	-	0.37					
JHW32820-TH	20	3 1/4	1 1/16	1 1/16	13/16	2 3/16	23/32	-	0.40					
JHW32821-TH	21	3 1/4	1 1/8	1 1/8	13/16	2 3/16	3/4	-	0.41					
JHW32822-TH	22	3 1/4	1 3/16	1 3/16	13/16	2 3/16	25/32	-	0.46					
JHW32823-TH	23	3 1/4	1 1/4	1 1/4	29/32	2 3/16	27/32	-	0.49					
JHW32824-TH	24	3 1/4	1 9/32	1 9/32	13/16	2 3/16	7/8	-	0.52					
JHW32825-TH	25	3 1/4	1 5/16	1 5/16	13/16	2 1/4	15/16	-	0.55					
JHW32826-TH	26	3 1/4	1 3/8	1 3/8	29/32	2 1/4	31/32	-	0.57					
JHW32827-TH	27	3 1/4	1 7/16	1 7/16	31/32	2 1/4	1	-	0.66					
JHW32828-TH	28	3 1/4	1 1/2	1 1/2	1	2 1/4	1 1/32	-	0.73					
JHW32829-TH	29	3 1/4	1 9/16	1 9/16	1 1/32	2 1/4	1 1/16	-	0.78					
JHW32830-TH	30	3 1/4	1 5/8	1 5/8	1 1/32	2 1/4	1 3/32	-	0.83					
JHW32832-TH	32	3 1/4	1 11/16	1 11/16	1 1/8	2 1/4	1 3/16	-	0.93					
32834-TH	34	3 1/4	1 3/4	1 3/4	7/8	2 1/4	1	-	0.93					
JHW32836-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

JHW32949-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



JHW35212-TH



JHW35274-TH

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)
JHW35208-TH	1/4	1 1/16	29/32	2 13/32	27/32	0.17
JHW35210-TH	5/16	1 7/16	29/32	2 13/32	27/32	0.17
JHW35212-TH	3/8	1 7/16	29/32	2 13/32	27/32	0.19
JHW35214-TH	7/16	1 7/16	29/32	2 13/32	27/32	0.22
JHW35202-TH	1/2	1 9/32	7/8	2 13/32	27/32	0.26
JHW35203-TH	9/16	1 19/32	1	2 13/32	27/32	0.33
JHW35204-TH	5/8	1 19/32	1 1/16	2 13/32	27/32	0.39
JHW35206-TH	3/4	1 19/32	1 3/16	2 13/32	27/32	0.51

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)
JHW35274-TH	8	1 19/32	29/32	2 13/32	27/32	0.17
JHW35275-TH	10	1 19/32	29/32	2 7/16	27/32	0.19
JHW35276-TH	12	1 19/32	29/32	2 7/16	27/32	0.22
JHW35277-TH	14	1 19/32	1	2 7/16	27/32	0.32
JHW35278-TH	17	1 19/32	1 3/32	2 7/16	27/32	0.43
JHW35279-TH	19	1 19/32	1 3/16	2 7/16	27/32	0.51

Features

- High-polished chrome finish socket cleans easily



Competitor's socket Williams' socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA

TOOLS@HEIGHT™ 3/4" DRIVE INTEGRATED HANDLE RATCHETS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
JHWH-51B-TH	Chrome Finish Ratchet	20 1/8	24	6.04
JHWHB-51B-TH	Black Industrial Finish Ratchet	20 1/8	24	6.04

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



JHWH-51B-TH

JHWHB-51B-TH

TOOLS@HEIGHT™ 3/4" DRIVE EXTENSIONS

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Weight (lbs)
JHWH-104B-TH	Black Industrial Finish Drive Extension	3	0.73
JHWH-110B-TH	Black Industrial Finish Drive Extension	8	1.70
JHWH-110-TH	Chrome Finish Drive Extension	8	1.72
JHWH-115-TH	Chrome Finish Drive Extension	16	3.25

Fed. Spec: ANSI B107.10M

Features

- Chrome plating provides increased protection from rust and corrosion



JHWH-110-TH

JHWH-104B-TH

TOOLS@HEIGHT™ 3/4" DRIVE HANDLE

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish
JHWH-41AA-TH	Flex Handle Breaker Bar, Knurled Grip	22 1/8	Chrome

Fed. Spec: ANSI B107.10M

Features

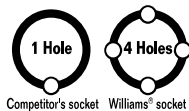
- Chrome plating provides increased protection from rust and corrosion
- Drive handles provide extra leverage with greater strength than ratchets
- Square drive slides on T-Handles for versatility
- Flex handle flex drive swivels 110° in either direction



JHWH-41AA-TH

TOOLS AT HEIGHT

RATCHETS/EXTENSIONS/HANDLES



Competitor's socket Williams' socket

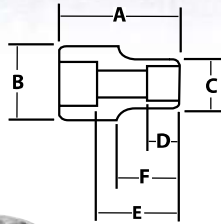
Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. This reduces the risk of misaligning the socket that typical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

Release pin with THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA



JHW33244-TH

JHW33228-TH

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)
JHW33228-TH	7/8	1 15/16	1 7/16	1 1/4	39/64	0.46
JHW33230-TH	15/16	2	1 7/16	1 3/8	5/8	0.49
JHW33232-TH	1	2 1/16	1 7/16	1 7/16	5/8	0.49
JHW33234-TH	1 1/16	2 1/16	1 7/16	1 1/2	7/8	0.49
JHW33236-TH	1 1/8	2 1/16	1 1/2	1 5/8	7/8	0.54
JHW33238-TH	1 3/16	2 1/8	1 1/2	1 11/16	15/16	0.60
JHW33240-TH	1 1/4	2 3/16	1 1/2	1 3/4	15/16	0.64
JHW33242-TH	1 5/16	2 3/16	1 1/2	1 13/16	1	0.69
JHW33244-TH	1 3/8	2 1/4	1 5/8	1 7/8	1	0.83
JHW33246-TH	1 7/16	2 1/4	1 5/8	1 31/32	1 7/64	0.90
JHW33248-TH	1 1/2	2 3/8	1 3/4	2 1/16	1 7/64	1.01
JHW33252-TH	1 5/8	2 1/2	1 3/4	2 3/16	1 3/16	1.17
JHW33256-TH	1 3/4	2 3/16	1 13/16	2 5/16	1 1/4	1.37
JHW33258-TH	1 15/16	2 1/16	1 15/16	2 3/8	1 1/4	1.37
JHW33260-TH	1 7/8	2 3/4	1 7/8	2 1/2	1 11/32	1.57
JHW33264-TH	2	2 13/16	1 7/8	2 11/16	1 13/32	1.64

Fed. Spec: ANSI B107.1

TOOLS@HEIGHT™ 1" DRIVE HANDLE

Chrome and Black Industrial Finish

Product Code	Description	Length (Inches)	Finish	Weight (lbs)
JHWX-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



JHWX-41C-TH

TOOLS@HEIGHT™ 1" DRIVE RATCHET

Integrated Handle, Chrome Finish

Product Code	Description	Length (Inches)	Number of Teeth	Weight (lbs)
JHWX-51B-TH	Chrome Ratchet	20 1/8	24	6.25

Fed. Spec: ANSI B107.10M

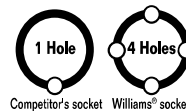


Features

- 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



JHWX-51B-TH



Competitor's socket Williams' socket

Williams® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Williams® Tools@Height™ 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 THPRTA – Pin Release Tool for Williams® Square Drive Tools

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



THPRTA

TOOLS@HEIGHT™ 1000V ERGO® SCREWDRIVERS



Three Component Handle with Black Oxide Tips

Product Code	Overall Length (Inches)	Blade Length (Inches)	Tip Width (Inches)	Weight (lbs)
SLOTTED				
BE-8220S-TH	9	4	1/8	.089
BE-8040S-TH	8 3/4	4	5/32	.136
BE-8050S-TH	8 3/4	4	7/32	.089
PHILLIPS				
BE-8610S-TH	8	3 5/32	1	.141
BE-8620S-TH	8 3/4	4	2	.241

Features

- The three component ergonomically designed handle provides comfort and maximum grip even with oily hands
- For use with optional WTHUNIRET1 retractable lanyard



TOOLS@HEIGHT™ 5 PIECE PREMIUM MIXED SCREWDRIVER SET

Premium Comfort Grip Handles and Blades

Product Code	Description
100P-5MD-TH	5 Piece Premium Screwdriver Set Phillips/Slotted

Contents Include:

Product Code	Overall length (Inches)	Blade Length (Inches)	Tip Width/Point Size
JHWSDR-22-TH	6 1/8	3	3/16
JHWSDR-24-TH	7 7/8	4	1/4
JHWSDR-26-TH	10 11/16	6	5/16
JHWSDP13TH	6 1/4	3	#1 Phillips
JHWSDP24TH	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)
JHWSDS-62-TH	3 7/8	1 1/2	3/16	0.09
JHWSDR-22-TH	6 1/8	3	3/16	0.17
JHWSDR-24-TH	7 7/8	4	1/4	0.26
JHWSDR-26-TH	10 11/16	6	5/16	0.38
JHWSDR-28-TH	12 11/16	8	3/8	0.59
JHWSDR-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.



JHWSDS-62-TH

JHWSDR-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

JHWSDP2STTH



JHWSDP24TH

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)
JHWSDP2STTH	3 7/8	1 1/2	2	0.10
JHWSDP13TH	6 1/4	3	1	0.15
JHWSDP24TH	7 15/16	4	2	0.25
JHWSDP28TH*	12	8	2	0.30
JHWSDP36TH	10 1/2	6	3	0.39
JHWSDP46TH	10 3/4	6	4	0.53

* Does not have Bolster



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.

TOOLS@HEIGHT™ WEDGE WIDTH POSITION ADJUSTABLE SHACKLE

Durable Shackle with Wave Washers

Product Code	Overall Length Wedge Only (Inches)	Overall Length Including Shackle (Inches)	Overall Width Including Shackle (Inches)	Width Wedge Working Area (Inches)	Tip Thickness (Inches)	Weight (lbs)
JHWWG6412TH	12	14	2.3	2	0.1	6.9
JHWWG2408TH	8	9	1.82	1.5	0.1	1.5
THCARA257FTB	SST Carabiner to carabiner bungee lanyard, medium duty					

Features

- Wedge features a durable shackle with wave washers that allow the shackle to be positioned out of the way while being struck Precision machined socket end
- Useful for most separating and positioning tasks
- Designed to allow the shackle to swivel fully from one side to the other
- Made from heat treated alloy steel; Stainless steel shackle is durable and will not corrode in harsh environments
- Shackle has position adjustment feature to keep the shackle out of the hammer path, even when used upside down
- Shackle pin is locked in place to prevent it from "walking out" during use

JHWWG6412TH



TOOLS@HEIGHT™ BULL PINS WIDTH POSITION ADJUSTABLE SHACKLE

Durable Shackle with Wave Washers

Product Code	Overall Length Bull Pin Only (Inches)	Overall Length Including Shackle (Inches)	Overall Width Including Shackle (Inches)	Diameter Bull Pin Working Area (Inches)	Point Diameter (Inches)	Weight (lbs)
JHWP4014TH	14	16	2 5/16	1 1/4	5/16	3.5
JHWP3410TH	10	11	1 13/16	1 1/16	1/4	3
THCARA257FTB	SST Carabiner to carabiner bungee lanyard, medium duty					
KLE5417T	Bull Pin Holder - Leather					

Features

- Bull Pins feature a durable shackle with wave washers that allow the shackle to be positioned out of the way while being struck
- Broad head bull pin for most alignment tasks
- Head of bull pin designed to allow the shackle to swivel fully from one side to the other
- Bull Pin made from heat treated alloy steel; Stainless steel shackle is durable and will not corrode in harsh environments
- Shackle has position adjustment feature to keep the shackle out of the hammer path, even when used upside down
- Shackle pin is locked in place to prevent it from "walking out" during use
- Broad head angle allows shackle to pass from side to side, even as head mushrooms from being struck

JHWP4014TH



TOOLS@HEIGHT™ UTILITY SUPERJOINT PLIERS

Double-Dipped Plastic Handles

Features	Overall Length (Inches)	Maximum Opening (Inches)	Tip Width (Inches)	Weight (lbs)
JHWPL1519CTH	5	1/2	3/16	0.22
JHWPL1520CTH	10	1 1/2	5/16	0.92
JHWPL1523CTH	12	2 5/8	1/2	1.50
JHWPL1524CTH	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



JHWPL1520CTH

TOOLS@HEIGHT™ COMBINATION SLIP-JOINT PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Width (Inches)	Weight (lbs)
JHWPL-8C-TH	8	1 13/32	3/8	0.73
JHWPL-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



JHWPL-10C-TH

TOOLS@HEIGHT™ INDUSTRIAL GRADE LINESMAN'S PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
JHWPL204CTH	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



JHWPL204CTH



JHWPL-57C-TH

TOOLS@HEIGHT™ HIGH LEVERAGE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
JHWPL-57C-TH	High Leverage Head	7 1/4	1 5/16	0.50

Features

- Handles are designed to cut wire with ease
- Polished heads resist rust and corrosion, extending the tool life
- Induction hardened cutting edges



JHWPL-46C-TH

TOOLS@HEIGHT™ INDUSTRIAL GRADE DIAGONAL CUTTING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
JHWPL-46C-TH	6	3/4	.37
JHWPL-47C-TH	7	1 1/16	.50

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



JHWPL-76C-TH

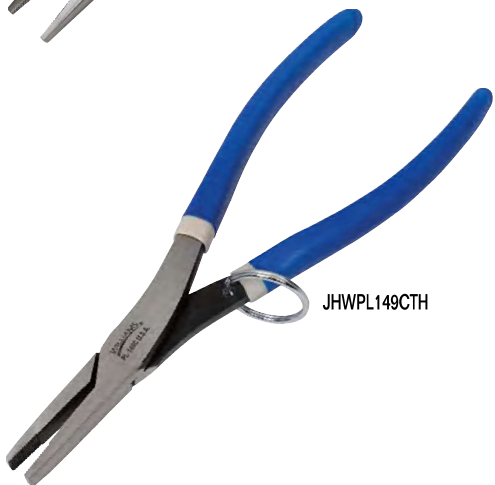
TOOLS@HEIGHT™ CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
JHWPL-76C-TH	Long Nose w/cutter	6 1/2	1 5/16	.38

Features

- Polished heads resist rust and corrosion, extending the tool life
- Diamond serrated jaws with industrial hardened cutting edges



JHWPL149CTH

TOOLS@HEIGHT™ DUCK BILL PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
JHWPL149CTH	High Leverage	8	1 1/4	.44

Features

- Jaws are polished with rust-protective coating
- Flat wide nose provides a better grip than the regular needle nose models



TOOLS@HEIGHT™ THIN BENT CHAIN NOSE PLIERS

Double-Dipped Plastic Handles

Product Code	Description	Overall Length (Inches)	Jaw Length (Inches)	Weight (lbs)
JHWPL126CTH	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



JHWPL126CTH

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)
JHW23506-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



JHW23506-TH

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)
JHW23503-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



JHW23503-TH

TOOLS@HEIGHT™ WIRE TWISTER / CUTTER

Produces Right Hand (clockwise) Twists

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Cutting Blade Length (Inches)	Weight (lbs)
JHWWTC-11-TH	8.5	1 1/16	1/4	.53

Features

- Diamond-shaped, flat top jaw serrations hold wire firmly and resist nicking 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 its 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



JHWWTC-11-TH



JHW23303A-TH

TOOLS@HEIGHT™ CABLE CUTTER FOR FERROUS MATERIALS

Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
JHW23302A-TH	7	0.71
JHW23303A-TH	10	1.15

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power



JHW23310A-TH

JHW23321A-TH

TOOLS@HEIGHT™ LOCKING PLIERS

Long Nose with Wire Cutter Locking Pliers

Product Code	Overall Length (Inches)	Weight (lbs)
JHW23310A-TH	9	0.80

Locking C-Clamps

Product Code	Overall Length (Inches)	Throat Depth	Capacity (Lbs.)	Weight (lbs)
JHW23321A-TH	11	2 1/4"	900	1.65

Features

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power



JHWCC404CTH

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)
JHWCC402CTH	2	2 11/32	1/2	3500	1.50
JHWCC404CTH	4	3 3/16	3/4	6500	3.15
JHWCC406CTH	6	4 1/8	3/4	6900	5.24
JHWCC408CTH	8	5 3/16	3/4	6900	7.5

Features

- 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™ 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
R31105-TH*	24	3	6.5
R31110-TH*	36	5	11.2
R31115-TH*	48	6	19.5

Features

- Professional strength in lightweight aluminum
- Offers the durability and ease-of-use

*Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.



R31090-TH

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

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
R31025-TH*	18	2 9/16	5.8
R31030-TH*	24	3	9.5
R31035-TH*	36	5	19.5
R31040-TH*	48	6	32

Features

- 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

*Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.



R31010-TH

R31030-TH

Tools@Height Tools Over 5 lbs. with Engineered Attachment Point. Three-foot-long web strap/carabiner system designed for use with "master ring" systems.

TOOLS@HEIGHT™ PIPE CHAIN WRENCH

Heat Treated

Product Code	Pipe Diameter		Handle Length (Inches)	Chain Length (Inches)	Weight (lbs)
	Minimum	Maximum (Pipe Size)			
JHWCW-4-TH	3/8	4	11	15	1.80

Features

- 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



JHWCW-4-TH



THFSNE3-22SM

TOOLS@HEIGHT™ CLAW HAMMER

Solid steel hammer with Cushion Grip

Product Code	Head Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
THFSNE3-22SM	22	7 1/4	15 3/4	2.13
MOIE3-16C-TH	16	11	13	1.5

Features

- Cushion grip handle provides greater comfort and safety
- Durable design for a long lasting hammer



JHW20543-TH

TOOLS@HEIGHT™ BALL PEIN HAMMERS

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
JHW20542-TH	9 1/2	10 3/4	7/8	1.84
JHW20543-TH	10 1/4	11 3/4	7/8	1.23
JHW20544-TH	11 1/4	13	1 7/8	1.67
JHW20545-TH	13	15	1 1/4	2.31
JHW20546-TH	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



HSB-1.5A-TH

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



TOOLS AT HEIGHT

HAMMERS

TOOLS@HEIGHT™ DRILLING HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
JHW20678-TH	8 ½	10 ¼	2.55

Features

- Handles are durable and comfortable
- Heavy duty construction for strength and durability



JHW20678-TH

TOOLS@HEIGHT™ CROSS PEIN HAMMER

Fiberglass Handles with Cushion Grip

Product Code	Weight (ozs.)	Handle Length (Inches)	Overall Length (Inches)	Weight (lbs.)
20651-TH	48	13	15 ¾	4.96

Features

- Handles are durable and comfortable
- Heavy duty construction for strength and durability



20651-TH

TOOLS@HEIGHT™ SLEDGE HAMMERS

Fiberglass Handles

Product Code	Weight Class (lbs.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	Weight (lbs.)
SHF-4SA-TH **	4	14	14	1 ¼	4.93
SHF-8SA-TH **	8	32	32	2	10.34
SHF-12SA-TH **	12	32	32	2 ¼	14.45
SHF-4A-TH	4	14	14	1 ⅝	4.78
SHF-6A-TH	6	32	32	1 ¾	7.74
SHF-8A-TH	8	32	32	2	9.89
SHF-10A-TH	10	16	16	2 ½	11.34
SHF-10LA-TH	10	32	32	2 ½	12.18
SHF-12A-TH	12	32	32	2 ¼	14.70
SHF-16A-TH	16	24	24	2 ⅝	18.43

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



SHF-10LA-TH





C-807-TH

TOOLS@HEIGHT™ PRY BARS - SCREWDRIVER TYPE

Comfort Grip Handles

Product Code	Size	Overall Length (inches)	Weight (lbs)
C-807-TH	3/8	12	0.67
C-812-TH	3/8	17	0.86
C-818-TH	1/2	25	1.9491

Features

- 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 hand.



JHWP-17-TH

TOOLS@HEIGHT™ 17 PIECE PUNCH & CHISEL SET

Packed in a Roll Pouch

Product Code	Description	Weight (lbs)
JHWP-17-TH	17 Piece Punch & Chisel Set	4.93

Contents Include:

Product Code	Description	Point Diameter (Inches)	Product Code	Description	Blade Width (Inches)
JHWP-4-TH	Pin Punch	1/8	C-10-TH	Cold Chisel	5/16
JHWP-6-TH	Pin Punch	3/16	C-12-TH	Cold Chisel	3/8
JHWP-8-TH	Pin Punch	1/4	C-16-TH	Cold Chisel	1/2
JHWP-14-TH	Solid Punch	1/8	C-20-TH	Cold Chisel	5/8
JHWP-15-TH	Solid Punch	3/32	C-24-TH	Cold Chisel	3/4
JHWP-16-TH	Solid Punch	3/16	C-42-TH	Cape Chisel	1/4
JHWP-25-TH	Long Taper Punch	5/32	C-62-TH	Diamond Point Chisel	3/8
JHWP-28-TH	Long Taper Punch	1/4			
JHWP-32-TH	Prick Punch	-			
JHWP-40-TH	Center Punch	-			

Features

- Heavy duty construction for strength and durability.



TOOLS AT HEIGHT

PRY BARS/PUNCH & CHISEL SET

TOOLS@HEIGHT™ COLD CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
JHWC-10-TH	1/4	5/16	5	0.07
JHWC-12-TH	5/16	3/8	5 1/2	0.13
JHWC-15-TH	3/8	7/16	6	0.20
JHWC-16-TH	7/16	1/2	6	0.26
JHWC-20-TH	1/2	5/8	6 1/2	0.33
JHWC-24-TH	5/8	3/4	7	0.59
JHWC-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



JHWC-10-TH

TOOLS@HEIGHT™ CAPE CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Length (Inches)	Weight (lbs)
JHWC-42-TH	3/8	1/4	5	0.15

Features

- Designed for cutting or grooving keyholes or slots



JHWC-42-TH

TOOLS@HEIGHT™ DIAMOND POINT CHISELS

Heavy Duty Industrial Grade

Product Code	Stock Size	Square Cut	Length (Inches)	Weight (lbs)
JHWC-62-TH	5/8	3/8	7	.56

Features

- Designed for making a V-groove in metal and to clean out inside corners



JHWC-62-TH



JHWP-4-TH



JHWP-16-TH



JHWP-32-TH



JHWP-40-TH

TOOLS@HEIGHT™ PIN PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
JHWP-4-TH	5/16	1/8	4 3/4	0.09
P-5-TH	5/16	5/32	5	0.10
JHWP-6-TH	5/16	3/16	5 1/4	0.15
JHWP-8-TH	3/8	1/4	5 3/4	0.17
JHWP-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



TOOLS@HEIGHT™ SOLID PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
JHWP-14-TH	3/8	1/8	5	0.15
JHWP-15-TH	3/8	5/32	5	0.15
JHWP-16-TH	3/8	3/16	5	0.16
JHWP-17-TH	1/2	1/4	5	0.16
JHWP-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



TOOLS@HEIGHT™ PRICK PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Length (Inches)	Weight (lbs)
JHWP-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



TOOLS@HEIGHT™ CENTER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Blade Width (Inches)	Weight (lbs)
JHWP-38-TH	1/4	4	.05
JHWP-39-TH	5/8	4 1/2	.08
JHWP-40-TH	3/8	5	.09
JHWP-42-TH	1/2	6	.07

Features

- Pierces or marks work by indentation for starting pilot drills in metal or other materials



TOOLS@HEIGHT™ LONG TAPER PUNCHES

Heavy Duty Industrial Grade

Product Code	Stock Size	Point Diameter	Length (Inches)	Weight (lbs)
JHWP-25-TH	3/8	5/32	9	0.25
JHWP-28-TH	5/8	1/4	12	0.82
JHWP-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



JHWP-25-TH

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



28449-TH

TOOLS@HEIGHT™ PINCH BARS

Heavy Duty Industrial Grade

Product Code	Overall Length (Inches)	Stock Size	Width of Flat (Inches)	Weight (lbs)
JHWC-83-TH	19 5/8	3/4	7/8	2.32
JHWC-84-TH	30	7/8	1	5.0

Features

- Used for aligning, prying and positioning



JHWC-83-TH

TOOLS@HEIGHT™ SUPERIOR HANDSAWS WITH XT TOOTHING

ERGO® handle - Unique XT toothing - Low Friction Coating

Product Code	Blade Length (Inch)	Teeth Per Inch (TPI)	Type of cut	Weight (lbs)
2700-24-XT7-HP-TH	24	7	Aggressive	1.24

Features

- Hard point saw with substantially thicker blade which results in less power-consuming side vibrations
- Bevel ground teeth on thick blade for height precision and straight cutting with exceptionally good stability
- Screwed, one piece two-component Ergo® handle
- Handle placement provides even distribution of power along the tooth line
- Comes with reusable plastic patented tooth protector



2700-24-XT7-HP-TH



319-TH

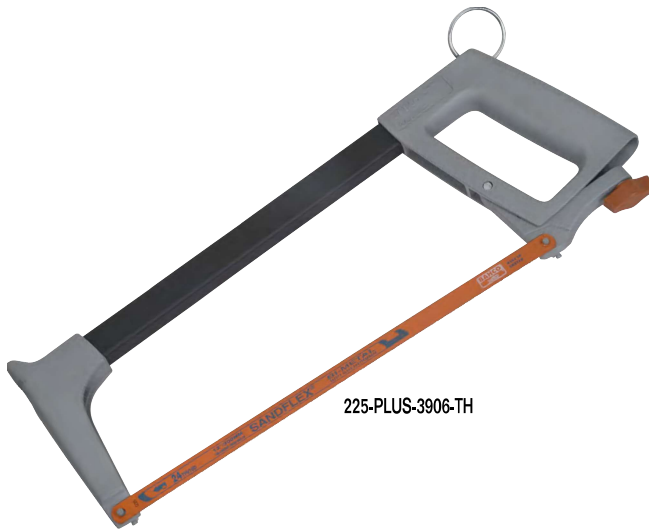
TOOLS@HEIGHT™ PROFESSIONAL HAND HACKSAW

Non-Slip Handles Ensures a Solid and Secure Grip.

Product Code	Description	Blade Length (Inches)	Weight (lbs)
319-TH	Professional Hand Hacksaw	12	1.26

Features

- Alternative 55° blade mounting for flush cutting
- Offers a strong steel frame that is covered with a protective dual component plastic
- Comfortable, non-slip back handle and front grip ensures a solid, secure grip
- Tension mechanism is fully integrated into the handles so there is no obstruction during use
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



225-PLUS-3906-TH

TOOLS@HEIGHT™ TRADITIONAL HAND HACKSAW

Heavy Duty Frame with Blade Storage

Product Code	Description	Blade Length (Inches)	Weight (lbs)
225-PLUS-3906-TH	Traditional Hand Hacksaw	12	1.48

Features

- Allows very high blade tension for accurate and fast cuts
- Strong rectangular back section for blade storage with easy-to-handle retaining screws
- Can also be used as a compass saw
- Alternative 55° blade mounting for flush cutting
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI.



JHW40000-TH

TOOLS@HEIGHT™ GASKET SCRAPER

Bi-Mold Comfort Grip Handle

Product Code	Blade Length (Inch)	Overall Length	Blade Width	Weight (lbs)
JHW40000-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.

TOOLS@HEIGHT™ 6 PIECE ENGINEERING FILE SET

Product Code	Description
1-476-04-3-2-TH	6 Piece Engineering File Set

Plastic Handled Files

Contents Include:

Description	Length (Inch)	Type of Cut	Weight (lbs)
Hand Smooth	4	Smooth	.15
Warding Smooth	4	Smooth	.15
Square Smooth	4	Smooth	.15
Three Square Smooth	4	Smooth	.15
Half Round Smooth	4	Smooth	.15
Round Smooth	4	Smooth	.15

Features

- Files are smooth, double cut and designed for the fine filing and polishing applications
- Supplied with pouch
- For use with optional THUNIRET1A Retractable Lanyard



1-476-04-3-2

TOOLS@HEIGHT™ MILL FILE (USA TYPE)-TWO FLAT EDGES

Engineering File With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut	Weight (lbs)
1-143-08-1-2-TH	8	$\frac{25}{32}$	$\frac{1}{8}$	44	Bastard	.31

Features

- Surfaces and edges are single cut
- Suitable for engineering and sharpening file applications
- Can be used for polishing and deburring work in lathes
- Widely used for sharpening tools and implements such as spades, shovels, hoes, scrapers, etc.



1-143-08-1-2-TH

TOOLS@HEIGHT™ ROUND FILE

Engineering File With Bi-Molded ERGO® Handle

Product Code	Length (Inch)	Width (Inch)	Height (Inch)	Teeth Per Inch (TPI)	Type of Cut	Weight (lbs)
1-230-08-2-2-TH	8	$\frac{5}{16}$	-	36	Second	.25

Features

- Regularly used for filing holes, large fillets and concave surfaces.
File is tapered to a point and has a double cut.



1-230-08-2-2-TH



2535L-TH

TOOLS@HEIGHT™ MAGNETIC PICK-UP TOOL WITH LIGHT

Product Code	Description	Extended Length (Inches)	Weight (lbs)
2535L-TH	Magnetic Pick-up Tool with Light	30	.23

Features

- Wide area lighting
- Soft grip handle
- Powerful magnetic tip
- Pick-up weight is 1 1/4 pounds



JHWGS-1-TH



JHWGS-3-TH

TOOLS@HEIGHT™ FEELER GAUGE SET

Heavy Duty Machine Shop Tools

Product Code	Description	Thickness	Number of Blades	Weight (lbs)
JHWGS-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

Product Code	Description	Thickness	Number of Blades	Weight (lbs)
JHWGS-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



JHW28201-TH



JHW28203-TH



JHW28205-TH

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)
JHW28201-TH	Left	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
JHW28203-TH	Right	9 3/4	1 3/8	18 ga.CR / 22 ga.SS	.93
JHW28205-TH	Straight	9 13/16	1 1/2	18 ga.CR / 22 ga.SS	.96

Features

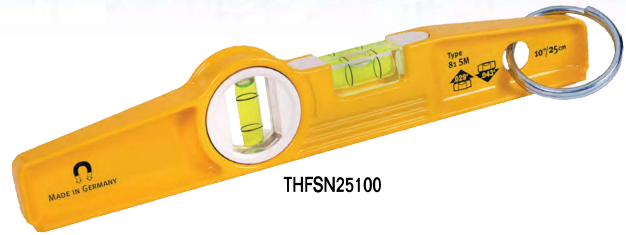
- Color-coded handles help quickly identify the cutting direction
- Bi-mold handles provide comfortable grip, reduces hand fatigue
- Meet ANSI and DIN standards

TOOLS@HEIGHT™ TORPEDO LEVEL

Product Code	Description
THFSN25100	10" Magnetic Torped Level

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



THFSN25100

TOOLS@HEIGHT™ TAPE MEASURE

Construction Grade Tape Rule

Product Code	Blade Length (Width and Length Inch)	Weight (lbs.)
JHWTM25X1-TH	1 x 25	0.85
JHWTM16X1-TH	1 x 16	1.00

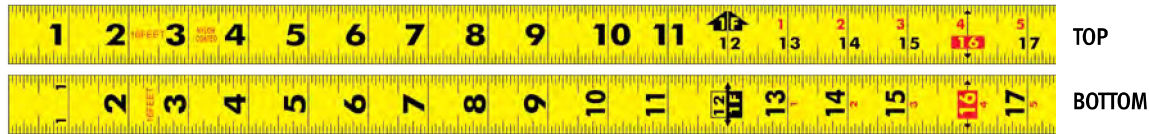
Features

- Measurements on both sides of the blade
- Auto lock feature
- Triple riveted stainless steel magnetic hook on the end of the blade



JHWTM16X1-TH

Measurements on both sides of the blade



TOP

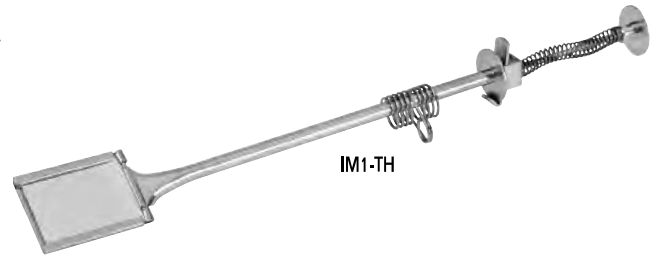
BOTTOM

TOOLS@HEIGHT™ INSPECTION MIRROR

Product Code	Description
IM1-TH	Tools@Height Tether-Ready Inspection Mirror

Features

- Installed safety-coil can be tethered to prevent dropping
- Hinged rectangular glass mirror
- Mirror is 1-3/16" x 1-1/2"



IM1-TH

TOOLS@HEIGHT™ GREASE GUN

Product Code	Description
THYA728A	Tools@Height Tether-Ready Grease Gun

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



THYA728A



DR1X3.5-10PK
Max Load: 5 pounds



DR5X22510PK
Max Load: 2 pounds



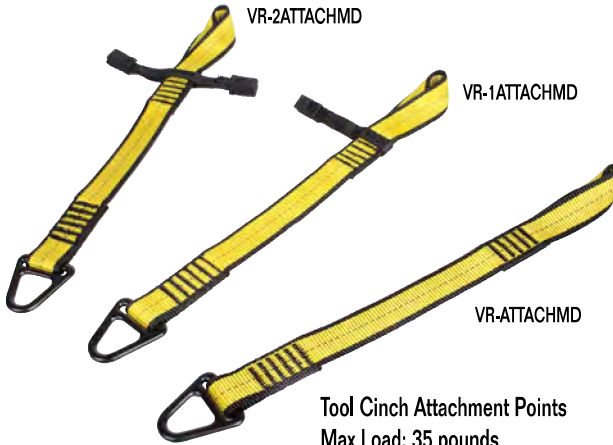
DR5X225NC10PK
Max Load: 2 pounds

D-RINGS

Product Code	Description	Quantity
DR5X22510PK	D-Ring 0.5" X 2.25"	10
DR5X225100PK	D-Ring 0.5" X 2.25"	100
DR5X225NC10P	D-Ring 0.5" X 2.25" Non-Conductive	10
DR5X225NC100	D-Ring 0.5" X 2.25" Non-Conductive	100
DR1X3.5-10PK	D-Ring 1" X 3.5"	10
DR1X3.5-50PK	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 (DR5X225NC10PK)
- Third-party load rated for 5 pounds and 2 pounds



Tool Cinch Attachment Points
Max Load: 35 pounds

TOOL CINCH ATTACHMENTS

Product Code	Description	Quantity
VRATTMD10PK	Tool Cinch Medium Duty	10
VR1ATTMD10PK	Tool Cinch Single Wing Medium Duty	10
VR2ATTMD10PK	Tool Cinch Dual Wing Medium Duty	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.



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
QSPCOIL-10PK	0.3	No Rated	10
QS-PM-10PK	0.5	No Rated	10
QSPMCOIL10PK	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)

QUICK WRAP TAPE

Product Code	Length (Inches)	Width (Inches)	Color	Quantity
QWHDBLU110PK	108	1	Blue	10
QWHDYLW110PK	108	1	Yellow	10

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.



QW-HDYLW1

HEAT SHRINK

Product Code	Length (Inches)	Diameter (Inches)	Quantity
PYT1500019	1.75	0.75	25
HS1X175-25PK	1.75	1	25
HS1.5X2-25PK	2	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



Tape is always used with D-Rings and cinches.
Heat Shrink is added to make a more durable surface

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



DR-CORD

MICRO D-RING

Product Code	Quantity
DR-MICRO10PK	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.



EXT-C2LCOIL (see page 92)

Phone not included.



DR-MICRO