

SAFETY AND PRODUCTIVITY

At Snap-on®, we know that safety AND productivity are critical to your company's efficiency and profitability. We also recognize that lost 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.



5

LEAVE IT TO THE EXPERTS -
Snap-on® will work with you to determine your drop prevention needs and provide a complete system to help your workers work safely and efficiently.



4

RETAIN CONTROL -
Our modular approach allows you to configure tools and holsters to your needs.



SAVE TIME AND MONEY -
Engineered attachment points don't interfere with the functionality of the tools.



1

2

BEAT THE STATISTICS -
About 70% of drops happen during the exchange of the lanyard from one tool to another. The Snap-on® Tools@Height System™ tethers each tool with its own lanyard, minimizing exchanges and reducing the likelihood of drops.

3



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™



NOT JUST TETHERS. LIFELINES.

When professionals use tools at height, bad things can happen: tools can drop into hardware, engines and machinery. What's more, people can get hurt – or worse. That's why Snap-on® designed Tools@Height™, a tethered tool program for applications involving work being performed at height, and anywhere else dropped or lost objects are a concern. In the industry's most comprehensive drop prevention program, all tools are engineered with a tethered system to maintain or enhance the tools' functionality, when used at height or near critical assemblies. And, the Tools@Height™ program offers tools for both high- and low-level uses. It's one more way Snap-on® keeps strong ties with the professionals.

TAKING SAFETY MEASURES TO THE HIGHEST LEVELS.

ENGINEERED ATTACHMENT POINTS

Carefully placed attachment points are designed and tested to maintain the functionality of the tools.

SAFETY INNOVATIONS

Four holes are better (and safer) than one. Snap-on® Tools@Height™ sockets, extensions, and adaptors feature a locking hole on all four sides, not just one. Snap-on® Tools@Height™ ratchets and drive tools feature a locking pin which mates with the side lock hole for positive retention. Typical competitor's sockets with just one side hole have increased risk of falling apart. Snap-on® Tools@Height™ assortment helps reduce the risk of damage to assemblies you are working on and – more importantly – people you are working with.

A TURNKEY SOLUTION

From individual tools to custom-designed kits, we'll help create the systems you need, then ship the assembled components that are ready to work upon arrival.

DROP PREVENTION TRAINING

Snap-on® Account Managers have the knowledge and experience to train your employees on the safe and effective use of tethered tools.

LOWER IMPLEMENTATION COST

Tools@Height™ drop prevention can be implemented for only a portion of the cost of in-house systems. Standardized placement of tethering attachments alleviate the need for additional training.





TOOLS@HEIGHT™ DROP PREVENTION SYSTEM MASTER KIT



THKITUS1000

Snap-on® Tools@Height™ Drop Prevention System Master Kit THKITUS1000

Our master kit provides a great selection of tools with engineered attachment points to help you work safely and productively wherever drop prevention is needed. No mechanical, maintenance or electrical job is too big for this kit. This complete kit includes Snap-on® wrenches and square drive tools in both fractional and metric sizes. It also includes a lift bag, tool pouch, small parts bag, tool belt and loops, and all of the lanyards you will need to operate safely and effectively.

Set cabinetry and components are subject to change and may not be exactly as illustrated.

- See the complete list of contents on pages N282-N283
- Engineered attachment points maintain or enhance tethered tools functionality, so you are productive and safe
- The kit is organized in **KRA4107** roll cab and **KRA4114** top chest
- Tool control foam keeps the kit organized, and inventory can be taken with a glance
- A large selection of tools help you perform mechanical and maintenance jobs
- 1000V tools help you perform electrical work safely on systems up to 1000VAC and 1500VDC



THKITUS500B

Tools@Height™ Drop Prevention System General Purpose Kit

THKITUS500B

Our general-purpose kit provides a great selection of tools with engineered attachment points to help you work safely and productively wherever drop prevention is needed. No mechanical or maintenance job is too big for this kit. This kit includes Snap-on® wrenches and square drive tools in both SAE® and metric sizes. It also includes a lift bag, tool pouch, small parts bag, tool belt and loops, and all of the lanyards you will need to operate safely and effectively

- See the complete list of contents on pages N284-N285
- Engineered attachment points maintain or enhance tethered tools functionality so you are productive AND safe
- Kit is organized in KRA4107 roll cab
- Tool control foam keeps the kit organized and inventory can be taken with a glance
- A large selection of tools help you perform mechanical and maintenance jobs

WARNING



- Do not open more than one loaded drawer at a time
- Keep children away
- Close lid, lock drawers and doors before moving
- Apply brakes on locking casters when not moving unit
- Do not step in or on drawers
- Secure units together with fasteners
- Do not pull; push to move
- Wear gloves when lifting by edges
- Keep feet and fingers clear of edges when stacking, hanging, or moving units
- Read additional safety precautions on pages W1 to W4

TOOLS@HEIGHT™ SETS



THKIT-EL500B

Snap-on® Tools@Height™ Drop Prevention System Master Kit

THKIT-EL500B

Our 1000v electrical kit provides a great selection of tools with engineered attachment points to help you work safely and productively wherever drop prevention is needed. No electrical job is too big for this kit. This complete kit includes open and box end wrenches, hex wrenches, screwdrivers, pliers and cutters, saws, and a digital multimeter with inspection pouch. It also includes a lift bag, tool pouch, small parts bag, tool belt and loops, and all of the lanyards you will need to operate safely and effectively

- See the complete list of contents on page N285
- Engineered attachment points maintain or enhance tethered tools functionality so you are productive and safe
- Kit is organized in KRA4114 top chest
- Tool control foam keeps the kit organized and inventory can be taken with a glance
- 1000V tools help you perform electrical work safely on systems up to 1000VAC and 1500VDC

Hub Hatch Tools for Wind Power Technicians

- Wind technicians can attach the carabiner to their climbing harness before they climb out on top of the turbine to access the hub hatch

- Once hatch fasteners are removed, the technician simply allows the retractor to bring the tool back up out of their way as they continue to work



PALMRATHHTGE

PALMRATHHTGE Hub Hatch Tool

- For GE® 1.5mw turbines

Kit Includes: THPALMRAT palm ratchet, THFAM14E 14mm hex driver, and THUNIRET2 retractor with 2lb capacity and universal loop end



PALMRATHHTVS

PALMRATHHTVS Hub Hatch Tool

- For Vestas® V82 turbines

Kit Includes: THPALMRAT palm ratchet, THPP410A pipe plug socket, and THUNIRET2 retractor with 2lb capacity and universal loop end

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Kits come assembled and include tools shown below. 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.



Safe, Secure, and Customizable

- 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
- 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



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read safety precautions on pages W1 to W4

SCAFFOLD WRENCHES



THSA936A

Scaffold Building Kit with Snap-on® THSA936A Plastic Hammer Head Scaffold Wrench

Stock No.	Description	Size
THSCAFFS0SA	Scaffold Building Kit w/ Snap-on® THSA936A Plastic Hammer Head Scaffold Wrench	Small
THSCAFFS0MA		Medium
THSCAFFS0LA		Large
THSCAFFS0XLA		X-Large

Individual Tethered Tools for Scaffold Building Kits with Snap-on® Ratchet

Stock No.	Description
THSA936A	Scaffold Ratchet
THFSNE3-22SM	Scaffold Hammer
THFSN25100	Stabila 10" Torpedo Level
THTPMA25EM	Tape Measure
THGAJ10A	10" Adjustable Wrench - Tethered
TH59AHLF	Lineman's Pliers



JHWBS-63B

Scaffold Building Kit with Williams® JHWBS-63B Bronze Hammer Head Scaffold Wrench

Stock No.	Description	Size
THSCAFFWSA	Scaffold Building Kit with Williams® JHWBS-63B Bronze Hammer Head Scaffold Wrench	Small
THSCAFFWMA		Medium
THSCAFFWLA		Large
THSCAFFWXLA		X-Large

Individual Tethered Tools For Scaffold Building Kits with Williams® Ratchet

Stock No.	Description
THFSNE3-22SM	Scaffold Hammer
THFSN25100	Stabila 10" Torpedo Level
THTPMA25EM	Tape Measure
THGAJ10A	10" Adjustable Wrench - Tethered
TH59AHLF	Lineman's Pliers
JHWBS-63B	Scaffold Ratchet



Set cabinetry and components are subject to change and may not be exactly as illustrated.



Pipefitter's Foreman's Toolkit MTSLAS50R10

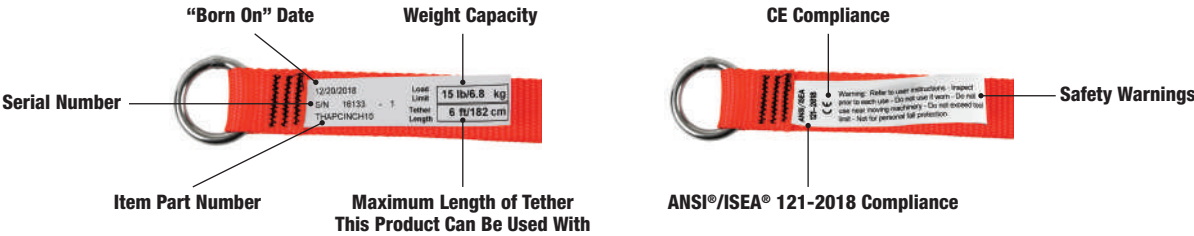
The right selection of tools, including 14 sockets, 5 combination wrenches, 4 pinch bars, 3 heavy-duty ratchets, 2 drilling hammers, and 2 hex key sets, incorporates engineered attachment points, and field-tested lanyards for safety and productivity for pipefitters working at height.



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read and follow all specific instructions
- Read safety precautions on pages W1 to W4

LANYARDS

Improved Label Information



Lanyards

Stock No.	Description	Load Rating lbs (kgs)	Extension Length inches	Retracted Length inches	Qty.
PYT1500050	Carabiner to Loop Web Lanyard, Medium Duty	35 (16)	72	N/A	1
PYT1500049	Carabiner to Loop Bungee Lanyard, Medium Duty	35 (16)	49	30	1
THCARA30A	SST Carabiner to Carabiner Bungee Lanyard, Medium Duty	30 (14)	40	18	1
THCARA25A	SST Carabiner to Carabiner Bungee Lanyard, Medium Duty	25 (11)	124	37-45	1
THCARA257FTB	SST Carabiner to Carabiner Bungee Lanyard, Medium Duty	25 (11)	78	32	1
THCARA15SL	SST Carabiner to Carabiner Bungee Lanyard, Standard Duty	15 (7)	47	27	1
THUNI25A	SST Carabiner to Loop Bungee Lanyard, Standard Duty	15 (7)	50	30	1



THCARA257FR



THCARA257A



THUNI15SL



THUNI5SL



THL2A



THL1A

Lanyards and Anchor Straps

Stock No.	Description	Weight Rating	Extension Length inches	Retracted Length inches	Qty
THCARA257FR	Lanyard with 2 - SST Carabiners	25 lbs.	78"	32"	1
THCARA257A	25 lb Lanyard 2SST Carabiner 7'	25 lbs	78"	32"	1
THUNI15SL	Lanyard - Loop to Self-Locking Carabiner	15 lbs	48"	27"	1
THUNI5SL	Lanyard Web Loop, 5 lb	15 lbs	53"	33"	1
THL1A	Universal Tether with Carabiner and Loop	5 lbs	14"	N/A	1
THL2A	Universal Tether with 2 SST Carabiners	5 lbs	14"	N/A	1



WARNING



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not exceed load rating
- Read safety precautions on pages W1 to W4

TETHERS



Coil Tethers

Stock No.	Description	Load Rating lbs (kgs)	Extension Length inches	Retracted Length inches	Qty
PYT1500059	Clip to Clip Tether, Personal Duty	2 (1)	44"	9"	10
PYT1500060	Clip to Side Release Loop Tether, Personal Duty	2 (1)	45.25"	10"	10
PYT1500062	Clip to Loop Hard Hat Tether, 100pk	2 (1)	44-1/2"	12"	1
PYT1500065	Carabiner to Quick Ring Tether, Personal Duty	2 (1)	65.5"	25"	10
PYT1500066	Carabiner to Quick Ring Tether, Personal Duty	2 (1)	65.5"	25"	1
PYT1500067	Trigger to Trigger Tether, Personal Duty	5 (2)	30"	9"	10
PYT1500068	Trigger to Trigger Tether, Personal Duty	5 (2)	30"	9"	10
PYT1500159	2 Carabiner Coil Tether with Swivel	5 (2)	67.5"	16.5"	10
PYT1500160	Safe Bucket Hook and Loop	250 (113)	N/A	N/A	100



Retractable Tethers

Stock No.	Description	Load Rating lbs (kgs)	Extension Length inches	Retracted Length inches	Qty
THUNIRET2A	2 LB Retractable Lanyard	2 (1)	42"	17"	1
THRET2CLIPSA	Disconnectable Clips/Loop for THUNIRET2A, 10pk	2 (1)	N/A	8"	10
THUNIRET1A	Self Flushing Retractable Tether with Disconnectable Loop	1 (.5)	36"	14"	1
THRET1CLIPSA	Disconnectable Clips/Loop for THUNIRET1A and THWSRET1A, 10pk	1 (.5)	N/A	7-3/4"	10
THWSRET1A	Personal Duty Retractable Tether	1 (.5)	49"	10"	1
THUNI5CLIPSA	Disconnectable Clips/Loop, 10 Pack	5 (2)	N/A	-	10
THUNIRET3.5	3.5 LB Retractable Lanyard	3.5 (1.5)	55"	11.75"	1

Hard Hat Tethers

- 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

Stock No.	Weight Rating	Retracted Length inches	Extension Length inches
THHARDHAT1	1 lb 2 oz	N/A	16"
THHARDHAT2	1 lb 2 oz	N/A	14"



THHARDHAT1



THHARDHAT2

Pullaway Wristbands

- Designed so that they can be escaped from in emergency situations
- Feature an elastic strap that conform to the users wrist size automatically

Stock No.	Size	Load Rating, lbs. (kg)	Qty
PYT1500071	Small	5 (2)	10
PYT1500073	Medium	5 (2)	10
PYT1500079	Slim / Medium	5 (2)	10
PYT1500081	Slim / Large	5 (2)	10



THWSNC



PYT1500083



PYT1500085



PYT1500087

Adjustable Wristbands

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

Stock No.	Load Rating lbs (kgs)	Qty
THWSNC	5 (2)	1
PYT1500083	5 (2)	10
PYT1500087	1.5 (.7)	10
THWSRET1A	1 (.5)	1
THWS1A	5 (2)	1



THWSRET1A



THWS1A

Tools not included with Wristbands



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not exceed load rating
- Read safety precautions on pages W1 to W4

HOLSTERS



PYT1500089



PYT1500091



PYT1500094



PYT1500103



PYT1500105



PYT1500107



PYT1500108



PYT1500095



PYT1500096



PYT1500100



PYT1500069

Tool Holsters

Stock No.	Description
PYT1500088†	Adjustable Radio Holster
PYT1500089	Adjustable Radio Holster Combo (Includes EXT-C2LCOIL)
PYT1500091	Bottle / Spray Can Holster
PYT1500092	Bottle / Spray Can Holster Combo (Includes EXT-C2CCOIL)
PYT1500093	Hammer Holster Belt
PYT1500094	Hammer Holster Combo (Includes EXT-H2QRCOIL)
PYT1500101	Single Tool Belt Holster
PYT1500103	Single Tool Harness Holster

Stock No.	Description
PYT1500105	Extra-Deep Single Tool Holster
PYT1500106	Dual Tool Belt Holster
PYT1500107†	Dual Tool Holster Pouch w/2 Retractors
PYT1500108	Dual Tool Harness Holster
PYT1500095†	Measuring Tape Pouch w/Retractor
PYT1500096†	Scaffold Wrench Holster Belt with Retractor
PYT1500098†	Tape Measure Holster with Retractor
PYT1500099†	Tape Measure Sleeve
PYT1500100	Tape Measure Holster with Retractor Combo (Includes HOL-TAPESLEEVE)
PYT1500069	52" Steel Cable Retractor with Polycarbonate Body

* Lanyards not included with Tool Holsters unless otherwise stated.

** Tools not included with Tool Holsters.

†Patent Pending

Small Parts Pouch

- 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 convenient for extra storage space

Stock No.	Description
PYT1500119	Small Parts Pouch - Canvas Black
PYT1500120	Small Parts Pouch - Canvas Camo
PYT1500121	Small Parts Pouch - Canvas Orange
PYT1500122	Small Parts Pouch - Vinyl Yellow
PYT1500123	Small Parts Pouch Extra-Deep - Canvas Black



PYT1500120

Utility Pouch

PYT1500132

- 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



PYT1500132

Inspection Pouch

PYT1500131

- Designed for the safe transport and use of most multi-meters, air monitors, and other portable testing devices
- Three tool pockets inside the pouch are perfect for tools and testing probes
- Tools can be tied off to a D-ring inside the pouch, or a D-ring located on either side of the back of the pouch
- Designed to be worn off the belt or over the shoulder strap (shoulder strap included)



PYT1500131

Tool Pouches

Stock No.	Description
PYT1500126	Tool Pouch with D-Ring and Triggers
PYT1500127	Extra Deep Tool Pouch with D-Ring
PYT1500128	Extra Deep Tool Pouch with D-Ring and Retractors

THCATA15SL
SOLD SEPARATELY



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read safety precautions on pages W1 to W4

TOOL BELTS / BELT LOOPS



PYT1500110

Comfort Tool Belts

- 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

Stock No.	Description	Waist Size inches
PYT1500110	Comfort Belt S-M	28" - 36"
PYT1500111	Belt L-XL	36" - 44"



PYT1500113

Utility Belts

- Features a high strength grommet closure system with padding inside two layers of Cordura® that provides for durability and comfort

Stock No.	Waist Size inches
PYT1500113	28" - 46"
PYT1500114	40" - 54"



PYT1500116



PYT1500118



THBL1

Belt Loops

- Compatible with all tool belts above
- Attachment creates an instant attachment point that is third-party load-rated for 5 lbs.
- Creates an instant staging point that is third-party load-rated for 5 lbs.
- 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

Stock No.	Description	Load Rating, lbs. (kg)	Qty
PYT1500116	Belt Loop D-Ring	5 (2)	1
PYT1500118	Belt Loop Trigger	5 (2)	10
THBL1	Belt Loop with Loading Ring	5 (2)	1

Safe Buckets

- 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
- Protective leather sleeve covers the inserts that are resilient to the elements and harsh work environments
- 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
- Equipped with a high-quality and lightweight aluminum twist-lock carabiner load rated for 30 kN (6,700 lbs); No need to worry about a knot failing, or a non-locking carabiner which may slip off a connection point
- 15 inches tall and have a 12.5-inch diameter



PYT1500134



PYT1500139

Stock No.	Description	Closure System	Body Material	Load Rating lb (kg)
PYT1500134	Lift Bucket 100lb Canvas H/L	Hook and Loop	Canvas	100 (45)
PYT1500133	Canvas Lift Bucket w/ Drawstring Closure, 100lb Capacity	Drawstring	Canvas	100 (45)
PYT1500140	Vinyl, Hook and Loop Bucket	Hook and Loop	Vinyl	250 (113)
PYT1500139	Vinyl, Drawstring Bucket	Drawstring	Vinyl	250 (113)

Bucket Insert with Pockets

PYT1500141

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

Tools not included



PYT1500141

Extra Deep Safe Buckets

- Hook and loop closure system allows for the safe transport of scaffold poles and large tools, like torque wrenches
- Available in three different lengths
- Third-party load rated for 100 lbs.
- Heavy-duty webbing hoisting strap comes with a built in twist-lock aluminum carabiner for lifting

Stock No.	Length inches	Load Rating lb (kg)
PYT1500136	48	100 (45)
PYT1500137	72	100 (45)



PYT1500136



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read and follow all specific instructions
- Read safety precautions on pages W1 to W4

RATCHETS & HANDLES

1/4" Drive



1/4" Drive Tools@Height™ Ratchets & Accessories

Stock No.	Description	Overall Length, inches	Repair Kit	Weight, lb (kg)
THPRT	Pin Release Tool	-	-	-
THRKRT7272LB	Drive gear and screws to retrofit existing 72 ratchets models	N/A	-	0.2 (0.09)
THT72	Ratchet, Sealed Head (High Strength), Standard Handle	4-7/16	THRKRT72LB	0.20 (0.09)
THTFY72	Ratchet, Hi-Lok®, Flex Head	6 1/4	-	0.30 (0.14)
THTHL72	Ratchet, Sealed Head (High Strength), Long Handle, Soft Grip, Red	6-7/8	THRKRT72LB	0.45 (0.2)
THTHLF72	Ratchet, Sealed Head, Long Flex Head, Soft Grip, Red	8-1/4	THRKRT72LB	0.52 (0.24)
THTKN72	Ratchet, Round Head, Short Handle	3-1/16	RKRTHNF72	0.28 (0.13)
THTL72	Ratchet, Sealed Head (High Strength) Long Handle	6-1/2	THRKRT72LB	0.24 (0.11)
THM77	Adaptor, Ratcheting	1-5/8	-	0.12 (0.05)
THMRT8	Ratcheting Driver	8-31/32	-	0.25 (0.11)
THMRT8	Ratcheting Driver, T-Handle	10	-	0.60 (0.27)
THTMS70A	Spinner, Ratchet	7/8	-	0.06 (0.03)



1/4" Drive Handles

Stock No.	Description	Overall Length, inches	Weight lb (kg)
THM10G	Breaker Bar	6	0.18 (0.08)
THM62B	Driver, Flexible, Standard Cable, Standard Handle	6-3/4	0.20 (0.09)
THM65	Adjusting Tool, Flexible	19-3/4"	0.50 (0.23)
THT9TURBO	T-Handle, Turbo Speed (Blue-Point®)	9-3/16"	0.70 (0.32)

EXTENSIONS & SOCKETS

1/4" Drive

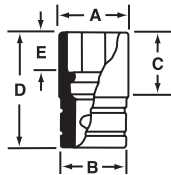


1/4" Drive Tools@Height™ Extensions & Accessories

Stock No.	Description	Overall Length, inches	Weight lb (kg)
THTA3	1/4" Female x 3/8" Male Adaptor	15/16	0.05 (0.02)
THTMX1	Extension	1	0.03 (0.01)
THTMU8B	Universal Joint	1-5/16	0.04 (0.02)
THTMXM114	Adaptor, Magnetic, 1/4" Internal Drive	1-17/32	0.04 (0.02)
THTMXM17	Adaptor, Magnetic, 1/4" Internal Drive	1-21/32	0.04 (0.02)
THTMXK2	Knurled Extension	2	0.06 (0.03)
THTMXK4	Knurled Extension	4	0.10 (0.05)
THTMXK60	Knurled Extension	6	0.14 (0.06)
THTMXK80	Knurled Extension	8	0.17 (0.08)
THTMXK110	Knurled Extension	11	0.25 (0.11)
THTMXK140	Knurled Extension	14	0.30 (0.14)
THTMX240	Extension	24	0.73 (0.33)



THTMMD14



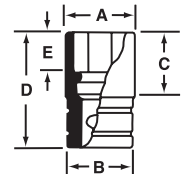
Shallow, mm

mm	12	A	B	C	D	E	Weight lbs (kg)
5	THTMMD5	7.7	12.1	13.3	22.2	4.3	0.023 (0.01)
5.5	THTMMD5.5	8.3	12.1	13.3	22.2	4.6	0.02 (0.01)
6	THTMMD6	9.3	12.1	13.3	22.2	5.6	0.02 (0.01)
7	THTMMD7	10.5	12.1	13.3	22.2	6.1	0.02 (0.01)
8	THTMMD8	11.5	12.1	13.3	22.2	7.4	0.02 (0.01)
9	THTMMD9	12.7	12.1	13.3	22.2	7.4	0.024 (0.01)
10	THTMMD10	13.2	13.2	13.3	22.2	7.4	0.05 (0.02)
11	THTMMD11	15.2	14.6	13.3	22.2	9.4	0.065 (0.03)
12	THTMMD12	16.5	15.6	13.3	22.2	9.4	0.04 (0.02)
13	THTMMD13	17.6	16.7	13.3	22.2	9.4	0.05 (0.02)
14	THTMMD14	18.8	17.8	14.1	22.2	9.7	0.05 (0.02)

*Conventional hex



THTM16



Shallow, inches

11	6	12	A	B	C	D	E	Weight lbs (kg)
1/8	THTM04	—	7/32	7/16	1/2	7/8	1/8	0.02 (0.01)
5/32	THTM05	—	9/32	15/32	1/2	7/8	5/32	0.021 (0.01)
3/16	THTM6*	THTMD6*	9/32	15/32	1/2	7/8	5/32	0.022 (0.01)
7/32	THTM7*	THTMD7*	11/32	15/32	1/2	7/8	3/16	0.02 (0.01)
1/4	THTM8	THTMD8	3/8	15/32	1/2	7/8	7/32	0.02 (0.01)
9/32	THTM9	THTMD9	13/32	15/32	1/2	7/8	1/4	0.02 (0.01)
5/16	THTM10	THTMD10	15/32	15/32	1/2	7/8	9/32	0.03 (0.01)
1-1/32	THTM11	THTMD11	1/2	15/32	5/16	7/8	9/32	0.025 (0.01)
3/8"	THTM12	THTMD12	17/32	1/2	1/2	7/8	9/32	0.03 (0.01)
7/16"	THTM14	THTMD14	19/32	9/16	1/2	7/8	3/8	0.03 (0.01)
1/2"	THTM16	THTMD16	11/16	21/32	1/2	7/8	3/8	0.05 (0.02)
9/16"	THTM18	THTMD18	25/32	23/32	1/2	29/32	3/8	0.06 (0.03)

*Conventional hex



Competitor socket



Snap-on® socket



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

Release pin with THPRT – Pin Release Tool for Square Drive Tools

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

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

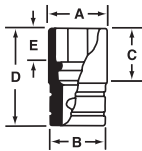


SOCKETS

1/4" Drive



THTMDS14



Semi Deep, mm

mm	12	A	B	C	D	E	Weight, lb (kg)
5	THTMDS5*	7.7	12.1	22.9	31.8	5.1	0.03 (0.01)
5.5	THTMDS5.5	8.3	12.1	22.9	31.8	5.3	0.03 (0.01)
6	THTMDS6	9.3	12.1	22.9	31.8	5.8	0.03 (0.01)
7	THTMDS7	10.5	12.1	22.9	31.8	6.1	0.05 (0.02)
8	THTMDS8	11.5	12.1	18.4	31.8	6.9	0.40 (0.18)
9	THTMDS9	12.7	12.1	18.4	31.8	7.4	0.045 (0.02)
10	THTMDS10	14	13.2	18.4	31.8	7.4	0.05 (0.02)
11	THTMDS11	15.4	14.6	18.4	31.8	9.4	0.06 (0.03)
12	THTMDS12	16.5	15.6	18.4	31.8	9.4	0.06 (0.03)
13	THTMDS13	17.6	16.7	18.4	31.8	9.4	0.08 (0.04)
14	THTMDS14	18.8	17.8	18.4	31.8	9.7	0.08 (0.04)
15	THTMDS15	20.4	19.4	18.4	31.8	9.7	0.10 (0.05)

*Conventional hex



THSTMD14

Deep, mm

mm	12	A	B	C	D	E	Weight lb (kg)
5	THSTMD5*	7.7	12.1	42.2	50.8	5.1	0.05 (0.02)
5.5	THSTMD5.5	8.3	12.1	42.2	50.8	5.3	0.04 (0.02)
6	THSTMD6	9.3	12.1	42.2	50.8	5.8	0.05 (0.02)
7	THSTMD7	10.5	12.1	42.2	50.8	6.1	0.05 (0.02)
8	THSTMD8	11.5	12.1	42.2	50.8	6.9	0.05 (0.02)
9	THSTMD9	12.7	12.1	38.1	50.8	7.4	0.06 (0.03)
10	THSTMD10	14	13.2	38.1	50.8	7.4	0.075 (0.03)
11	THSTMD11	15.2	14.6	38.1	50.8	9.4	0.09 (0.04)
12	THSTMD12	16.5	15.6	38.1	50.8	9.4	0.10 (0.05)
13	THSTMD13	17.6	16.7	38.1	50.8	9.4	0.18 (0.08)
14	THSTMD14	18.8	17.8	38.1	50.8	9.7	0.12 (0.05)

*Conventional hex



THTMUM13A

Shallow Universal, mm

mm	12	A	B	D	E	Weight lb (kg)
5	THTMUM5A	8.1	12.7	29.2	3.3	0.05 (0.02)
6	THTMUM6A	9.6	12.7	29.7	3.8	0.04 (0.02)
7	THTMUM7A	10.7	12.7	30.5	4.3	0.04 (0.02)
8	THTMUM8A	11.8	12.7	30.5	4.8	0.04 (0.02)
9	THTMUM9A	12.7	12.7	31.2	4.8	0.10 (0.05)
10	THTMUM10A	14	12.7	32.5	5.8	0.04 (0.02)
12	THTMUM12A	16.5	12.7	34.5	6.9	0.05 (0.02)
13	THTMUM13A	17.3	12.7	36.8	7.6	0.05 (0.02)

Semi Deep, inches



THTMDS16

11	12	A	B	C	D	E	Weight lb (kg)
3/16	THTMDS6*	5/16	15/32	29/32	1 1/4	7/32	0.03 (0.01)
7/32	THTMDS7*	11/32	15/32	29/32	1 1/4	7/32	0.03 (0.01)
1/4	THTMDS8	3/8	15/32	29/32	1 1/4	1/4	0.03 (0.01)
9/32	THTMDS9	13/32	15/32	23/32	1 1/4	1/4	0.03 (0.01)
5/16	THTMDS10	15/32	15/32	23/32	1 1/4	9/32	0.04 (0.02)
1-1/32	THTMDS11	1/2	15/32	23/32	1 1/4	5/16	0.04 (0.02)
3/8"	THTMDS12	9/16	1/2	23/32	1 1/4	5/16	0.055 (0.02)
7/16"	THTMDS14	5/8	19/32	23/32	1 1/4	3/8	0.05 (0.02)
1/2"	THTMDS16	11/16	21/32	23/32	1 1/4	3/8	0.99 (0.45)
9/16"	THTMDS18	3/4	23/32	23/32	1 1/4	3/8	0.085 (0.04)

*Conventional hex



THSTMD16

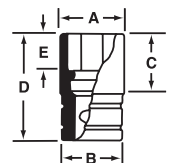
Deep, inches

11	6	12	A	B	C	D	E	Weight lb (kg)
3/16	THSTMD6*	THSTMD6*	5/16	15/32	1 21/32	2	3/16	0.04 (0.02)
7/32	THSTMD7*	THSTMD7*	11/32	15/32	1 21/32	2	7/32	0.04 (0.02)
1/4	THSTMD8	THSTMD8	3/8	15/32	1 21/32	2	7/32	0.04 (0.02)
9/32	THSTMD9	THSTMD9	13/32	15/32	1 21/32	2	1/4	0.05 (0.02)
5/16	THSTMD10	THSTMD10	15/32	15/32	1 21/32	2	7/32	0.06 (0.03)
1-1/32	THSTMD11	THSTMD11	1/2	15/32	1 21/32	2	9/32	0.05 (0.02)
3/8"	THSTMD12	THSTMD12	17/32	9/16	1 21/32	2	9/32	0.10 (0.05)
7/16"	THSTMD14	THSTMD14	5/8	9/16	1 21/32	2	3/8	0.10 (0.05)
1/2"	THSTMD16	THSTMD16	11/16	21/32	1 21/32	2	3/8	0.12 (0.05)
9/16"	THSTMD18	THSTMD18	3/4	23/32	1 21/32	2	3/8	0.13 (0.06)

*Conventional hex



THTM412



Double Square

11	Stock No.	A	B	C	D	E	Weight lb (kg)
1/4	THTM408	15/32	15/32	17/32	7/8	1/4	0.027 (0.01)
5/16	THTM410	9/16	17/32	17/32	7/8	9/32	0.04 (0.02)
3/8"	THTM412	21/32	5/8	17/32	7/8	5/16	0.05 (0.02)

Shallow Universal, inches

11	12	A	B	D	E	Weight lb (kg)
1/4	THTMU81B	3/8	1/2	1 17/64	1/4	0.37 (0.17)
5/16	THTMU101A	15/32	1/2	1 11/32	9/32	0.04 (0.02)
3/8"	THTMU121A	17/32	1/2	1 27/64	9/32	0.05 (0.02)
7/16"	THTMU141A	19/32	1/2	1 29/64	13/32	0.05 (0.02)
1/2"	THTMU161A	11/16	1/2	1 33/64	13/32	0.05 (0.02)
9/16"	THTMU181A	3/4	1/2	1 35/64	13/32	0.06 (0.03)

1/4" Drive



THTMA8E

Hex Bit, Standard Length, inches

		A	B	Weight, lb (kg)
5/64	THTMA2.5E	1-7/8"	TMA2.5E2A	0.04 (0.02)
1/16	THTMA2E	1-7/8"	TMA2E2	0.03 (0.01)
3/32	THTMA3E	1-7/8"	TMA3E2A	0.06 (0.03)
7/64	THTMA3.5E	1-7/8"	TMA3.5E2A	0.03 (0.01)
1/8	THTMA4E	1-7/8"	TMA4E2	0.06 (0.03)
9/64	THTMA4.5E	1-7/8"	TMA4.5E2	0.06 (0.03)
5/32	THTMA5E	1-7/8"	FA5E2	0.06 (0.03)
3/16	THTMA6E	1-15/16"	FA6E2	0.04 (0.02)
7/32	THTMA7E	1-7/8"	FA7E2	0.04 (0.02)
1/4	THTMA8E	1-7/8"	FA8E2	0.05 (0.02)



THTMP22E

Philips® Screwdriver Bit

		Stock No.	A	B	Weight, lb (kg)
Standard	#1	THTMP12E	1-7/8"	TMP12E2	0.04 (0.02)
	#2	THTMP22E	1-7/8"	FP22E2	0.03 (0.01)
	#2	THTMP23E	1-7/8"	TMP23E2	0.04 (0.02)
Short	#2	THTMP21E	1-7/8"	TMP21E	0.05 (0.02)



THTMC105E



THTM83A

Flat Tip Screwdriver Bit

		Stock No.	A	B	Weight, lb (kg)
Standard	3/16 x .032	THTMC104E	2-7/8"	TMC104E2	0.07 (0.03)
	1/4 x .032	THTMC105E	2-15/16"	TMC105E2	0.05 (0.02)
	3/8 x .042	THTMC106E	2-7/8"	TMC106E2	0.06 (0.03)
Short	1/4 x .036	THTM82	7/8"	TM82-2C	0.02 (0.01)
	3/8 x 1/32	THTM83A	3/4"	-	0.03 (0.01)
	7/16 x 1/32	THTM84	3/4"	-	0.03 (0.01)

Hex Bit, Standard Length, mm

mm		A	Weight, lb (kg)
2	THTMAM2E	47.8	0.03 (0.01)
2.5	THTMAM2.5E	47.8	0.04 (0.02)
3	THTMAM3E	47.8	0.04 (0.02)
4	THTMAM4E	47.8	0.04 (0.02)
5	THTMAM5E	47.8	0.04 (0.02)
6	THTMAM6E	47.8	0.05 (0.02)



THTMAB4E

Ball Hex Bit, Standard Length, inches

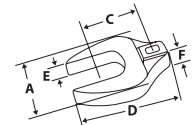
		A	B	Weight, lb (kg)
1/8	THTMAB4E	1-7/8"	TMAB4E2	0.03 (0.02)
9/64	THTMAB4.5E	1-7/8"	TMAB4.5E2	0.04 (0.04)
5/32	THTMAB5E	1-7/8"	TMAB5E2	0.04 (0.02)
3/16	THTMAB6E	1-7/8"	TMAB6E2	0.04 (0.02)

Clutch Tip Screwdriver Bit, Standard Length

	Stock No.	A	B	Weight, lb (kg)
3/16	THTM27E	3/16"	1-3/8"	0.03 (0.01)
1/4	THTM30E	1/4"	1-3/8"	0.05 (0.02)
5/32	THTM31E	5/32"	1-3/8"	0.05 (0.02)



THTMC16



Crowfoot Wrenches, Open End

	Stock No.	A	C	E	F	D	Weight lb (kg)
1/4	THTMC8	17/32	17/32	1/4	1/4	31/32	0.03 (0.01)
5/16	THTMC10	21/32	9/16	1/4	1/4	1 1/32	0.03 (0.01)
3/8	THTMC12	25/32	19/32	1/4	1/4	1 3/32	0.03 (0.01)
7/16	THTMC14	7/8	5/8	5/16	5/16	1 5/32	0.05 (0.02)
1/2	THTMC16	1 1/32	21/32	5/16	5/16	1 1/4	0.05 (0.02)
9/16	THTMC18	1 1/8	11/16	5/16	5/16	1 9/32	0.05 (0.02)



THTMAM4E

Ball Hex, Standard Length, mm

mm		A	Weight, lb (kg)
2	THTMAM2E	47.8	0.03 (0.01)
2.5	THTMAM2.5E	47.8	0.04 (0.02)
3	THTMAM3E	47.8	0.04 (0.02)
4	THTMAM4E	47.8	0.04 (0.02)

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4



RATCHETS, HANDLES AND EXTENSIONS

3/8" Drive



3/8" Drive Tools@Height™ Ratchets & Accessories

Stock No.	Description	Overall Length, inches	Repair Kit	Weight, lbs (kg)
THF80	3/8" Drive, Standard Handle Ratchet	7-7/16	THRKRF80LB	0.66 (0.3)
THFK80	81 Tooth Stubby Handle Ratchet	4-3/16	THRKRF80LB	0.66 (0.30)
THFL80	Long Handle Ratchet	10-5/16	THRKRF80LB	0.78 (0.35)
THFN100	Round Head Ratchet, Standard Length	7-7/16	-	0.60 (0.27)
THFRS70A	SPINNER	1-5/16	-	0.13 (0.06)
THPALMRAT	Tethered Palm Ratchet	2-3/4	-	0.75 (0.34)
THPRT	Pin Release Tool	-	-	-
THRAF80	Ratchet, Low Profile, Dual80® Tech	7 1/2	THRKRF80LB	0.37 (0.17)
THRKRF8080LB	Drive gear and screws to retrofit existing 80 tooth ratchet models	-	-	-
THRKRF80LB	Repair Kit			



3/8" Drive Handles

Stock No.	Description	Overall Length, inches	Weight, lbs (kg)
THF10LA	Breaker Bar	9-9/16	0.65 (0.29)
THF11TURBO	Turbo-T Seed Driver 3/8" Square Drive	-	1.3 (0.59)



3/8" Drive Tools@Height™ Extensions & Accessories

Stock No.	Description	Overall Length, inches	Replacement Bits	Weight, lbs (kg)
THFX1	Extension 3/8 in Drive	1-1/2	-	0.11 (0.05)
THFXK3	Extension 3/8 in Drive	3	-	0.18 (0.08)
THFXK4	Extension 3/8 in Drive	4	-	0.21 (0.10)
THFXK6	Extension 3/8 in Drive	6	-	0.27 (0.12)
THFXK8	Extension 3/8 in Drive	8	-	0.35 (0.16)
THFXK11	Extension 3/8 in Drive	11	-	0.47 (0.21)
THFU8A	Universal Joint	2-1/16	-	0.14 (0.06)
THA2A	3/8" Drive Square Drive Adaptor	1-5/16	-	0.10 (0.05)
THGFAT1E	ADAPTOR	1-1/4	THGFAT1E2	0.09 (0.04)

3/8" Drive

Shallow, mm

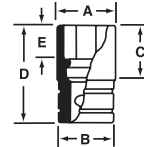
mm	6	12	A	B	C	D	E	Weight, lb (kg)
6	THFSM61	—	9.1	17.2	11.1	23	5.6	0.05 (0.02)
7	THFSM71	—	10.4	17.2	11.1	23	5.6	0.60 (0.27)
8	—	THFM8	11.6	17.2	11.1	23	6.4	0.04 (0.02)
9	—	THFM9	13.1	17.2	11	23	7.1	0.04 (0.02)
10	—	THFM10	14.3	17.2	11	23	7.1	0.05 (0.02)
11	—	THFM11	15.4	17.2	11	23	7.1	0.04 (0.02)
12	—	THFM12	16.5	17.2	11.9	23.8	8.1	0.50 (0.23)
13	—	THFM13	18	17.2	12.6	24.6	8.1	0.05 (0.02)
14	—	THFM14	19.6	18.6	13.2	26.2	9.1	0.06 (0.03)
15	—	THFM15	20.3	19.4	13.7	27	9.1	0.07 (0.03)
16	—	THFM16	21.1	20.2	15	27.8	10.4	0.08 (0.04)
17	—	THFM17	22.7	21.8	15	28.6	10.4	0.10 (0.05)
18	—	THFM18	24.3	23.2	15.7	28.6	10.9	0.12 (0.05)
19	—	THFM19	25.1	24	16.3	30.2	11.9	0.13 (0.06)



THFSM61



THFM14



Shallow, inches

11	6	12	A	B	C	D	E	Weight lbs (kg)
1/4	THF081	THFS081	13/32	11/16	7/16	29/32	7/32	0.05 (0.02)
5/16	THF101	THFS101	15/32	11/16	7/16	29/32	1/4	0.04 (0.02)
1-1/32	THF111	THFS111	1/2	11/16	7/16	29/32	9/32	0.04 (0.02)
3/8"	THF121	THFS121	9/16	11/16	7/16	29/32	9/32	0.05 (0.02)
7/16"	THF141	THFS141	5/8	11/16	7/16	29/32	9/32	0.05 (0.02)
1/2"	THF161	THFS161	23/32	11/16	1/2	15/16	5/16	0.05 (0.02)
9/16"	THF181	THFS181	25/32	3/4	1/2	1-1/32	3/8	0.07 (0.03)
5/8"	THF201	THFS201	27/32	25/32	19/32	1-3/32	1/2	0.08 (0.04)
11/16"	THF221	THFS221	15/16	7/8	5/8	1-1/8	17/32	0.11 (0.05)
3/4"	THF241	THFS241	1	15/16	11/16	1-3/16	15/32	0.13 (0.06)
13/16"	THF261	THFS261	1-1/16	1	11/16	1-7/32	1/2	0.15 (0.07)
7/8"	THF281	THFS281	1-5/32	1-1/32	23/32	1-9/32	9/16	0.20 (0.09)
15/16	THF301	THFS301	1-3/16	1-3/16	25/32	1-11/32	9/16	0.25 (0.11)
1	THF321	THFS321	1-5/16	1-1/4	13/16	1-3/8	19/32	0.30 (0.14)



THF161



THFS161

Deep, mm

mm	12	A	B	C	D	E	Weight lbs (kg)
8	THSFM8	11.4	17.7	42.0	54.0	7.1	0.08 (0.04)
9	THSFM9	12.8	17.2	42.0	54.0	7.1	0.08 (0.04)
10	THSFM10	14.3	17.2	42.0	54.0	7.9	0.10 (0.05)
11	THSFM11	15.7	17.2	42.0	54.0	9.7	0.11 (0.05)
12	THSFM12	16.5	17.2	42.0	54.0	9.9	0.12 (0.05)
13	THSFM13	18.0	17.2	42.0	54.0	10.7	0.12 (0.05)
14	THSFM14	19.6	18.6	43.3	60.3	10.7	0.16 (0.07)
15	THSFM15	20.3	19.4	43.3	60.3	10.7	0.17 (0.08)
16	THSFM16	21.1	20.0	43.3	60.3	10.7	0.18 (0.08)
17	THSFM17	22.7	21.8	43.6	66.7	11.2	0.22 (0.10)
18	THSFM18	24.3	23.2	49.0	66.7	11.2	0.30 (0.14)
19	THSFM19	25.1	25.1	49.0	66.7	15.5	0.27 (0.12)



THSFM14



THSF161



THSFS161

Deep, inches

11	6	12	A	B	C	D	E	Weight lbs (kg)
1/4	THSF081	THSFS081	15/32	11/16	1-11/16	2-1/8	1/4	0.06 (0.03)
5/16	THSF101	THSFS101	15/32	11/16	1-11/16	2-1/8	7/32	0.80 (0.36)
3/8"	THSF121	THSFS121	9/16	11/16	1-11/16	2-1/8	5/16	0.10 (0.05)
7/16"	THSF141	THSFS141	5/8	11/16	1-11/16	2-1/8	3/8	0.10 (0.05)
1/2"	THSF161	THSFS161	23/32	11/16	1-11/16	2-1/8	7/16	0.10 (0.05)
9/16"	THSF181	THSFS181	25/32	23/32	1-29/32	2-3/8	7/17	0.15 (0.07)
19/32	THSF191	—	13/16	25/32	1-29/32	2-3/8	7/16	0.16 (0.07)
5/8"	THSF201	THSFS201	27/32	13/16	1-29/32	2-3/8	15/32	0.18 (0.08)
11/16"	THSF221	THSFS221	15/16	7/8	2-3/16	2-5/8	1/2	0.19 (0.09)
3/4"	THSF241	THSFS241	1	1	2-3/16	2-5/8	5/8	0.25 (0.11)
13/16"	THSF261	THSFS261	1-1/16	1	2-1/4	2-3/4	5/8	0.30 (0.14)
7/8"	THSF281	THSFS281	1-5/32	1-1/8	2-1/4	2-3/4	23/32	0.35 (0.16)
15/16	THSF301	—	1-1/4	1-3/16	2-1/4	2-3/4	23/32	0.41 (0.19)
1	THSF321	—	1-5/16	1-1/4	2-1/4	2-3/4	13/16	0.46 (0.21)

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

Release pin with THPRT – Pin Release Tool for Square

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



Competitor socket



Snap-on® socket



ASME®/ANSI® B107.1-2002

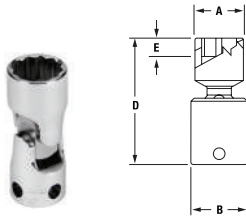
- Wear appropriate eye protection
- Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4



SOCKETS

3/8" Drive

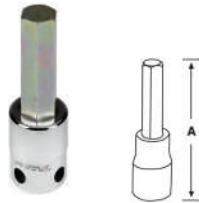
THFUM14A



Shallow Universal, metric

mm	12	A	B	D	E	Weight lb (kg)
10	THFUM10A	14.0	18.1	43.5	6.4	0.1 (0.05)
12	THFUM12A	16.8	18.1	45.5	7.9	0.11 (0.05)
13	THFUM13A	18.1	18.1	45.5	7.9	0.1 (0.05)
14	THFUM14A	18.9	18.1	47.9	8.9	0.1 (0.05)
15	THFUM15A	20.5	18.1	47.9	8.9	0.1 (0.05)
16	THFUM16A	21.3	18.1	47.9	10.2	0.1 (0.05)
17	THFUM17A	22.9	18.9	50.7	10.4	0.5 (0.23)

THFAM12E



Hex/Standard Length, metric

mm		A	B	Weight, lbs (kg)
4	THFAM4E	52.3	FAM4E2	0.07 (0.03)
5	THFAM5E	52.6	FAM5E2	0.07 (0.03)
6	THFAM6E	52.6	FAM6E2	0.09 (0.04)
7	THFAM7E	52.6	FAM7E2	0.09 (0.04)
8	THFAM8E	52.6	FAM8E2	0.103 (0.05)
9	THFAM9E	52.6	FAM9E2	0.21 (0.1)
10	THFAM10E	52.6	SAM10E2	0.04 (0.02)
11	THFAM11E	69.9	FAM11E2	0.15 (0.07)
12	THFAM12E	69.9	FAM12E2	0.22 (0.1)
13	THFAM13E	69.9	FAM13E2	0.24 (0.11)
14	THFAM14E	69.9	FAM14E2	0.31 (0.14)

THFAB8E



Ball Hex/Standard Length, inches

		Square Drive, inches	Weight lb (kg)
7/32	THFAB7E	3/8	0.08 (0.04)
1/4	THFAB8E	3/8	0.09 (0.04)
5/16	THFAB10E	3/8	0.1 (0.05)
3/8"	THFAB12E	3/8	0.13 (0.06)
7/32"	FAB7E2	3/8	0.08 (0.04)
1/4"	FAB8E2	3/8	0.09 (0.04)
5/16"	FAB10E2	3/8	0.1 (0.05)
3/8"	FAB12E2	3/8	0.13 (0.06)

THPP410A



Pipe Plug Socket

Stock No.	Size, inches	Weight lb (kg)
THPP410A	5/16	0.05 (0.02)

THFU16B



Shallow Universal, inches

	12	A	B	D	E	Weight lb (kg)
5/16"	THFU10B	15/32	11/16	1 5/8	1/4	0.4 (0.02)
3/8"	THFU12B	17/32	11/16	1 5/8	1/4	0.1 (0.05)
7/16"	THFU14B	5/8	11/16	1 5/8	9/32	0.09 (0.04)
1/2"	THFU16B	23/32	11/16	1 11/16	9/32	0.1 (0.05)
9/16"	THFU18B	25/32	11/16	1 23/32	11/32	0.1 (0.05)
5/8"	THFU20B	27/32	11/16	1 25/32	3/8	0.11 (0.05)
11/16"	THFU22B	15/16	3/4	2	3/8	0.15 (0.07)
3/4"	THFU24B	1	3/4	2 1/16	7/16	0.16 (0.07)
13/16"	THFU26B	1 3/32	3/4	2 3/32	15/32	0.15 (0.07)
7/8"	THFU28B	1 5/32	3/4	2 3/32	1/2	0.15 (0.07)
15/16"	THFU30A	1 1/4	3/4	2 9/32	9/16	0.21 (0.1)
1	THFU32A	1 5/16	3/4	2 9/32	9/16	0.231 (0.1)

THFA8E



Hex/Standard Length, inches

		A	B	Weight
1/8	THFA4E	2 1/16	TMA4E2	0.07 (0.03)
9/64	THFA4.5E	2 1/16	TMA4.5E2	0.05 (0.02)
5/32	THFA5E	2 1/16	FA5E2	0.07 (0.03)
3/16	THFA6E	2 1/16	FA6E2	0.07 (0.03)
7/32	THFA7E	2 1/16	FA7E2	0.08 (0.04)
1/4	THFA8E	2 1/16	FA8E2	0.09 (0.04)
5/16	THFA10E	2 1/16	FA10E2	0.1 (0.05)
3/8"	THFA12E	2 1/16	FA12E2	0.125 (0.06)

THFA8LE



Hex/Extra Long, inches

		A	Fits These Cap Screws	Fits These Set Screws	B	Weight, lbs (kg)
5/32	THFA5LE	6 1/16	#10	5/16"	FA5LE2	0.11 (0.05)
3/16	THFA6LE	6 1/8	1/4"	3/8"	FA6LE2	0.1 (0.05)
7/32	THFA7LE	6 1/8	—	7/16"	FA7LE2	0.13 (0.06)
1/4	THFA8LE	6 1/8	5/16"	1/2"	FA8LE2	0.15 (0.07)
5/16	THFA10LE	6 1/16	3/8"	5/8"	FA10LE2	0.19 (0.09)
3/8"	THFA12LE	6 1/16	1/4"	3/4"	FA12LE2	0.25 (0.11)

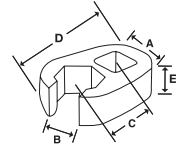
3/8" Drive

Flank Drive® Flare Nut, inches, 6-Point (chrome)

		A	B	C	D	E	Maximum Recommended Working Torque, inches -lb	Weight, lbs (kg)
3/8"	THFRH120S	13/32	1/4	9/16	1-11/32	3/8	150	0.07 (0.03)
7/16"	THFRH140S	29/32	5/16	9/16	1-13/32	3/8	200	0.07 (0.03)
1/2"	THFRH160S	1	11/32	9/16	1-7/16	3/8	250	0.08 (0.04)
9/16"	THFRH180S	1-1/8	3/8	3/4	1-5/8	7/16	300	0.12 (0.05)
5/8"	THFRH200S	1-1/8	7/16	3/4	1-5/8	7/16	375	0.10 (0.05)
11/16"	THFRH220S	1-5/16	1/2	13/16	1-25/32	1/2	450	0.15 (0.07)
3/4"	THFRH240S	1-5/16	9/16	13/16	1-25/32	1/2	525	0.13 (0.06)



THFRH160S

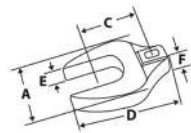


Open End, inches

		A	C	E	F	D	Maximum Recommended Working Torque, inches -lb	Weight lb (kg)
3/8	THFC12	7/8	23/32	7/32	33/64	1 19/64	75	0.07 (0.03)
7/16	THFC14	7/8	41/64	7/32	33/64	1 17/64	250	0.06 (0.03)
1/2	THFC16	1 1/32	51/64	7/32	33/64	1 29/64	300	0.08 (0.04)
9/16	THFC18	1 1/4	59/64	7/32	33/64	1 5/8	400	0.08 (0.04)
5/8	THFC20	1 1/4	55/64	7/32	33/64	1 19/32	500	0.08 (0.04)
11/16	THFC22	1 9/16	1 3/32	7/32	33/64	1 59/64	650	0.14 (0.06)
3/4	THFC24	1 9/16	1 1/32	7/32	33/64	1 57/64	850	1.00 (0.45)
13/16	THFC26	1 23/32	1 3/32	9/32	19/32	2	1050	0.19 (0.09)
7/8	THFC28	1 23/32	1 1/32	9/32	19/32	1 31/32	1250	0.18 (0.08)
15/16	THFC30	2	1 5/32	11/32	21/32	2 1/8	1400	0.26 (0.12)
1	THFC32	2	1 5/64	11/32	21/32	2 3/32	1600	0.24 (0.11)
1-1/16	THFC34	1-23/32	1-3/64	3/8	39/64	1-15/32	1650	0.24 (0.11)
1-1/8	THFC36	1-29/32	1-5/32	3/8	39/64	2-1/16	1700	0.21 (0.1)
1-3/16	THFC38	1-29/32	1-13/64	3/8	39/64	2-1/16	1750	0.21 (0.1)
1-1/4	THFC40	2-5/32	1-15/64	3/8	41/64	2-7/32	1750	0.26 (0.12)
1-5/16	THFC42	2-5/32	1-17/64	3/8	41/64	2-7/32	1750	0.26 (0.12)
1-3/8	THFC44	2-3/8	1-19/64	3/8	41/64	2-3/8	1800	0.30 (0.14)
1-7/16	THFC46	2-3/8	1-11/32	3/8	41/64	2-3/8	1800	0.29 (0.13)
1-1/2	THFC48	2-17/32	1-3/8	3/8	41/64	2-1/2	1800	0.33 (0.15)
1-9/16	THFC50	2-17/32	1-13/32	3/8	41/64	2-1/2	1800	0.32 (0.15)
1-5/8	THFC52	2-21/32	1-29/64	3/8	41/64	2-19/32	1800	0.31 (0.14)
1-11/16	THFC54	2-21/32	1-31/64	3/8	41/64	2-19/32	1800	0.31 (0.14)
1-3/4	THFC56	2-7/8	1-33/64	3/8	41/64	2-3/4	1800	0.36 (0.16)
1-13/16	THFC58	2-7/8	1-35/64	3/8	41/64	2-3/4	1800	0.34 (0.15)
1-7/8	THFC60	3-5/32	1-19/32	3/8	41/64	2-55/64	1800	0.43 (0.2)
1-15/16	THFC62	3-5/32	1-5/8	3/8	41/64	2-55/64	1040	0.43 (0.2)
2	THFC64	3-13/32	1-23/32	1/2	45/64	3-1/8	1800	0.66 (0.3)
2-1/16	THFC66	3-13/32	1-3/4	1/2	45/64	3-1/8	1800	0.66 (0.3)
2-1/8	THFC68	3-19/32	1-25/32	1/2	45/64	3-1/4	1800	0.74 (0.34)
2-3/16	THFC70	3-19/32	1-53/64	1/2	45/64	3-1/4	1275	0.72 (0.33)
2-1/4	THFC72	3-27/32	1-15/16	1/2	45/64	3-1/2	1800	0.86 (0.39)
2-5/16	THFC74	3-27/32	1-15/16	1/2	45/64	3-1/2	1800	0.84 (0.38)
2-3/8	THFC76	4-3/32	2-1/16	1/2	45/64	3-3/4	1800	0.99 (0.45)
2-7/16	THFC78	4-3/32	2-1/4	1/2	45/64	3-3/4	1800	1.00 (0.45)
2-1/2	THFC80	4-9/32	2-11/64	1/2	45/64	3-57/64	1800	1.04 (0.47)
2-9/16	THFC82	4-9/32	2-11/64	1/2	45/64	3-57/64	1800	1.04 (0.47)
2-5/8	THFC84	4-17/32	2-21/64	1/2	45/64	4-1/8	1800	1.14 (0.52)
2-11/16	THFC86	4-17/32	2-3/8	1/2	45/64	4-1/8	1800	1.12 (0.51)
2-3/4	THFC88	4-23/32	2-7/16	1/2	45/64	4-19/64	1900	1.27 (0.58)
2-13/16	THFC90	4-23/32	2-17/32	1/2	45/64	4-19/64	2075	1.33 (0.6)
2-7/8	THFC92	5-3/32	2-41/64	1/2	45/64	4-43/64	2075	1.54 (0.7)
2-15/16	THFC94	5-3/32	2-43/64	1/2	45/64	4-5/8	2200	1.51 (0.68)
3	THFC96	5-3/32	2-23/32	1/2	45/64	4-5/8	2200	1.47 (0.67)



THFC12

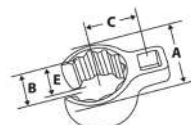


3/8" Drive Flank Drive® Flare Nut-Deep, inches, 12-Point (chrome)

		A	B	C	E	Maximum Recommended Working Torque, inches -lb	Weight lb (kg)
5/8"	THAN850810	15/16	1/2	23/32	23/32	250	0.07 (0.03)
11/16"	THAN850811	1 1/32	17/32	25/32	23/32	310	0.08 (0.04)
3/4"	THAN850812	1 1/8	9/16	13/16	3/4	450	0.11 (0.05)
13/16"	THAN850813	1 7/32	5/8	7/8	3/4	450	0.10 (0.05)
7/8"	THAN850814	1 5/16	25/32	15/16	25/32	625	0.15 (0.07)
15/16"	THAN850815	1 3/8	3/4	31/32	25/32	625	0.15 (0.07)
1	THAN850816	1 7/16	3/4	1	13/16	625	0.15 (0.07)
1-1/16	THAN850817	1 17/32	25/32	1 1/32	13/16	625	0.15 (0.07)



THAN850812



ASME®/ANSI® B107.100



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read safety precautions on pages W1 to W4

RATCHETS AND ACCESSORIES

1/2" Drive



1/2" Drive Tools@Height™ Ratchets & Accessories

Stock No.	Description	Overall Length, inches	Repair Kit	Weight lb (kg)
THS80A	1/2" Drive Standard Handle Ratchet	10-5/16	THRKRS80ALB	1.60 (0.73)
THSL80A	Long Handle Ratchet	15	THRKRS80ALB	1.93 (0.88)
THSA936A	Scaffold Ratchet	10 5/16	—	2.12 (0.96)
JHWBS-63B	Scaffold Ratchet	14	—	2.74 (1.24)
JHWBS-62	Scaffold Ratchet with Hammer Only	11	—	2.55 (1.16)
THS77A	Ratchet Adaptor	3	—	0.90 (0.41)
THGSP936	Spud Ratchet	15-5/8	—	2.44 (1.11)
THRKRS80A80L	Drive gear and screws to retrofit existing 80 tooth ratchet models	—	—	—
THPRT	Pin Release Tool	—	—	—



1/2" Drive Handles

Stock No.	Description	Drive Size, inches	Overall Length, inches	Weight, lbs (kg)
THSN15	1/2" Drive 15" Standard Handle Breaker Bar	1/2	15	1.70 (0.77)
THSN18	Breaker Bar	1/2	18	3.00 (1.36)
THSN24	Breaker Bar	1/2	24	2.40 (1.09)

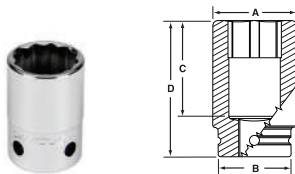


1/2" Drive Extensions & Accessories

Stock No.	Description	Overall Length, inches	Weight lb (kg)
THSX2	Extension	2-1/8	0.25 (0.11)
THSXK3	Knurled Extension	3-1/2	0.40 (0.18)
THSXK5	1/2" Drive 5" Extension	5	0.53 (0.24)
THSXK8	Knurled Extension	8	0.74 (0.34)
THSXK11	1/2" Drive 11" Extension	11	1.04 (0.47)
THSX15	Extension	15	1.00 (0.45)
THS8	1/2" Drive 2-11/16" Friction Ball Universal Joint	2-11/16	0.29 (0.13)
THGLA12B	1/2" Female x 3/4" Male Adaptor	1-7/16	0.36 (0.16)
THGSAF1F	1/2" Drive Square Drive Adaptor	1 3/16	0.20 (0.09)
THGLAS1F	3/4" Female x 1/2" Male Adaptor	2-7/16	0.50 (0.23)
THGLAS1F2	Replacement Bit / THGLAS1F	—	—

1/2" Drive

THSWM191



Shallow, mm

mm	12	A	B	C	D	Weight lb (kg)
10	THSWM101A	15.0	23.2	22.22	38.1	0.13 (0.06)
11	THSWM111A	16.6	23.2	22.22	38.1	0.133 (0.06)
12	THSWM121A	18.2	23.2	22.22	38.1	0.14 (0.06)
13	THSWM131A	19.0	23.2	22.22	38.1	0.14 (0.06)
14	THSWM141A	20.6	23.2	22.22	38.1	0.142 (0.06)
15	THSWM151A	22.0	22.2	22.22	38.1	0.15 (0.07)
16	THSWM161	23.8	22.2	22.22	38.1	0.14 (0.06)
17	THSWM171	24.6	23.2	22.22	38.1	0.17 (0.08)
18	THSWM181	25.4	23.8	21.4	38.1	0.15 (0.07)
19	THSWM191	26.3	24.8	21.3	38.1	0.17 (0.08)
20	THSWM201	26.7	26.1	21.2	38.1	0.18 (0.08)
21	THSWM211	28.3	27.5	21.1	38.1	0.21 (0.01)
22	THSWM221	29.9	28.6	20.9	38.1	0.23 (0.01)
23	THSWM231	31.2	29.9	20.8	38.1	0.265 (0.012)
24	THSWM241	32.5	30.9	22.2	38.8	0.28 (0.013)
25	THSWM251	33.3	31.7	22.2	38.8	0.4 (0.18)
26	THSWM261	34.9	33.3	23.8	41.2	0.55 (0.25)
27	THSWM271	36.5	34.9	25.4	42.8	0.6 (0.27)
28	THSWM281	38.1	36.5	26.9	44.4	0.30 (0.14)
29	THSWM291	39.3	38.0	26.1	44.5	0.35 (0.16)
30	THSWM301	41.0	39.6	26.1	44.5	0.4 (0.18)
31	THSWM311	42.5	41.2	29.1	47.6	0.52 (0.24)
32	THSWM321	42.5	41.2	28.9	47.6	0.64 (0.29)

THSW241



Shallow, inches

11	12	A	B	C	D	E	Weight, lbs (kg)
3/8"	THSW121A	19/32	29/32	7/8	1-1/2	5/16	0.13 (0.06)
7/16"	THSW141A	11/16	29/32	7/8	1-1/2	11/32	0.13 (0.06)
1/2"	THSW161A	3/4	29/32	7/8	1-1/2	13/32	0.14 (0.06)
9/16"	THSW181A	13/16	29/32	7/8	1-1/2	13/32	0.14 (0.06)
5/8"	THSW201	15/16	7/8	7/8	1-1/2	15/32	0.14 (0.06)
11/16"	THSW221	31/32	29/32	7/8	1-1/2	1/2	0.15 (0.07)
1-1/16"	THSW241	1-31/32	31/32	7/8	1-1/2	9/16	0.17 (0.08)
13/16"	THSW261	1-1/8	1-1/16	7/8	1-1/2	9/16	0.20 (0.09)
7/8"	THSW281	1-23/16	1-1/8	7/8	1-1/2	25/32	0.20 (0.09)
15/16"	THSW301	1-9/32	1-7/32	27/32	1-17/32	3/4	0.28 (0.10)
1	THSW321	1-11/32	1-9/32	7/8	1-9/16	3/4	0.30 (0.14)
1-1/16"	THSW341	1-7/16	1-3/8	1-31/32	1-11/16	3/4	1.8 (0.82)
1-1/8"	THSW361	1-1/2	1-7/16	1-31/32	1-3/4	1-3/16	0.44 (0.20)
1-3/16"	THSW381	1-5/8	1-9/16	1-1/8	1-3/4	3/4	0.53 (0.27)
1-1/4"	THSW401	1-11/16	1-5/8	1-1/4	1-7/8	3/4	0.60 (0.27)
1-5/16"	THSW421	1-3/4	1-11/16	1-1/4	1-7/8	1	0.65 (0.29)
1-1/2"	THSW481	2	1-15/16	1-5/8	2-1/2	1	1 (0.45)

THSM19



Deep 1/2" Drive, mm

11	6	12	A	B	C	D	E	Weight, lb (kg)
10	—	THSM10A	15.0	23.2	66.7	82.6	7.9	0.2 (0.09)
11	—	THSM11A	16.6	23.2	66.7	82.6	8.7	0.23 (0.1)
12	—	THSM12B	18.2	23.2	66.7	82.6	9.5	0.25 (0.11)
13	—	THSM13A	19.0	23.2	66.7	82.6	10.3	0.25 (0.11)
14	—	THSM14A	20.6	23.2	66.7	82.6	10.3	0.31 (0.14)
15	—	THSM15A	22.2	23.2	66.7	82.6	10.3	0.35 (0.16)
16	—	THSM16	23.8	22.2	51.0	82.6	11.9	0.3 (0.14)
17	—	THSM17	24.6	22.2	51.0	82.6	12.7	0.35 (0.16)
18	—	THSM18	25.4	23.2	51.0	82.6	14.3	0.355 (0.16)
19	—	THSM19	26.3	23.8	52.5	82.6	14.2	0.4 (0.18)
20	—	THSM20	26.7	24.6	58.5	82.6	14.0	0.4 (0.18)
21	—	THSM21	28.3	27.5	58.5	82.6	14.0	0.45 (0.2)
22	THSM22	THSM22	29.9	28.6	58.5	82.6	14.2	0.5 (0.23)
23	THSM23	THSM23	31.2	29.9	58.0	82.6	14.5	0.55 (0.25)
24	THSM24	THSM24	32.5	30.9	50.0	82.6	15.8	0.6 (0.27)
25	THSM25	THSM25	33.3	31.7	50.0	82.6	15.8	0.51 (0.23)
26	THSM26	THSM26	34.9	33.3	50.0	82.6	15.8	0.60 (0.27)
27	THSM27	THSM27	36.2	34.9	50.0	82.6	17.5	0.60 (0.27)
28	THSM28	THSM28	37.8	36.5	50.0	82.6	17.5	0.62 (0.28)
29	THSM29	THSM29	39.3	38.0	64.3	82.6	17.8	0.69 (0.31)
30	THSM30	THSM30	41	39.6	64.0	82.6	18.5	0.77 (0.35)
31	THSM31	THSM31	42.5	41.2	64.0	82.6	19.1	0.85 (0.39)
32	THSM32	THSM32	42.5	41.2	63.8	82.6	19.8	0.97 (0.44)

THS241



Deep, inches

11	12	A	B	C	Weight lb (kg)
3/8"	THS121A	19/32	29/32	2 5/8	0.2 (0.09)
7/16"	THS141A	3/4	29/32	2 5/8	0.25 (0.11)
1/2"	THS161A	3/4	29/32	2 5/8	0.26 (0.12)
9/16"	THS181A	13/16	29/32	2 5/8	0.3 (0.14)
5/8"	THS201	15/16	7/8	1 31/32	0.29 (0.13)
11/16"	THS221	31/32	29/32	1 31/32	0.35 (0.16)
3/4"	THS241	1 1/32	31/32	2 5/8	0.4 (0.18)
13/16"	THS261	1 1/8	1 1/16	2 5/8	0.45 (0.2)
7/8"	THS281	1 3/16	1 1/8	2 5/8	0.501 (0.23)
15/16"	THS301	1 9/32	1 7/32	1 31/32	0.6 (0.27)
1	THS321	1 11/32	1 9/32	1 31/32	0.65 (0.29)
1-1/16"	THS341	1 7/16	1 3/8	1 31/32	0.75 (0.34)
1-1/8"	THS361	1 1/2	1 7/16	1 31/32	0.85 (0.39)
1-3/16"	THS381	1-5/8	1-9/16	2-5/8	1.02 (0.46)
1-1/4"	THS401	1-11/16	1-5/8	2-5/8	1.09 (0.49)
1-5/16"	THS421	1-3/4	1-11/16	2-9/16	1.14 (0.52)
1-3/8"	THS441	1-13/16	1-3/4	2-9/16	1.22 (0.55)
1 7/16"	THS461	1 15/16	1 7/8	2 9/16	1.31 (0.59)
1 1/2"	THS481	2	1 15/16	2 9/16	1.39 (0.63)



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

Release pin with THPRT – Pin Release Tool for Square Drive Tools

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



THS241

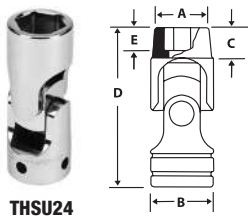


- Wear appropriate eye protection
- Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4



SOCKETS

1/2" Drive

Universal, inches



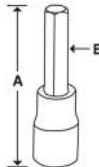
THSU24

		A	B	D	E	Weight, lbs (kg)
9/16"	THSU18	27/32	15/16	2-7/16	11/32	.25 (0.11)
5/8"	THSU20	15/16	15/16	2-15/32	3/8	.25 (.11)
11/16"	THSU22	1-1/16	1-1/16	2-9/16	7/16	.35 (.16)
3/4"	THSU24	1-1/8	1-1/8	2-7/8	1/2	.43 (.2)
13/16"	THSU26	1-3/16	1-1/8	2-15/16	9/16	.45 (.21)
7/8"	THSU28	1-1/4	1-1/8	2-15/16	9/16	.46 (.21)
15/16	THSU30	1-5/16	1-1/8	3	9/16	.49 (.22)

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


THSAM12E





THSA16E

Hex/Standard, mm

		A	B	Weight, lbs (kg)
6	THSAM6E	60.5	FAM6E2	0.18 (0.08)
8	THSAM8E	62	FAM8E2	0.20 (0.09)
10	THSAM10E	62.8	SAM10E2	0.23 (0.1)
12	THSAM12E	81	SAM12E2	0.32 (0.15)
14	THSAM14E	81	SA14E2	0.45 (0.2)
17	THSAM17E	93.7	SAM17E2	0.73 (0.33)
19	THSAM19E	103.1	SAM19E2	1.05 (0.48)

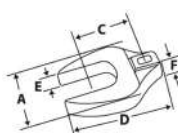
Hex/Standard, inches


		A	B	Weight, lbs (kg)
5/16	THSA10E	2-3/8	FA10E2	21 (0.1)
3/8"	THSA12E	2-1/2	SA12E2	0.25 (0.11)
7/16"	THSA14E	2-7/8	SA14E2	0.30 (0.14)
1/2"	THSA16E	3-1/16	SA16E2	0.35 (0.16)
9/16"	THSA18E	3-3/16	SA18E2	0.45 (0.2)
5/8"	THSA20E	3-11/32	LAW120E2	0.68 (0.31)
3/4"	THSA24E	4-1/16	LAW124E2	1.04 (0.47)

Open End, inches



THSC48

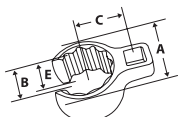



		A	C	E	F	Maximum Recommended Working Torque, in-lb	Weight, lbs (kg)
1-1/16	THSC34	2-3/32	1-3/4	3/8	5/8	2,000	0.30 (0.14)
1-1/8	THSC36	2-7/32	1-3/4	3/8	5/8	2,100	0.37 (0.17)
1-3/16	THSC38	2-11/32	1-3/4	13/32	5/8	2,200	0.42 (0.19)
1-1/4	THSC40	2-15/32	2	13/32	5/8	2,300	0.42 (0.19)
1-5/16	THSC42	2-19/32	2	7/16	5/8	2,400	0.46 (0.21)
1-3/8	THSC44	2-23/32	2	7/16	5/8	2,500	0.54 (0.24)
1-7/16	THSC46	2-27/32	2	7/16	5/8	2,600	0.59 (0.27)
1-1/2	THSC48	2-31/32	2	15/32	5/8	2,900	.64 (0.29)
1-5/8	THSC52	3-7/32	1-31/32	1/2	5/8	3,400	0.70 (0.32)
1-11/16	THSC54	3-11/32	2-3/16	1/2	5/8	3,700	1.00 (0.45)
1-3/4	THSC56	3-15/32	2-3/16	17/32	5/8	3,900	0.85 (0.39)
1-13/16	THSC58	3-19/32	2-3/16	17/32	5/8	4,100	0.86 (0.39)
1-7/8	THSC60	3-23/32	2-3/16	9/16	5/8	4,300	1.00 (0.45)
2	THSC64	3-31/32	2-31/32	9/16	5/8	5,000	1.15 (0.52)

Flare Nut-Deep, inches, 12-Point



THAN850824



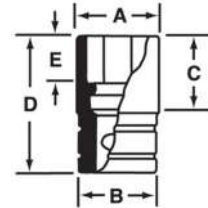
		A	B	C	E	Maximum Recommended Working Torque, in-lb	Weight, lbs (kg)
1-1/8	THAN850818	1-5/8	27/32	1-5/32	7/8	825	0.20 (0.09)
1-3/16	THAN850819	1-11/16	29/32	1-3/16	7/8	825	0.24 (0.11)
1-1/4	THAN850820	1-25/32	15/16	1-7/32	7/8	825	0.25 (0.11)
1-5/16	THAN850821	1-27/32	31/32	1-1/4	7/8	900	0.25 (0.11)
1-3/8	THAN850822	1-15/16	1-1/16	1-5/16	15/16	900	0.30 (0.14)
1-7/16	THAN850823	2	1-1/16	1-11/32	15/16	900	0.30 (0.14)
1-1/2	THAN850824	2-3/32	1-1/8	1-3/8	15/16	900	0.30 (0.14)
1-9/16	THAN850825	2-5/32	1-5/32	1-13/32	15/16	900	0.33 (0.15)
1-5/8	THAN850826	2-7/32	1-7/32	1-7/16	15/16	1,100	0.35 (0.16)
1-11/16	THAN850827	2-5/16	1-5/16	1-1/2	1-1/32	1,100	0.40 (0.18)
1-3/4	THAN850828	2-3/8	1/5/16	1-9/16	1-1/32	1,150	0.45 (0.2)
1-13/16	THAN850829	2-15/32	1-11/32	1-19/32	1-1/32	1,200	0.44 (0.2)
1-7/8	THAN850830	2-9/16	1-3/8	1-21/32	1-1/16	1,200	0.45 (0.2)
1-15/16	THAN850831	2-5/8	1-7/16	1-11/16	1-1/16	1,200	0.50 (0.23)
2	THAN850832	2-23/32	1-9/16	1-23/32	1-1/16	1,400	0.87 (0.39)

ASME®/ANSI® B107.100

3/4" Drive



THLDH382



3/4" Drive Ratchet and Drive Tools

Stock No.	Description	Overall Length inches	Weight lbs (kg)
THL872H	Sliding T-Handle Head with 19" Handle	19-1/4	3.68 (1.67)
THL872RJ	Sealed Ratchet with Knurled 19" Handle	19-1/4	4.15 (1.88)
THL872RM	Sealed Ratchet with Knurled 36" Handle	26	7.16 (3.25)
THL32	Extension with Locking Button	3	0.80 (0.36)
THL42	Extension with Locking Button	5	1.17 (0.53)
THL62	Extension with Locking Button	8	1.71 (0.78)
THL122	Extension with Locking Button	16	3.31 (1.5)

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THLDHM302

3/4" Drive, Shallow, SAE®

11	12	A	B	C	D	E	Weight, lb (kg)
3/4	THLDH242	1-1/8	1-7/16	1-1/4	2	16/32	0.48 (0.22)
13/16	THLDH262	1-7/32	1-7/16	1-1/4	2	11/16	0.50 (0.23)
7/8	THLDH282	1-5/16	1-7/16	1-1/4	2	11/16	0.52 (0.24)
15/16	THLDH302	1-3/8	1-7/16	1-1/4	2	23/32	0.60 (0.27)
31/32	THLDH312	1-13/32	1-7/16	1-1/4	2	23/32	0.51 (0.23)
1	THLDH322	1-15/32	1-1/2	1-5/16	2-1/16	3/4	0.57 (0.26)
1-1/16	THLDH342	1-9/16	1-1/2	1-3/8	2-1/8	3/4	0.59 (0.27)
1-1/8	THLDH362	1-5/8	1-1/2	1-7/16	2-3/16	13/16	0.63 (0.29)
1-3/16	THLDH382	1-11/16	1-1/2	1-1/2	2-1/4	7/8	0.68 (0.31)
1-1/4	THLDH402	1-3/4	1-1/2	1-1/2	2-1/4	15/16	0.72 (0.33)
1-5/16	THLDH422A	1-7/8	1-3/4	1-9/16	2-1/2	7/8	0.95 (0.43)
1-3/8	THLDH442	1-15/16	1-3/4	1-9/16	2-1/2	7/8	0.98 (0.44)
1-7/16	THLDH462	2	1-3/4	1-5/8	2-1/2	15/16	1.01 (0.46)
1-1/2	THLDH482	2-1/8	1-3/4	1-11/16	2-1/2	1-1/16	1.23 (0.56)
1-9/16	THLDH502	2-3/16	1-3/4	1-7/8	2-5/8	1-5/32	1.19 (0.54)
1-5/8	THLDH522	2-1/4	1-3/4	1-7/8	2-5/8	1-5/32	1.30 (0.59)
1-11/16	THLDH542	2-3/8	1-3/4	2	2-3/4	1-3/16	1.59 (0.72)
1-3/4	THLDH562	2-7/16	1-3/4	2	2-3/4	1-3/16	1.63 (0.74)
1-13/16	THLDH582	2-1/2	1-3/4	2-1/8	2-7/8	1-1/4	1.65 (0.75)
1-7/8	THLDH602	2-9/16	1-3/4	2-1/4	3	1-5/8	1.87 (0.85)
2	THLDH642	2-3/4	1-3/4	2-3/8	3-1/8	1-3/8	2.17 (0.98)
2-1/16	THLDH662	2-15/16	1-3/4	2-3/8	3-1/8	1-3/8	2.06 (0.93)
2-1/8	THLDH682	2-15/16	1-3/4	2-1/2	3-1/4	1-7/16	2.65 (1.2)
2-3/16	THLDH702	2-15/16	1-3/4	2-1/2	3-1/4	1-1/2	2.46 (1.12)
2-1/4	THLDH722	3-1/8	1-3/4	2-5/8	3-3/8	1-1/2	3.23 (1.47)
2-3/8	THLDH762	3-1/4	1-3/4	2-7/8	3-3/8	1-3/4	3.60 (1.63)

ASME®/ANSI® B107.100

3/4" Drive, Shallow, mm

mm	12	A	B	C	D	E	Weight, lb (kg)
22	THLDHM222	31.10	34.60	30.20	50.80	17.10	0.48 (0.22)
24	THLDHM242	33.40	34.60	31.80	50.80	17.90	0.52 (0.24)
27	THLDHM272	37.30	39.50	31.80	54.00	19.90	0.56 (0.25)
30	THLDHM302	41.00	39.80	34.00	57.20	21.80	0.61 (0.28)
36	THLDHM362	49.3	41.2	35.1	58.7	22.1	0.94 (0.43)
41	THLDHM412	55.1	44.5	42.9	66.5	26.7	1.25 (0.57)

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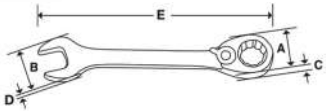


- Wear appropriate eye protection
- Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4


REVERSIBLE RATCHETING COMBINATION / (BLUE POINT®)



THBOERM19




Standard Handle, 15° Offset, mm

	Stock No.	A	B	C	D	E	Weight, lb (kg)
6	THBOERM6	16.30	16.3	6.6	3.6	114.3	0.06 (0.03)
7	THBOERM7	16.50	16.4	6.6	3.9	125	0.07 (0.03)
8	THBOERM8	17.80	17.7	6.5	4	135	0.08 (0.04)
9	THBOERM9	19.50	20	7.4	4	150	0.09 (0.04)
10	THBOERM10	21.50	21.9	8	5	160	0.14 (0.06)
11	THBOERM11	22.00	23.9	8.5	5.5	170	0.15 (0.07)
12	THBOERM12	23.50	25	9	5.5	175	0.19 (0.09)
13	THBOERM13	25.00	25.9	10	6.3	180	0.23 (0.1)
14	THBOERM14	27.00	29.9	10	6.5	190	0.29 (0.13)
15	THBOERM15	28.50	31.1	11	7	200	0.31 (0.14)
16	THBOERM16	30.50	33.6	11	7	210	0.36 (0.16)
17	THBOERM17	32.00	36.5	12	7	230	0.45 (0.2)
18	THBOERM18	34.50	38.5	12	8	240	0.50 (0.23)
19	THBOERM19	36.50	38.7	12.9	8.7	250	0.58 (0.26)
21	THBOERM21	39.40	43.2	13.7	9.4	266.7	0.78 (0.35)
22	THBOERM22	41.70	45.7	14.5	9.4	285.8	0.90 (0.41)
24	THBOERM24	46.50	49.5	15.5	11.2	304.8	1.17 (0.53)
25	THBOERM25	47.20	52.8	15.5	11.2	327.2	1.26 (0.57)



THBOER28

Standard Handle, 15° Offset, inches

	Stock No.	A	B	C	D	E	Weight, lb (kg)
1/4	THBOER8	21/32	21/32	1/4	5/32	4-1/2	0.06 (0.03)
5/16	THBOER10	11/16	11/16	1/4	5/32	5-5/16	0.08 (0.04)
3/8	THBOER12	27/32	7/8	5/16	3/16	6-5/16	0.14 (0.06)
7/16	THBOER14	7/8	15/16	11/32	7/32	6-11/16	0.16 (0.07)
1/2	THBOER16	31/32	1-1/32	13/32	13/32	7-1/16	0.22 (0.1)
9/16	THBOER18	1-1/16	1-3/16	13/32	13/32	7-1/2	0.28 (0.13)
5/8	THBOER20	1-3/16	1-5/16	7/16	7/16	8-1/4	0.36 (0.16)
11/16	THBOER22	1-1/4	1-7/16	15/32	15/32	9-1/16	0.44 (0.2)
3/4	THBOER24	1-7/16	1-17/32	1/2	1/2	9-13/16	0.59 (0.27)
13/16	THBOER26	1-9/16	1-23/32	17/32	17/32	10-1/2	0.75 (0.34)
7/8	THBOER28	1-21/32	1-27/32	9/16	9/16	11-1/4	0.89 (0.4)
15/16	THBOER30	1-27/32	1-31/32	5/8	5/8	12	1.11 (0.5)
1	THBOER32	1-7/8	2-3/32	5/8	5/8	12-7/8	1.26 (0.57)

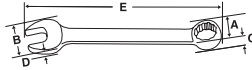


THOEXM190B



THOEX24B

Standard Length, mm, Combination



mm	12	A	B	C	D	E	Weight lbs (kg)
8	THOEXM80B	13	17	6	4	4	0.07 (0.03)
9	THOEXM90B	14	19	6	5	5	0.09 (0.04)
10	THOEXM100B	15	21	7	5	5	0.105 (0.05)
11	THOEXM110B	17	23	8	6	6	0.15 (0.07)
12	THOEXM120B	18	25	8	6	6	0.155 (0.07)
13	THOEXM130B	20	27	9	6	6	0.21 (0.1)
14	THOEXM140B	21	29	9	7	7	0.25 (0.11)
15	THOEXM150B	22	31	10	7	7	0.29 (0.13)
16	THOEXM160B	24	33	10	7	7	0.335 (0.15)
17	THOEXM170B	25	35	11	8	8	0.38 (0.17)
18	THOEXM180B	27	37	12	8	8	0.44 (0.2)
19	THOEXM190B	28	39	12	9	9	0.51 (0.23)
20	THOEXM200B	30	41	13	9	9	0.555 (0.25)
21	THOEXM210B	31	43	13	9	9	0.65 (0.29)
22	THOEXM220B	33	46	14	10	10	0.77 (0.35)
23	THOEXM230B	34	47	14	10	10	0.82 (0.37)
24	THOEXM240B	35	49	15	11	11	0.9 (0.41)
25	THOEXM250B	37	52	16	11	11	1.12 (0.51)
26	THOEXM260B	38	53	16	11	11	1.13 (0.51)
27	THOEXM270B	39	55	17	12	12	1.3 (0.59)
29	THOEXM290B	42	58	18	12	12	1.43 (0.65)
30	THOEXM300B	44	61	19	13	13	1.6 (0.73)
32	THOEXM320B	46	65	19	14	14	1.93 (0.88)
34	THOEXM340B	48	68	19	14	14	2.1 (0.95)
36	THOEXM360B	53	74	22	15	15	2.655 (1.2)

Standard Length, inches, Combination

in	12	A	B	C	D	E	Weight lbs (kg)
1/4	THOEX8B	13/32	17/32	3/16	5/32	5	0.05 (0.02)
5/16	THOEX10B	1/2	21/32	7/32	5/32	5-3/4	0.075 (0.03)
11/32	THOEX11B	17/32	3/4	1/4	3/16	6-1/8	0.085 (0.04)
3/8	THOEX12B	19/32	13/16	5/16	3/16	6-1/2	0.115 (0.05)
7/16	THOEX14B	21/32	29/32	5/16	7/32	7-1/4	0.16 (0.07)
1/2	THOEX16B	3/4	1-1/16	11/32	1/4	8	0.19 (0.09)
9/16	THOEX18B	27/32	1-3/16	3/8	9/32	8-3/4	0.275 (0.12)
5/8	THOEX20B	15/16	1-5/16	13/32	9/32	9-1/2	0.32 (0.15)
11/16	THOEX22B	1-1/32	1-13/32	7/16	5/16	10-1/4	0.39 (0.18)
3/4	THOEX24B	1-1/8	1-9/16	15/32	11/32	11	0.52 (0.24)
13/16	THOEX26B	1-3/16	1-21/32	17/32	3/8	11-3/4	0.595 (0.27)
7/8	THOEX28B	1-9/32	1-13/16	9/16	3/8	12-1/2	0.755 (0.34)
15/16	THOEX30B	1-3/8	1-29/32	19/32	13/32	13-1/4	0.87 (0.39)
1	THOEX32B	1-15/32	2-1/32	21/32	7/16	14	1.105 (0.5)
1-1/16	THOEX34B	1-9/16	2-3/16	11/16	15/32	14-3/4	1.285 (0.58)
1-1/8	THOEX36B	1-5/8	2-5/16	11/16	17/32	15-7/16	1.405 (0.64)
1-3/16	THOEX38B	1-3/4	2-7/16	3/4	1/2	16-5/16	1.5 (0.68)
1-1/4	THOEX40B	1-13/16	2-9/16	3/4	17/32	17-1/8	1.905 (0.86)
1-5/16	THOEX42B	1-29/32	2-21/32	3/4	9/16	14-13/16	2.105 (0.95)
1-3/8	THOEX44B	2	2-13/16	3/4	19/32	18-9/16	2.385 (1.08)
1-7/16	THOEX46B	2-1/16	2-29/32	7/8	19/32	19-1/32	2.635 (1.2)
1-1/2	THOEX48B	2-5/32	3-1/16	7/8	5/8	20-1/16	3.305 (1.5)
1-9/16	THOEX50B	2-1/4	3-3/16	7/8	22/32	20-13/16	3.265 (1.48)
1-5/8	THOEX52B	2-11/32	3-11/32	7/8	11/16	21-9/16	3.69 (1.67)

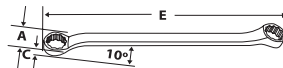


THXBM1719A



THXB2426A

Double Box, Standard Length, 10° Offset, mm



mm	12	A	C	E	Weight lbs (kg)
8-10	THXBM810A	12.3-15	6.7-7.7	185	0.14 (0.06)
11-13	THXBM1113A	16.4-19.1	8.3-9.3	219	0.23 (0.1)
12-14	THXBM1214A	17.7-20.4	8.8-9.7	230	0.25 (0.11)
13-15	THXBM1315A	19.1-21.8	9.3-10.2	241	0.32 (0.15)
14-17	THXBM1417A	20.4-25.4	9.8-11.4	248	0.35 (0.16)
16-18	THXBM1618A	23.1-25.9	10.9-11.9	275	0.48 (0.22)
17-19	THXBM1719A	24.5-27.2	11.4-12.3	286	0.48 (0.22)
18-21	THXBM1821A	25.9-29.9	11.9-13.3	303	0.58 (0.26)
22-24	THXBM2224A	31.3-34	13.7-14.7	342	0.88 (0.4)
27-30	THXBM2730A	38.1-42.2	16-17.3	404	1.45 (0.66)

Double Box, Standard Length, 10° Offset, inches

in	12	A	C	E	Weight lbs (kg)
3/8-7/16	THXB1214A	9/13-21/32	5/16-11/32	7-19/32	0.17 (0.08)
1/2-9/16	THXB1618A	3/4-13/16	11/32-13/16	8-11/16	0.305 (0.14)
5/8-11/16	THXB2022A	29/32-1	7/16-15/32	10-5/32	0.44 (0.2)
3/4-13/16	THXB2426A	1-1/16-5/32	1/2-17/32	11-21/32	0.665 (0.3)
7/8-15/16	THXB2830A	1-1/4-11/32	17/32-9/16	13-1/8	0.935 (0.042)
1-1-1/16	THXB3234A	1-13/32-1/2	19/32-5/8	14-19/32	1.28 (0.58)
1-1/4-1-5/16	THXB4042A	1-3/4-1-27/32	22/32-3/4	17-19/32	2.055 (0.93)



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

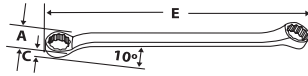


- Wear appropriate eye protection
- Be sure to use a lanyard that has more weight capacity than the tool you are attaching because drop forces are greater than actual tool weight.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES



THXSM67A

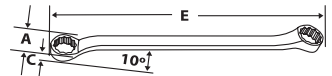


Short Handle, 10° Offset, mm

mm	12	A	C	E	Weight, lbs (kg)
6-7	THXSM67A	9.6 - 10.9	5.7 - 6.2	86	0.04 (0.02)



THXID1618A

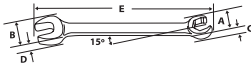


Midget, 10° Offset, inches

11	12	A	C	E	Weight, lbs (kg)
1/4-9/32	THXID1618A	13/32 - 7/16	5/32 - 3/16	3-13/32	0.045 (0.02)
5/16-11/32	THXID2022A	15/32 - 1/2	3/16 - 7/32	3-31/32	0.07 (0.03)



THRXFMS1314B

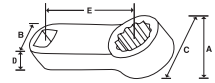


Flare Nut Double End, mm

mm	6	A	C	E	Weight, lbs (kg)
9-11	THRXFMS911B	18 - 21	7 - 8	145	0.14 (0.06)
10-12	THRXFMS1012B	20 - 22	8 - 9	153	0.15 (0.07)
13-14	THRXFMS1314B	24 - 25	9 - 10	173	0.25 (0.11)
15-17	THRXFMS1517B	26 - 29	10 - 11	193	0.36 (0.16)
16-18	THRXFMS1618B	28 - 30	11 - 12	200	0.395 (0.18)
19-21	THRXFMS1921B	32 - 34	12 - 13	223	0.555 (0.25)



THFRDH181



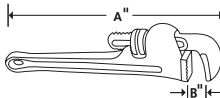
3/8" Drive Torque Adaptors, Non-Spline

Stock No.	Size	A	B	C	D	E	Weight, lbs (kg)
THFRDH101	5/16"	.475	.750	1/4	7/16	2	0.07 (0.03)
THFRDH121	3/8"	.570	.750	5/16	7/16	2	0.084 (0.04)
THFRDH141	7/16"	.655	.750	11/32	7/16	2	0.09 (0.04)
THFRDH161	1/2"	.740	.750	11/32	7/16	2	0.1 (0.05)
THFRDH181	9/16"	.825	.750	3/8	7/16	2	0.1 (0.05)



THPW14C

THPWA14A

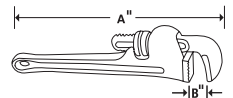


External Pipe Wrenches

Cast Iron Handle Stock No.	Cast Iron Weight, lbs (kg)	Aluminum Handle Stock No.	Aluminum Weight, lbs (kg)	A	B Max Opening
THPW6C	0.45 (0.2)	—	—	6	3/4
THPW8C	0.82 (0.37)	—	—	8	1
THPW10C	1.70 (0.77)	THPWA10A	1.11 (0.5)	10	1-1/2
THPW12C	2.58 (1.17)	—	—	12	2
THPW14C	3.65 (1.66)	THPWA14A	2.20 (1)	14	2
THPW18C	6.5 (2.94)	THPWA18A	3.58 (1.62)	18	2-1/2



THPW36C



Pipe Wrenches Over 5lbs

Cast Iron Handle Stock No.	Cast Iron Weight, lbs (kg)	Aluminum Handle Stock No.	Aluminum Weight, lbs (kg)	A	B Max Opening
THPW24C	10.5 (4.76)	THPWA24AA	6.5 (2.95)	24	3
THPW36C	20 (9.07)	THPWA36A	12.5 (5.67)	36	5

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



THBXORM1617



THBXOR1820



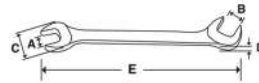
Ratcheting Box - Standard Handle - 25° Offset, MM, Blue-Point®

mm	12	A	B	E	Weight, lb (kg)
8-9	THBXORM89	18-19.3	6.4-7.6	184.2	0.12 (0.05)
10-11	THBXORM1011	21.8-22.1	8.1-8.6	203.2	0.20 (0.09)
12-13	THBXORM1213	23.6-26.6	8.9-10.2	222.3	0.26 (0.12)
14-15	THBXORM1415	27.2-28.7	10.2-10.9	241.3	0.39 (0.18)
16-17	THBXORM1617	31-32	10.9-11.9	260.4	0.51 (0.23)
18-19	THBXORM1819	34.5-36.8	12.2-13.2	279.4	0.55 (0.25)

Ratcheting Box - Standard Length - 25° Offset, Inches, Blue-Point®

11	12	A	C	E	Weight, lbs (kg)
5/16-3/8	THBXOR1012	23/32-7/8	1/4-5/16	7-1/2	0.15 (0.07)
7/16-1/2	THBXOR1416	7/8-31/32	11/32-13/32	8-3/4	0.27 (0.12)
9/16-5/8	THBXOR1820	1-1/16-7/32	13/32-7/16	9-3/4	0.41 (0.19)
11/16-3/4	THBXOR2224	1-9/32-7/16	15/32-1/2	11	0.64 (0.29)

Four-Way Angle Head, mm



mm	Stock No.	B	D	E	Weight, lb (kg)
10	THVSM5210B	20	6	127	0.09 (0.04)
11	THVSM5211B	22	6	137	0.09 (0.04)
12	THVSM5212B	24	6	145	0.12 (0.05)
13	THVSM5213B	26	6	154	0.16 (0.07)
14	THVSM5214B	28	6	164	0.18 (0.08)
15	THVSM5215B	30	7	173	0.19 (0.09)
16	THVSM5216B	31	7	181	0.23 (0.1)
17	THVSM5217B	34	7	191	0.27 (0.12)
18	THVSM5218B	36	7	200	0.30 (0.14)
19	THVSM5219B	37	7	210	0.33 (0.15)
21	THVSM5221B	41	8	228	0.46 (0.21)
22	THVSM5222B	44	8	239	0.53 (0.24)
24	THVSM5224B	47	8	254	0.60 (0.27)
27	THVSM5227B	53	9	283	0.86 (0.39)



THVSM5219B

Four-Way Angle Head, inches

11	Stock No.	B	D	E	Weight, lb (kg)
1/4	THVS8B	17/32	3/16	3-11/16	0.04 (0.02)
5/16	THVS10B	21/32	3/16	4-1/4	0.05 (0.02)
11/32	THVS11B	23/32	7/32	4-17/32	0.07 (0.03)
3/8	THVS12B	25/32	7/32	4-27/32	0.08 (0.04)
7/17	THVS14B	7/8	7/32	5-13/32	0.10 (0.05)
1/2	THVS16B	1	1/4	5-31/32	0.13 (0.06)
9/16	THVS18B	1-1/8	1/4	6-9/16	0.16 (0.07)
5/8	THVS20B	1-1/4	9/32	7-1/8	0.22 (0.1)
11/16	THVS22B	1-3/8	9/32	7-11/16	0.28 (0.13)
3/4	THVS24B	1-15/32	9/32	8-9/32	0.34 (0.15)
13/16	THVS26B	1-19/32	5/16	8-27/32	0.42 (0.19)
7/8	THVS28B	1-23/32	5/16	9-13/32	0.52 (0.24)
15/16	THVS30B	1-27/32	11/32	10	0.60 (0.27)
1	THVS32B	1-31/32	11/32	10-9/16	0.75 (0.34)



THVS24B



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Combination T and L-Shape Wrenches

- Ergonomic, soft-grip handle provides comfort during repetitive tasks
- Allows maximum pressure to be applied when loosening troublesome fasteners with both “T” and “L” applications
- Blades constructed from high strength steel and hardened for durability
- Blade tips are black oxide coated to prevent chipping and to help maintain a secure fastener engagement



THAWSGM6



THAWSG14



THGAJ15A

Screw is staked to prevent accidental loosening



THGAJ24A

- Short blade provides maximum torque for tight quarters
- Long blade promotes quick fastener turning in difficult access situations
- Hole in handle for hanging or tethering
- Color-coded handles identify metric and inch sizes at a glance
- Supplied with **THRET1CLIPSA** that can be used with optional **THUNIRET1A** Retractable Lanyard

Hex, mm Tethered Wrench

mm	Blue Handle	T-Length,mm	Length, mm	Weight, lb (kg)
2	THAWSGM2	95	152	0.07 (0.03)
2.5	THAWSGM2.5	95	152	0.08 (0.04)
3	THAWSGM3	98	152	0.09 (0.04)
4	THAWSGM4	98	187	0.11 (0.05)
5	THAWSGM5	117	187	0.20 (0.09)
6	THAWSGM6	117	246	0.28 (0.13)
8	THAWSGM8	117	246	0.40 (0.18)
10	THAWSGM10	124	248	0.53 (0.24)

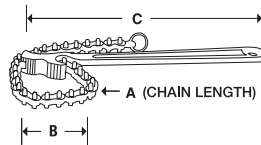
Hex, SAE® Tethered Wrench

SAE®	Red Handle	T-Length, inches	Length, inches	Weight, lb (kg)
3/32	THAWSG06	3-7/8	6	0.08 (0.04)
6/64	THAWSG07	3-7/8	6	0.08 (0.04)
1/8	THAWSG08	3-7/8	6	0.08 (0.04)
9/64	THAWSG09	3-7/8	6	0.10 (0.05)
5/32	THAWSG10	3-7/8	7-3/8	0.11 (0.05)
3/16	THAWSG12	4-3/4	7-3/4	0.20 (0.09)
7/32	THAWSG14	4-3/4	7-3/4	0.23 (0.1)
1/4	THAWSG16	4-3/4	9-5/8	0.28 (0.13)
5/16	THAWSG20	4-3/4	9-5/8	0.39 (0.18)
3/8	THAWSG24	4-3/4	9-5/8	0.51 (0.23)

Adjustable Wrenches

Stock No.	A inches (mm)	Length, inches (mm)	Weight, lb (kg)
THGAJ4A	4 (108)	1/2 (13)	0.14 (0.06)
THGAJ6A	6 (160)	1 (25.4)	0.34 (0.15)
THGAJ8A	8 (210)	1-1/8 (29)	0.67 (0.3)
THGAJ10A	10 (260)	1-9/32 (33)	1.04 (0.47)
THGAJ12A	12 (310)	1-1/2 (38)	1.69 (0.77)
THGAJ15A	15 (385)	1-19/32 (43)	2.78 (1.26)
THGAJ18A	18 (450)	2-1/16 (52)	4.01 (1.82)
THGAJ24A	24 (610)	2-7/16 (62)	8 (3.62)
THGAJS30A	30 (778)	3-11/32 (85)	15 (6.8)

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



Chain Wrenches

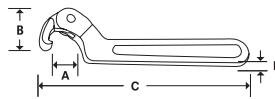
Stock No.	A	B	C	Weight, lb (kg)
THCW12A	16	4	12	1.85 (0.84)
THCW15A	19	5	15	2.65 (1.2)
THCW24A	23	6	24	4.10 (1.86)



THCW24A

Adjustable Hook Spanners

- Services collars, rings, and bearings
- Single jaw and roll pin construction with an industrial finish
- Make sure jaw hook is properly positioned when in use



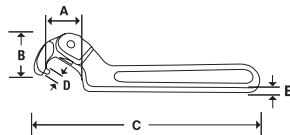
Stock No.	A	B	C	D	Weight, lb (kg)
THAHS300B	3/4-2	1/8	6-3/8	11/32	0.29 (0.13)
THAHS301B	1-1/4-3	5/32	8-1/8	13/32	0.49 (0.22)
THAHS304B	2-4-3/4	3/16	11-3/8	15/32	0.98 (0.44)
THAHS307B	4-1/2-6-1/2	1/4	12-1/8	15/32	1.06 (0.48)



THAHS304B

Adjustable Pin Spanners

- Removes rings, collars, and lock nuts
- Make sure jaw hook is positioned correctly when in use



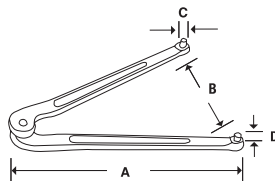
Stock No.	A	B	C	D	E	Weight, lb (kg)
THAPS351B	3/4-2	1/8	6-3/8	1/8	11/32	0.28 (0.13)
THAPS357B	1-1/4-3	3/16	8-1/8	3/16	11/32	0.48 (0.22)
THAPS363B	2-4-3/4	1/4	11-3/8	1/4	15/32	0.91 (0.41)



THAPS363B

Adjustable Face Pin Spanners

- For servicing seal and packing nuts on hydraulic cylinders.



Stock No.	A	B	C	D	Weight, lb (kg)
THAFS482B	6-3/8	2	3/16	5/32	0.32 (0.15)
THAFS483B	8-1/4	3	1/4	3/16	0.61 (0.28)
THAFS484B	10-3/8	4	5/16	1/4	0.99 (0.45)



THAFS484B



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

TORQUE WRENCHES

ControlTech™ Industrial Electronic Torque Wrenches

- Torque accuracy: +/- 2% CW, +/- 3% CCW from 20 to 100% F.S.; +/- 4% CW, +/- 6% CCW from 5 to 19% F.S.
- New lock button square drive and battery cap with integral attachment point for use in dropped object prevention applications
- Fully programmable for reliable, repeatable torque application
- Three feedback methods work for both torque and angle: visual (LCD and LED); audible (beep); and tactile (vibration)
- Dual 80° technology on all 72 and 80 tooth
- Torque and angle presets can be selected and torque jobs can be created with presets
- Steel construction and rugged gyroscope provide extreme drop protection
- Real-time clock to indicate when calibration is required

Battery cap with integral attachment point and lock button square drive



Lanyard Sold Separately

THCTEC1FR240

- 50 memory presets, sequence programming and job mode
- USB plug and play technology for easy data download to PC
- High storage capacity for 1,500 readings
- Industry-leading 2 year warranty

Square Drive	Stock No.	Head Type	Gear Action	Gear Teeth	Range N•m	Range ft-lb	Range in-lb	Ratchet Service Kit	Head Depth, inches	Head Width, inches	Length, inches	Weight lbs
1/4"	THCTEC1FR240	Flex Ratchet	5°	72	1.4–27.2	1–20	12–240	THRKR72LB	7/16	7/8	14.1	2
3/8"	THCTEC2FR100	Flex Ratchet	4.5°	80	6.8–135.6	5–100	60–1,200	THRKR780LB	1-3/16	9/16	17.2	2.7
1/2"	THCTEC3FR250	Flex Ratchet	4.5°	80	16.9–339	12.5–250	150–3,000	THRKR80A	3/4	1-5/8	26.7	4.5
3/4"	THCTEC4R600*	Fixed Ratchet	11°	32	40.7–813.5	30–600	360–7,200	RKRQC4	1-1/2	3-1/8	48.6	10.5
1/4"	THCTEL1R240*	Fixed Ratchet	5°	72	1.4–27.2	1–20	12–240	THRKR72LB	7/16	7/8	14.1	1.2

* Storage Case Included

Complies with ISO®-6789-2003 and ASME® 8107.300 (8107.28) standards for electronic torque instruments.

Techwrench®

- Torque accuracy TECH1, 2 and 3 ratchet head models: 1% CW, 1.5% CCW 2% CW, 3% CCW from 10 to 19% F.S. 4% CW, 8% CCW from 5 to 9% F.S. (TECH2 only)
- Manual peak store, recall, clear and print functions
- Memory capacity: 1000 peak readings
- TechLog™ download software CD included
- Excel® Download Template with basic statistics
- Date/time Excel® download template (wrench connected to PC)
- Serial RS232, with selectable 1200 to 19.2K baud rate
- Serial cable: 6' with 9 pin PC interconnect included
- Dual 80° technology on all 72 and 80 tooth



THTECH2R100

Applications:

- Automotive service: printout provides assurance that lug nuts, head bolts, etc. have been tightened to specification
- Assembly operations: gather data to manage quality
- Manufacturing ISO and SPC®: generate statistics for technical files and process auditing
- Military: document compliance with maintenance schedules and inspections
- Aviation: include torque data in maintenance reports

Square Drive	Stock No.	Head Type	Gear Teeth	Swing Arc	Range N•m	Range, ft-lb	Range, in-lb	Head Depth, inches	Head Width, inches	Length, inches	Weight, lbs (kg)
3/8"	THTECH2R100	Sealed Fixed Ratchet	80	4.5°	6.7–135	5–100	60–1,200	5/8	1-5/32	17-1/4	3.20 (1.45)
1/2"	THTECH3R250	Sealed Fixed Ratchet	80	4.5°	34–339	25–250	300–3,000	3/4	1-5/8	26-1/4	5.12 (2.32)

Adjustable Click-Type Torque Wrenches

- Certificate of Calibration. A Certificate of Calibration is packed with every QD series torque instrument. Actual certification readings and individual instrument serial numbers are included. Each torque instrument, as calibrated at the factory, is certified to meet the accuracy specified in ASME® and was calibrated on a torque standard traceable to the National Institute of Standards Technology (NIST®)
- Accuracy. All QD series torque instruments are accurate to ±4% clockwise and ±6% counterclockwise from 20% of full scale to full scale



THQD3R250A

- Long Life Ratchet Head. QD series torque instruments feature the Snap-On® high strength sealed ratchet head. Sealed ratchet heads keep out dirt and moisture while being virtually maintenance-free. Applies to all QD series ratchet head models. (U.S. Patent 6,125,722) applies to 1/4, 3/8 and 1/2" drive ratchet head models only
- Long Term Protection. Each instrument includes a storage case

Square Drive inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, Minimum	Range, Maximum	Increments	Length, inches	Head Width, inches	Head Depth, inches	Weight, lb (kg)
U.S. Torque Instruments (ft lb)											
3/8	THQD2FR75	Flex Ratchet	36	10°	5 ft-lb	75 ft-lb	.5 ft-lb	15.75	1-5/32	9/16	3.28 (1.49)
3/8	THQD2R100A	Fixed Ratchet	36	10°	20 ft lb	100 ft lb	.5 ft lb	15-9/16	1-5/32	9/16	3.30 (1.5)
1/2	THQD3R250A	Fixed Ratchet	36	10°	50 ft lb	250 ft lb	1 ft lb	24-3/16	1-5/8	3/4	4.80 (2.18)
Newton Meter Torque Wrenches/+4% Accuracy											
3/8	THQD2RN50A	Fixed Ratchet	36	10°	10 N•m	50 N•m	.5 N•m	15-9/16	1-5/32	9/16	3.28 (1.49)
3/8	THQD2RN100A	Fixed Ratchet	36	10°	20 N•m	100 N•m	.5 N•m	15-9/16	1-5/32	9/16	3.27 (1.48)
1/2	THQD3RN350	Fixed Ratchet	36	10°	70 N•m	350 N•m	2 N•m	24-3/16	1-5/8	3/4	4.87 (2.21)

SCREWDRIVERS / HAMMERS



Hard Handle Instinct® Screwdrivers

Tip	Stock No.	A	B	C	D	Weight, lb (kg)
Flat Tip	THSHD2AR	.035	7/32	2-13/16	6-15/16	0.25
Flat Tip	THSHD6AR	.050	5/16	5-5/16	10-27/32	0.52
Flat Tip	THSHD8AR	.055	3/8	7-29/32	13-13/32	0.8
Phillips®	THSHDP31AIRR	#1	3/16	2-31/32	7-1/8	0.2
Phillips®	THSHDP42AIRR	#2	1/4	3-31/32	8-7/8	0.52
Phillips®	THSHDP63AIRR	#3	5/16	5-29/32	10-13/16	0.25
Phillips®	THSHDP64AIRR	#4	3/8	6	11-1/2	0.5



Scaffold Hammer

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

Stock No.	Grip Length, inches	Overall Length, inches	Weight, lb (kg)
THFSNE3-22SM	7-1/4	16	2.13 (.97)



HBBD Series Dead Blow Hammers

- Free-flowing steel canister shot design to improve dead blow action while reducing rebound
- Soft grip handle with ribbed, textured elastomer grip prevents hand slippage
- Composite handle shank improves balance while defusing shock and dampening vibration

Stock No.	Nominal Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches	Weight, lb (kg)
THHBD8	8	4	1	11-5/8	1.03 (0.47)
THHBD16	16	4-3/8	1-1/4	12-1/4	1.42 (0.64)
THHBD24	24	4-3/4	1-3/8	12-3/4	1.97 (0.89)
THHBD32	32	5-3/4	1-3/4	13-5/8	2.80 (1.27)
THHBD40	40	5-3/4	1-3/4	15-1/8	2.90 (1.32)



THBD10ESGA

Heavy Duty Sledge Hammers

Stock No.	Description	Nominal Weight (lbs)	Overall Length, inches	Face Diameter, inches	Weight, lb (kg)
THBC110BA	Dead Blow 8 lb Sledge Hammer	8	30	2-3/4"	8.94 (4.06)
THBC114B	Dead Blow Sledge Hammer	12	36"	3-1/4"	11.5 (5.22)
THBD6ESGA	Heavy-Duty 6 lb Sledge Fiberglass Hammer	6	18"	1-5/8"	6.86 (3.11)
THBD10ESGA	Heavy-Duty 10 lb Sledge Fiberglass Hammer	10	32"	2	12.20 (5.53)

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not strike another hammer or hardened object
- Do not use chipped or mushroomed hammers
- Read safety precautions on pages W1 to W4



THSGDE225ESD



THSGDP200ESD

Electronic Miniature Screwdrivers

- Feature rotating handles making them ideal for precise detail work

Tip	Stock No.	A	B	C	D	Weight, lb (kg)
Flat Tip	THSGDE215ESD	1.5	3/32	22	5-3/4	0.04
	THSGDE220ESD	2.0	3/32	22	5-3/4	0.04
	THSGDE225ESD	2.5	3/32	22	5-3/4	0.04
	THSGDE230ESD	3.0	1/8	22	5-3/4	0.04
Phillips®	THSGDEP20ESD	#00	1/8	22	5-3/4	0.04
	THSGDP200ESD	#0	1/8	22	5-3/4	0.04



THHBE48

HBFE Series Dead Blow Hammers

- Free-flowing shot design to improve dead blow action while reducing rebound
- Compact head has larger surface striking area and heavier caps to improve delivered force by as much as 40%

Stock No.	Nominal Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches	Weight, lb (kg)
THHBE16	16	3-1/4	1-9/16	12	1.19 (0.54)
THHBE24	24	3-3/4	1-3/4	12-3/4	1.43 (0.65)
THHBE32	32	4-1/4	2	13-1/2	2.00 (0.91)
THHBE48	48	4-3/4	2-1/4	15	2.99 (1.36)
THHBE56	56	5-7/16	2-3/4	15-3/4	3.69 (1.67)



THHBR15

Brass (Fiberglass Handle)

- Non-sparking/non-marring surface for many applications
- Brass head absorbs blow and reduces rebound
- Flat surface for even distribution of blow
- Comfortable, nonslip handle grip

Stock No.	Nominal Weight, oz	Length, inches	Tethered Weight, lb (kg)
THHBR15	1-1/2	12	1.95 (0.88)
THHBR25	2-1/2	12	2.75 (1.25)
THHBR4	4	12	4.25 (1.93)



THBPN32B



THBC4SG

Heavy Duty Fiberglass Handle Hammers

- Dampens vibration and provides strength and safety
- Handle is resistant to dry rot, warp, and splintering
- Fiberglass handle dampens vibration and provides extra strength and security
- Handle is epoxy welded to hammerhead and will withstand 8,000 lbs of separation force
- Comfortable, non-slip handle grip
- Materials will resist most shop chemicals

Stock No.	Description	Nominal Weight, lbs	Striking Face Diameter, inches	Handle Length, inches	Overall Length, inches	Tethered Weight, lbs (kg)
THBPN32B	Ball Peen 32-Ounce Fiberglass Hammer	2	-	-	16	2.55 (1.16)
THBC4SG	Cross Peen	4	1-1/2	12	14	4.68 (2.12)
THBD4SG	Engineer	4	1-1/2	12	14	4.70 (2.13)
THHD4SG	Hand Drilling	4	1-1/2	8-3/4	10-3/4	4.20 (1.91)

MISCELLANEOUS TOOLS



TH86ACF

Diagonal Cutter

Stock No.	Overall Length inches	Jaw Length inches	Weight, lbs (kg)
TH85ACF	5	9/16	0.20 (0.09)
TH86ACF	7-3/8	13/16	0.43 (0.2)
TH87ACF	6-5/16	3/4	0.64 (0.29)
TH388ACF	8-5/16	1-1/16	0.76 (0.34)



TH95BCP

Needle Nose Pliers

Stock No.	Overall Length inches	Jaw Length, inches	Weight, lb (kg)
TH95BCP	6	1-11/16	0.26 (0.12)
TH196ACF	8	2-1/4	0.49 (0.22)
TH96CF	8	2-1/4	0.51 (0.23)
TH97ACF	8	3-3/16	0.49 (0.22)



TH137ACF



THHL138ACP

Combination Slip Joint Pliers

Stock No.	Description	Overall Length inches	Jaw Length inches	Weight, lbs (kg)
TH137ACF	Heavy-Duty Combination Slip Joint Pliers	8-3/16	27/64	0.73 (0.33)
THHL138ACP	High-Leverage Combination	7-7/8	1-1/16	0.66 (0.3)



TH59AHL

Linesman's Pliers

Stock No.	Jaw Width	Overall Length inches	Weight, lbs (kg)
TH59AHL	1/2	9-1/2	.066 (.30)



THAWP120

Tongue and Groove

Stock No.	Description	Overall Length, inches	Jaw Opening/ Capacity	Jaw Positions	Weight, lbs (kg)
THAWP45	Straight Serrated	4-3/4	1/2	3	0.15 (0.07)
THAWP65	Straight Serrated	7	7/8	5	0.40 (0.18)
THAWP120	Adjustable Joint Pliers, 12-3/4 Long	12-3/4	2-3/16	7	1.57 (0.71)
THAWP160	Straight Serrated	16-3/4	3-3/16	8	3.03 (1.37)



THLP7WR



THLP6LN



THLP10WR

Locking Pliers

Stock No.	Description	Overall Length, inches	Jaw Opening/ Capacity	Weight, lbs (kg)
THLP5WR	Locking Pliers - Curved Jaw w/cutter	5	1-5/32	0.39 (0.18)
THLP7WR	Locking Pliers - Curved Jaw w/cutter	7	1-5/8	0.84 (0.38)
THLP6LN	Locking Pliers - Long Nose	6	2-1/8	0.44 (0.2)
THLP10WR	Curved Jaw with Cutter Locking Pliers	10	2-7/16	1.41 (0.64)

MISCELLANEOUS TOOLS



THPRH57A

Interchangeable Tip/Convertible Pliers

Stock No.	Overall Length inches	Ring Size Range, inches	Weight, lb (kg)
THPRH56A	6-3/8	Internal 1/4-1; External 1/8-1	0.34 (0.15)
THPRH57A†	8	Internal 3/8-2; External 1/4-2	0.56 (0.25)
THPRC65A	10	Internal 1-13/64-4; External 1-1/3-4	1.22 (0.55)



TH29ACF

Terminal Crimping Pliers with Cutter

- Cold-formed heat treated rivet for smooth action and long life
- Precision machined joint and cutting edges, hardened wire cutter with “Knife to Anvil” design, never needs sharpening

Stock No.	Description	Overall Length inches	Crimps	Weight, lbs (kg)
TH29ACF	Terminal Crimping Pliers with Cutter	9-3/8	10, 12, 14, 16, 18, 20, 22 AWG Insulated and Non-Insulated	0.80 (0.36)



THPWC22B



THPWCS9CF

Wire Stripper

Stock No.	Description	Overall Length inches	Strips AWG Sizes	Application	Weight, lbs (kg)
THPWC22B	Automatic Wire Stripper with Cutter	7-1/4	12, 14, 16, 18, 20	Strips PVC, THHN, and THWN	0.26 (0.12)
THPWCS9CF	Wire Stripper/Cutter/Crimper/Bolt Cutter	8-3/4	Stranded Wire: 8, 10 Solid Wire: 20, 16	-	1.00 (0.45)



THWTR1A

Wire Twister/Stripper

Stock No.	Description	Overall Length, inches	Jaw Opening/ Capacity	Weight, lbs (kg)
THWTR1A	Reversible Wire Twister	8-3/4	0.041	0.61 (0.28)



THPWC80A

Cable Cutter

Stock No.	Description	Overall Length inches	Weight, lb (kg)
THPWC80A	For cutting battery cables and other soft metal cables. Vinyl covered Handles	7-1/2	0.57 (0.26)

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Plastic coated handles on these pliers and cutters do not protect against electric shock
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages 906-907 for details.
- Read safety precautions on pages W1 to W4



MISCELLANEOUS TOOLS



Tools@Height 1-1/16" Bull Pin with Position Adjustable Shackle

JHWBP3410TH 10" OAL

JHWBP4014TH 14" OAL

KLE5417T Bull Pin Leather Holder

- Engineered attachment points don't interfere with the functionality of the tools
- Snap-on® Tools@Height System tethers each tool with its own lanyard, minimizing exchanges and reducing the likelihood of drops
- 1-1/16" 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
- 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
- Broadhead angle allows shackle to pass from side to side even as head mushrooms from being struck



Tools @ Height Wedge

JHWWG6412TH 12" OAL

JHWWG2408TH 8" OAL

- Engineered attachment points don't interfere with the functionality of the tools
- Snap-on® Tools@Height System tethers each tool with its own lanyard, minimizing exchanges and reducing the likelihood of drops
- 12" wedge for most separating and positioning tasks
- Wedge designed to allow the shackle to swivel fully from one side to the other
- Stainless steel shackle and hardware 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

THCARA25FTB
SST Carabiner to
carabiner bungee
lanyard, medium
duty for Wedge &
Bull Pin



THNPB124B

Miscellaneous Tethered Tools

- Slotted claw on "gooseneck" end and a chisel configuration

Stock No.	Overall Length, inches	Sq. Stock, inches	Weight, lbs (kg)
THNPB124B	24	3/4	3.35 (1.52)



THPBMP16A

Pry Bars - Multiposition

- Each pry bar features 17 incremental angles of 15° to provide great flexibility
- High leverage design with smooth radius head provides maximum leverage when lifting
- Manufactured from special alloy steel, precision-forged and heat-treated for strength and durability
- The industrial finish helps protect against corrosion

Stock No.	Tip Width, inches	Length, inches	Weight, lb (kg)
THPBMP8A	1/2	8	0.44 (0.2)
THPBMP12A	5/8	12	1.07 (0.49)
THPBMP16A	5/8	16	1.32 (0.6)
THPBMP24A	1	24	3.56 (1.61)
THPBMP36A	1	36	4.86 (2.2)



THSGF8R

Bastard Cut Individual Files

Stock No.	Type	Cut	Length, inches	Weight, lbs (kg)
THSGF8R	Round Files	—	8	0.26 (0.12)
THSGF8MA	Mill Files	—	8	0.30 (0.14)
THSGF10MA	Mill Files	—	10	0.55 (0.25)
THSGF6T	Three Square File	5-1/2	6	0.22 (0.10)



THHS50

THHS5A

THHSG319

Saws

Stock No.	Description	Length, inches	Blade size	Weight, lb (kg)
THHS50	Quick Cutter hand Saw – Includes 3 blades	—	—	0.50 (0.23)
THHS5A	Mini-Hacksaw Frame	8-1/4	10 (250)	0.28 (0.13)
THHSG319	Bi Mold Soft Grip Handle Hacksaw	14-3/4	12 (305)	1.25 (0.57)



THPK53A



THPKB50A

Putty Knife/Scraper

- Full-length steel blades for strength and durability
- Soft molded rubber handles maximize handgrip, are easy to clean and resistant to most solvents
- Broad hilt design helps protect against hand slipping when scraping

Stock No.	Blade Length, inches	Blade Width, inches	Blade Style	Weight, lb (kg)
THPK53A	3-19/32	1-1/4	Stiff Chisel	0.23 (0.1)



THCSA8C



THCSA12C

Scraper

Stock No.	Description	Overall Length, inches	Blade Width, inches	Weight, lbs (kg)
THCSA8C	Rigid Carbon Scraper	7-5/8	7/8	0.34 (0.15)
THCSA12C	12-7/8" Rigid Carbon Scraper, Black	12-7/8	1	0.495 (0.22)

THFSN25100



THGA52B



THPCD2010247



THPPC5A



THTPMA25EM



THUTK100



Miscellaneous

Stock No.	Description	Overall Length, inches	Weight, lbs (kg)
THFSN25100	Stabila 10" Torpedo Level	10"	1 (0.45)
THGA52B	Tools/Height Inspection Mirror, 1-3/16" x 1-1/2"	10"	0.2 (0.09)
THPCD2010247	Tools/Height Flashlight Class 1 Division	7-1/2"	0.65 (0.29)
THPPC5A	6-15/16" Punch/ Chisel Holder	6-15/16	0.6 (0.27)
THTPMA25EM	Tape Measure	-	1.45 (0.66)
THUTK100	Retractable Knife	7-1/4"	0.513 (0.23)
THYA728A	Grease Gun, 6000 PSI Lever Type W/18" Hose	9-3/16"	4.14 (1.88)



THYA728A

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Read safety precautions on pages W1 to W4



1000V TOOLS

Snap-on® Industrial Tools@Height™ POWER-SAFE tools comply with EN60900. They are tested to 10,000V and marked with the 1000V symbol. A sample of each type of tool from every production run is dropped tested, stripped-down, inspected and certified.

Strong, durable and high quality, Snap-on® POWER-SAFE pliers and cutters feature an isolated lanyard attachment point integrated with the handle.



THOEM17KV

Single Open-End Wrenches, Standard Handle, mm

Stock No.	Description	Open End Width	Open End Depth	Length, inches	Weight, lbs
THOEM6KV	1000V Insulated Wrench 6mm, O/E	5/8	7/32	5-9/16	0.1
THOEM7KV	1000V Insulated Wrench 7mm, O/E	5/8	7/32	5-9/16	0.1
THOEM8KV	1000V Insulated Wrench 8mm, O/E	13/16	5/16	6	0.1
THOEM9KV	1000V Insulated Wrench 9mm, O/E	15/16	5/16	6-3/8	0.15
THOEM10KV	1000V Insulated Wrench 10mm, O/E	1	5/16	6-3/4	0.15
THOEM11KV	1000V Insulated Wrench 11mm, O/E	1-1/16	5/16	6-3/4	0.15
THOEM12KV	1000V Insulated Wrench 12mm, O/E	1-1/8	5/16	7	0.2
THOEM13KV	1000V Insulated Wrench 13mm, O/E	1-1/4	5/16	7	0.2
THOEM14KV	1000V Insulated Wrench 14mm, O/E	1-3/8	5/16	7-3/8	0.2
THOEM15KV	1000V Insulated Wrench 15mm, O/E	1-3/8	5/16	7-9/16	0.2
THOEM16KV	1000V Insulated Wrench 16mm, O/E	1-1/2	3/8	7-7/8	0.3
THOEM17KV	1000V Insulated Wrench 17mm, O/E	1-5/8	3/8	8-9/16	0.35
THOEM18KV	1000V Insulated Wrench 18mm, O/E	1-5/8	3/8	8-9/16	0.35
THOEM19KV	1000V Insulated Wrench 19mm, O/E	1-3/4	3/8	8-7/8	0.35



THXOM17KV

Single Box-End Wrenches, Standard Handle, mm

Stock No.	Description	Open End Width	Open End Depth	Length, inches	Weight, lbs
THXOM6KV	1000V Insulated Wrench 6mm	1/2	1/4	7-3/4	0.2
THXOM7KV	1000V Insulated Wrench 7mm	9/16	3/8	8	0.2
THXOM8KV	1000V Insulated Wrench 8mm	5/8	3/8	8-1/4	0.2
THXOM9KV	1000V Insulated Wrench 9mm	11/16	3/8	8-1/4	0.2
THXOM10KV	1000V Insulated Wrench 10mm	3/4	3/8	8-1/2	0.25
THXOM11KV	1000V Insulated Wrench 11mm	13/16	3/8	8-1/2	0.25
THXOM12KV	1000V Insulated Wrench 12mm	13/16	3/8	8-1/2	0.25
THXOM13KV	1000V Insulated Wrench 13mm	15/16	13/32	8-1/2	0.3
THXOM14KV	1000V Insulated Wrench 14mm	1	13/32	8-1/2	0.3
THXOM15KV	1000V Insulated Wrench 15mm	1-1/16	15/32	9-1/2	0.35
THXOM16KV	1000V Insulated Wrench 16mm	1-1/8	15/32	10	0.4
THXOM17KV	1000V Insulated Wrench 17mm	1-3/16	1/2	10	0.45
THXOM18KV	1000V Insulated Wrench 18mm	1-1/4	1/2	10-1/2	0.5
THXOM19KV	1000V Insulated Wrench 19mm	1-5/16	9/16	10-1/2	0.55



THAWMCG8KV

T-Handle Hex Wrenches, mm

Stock No.	Description	Length, inches	T-Handle Length, inches	Weight, lbs
THAWMCG3KV	1000V Insulated T-Handle Hex Wrench, 3mm	6	4-1/2	0.25
THAWMCG4KV	1000V Insulated T-Handle Hex Wrench, 4mm	6	4-1/2	0.3
THAWMCG5KV	1000V Insulated T-Handle Hex Wrench, 5mm	6	5-1/2	0.45
THAWMCG6KV	1000V Insulated T-Handle Hex Wrench, 6mm	6	5-1/2	0.45
THAWMCG8KV	1000V Insulated T-Handle Hex Wrench, 8mm	6	6-1/2	0.75
THAWMCG10KV	1000V Insulated T-Handle Hex Wrench, 10mm	6	6-1/2	0.8



THAD12AKV

Adjustable Wrenches

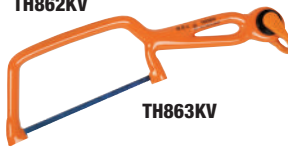
Stock No.	Description	Length, inches	Max Opening, inches	Weight, lbs
THAD12AKV	1000V 12" Adjustable Wire	13-7/16	1-11/32	1.85
THAD6AKV	1000V 6" Adjustable Wrench	7-1/2	25/32	0.4



TH862KV

Saws

Stock No.	Description	OAL, inches	Weight, lbs
TH862KV	1000V Insulated Hacksaw	20	1.75
TH863KV	1000V Insulated Junior Hacksaw	11-1/2	0.4



TH863KV

Screwdrivers



THSD872kV



THSDP877kV

Stock No.	Description	Tip Size inches	Shank Diameter	Blade Length inches	OAL inches	Weight lbs
THSD869kV	1000V S/Driver 0.5 x 3.5 x 100mm	.020 x 1/8	3/16	3-3/4	6-3/4	0.5
THSD870kV	1000V S/Driver 0.8 x 4 x 75mm	.032 x 5/32	1/4	3-1/4	7-1/4	0.15
THSD871kV	1000V S/Driver 1.0 x 5 x 75mm	.040 x 3/16	1/4	3-1/4	7-1/2	0.15
THSD872kV	1000V S/Driver 1.2 x 6.5 x 125mm	.047 x 1/4	5/16	6	10	0.25
THSD873kV	1000V S/Driver 1.2 x 8 x 150mm	.047 x 5/16	5/16	6	10-1/2	0.35
THSD874kV	1000V S/Driver 1.6 x 10 x 200mm	.063 x 3/8	3/8	8-1/2	13-1/4	0.6
THSDP875kV	1000V S/Driver PH1 X 75mm	P1	1/4	3-1/4	7-1/4	0.15
THSDP876kV	1000V S/Driver PH2 x 100mm	P2	5/16	5	9	0.25
THSDP877kV	1000V S/Driver PH3 x 150mm	P3	3/8	6-1/2	10-3/4	0.35
THSDZ878kV	1000V S/Driver PZ1 X 75mm	PZ1	1/4	3-1/4	7-1/4	0.15
THSDZ879kV	1000V S/Driver PZ2 x 100mm	PZ2	5/16	5	9	0.25
THSDZ880kV	1000V S/Driver PZ3 x 150mm	PZ3	3/8	6-1/2	10-3/4	0.35



TH2619KV



TH497CFKV



TH57AHLPKV



TH59AHLPKV



TH807KV



TH84CFKV



THPWC14KV



THPWC80KV

Pliers

Stock No.	Description	Number of Jaw Positions	Jaw Thickness, inches	Jaw Length, inches	Jaw Capacity, inches	OAL, inches	Weight, lbs
TH2619KV	1000V 9"/250mm Waterpump	7	-	-	2-1/2	11	0.9
TH497CFKV	1000V 90° Bent Nose Pliers	-	-	-	2-5/8	8	0.65
TH57AHLPKV	1000V Lineman Pliers 7"/190mm	-	1/2	-	-	9	0.85
TH59AHLPKV	1000V Linesman Pliers 9"/235mm	-	1/2	-	-	10-3/4	1.35
TH807KV	1000V Wire Stripping Pliers	-	-	-	10-22 AWG	7-1/2	0.4
TH84CFKV	1000V Diagonal Cutters 7"/190mm	-	-	3/8	-	5-5/8	0.3
TH91ACPKV	1000V Adjustable Pliers 9"/235mm	5	-	-	1-3/8	10-3/4	1
TH95CFKV	1000V 5"/150mm Needle Nose Pliers	-	-	1-11/16	-	7-1/2	0.4
THPWC14KV	1000V Wire Stripper/Cutter/Crimper	-	-	-	8-22 AWG	10	0.55
THPWC80KV	1000V Cable Cutters, 7"/190mm	-	-	-	-	9	0.75

1000V Insulated Hammer

Stock No.	Description	Length, inches	Tip Size, inches	Weight, lbs
THHBPT16KV	1000V Insulated Hammer, 24 oz	12-7/8	1-1/16	1.7



THHBPT16KV

**WARNING**

- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not use damaged 1000V tools
- Read safety precautions on pages W1 to W4

UNIVERSAL ATTACHMENT POINTS



Tool Cinch Attachments

- Patent-pending Tool Cinch Attachment Points are third-party load rated for 35 pounds
- The **PYT1500018** and **PYT1500016** feature stabilization wings that can be taped down using Quick Wrap Tape to create a secure 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
- **PYT1500012** is perfect for tools with closed handles or pre-drilled holes
- Built-in battery life indicator, so you will know your light's battery level before you go in, 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
- **PYT1500015** 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

Stock No.	Description	Max Load lbs.	Quantity
PYT1500012	Tool Cinch Medium Duty	35	10
PYT1500014	Tool Cinch Single Wing Medium Duty	35	10
PYT1500016	Tool Cinch Dual Wing Medium Duty	35	10
PYT1500018	Tool Cinch Heavy-Duty	80	10



D-Rings

- D-Rings combined with Quick Wrap Tape can create attachment points on tools that are otherwise impossible to tether.
- The non-conductive variant also available (**PYT5225N**)
- Third-party load rated for 5 pounds and 2 pounds

Stock No.	Description	Weight Rating	Maximum Tether Length
THAPCINCH15	Attach Point with SST, 15 lb	15 lbs	6 Feet
THAPLOOP10	Attach Point Load Ring with Corded Loop, 10 lb	10 lbs	6 Feet
THAPSST10	Attach Point with SST, 10 lb	10 lbs	6 Feet
THAPSST5	Attach Point with SST Load Ring, 5 lb	5 lbs	6 Feet
THAPSWIV5	Attach Point with SST, 5 lb	5 lbs	6 Feet



Quick Spins

- 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
- The body is made from a Thermoplastic Rubber and Polyester material (TPU), the spin tops are made of polyacetal and black carbon (POM)

Stock No.	Diameter inches	Load Rating (Pounds)	Quantity
PYT1500029	1	1, .5	10
PYT1500030	1.2	1, .5	10
PYT1500031	0.3	Not Rated	10
PYT1500032	0.3	Not Rated	10
PYT1500033	0.5	Not Rated	10



D-Rings

- D-Rings combined with Quick Wrap Tape can create attachment points on tools that are otherwise impossible to tether.
- The non-conductive variant also available (**PYT5225N**)
- Third-party load rated for 5 pounds and 2 pounds

Stock No.	Description	Quantity
PYT1500003	D-Ring 0.5" X 2.25"	10
PYT1500004	D-Ring 0.5" X 2.25"	100
PYT1500005	D-Ring 0.5" X 2.25" Non-Conductive	10
PYT1500006	D-Ring 0.5" X 2.25" Non-Conductive	100
PYT1500008	D-Ring 1" X 3.5"	50

UNIVERSAL ATTACHMENT POINTS



PYT1500169

Quick Wrap Tape

- Quick Wrap Tape is made from 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.

Stock No.	Length inches	Quantity	Width inches	Color
PYT1500169	108	10	1	Blue
PYT1500175	108	10	1	Yellow



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

Heat Shrink

- 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.

Stock No.	Length inches	Diameter inches	Quantity
PYT1500019	1.75	0.75	25
PYT1500020	1.75	1	25
PYT1500021	2	1.5	25
PYT1500022	4	2	10
PYT1500023	4	3	10

Tools not included



PYT1500010

Micro D-Ring

- Micro D-Ring is an attachment point that can be used on small tools and equipment that are otherwise not possible to tether
- DR-MICRO is a flexible piece of ballistic plastic that can conform to the shape of many objects
- Industrial grade double-sided adhesive tape sticks to the bottom of the Micro D-Ring, allowing it to be attached to a clean surface

Stock No.	Quantity
PYT1500010	10



PYT1500090

Universal Battery Holster for Cordless Tools

- 10 lb capacity
- Holster is adjustable to fit most 18 and 20V cordless tool batteries
- Cinch is used to create an attachment point for tool lanyards
- Fits most 18V and 20V cordless tool batteries

Stock No.	Description
PYT1500090	Universal Battery Holster for Cordless Tools

Tool lanyards not included with tool holsters unless otherwise stated.
Tools not included with tool holsters.



WARNING



- Wear appropriate eye protection
- 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.
- Any tool that weighs more than 5 pounds should be attached to an anchor point such as a work platform or utility bucket rather than the operator.
- Do not exceed rated capacity
- Read safety precautions on pages W1 to W4