APEX

Industrial Fastener Tools

TC-100EN 0308 12.5M

COOPER PowerTools

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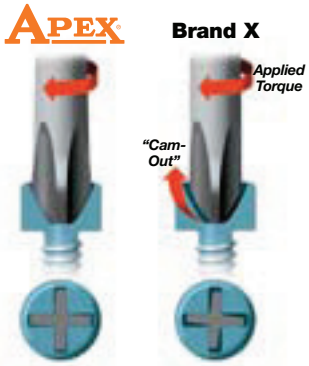
The Apex heritage of qual

For more than half a century Apex has maintained a position of leadership in industrial fastening tools. Today, Apex stands ready to improve the productivity of assembly operations around the world with unsurpassed tool performance and customer service.

Precision Fit

Apex quality begins with select raw materials. Only carefully chosen, high grade tool steel is used. Each tool is manufactured to the tightest tolerances in the industry...most are even tighter than licensing agreement requirements. Our bits meet the most stringent government and military specifications where applicable (ie. MIL-B-9946/5 for HTS Hi-Torque® bits used in aerospace assembly).



Precision fit of Apex tools eliminates "cam-out" and premature bit failure.

Apex sockets, nutsetters and universal wrenches have hex tolerances that are on average 48% tighter than DIN and 35% tighter than ANSI requirements. With Apex you are assured of an exact, sure fit.

All Apex sockets and extensions have the tightest tolerances for straightness and concentricity in the industry. Tools that run true perform better and last longer.

Precision-manufactured Apex tools are virtually wobble-free.

Lasting Performance

Each Apex tool is tempered with our proprietary heat treating process that lets you select the degree of hardness your particular application requires. Choose from tough, non-brittle durability that stands up to torque, to the hardest heat treat available in the industry for the ultimate in wear resistance.

Apex bits & sockets last ten times longer than most of our competitors.

Apex offers a choice of three heat treat hardness levels in many of our screwdriver bits to match the application. These heat treats are specified by a letter suffix as follows:

X - *Hardest heat treat in the industry*
I - *Intermediate hardness*
R - *Lowest hardness*

Our experienced staff can help in selecting the best heat treat for your particular application.

ity, delivery and support.

Innovative Solutions

Throughout our history Apex has partnered with the leading fastener manufacturers to assist in the development of new fastening technologies. Today, many of these new tools that are now common can trace their history back to Apex engineering.

Recently Apex introduced a family of protective covers to satisfy the growing demand for products that prevent in-system damage. The family includes **µ-Guard**™, **FreeSpin**™ and **Engineered Products**.

Unsurpassed Offering

This catalog contains 3,000+ of the most frequently requested bits, sockets and fastening accessories. Our entire active offering approaches 10,000 sellable part numbers. If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific applications. You can even submit special requests on-line at our website ***www.apex-tools.com*** by completing the simple forms.

This flexibility has helped make Apex the only manufacturer which is a market and technology leader in all of the following industrial product categories: Bits & Bit Holders, Impact Sockets, Extensions and Universal Wrenches.

Availability & Service

Apex has approximately 2,000 authorized distributor locations globally to provide product off-the-shelf as well as knowledgeable service and support. A pex stocks over 1,000 part numbers and a multitude of blanks to manufacture several thousand more in order to support our strong global distribution network.

COOPER PowerTools

Important Notes

User safety tips

- Always wear safety glasses when using any tool.
- Always visually inspect tool for damage and cracking. Immediately replace all damaged tools.
- Do not modify or alter any tool.
- Do not use tools beyond their limit or useful life.
- Contact Apex for the recommended operating torque of any tool.

Selecting the proper heat treat for bits

Choosing the proper heat treat for screwdriver tools is important in achieving long tool life. Different applications, different operators, and different power tools require different heat treats. Apex offers a choice of three heat treat hardness levels in many of our screwdriver bits to match the particular customer's application. These heat treats are specified by a letter suffix as follows:

X - *The hardest heat treat in the industry*

I - *Intermediate hardness*

R - *Lowest hardness*

Selecting the heat treat best suited for a particular application may require some trial and error. The proper heat treat depends on the failure mode. If the bit breaks or shatters, select a bit with less hardness. If the failure mode is wear, select a harder bit. Many times both breakage and wear may occur within the same application. This can be due to a number of factors such a different operators, different torque values, and different power tool settings.

In general, high torque applications require "R" heat treats to withstand twisting and resist breakage. The "X" heat treat is most suitable for low torque applications, particularly if hardened screws are used.

If a failure occurs, a change in hardness may result in better service. The "X" heat treat is most common and should be selected unless the specifics of an application or an existing problem would suggest using "I" or "R" hardness.

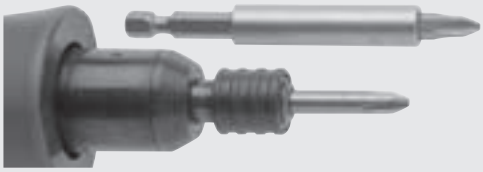
To specify a particular heat treat, add a letter suffix to the part number. For example, to specify "X" hardness in a #2 Phillips insert, the part number would be 440-2X. Not all Apex bits are available in all heat treats. Special heat treats can be supplied for a particular application. Contact your Apex representative for specific recommendations.

Since "X" hardness is the most popular with our customers, it is our default product where "X" designation may omitted from the part number. For all other hardness designations, the product packaging will be marked with the appropriate hardness designation letter.

Warning

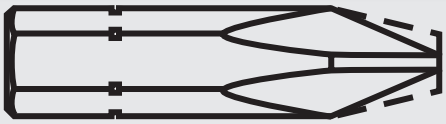
- Using any adapter may result in a torque overload and failure in the adapter, socket or fastener.
- Do not use thin wall sockets with impact power tools.
- Do not use universal wrenches with impact power tools.

APEX® Solutions



What's the difference between an insert and a power bit?

Insert bits are commonly used with a bit holder in power tool applications. This combination is economical, provides flexibility and allows a fastener to be magnetically held by the bit. Power bits are placed directly into the power tool chuck. See pages 25-26 for a complete listing of Apex bit holders.



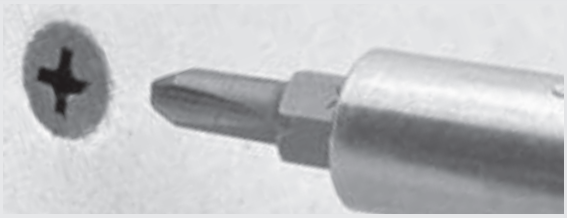
What's the advantage of 27 Series bits?

27 Series bits are ideal for poorly recessed Phillips screws. A wider tip design fills out an inexact recess to make better contact.

Why do Apex bits last so much longer?

Apex's premium tool alloys and proprietary heat treat help avoid typical problems such as shattering and premature bit wear. Most Apex bits are available in three different heat treat hardnesses.

Refer to page vi for information on selecting the proper heat treat.



What's the advantage of reduced diameter bits?

Reduced diameter bits are ideal for driving screws below the surface of drywall.

What's the advantage of Apex® ACR® bits?

Painted, coated or corroded fasteners can present special problems. Apex® ACR® insert bits' special wing-face ribs grip screw recesses to reduce stripping and cam-out which can result in damage to the surrounding workpiece. Choose from bits ribbed for screw removal, driving or both. They're also available in both insert bits and power drives.

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

In this section...

Insert and Power Drive Bits

For all these fastener styles:

- Phillips®
- Slotted
- Torx®
- Torx Plus®
- Torx® Tamper Resistant
- Torx Plus® Tamper Resistant
- Pozidriv®
- Sel-o-fit®
- Quadrex®
- Frearson
- B.N.A.E.
- Socket Head
- Square Recess
- Torq-Set®
- MorTorq®
- Tri-Wing®
- Hi-Torque®
- Triple Square

Bit Holders, Nutsetters, Extensions and Universal Wrenches

Bit holders adapt hex drive and female square drive power tools to a variety of insert bits. Hex drive nutsetters, extensions and universal wrenches allow nutrunning in all types of applications.

Selecting the correct Phillips point size

Apex bits in these five point sizes will drive ANY Phillips screw

Point Size	Wood Screws Body Dia.	Wood Screws Flat, Oval	Wood Screws Round	Machine Screws Flat, Oval, Binding	Machine Screws Round, Fillister	Machine Screws Truss, Brazier, Button	Sheet Metal Screws Flat, Round, Oval, Stove, Binding
0	0	0	0	0	0	0	
1	3/16	2	2	2	2	2	2
	3	3	3	3	3	3	
	4	4	4	4	4	4	
2	1/4	5	5	5	5	5	5
	6	6	6	6	8	6	
	7	7	8	8	10	7	
	8	8	10	10	8		
	9	9	10				
	10						
3	5/16	10	12	12	12	12	12
	12	14	1/4	1/4	1/4	14	
	14	16	5/16				
	16						
4	3/8	18	18	5/16	3/8	5/16	
	20	20	3/8	7/16	3/8		
	24	24	7/16	1/2	7/16		
	1/2	1/2					

IMPORTANT *The table above will enable you to determine the Phillips point size required for any Phillips screws or bolts. The No. 2 and No. 3 point sizes cover the range of Phillips screws most commonly used. The Apex Phillips bits on the following pages are available in point sizes to drive any Phillips screw.*

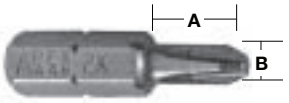
Phillips Bits

1/4” Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm	
440-1X•	1	1	25	
440-115X•	1	1 1/2	38	
440-12X•	1	2	51	
440-125X•	1	2 1/2	64	
440-13X	1	3	76	
440-2X•	2	1	25	
440-2I•	2	1	25	
440-215X•	2	1 1/2	38	
440-22X•	2	2	51	
440-225X•	2	2 1/2	64	
440-23X•	2	3	76	
440-24X•	2	4	101	
440-255X	2	5 1/2	140	
440-26X•	2	6	152	
440-27X*	2	1	25	For shallow screw recesses
440-3X•	3	1	25	
440-3I•	3	1	25	
440-3125X•	3	1 1/4	32	
440-3BNX	3	1 1/4	32	Large body
440-32X•	3	2	51	
440-325X	3	2 1/2	64	
440-33X•	3	3	76	
440-34X	3	4	101	
440-4X•	4	1 5/16	33	

For shallow screw recesses. See Tool Tip on page 7

1/4” Hex Insert Bits – Limited Clearance



Part Number	Point Size	Overall Length In.	Overall Length mm	Turned Length (A) In.	Turned Length (A) mm	Turned OD (B) In.	Turned OD (B) mm
446-0X•	0	1	25	7/16	11	0.108	4.06
446-1X•	1	1	25	7/16	11	0.108	4.06
446-12X•	1	2	51	7/16	11	0.108	4.06
SD-1055-A	1	2	51	1 3/8	35	0.108	4.06
446-2X•	2	1	25	7/16	11	0.108	4.06
446-2I•	2	1	25	7/16	11	0.108	4.06
446-215X•	2	1 1/2	38	7/16	11	0.108	4.06
446-22X•	2	2	51	7/16	11	0.108	4.06
446-215T•	2	1 1/2	38	1	25	0.108	4.06
446-22TX•	2	2	51	1 1/2	38	0.108	4.06
446-225T•	2	2 1/2	64	1 3/4	44	0.108	4.06
446-23T•	2	3	76	2 1/4	57	0.108	4.06
446-27X*•	2	1	25	7/16	11	0.108	4.06

** For shallow screw recesses see Tool Tip on page 5.*

1/4” Hex Insert Bits – ACR®

Part Number	Point Size	Overall Length In.	Overall Length mm	
440-1-ACR1-RX•	1	1	25	
440-1-ACR1-DX•	1	1	25	
440-1-ACR1X•	1	1	25	
440-2-ACR2-RX•	2	1	25	
440-2-ACR2-RI•	2	1	25	
440-2-ACR2-DX•	2	1	25	
440-2-ACR2X•	2	1	25	
446-2-ACR2-DX•	2	1	25	Limited Clearance
440-22-ACR2-RX•	2	2	51	
440-22-ACR2-DX•	2	2	51	
440-22-ACR2X•	2	2	51	
440-3-ACR3-RX•	3	1	25	
440-3-ACR3-DX•	3	1	25	
440-3-ACR3X•	3	1	25	

Part number suffix -R
For removal

Part number suffix -D
For driving

No part number suffix
For both removal and driving

5/16” Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm	
480-1X•	1	1 1/4	32	
480-2X•	2	1 1/4	32	
480-22X	2	2	51	
480-225X	2	2 1/2	64	
480-24X	2	4	101	
480-3X•	3	1 1/4	32	
480-325X	3	2 1/2	64	
480-34X	3	4	101	
480-4X•	4	1 1/4	32	
480-4BNX•	4	1 1/2	38	Large body
480-425X	4	2 1/2	64	

5/16” Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
480-2-ACR2-RX•	2	1 1/4	32
480-2-ACR2X•	2	1 1/4	32
480-3-ACR3X•	3	1 1/4	32
480-4-ACR4X•	4	1 1/4	32

Part number suffix -R
For removal

Part number suffix -D
For driving

No part number suffix
For both removal and driving

ACR® is a trademark of the Phillips Screw Co.

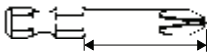
• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Phillips Bits

5/16" Square Insert Bits

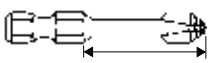
Part Number	Point Size	Overall Length In.	Overall Length mm
830-1X•	1	1 1/8	29
830-2X•	2	1 1/8	29
830-3X•	3	1 1/8	29
830-4X	4	1 1/8	29

1/4" Hex Power Drive



Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
4910X•	0	1 15/16	49	1/8	3.2	1 1/4	32
4910-AX•	0	2 3/4	70	1/8	3.2	2	51
4910-BX•	0	3 1/2	89	1/8	3.2	2 3/4	70
4910-CX•	0	6	152	1/8	3.2	2	51
491X•	1	1 15/16	49	3/16	4.8	1 1/4	32
491-AX•	1	2 3/4	70	3/16	4.8	2	51
491-BX•	1	3 1/2	89	3/16	4.8	2 3/4	70
491-CX•	1	6	152	3/16	4.8	2	51
491-CCX•	1	6	152	3/16	4.8	5 1/4	133
492X•	2	1 15/16	49	1/4	6.4	1 1/4	32
492I•	2	1 15/16	49	1/4	6.4	1 1/4	32
492-AX•	2	2 3/4	70	1/4	6.4	2	51
492-AI•	2	2 3/4	70	1/4	6.4	2	51
492-BX•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-BI•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-CX•	2	6	152	1/4	6.4	2	51
492-CI•	2	6	152	1/4	6.4	2	51
492-200MM	2	7 13/16	200	1/4	6.4	7	178
SD-2052-8	2	8	203	9/32	7.1	7	178
SD-2052-10	2	10	254	9/32	7.1	9	229
492-CCX•	2	6	152	1/4	6.4	5 1/4	133
492-27X*•	2	1 15/16	49	1/4	6.4	1 1/4	32
492-A-27X*•	2	2 3/4	70	1/4	6.4	2	51
492-B-27X*•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-C-27X*•	2	6	152	1/4	6.4	2	51
492-CC-27X*	2	6	152	1/4	6.4	5 1/4	133
493X	3	1 15/16	49	5/16	7.9	1	25
493-AX	3	2 3/4	70	5/16	7.9	1 3/4	44
493-BX	3	3 1/2	89	5/16	7.9	2 1/2	64
493-CX	3	6	152	5/16	7.9	5	127
4930X•	3	1 15/16	49	1/4	6.4	1 1/4	32
4930-AX•	3	2 3/4	70	1/4	6.4	2	51
4930-BX•	3	3 1/2	89	1/4	6.4	2 3/4	70
4930-CX•	3	6	152	1/4	6.4	2	51
4930-CCX	3	6	152	1/4	6.4	5 1/4	133
494X•	4	1 15/16	49	3/8	9.5	1	25

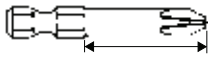
1/4" Hex Power Drive – Harpoon – ACR®



Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
SD-4528-2-ACR2	2	1 15/16	49	9/64	3.5	1 1/8	28
SD-4528-1-ACR2	2	2 3/4	70	9/64	3.5	1 7/8	48
SD-5100	2	6	152	9/64	3.5	3	76

** For shallow screw recesses. See Tool Tip on page 5.*

1/4" Hex Power Drive – ACR®



Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
491-ACR1-RX	1	1 15/16	49	3/16	4.8	1 1/4	32
491-ACR1-DX	1	1 15/16	49	3/16	4.8	1 1/4	32
491-ACR1X•	1	1 15/16	49	3/16	4.8	1 1/4	32
492-ACR2-RX•	2	1 15/16	49	1/4	6.4	1 1/4	32
492-ACR2-DX	2	1 15/16	49	1/4	6.4	1 1/4	32
492-ACR2X•	2	1 15/16	49	1/4	6.4	1 1/4	32
492-A-ACR2-DX	2	2 3/4	70	1/4	6.4	2	51
492-A-ACR2X•	2	2 3/4	70	1/4	6.4	2	51
492-B-ACR2-DX•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-B-ACR2X•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-C-ACR2-DX•	2	6	152	1/4	6.4	2	51
493-ACR3X•	3	1 15/16	49	5/16	7.9	1	25

Part number suffix -R
For removal

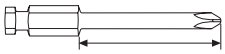
Part number suffix -D
For driving

No part number suffix
For both removal and driving

1/4" Hex Power Drive with Finder Sleeve

Part Number	Point Size	Overall Length In.	Overall Length mm	Sleeve Diameter In.	Sleeve Diameter mm
SD-556-A•	2	3 1/2	89	7/16	11.1
SD-556	2	6	152	7/16	11.1

7/16" Hex Power Drive



Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
482X•	2	3 1/2	89	1/4	6.4	2 1/4	57
483X•	3	3 1/2	89	5/16	7.9	2 1/4	57
484X•	4	3 1/2	89	3/8	9.5	2 1/4	57

9/32" No.130A Yankee Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
451X	1	3 1/4	83	3/16	4.8
452X	2	3 1/4	83	9/32	7.1
453X	3	3 1/4	83	5/16	7.9

ACR® is a trademark of the Phillips Screw Co.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Phillips Bits ⊕

10-32 Screw Shank Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
501X•	1	1 1/2	38	3/16	4.8
501-AX	1	1 13/16	46	3/16	4.8
502X•	2	1 1/2	38	1/4	6.4
502-ACR2X*•	2	1 1/2	38	1/4	6.4
SD-1342-2•	2	1 3/4	45	1/4	6.4
502-AX•	2	1 13/16	46	1/4	6.4
503X	3	1 1/2	38	5/16	7.9

**Features ACR® anti-camout ribs. See Tool Tip on page 3.*

12-24 Screw Shank Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
551X	1	1 3/16	30	.30	7.6
552X•	2	1 3/16	30	.30	7.6
552I•	2	1 3/16	30	.30	7.6
553X	3	1 3/16	30	.30	7.6

1/4”-24 Screw Shank Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
401X•	1	1 1/2	38	3/16	4.8
402X•	2	1 1/2	38	1/4	6.4
403X•	3	1 1/2	38	5/16	7.9

8–32 Screw Shank Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
591X•	1	1 3/16	30	7/32	5.6
592X•	2	1 3/16	30	7/32	5.6

Female Square Service Drive

Part Number	Female Square Drive	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
821	1/4	1	2	51	1/4	6.4
822•	1/4	2	2	51	1/4	6.4
832•	3/8	2	2 5/8	67	5/16	7.9
833•	3/8	3	2 5/8	67	5/16	7.9
834•	3/8	4	2 5/8	67	5/16	7.9
852	1/2	2	2 7/8	73	5/16	7.9
853•	1/2	3	2 7/8	73	5/16	7.9
854•	1/2	4	2 7/8	73	3/8	9.5

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• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

APEX® Solutions

Does Apex offer Torx® bits?

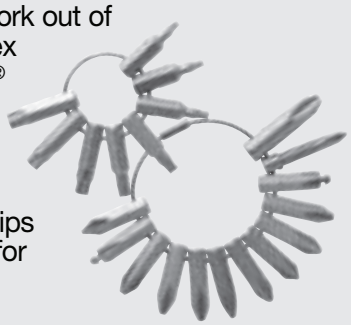
Torx® fasteners are becoming more and more common in automotive and appliance assembly. Apex provides a full selection of bits for Torx screws.

(See page 10)

Torx® is a trademark of the Camcar Division of Textron.

Is there an easy way to select a bit?

Take the guesswork out of bit selection. Apex Phillips and Torx® ring gauges help you find the right bit for your fasteners. Order SD-3749 for Phillips and SD-4064-G for Torx®.



What is a finder sleeve?

A finder sleeve makes it easy to engage slotted fasteners with the bit. It guides the bit so there is less ”searching” for the proper alignment between blade and slot.

(See page 9)

Why do Apex bits last so much longer than other bits?

Apex’s premium tool alloys and proprietary heat treat help avoid typical problems such as shattering and premature bit wear. Most Apex bits are available in three different heat treat hardnesses.
Refer to page vi for information on selecting the proper heat treat.

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture “specials” to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

What's the difference between Torx® and Torx Plus® bits?

Torx Plus® bits and fasteners feature a greater engagement area for higher torque transfer and reduced camout when driving Torx Plus® fasteners. They can provide up to 100% more drive cycles.
Torx Plus® bits are not compatible with standard Torx® fasteners.

(See pages 10–12)

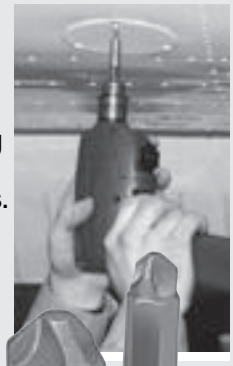
Regular Torx®

Torx Plus® is a trademark of the Camcar Division of Textron.
Torx Plus® Tamper Resistent Bits are available on a limited basis. Please contact your Area Distributor or Representative for more details.

Does Apex offer fastener tools for the aircraft industry?

Apex offers a full selection of fastener tools common to aircraft assembly and maintenance, including Tri-Wing®, Torq-Set®, Hi-Torque® and Phillips.

(See pages 21-22)



Torq-Set® and ACR® are registered trademarks of the Phillips Screw Co.

Does Apex offer mar resistant bits and sockets?

Apex can nylon coat just about any of our bits or sockets. Nylon offers excellent mar resistance for assemblies that have painted, varnished or chromed surfaces. Nylon also offers some safety benefits by covering tool junctions.

(See pages 138-146 for more information)

How do Torxalign® bits work?

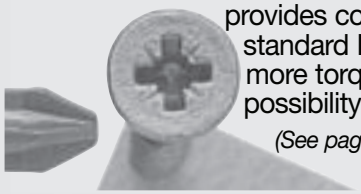
Torxalign® bits "wedge" into the Torx® recess to firmly hold the fastener to the bit.

(See page 11)

What's the difference between a Phillips and a Pozidriv® screw?

The shallow "cross" indention in the screw head identifies a Pozidriv® fastener. The Pozidriv® bit and recess design provides contact than a standard Phillips for more torque with less possibility of camout.

(See page 13)



Slotted Screw Sizes

Types of Heads

Note: When ordering slotted bits, please remember that head sizes and slot widths of hardened, self tapping, and sheet metal screws do not conform to the same specifications as standard wood or machine screws described in the chart below. Also, because of variations in these dimensions among screws from different manufacturers, bits should be ordered to head and slot size rather than screw size.

Screw Sizes	Diameter of Head: Flat Head Oval Head Wood	Flat Head Oval Head Mach.	Round Head Wood	Round Head Mach.	Truss Head	Binding Head	Fillister Cap	Fillister Mach.	Pan Head	Width of slot
1	.146	.146	.138	.138				.118		.026
	.130	.130	.122	.122				.104		.019
2	.172	.172	.162	.162	.194	.181		.140	.167	.031
	.156	.156	.146	.146	.180	.171		.124	.155	.023
3	.199	.199	.187	.187	.226	.208		.161	.193	.035
	.181	.181	.169	.169	.211	.197		.145	.180	.027
4	.225	.225	.211	.211	.257	.235		.183	.219	.039
	.207	.207	.193	.193	.241	.223		.166	.205	.031
5	.252	.252	.236	.236	.289	.263		.205	.245	.043
	.232	.232	.217	.217	.272	.249		.187	.231	.035
6	.279	.279	.260	.260	.321	.290		.226	.270	.048
	.257	.257	.240	.240	.303	.275		.208	.256	.039
7	.305		.285		.352				.296	.048
	.283		.264		.333				.281	.039
8	.332	.332	.309	.309	.384	.344		.270	.322	.054
	.308	.308	.287	.287	.364	.326		.250	.306	.045
9	.358		.334							.054
	.334		.311							.045
10	.385	.385	.359	.359	.448	.339		.313	.373	.060
		.359	.334	.334	.425	.378		.292	.357	.050
12	.438	.438	.408	.408	.511	.454		.357	.425	.067
	.410	.410	.382	.382	.487	.430		.334	.407	.056
14	.491		.457							.075
	.461		.424							.064
1/4”		.507		.472	.573	.513	.375	.414	.492	.075
		.477		.443	.546	.488	.363	.389	.473	.064
16	.544		.506							.075
	.512		.476							.064
18	.597		.555							.084
	.563		.523							.072
5/16”		.635		.590	.698	.641	.437	.518	.615	.084
		.600		.557	.666	.609	.424	.490	.594	.072
20	.650		.604							.084
	.614		.570							.072
24	.756		.702							.094
	.716		.664							.081
3/8”		.762		.708	.823	.769	.562	.622	.740	.094
		.722		.670	.787	.731	.547	.590	.716	.081

Slotted Bits

1/4" Hex Insert Bits – Limited Clearance

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width In.	Blade Width mm
445-000X•	1F-2R	1	25	.021	.53	.125	3.2
445-00X•	2F-3R	1	25	.025	.64	.140	3.6
445-0X•	3F-4R	1	25	.030	.76	.154	3.9
445-10X•	4F-5R	1	25	.034	.86	.185	4.7
445-20X•	5F-6R	1	25	.036	.91	.216	5.5
445-30X•	6F-7R	1	25	.038	.97	.248	6.3
445-00-15X•	2F-3R	1 1/2	38	.028	.71	.138	3.5
445-0-15X	3F-4R	1 1/2	38	.032	.81	.154	3.9
445-10-15X•	4F-5R	1 1/2	38	.034	.86	.185	4.7
445-20-15X	5F-6R	1 1/2	38	.036	.91	.216	5.5
445-30-15X	6F-7R	1 1/2	38	.038	.97	.248	6.3

1/4" Hex Insert Bits

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width In.	Blade Width mm
445-1X	4F-5R	1	25	.034	.86	3/16	4.8
445-2X•	6F-8R	1	25	.040	1.02	7/32	5.6
445-3X•	8F-10R	1	25	.042	1.07	1/4	6.4
445-4X•	10F-12R	1	25	.046	1.17	9/32	7.1
445-1-15X	4F-5R	1 1/2	38	.034	.86	3/16	4.8
445-2-15X•	6F-8R	1 1/2	38	.040	1.02	7/32	5.6
445-3-15X•	8F-10R	1 1/2	38	.042	1.07	1/4	6.4
445-4-15X•	10F-12R	1 1/2	38	.046	1.17	9/32	7.1
445-5X•	12F-14R	1 1/2	38	.050	1.27	5/16	7.9
445-6X•	14F-16R	1 1/2	38	.055	1.40	23/64	9.1

5/16" Hex Insert Bits

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width In.	Blade Width mm
485-1X•	4F-5R	1 1/2	38	.034	.86	3/16	4.8
485-2X•	6F-8R	1 1/2	38	.040	1.02	7/32	5.6
485-3X•	8F-10R	1 1/2	38	.042	1.07	1/4	6.4
485-4X•	10F-12R	1 1/2	38	.046	1.17	.296	7.52
485-5X•	12F-14R	1 1/2	38	.050	1.27	.328	8.33
485-6X•	14F-16R	1 1/2	38	.055	1.40	.328	8.33
485-7X•	16F-18R	1 3/4	45	.060	1.52	1/2	12.7

1/4" Hex Power Drive

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width/ Body Diameter In.	Blade Width/ Body Diameter mm
320-000X•	1F-2R	1 15/16	49	.022	.56	.122	3.10
326-000X•	1F-2R	2 3/4	70	.022	.56	.122	3.10
323-000X•	1F-2R	3	76	.022	.56	.122	3.10
327-000X•	1F-2R	3 1/2	89	.022	.56	.122	3.10
324-000X•	1F-2R	4	102	.022	.56	.122	3.10
325-000X	1F-2R	5	127	.022	.56	.122	3.10
328-000X•	1F-2R	6	152	.022	.56	.122	3.10
320-00X•	2F-3R	1 15/16	49	.026	.66	.134	3.40
326-00X•	2F-3R	2 3/4	70	.026	.66	.134	3.40
323-00X•	2F-3R	3	76	.026	.66	.134	3.40
327-00X•	2F-3R	3 1/2	89	.026	.66	.134	3.40
324-00X•	2F-3R	4	102	.026	.66	.134	3.40
325-00X	2F-3R	5	127	.026	.66	.134	3.40
328-00X•	2F-3R	6	152	.026	.66	.134	3.40
320-0X•	3F-4R	1 15/16	49	.030	.76	.151	3.84
326-0X•	3F-4R	2 3/4	70	.030	.76	.151	3.84
323-0X•	3F-4R	3	76	.030	.76	.151	3.84
327-0X•	3F-4R	3 1/2	89	.030	.76	.151	3.84
324-0X•	3F-4R	4	102	.030	.76	.151	3.84
325-0X	3F-4R	5	127	.030	.76	.151	3.84
328-0X•	3F-4R	6	152	.030	.76	.151	3.84
320-1X•	4F-5R	1 15/16	49	.034	.86	.187	4.75
326-1X•	4F-5R	2 3/4	70	.034	.86	.187	4.75
323-1X•	4F-5R	3	76	.034	.86	.187	4.75
327-1X•	4F-5R	3 1/2	89	.034	.86	.187	4.75
324-1X•	4F-5R	4	102	.034	.86	.187	4.75
325-1X•	4F-5R	5	127	.034	.86	.187	4.75
328-1X•	4F-5R	6	152	.034	.86	.187	4.75
320-20X•	5F-6R	1 15/16	49	.036	.91	.215	5.46
326-20X•	5F-6R	2 3/4	70	.036	.91	.215	5.46
323-20X•	5F-6R	3	76	.036	.91	.215	5.46
327-20X•	5F-6R	3 1/2	89	.036	.91	.215	5.46
324-20X•	5F-6R	4	102	.036	.91	.215	5.46
325-20X•	5F-6R	5	127	.036	.91	.215	5.46
328-20X•	5F-6R	6	152	.036	.91	.215	5.46
320-2X•	5F-6R	1 15/16	49	.036	.91	.250	6.35
326-2X•	5F-6R	2 3/4	70	.036	.91	.250	6.35
323-2X•	5F-6R	3	76	.036	.91	.250	6.35
327-2X•	5F-6R	3 1/2	89	.036	.91	.250	6.35
324-2X•	5F-6R	4	102	.036	.91	.250	6.35
328-2X•	5F-6R	6	152	.036	.91	.250	6.35
320-3X•	6F-8R	1 15/16	49	.038	.97	.250	6.35
326-3X•	6F-8R	2 3/4	70	.038	.97	.250	6.35
323-3X•	6F-8R	3	76	.038	.97	.250	6.35
327-3X•	6F-8R	3 1/2	89	.038	.97	.250	6.35
324-3X•	6F-8R	4	102	.038	.97	.250	6.35
325-3X•	6F-8R	5	127	.038	.97	.250	6.35
328-3X•	6F-8R	6	152	.038	.97	.250	6.35
320-4X•	8F-10R	1 15/16	49	.042	1.07	.275	6.99
326-4X•	8F-10R	2 3/4	70	.042	1.07	.275	6.99
323-4X•	8F-10R	3	76	.042	1.07	.275	6.99
327-4X•	8F-10R	3 1/2	89	.042	1.07	.275	6.99
324-4X•	8F-10R	4	102	.042	1.07	.275	6.99
325-4X	8F-10R	5	127	.042	1.07	.275	6.99
328-4X•	8F-10R	6	152	.042	1.07	.275	6.99
320-5X•	10F-12R	1 15/16	49	.046	1.17	.312	7.92
326-5X•	10F-12R	2 3/4	70	.046	1.17	.312	7.92
323-5X•	10F-12R	3	76	.046	1.17	.312	7.92
327-5X•	10F-12R	3 1/2	89	.046	1.17	.312	7.92
324-5X	10F-12R	4	102	.046	1.17	.312	7.92
325-5X	10F-12R	5	127	.046	1.17	.312	7.92
328-5X•	10F-12R	6	152	.046	1.17	.312	7.92
320-6X•	12F-14R	1 15/16	49	.050	1.27	.360	9.14
326-6X•	12F-14R	2 3/4	70	.050	1.27	.360	9.14
323-6X•	12F-14R	3	76	.050	1.27	.360	9.14
327-6X•	12F-14R	3 1/2	89	.050	1.27	.360	9.14
324-6X	12F-14R	4	102	.050	1.27	.360	9.14
325-6X	12F-14R	5	127	.050	1.27	.360	9.14
328-6X•	12F-14R	6	152	.050	1.27	.360	9.14

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Slotted Bits

5/16” Hex Power Drive

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width/ Body Diameter In.	Blade Width/ Body Diameter mm
635-6X	10F-12R	2 1/4	57	.046	1.17	.360	9.14
635-7X	12F-14R	2 1/4	57	.050	1.27	.395	10.03
635-8X	14F-16R	2 1/4	57	.055	1.40	.457	11.61
635-9X	16F-20R	2 1/4	57	.060	1.52	.503	12.78
635-10X	20F-22R	2 1/4	57	.062	1.57	.545	13.84

10-32 Screw Shank Drive

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width/ Body Diameter In.	Blade Width/ Body Diameter mm
103-00X	2F-3R	1 1/2	38	.026	.66	.140	3.56
103-1X	4F-5R	1 1/2	38	.034	.86	.187	4.75
103-2X	5F-6R	1 1/2	38	.036	.91	.225	5.72
103-3X	6F-7R	1 1/2	38	.038	.97	.250	6.35
103-4X	7F-8R	1 1/2	38	.040	1.02	.275	7.24
103-5X	8F-10R	1 1/2	38	.042	1.07	.296	7.52
103-6X	10F-12R	1 1/2	38	.046	1.17	.309	7.85

1/4”-24 Screw Shank Drive

Part Number	Screw Size	Length In.	Length mm	Blade Thickness In.	Blade Thickness mm	Blade Width/ Body Diameter In.	Blade Width/ Body Diameter mm
309-000X	1F-2R	1 1/2	38	.022	.56	.125	3.18
309-00X	2F-3R	1 1/2	38	.026	.66	.140	3.56
309-1X•	4F-5R	1 1/2	38	.034	.86	.187	4.75
309-2X•	5F-6R	1 1/2	38	.036	.91	.225	5.72
309-3X•	6F-7R	1 1/2	38	.038	.97	.250	6.35
309-4X•	7F-8R	1 1/2	38	.040	1.02	.285	7.24
309-5X	8F-10R	1 1/2	38	.042	1.07	.296	7.52
309-6X	10F-12R	1 1/2	38	.046	1.17	.315	8.00
309-8X	14F-16R	1 1/2	38	.055	1.40	.361	9.17

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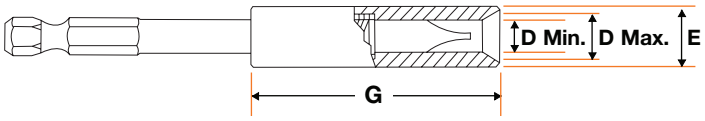
Slotted Bits

1/4" Power Drive with Finder Sleeves

Each finder sleeve assembly part number begins with a letter prefix that denotes the particular sleeve used with that assembly. The chart below gives complete dimensional data for each finder sleeve.



Part No.	Screw Size	D Max. In.	D Max. mm	D Min. In.	D Min. mm	Sleeve Length G In.	Sleeve Length G mm	Sleeve Diameter E In.	Sleeve Diameter E mm
L	5F-6R	.260	6.60	.233	5.92	1 7/8	47.6	3/8	9.5
M	6F-6R	.309	7.85	.261	6.63	1 7/8	47.6	7/16	11.1
P	8F-6R	.368	9.35	.310	7.87	1 7/8	47.6	1/2	12.7
NP*	8F-10R	.368	9.35	.310	7.87	1 7/8	47.6	7/16	11.1
R	10F-12R	.415	10.54	.369	9.37	2	50.8	9/16	14.3
S	12F-14R	.478	12.14	.416	10.57	2	50.8	5/8	15.9
T	14F-16R	.522	13.26	.479	12.17	2 1/8	54.0	11/16	17.5
U	16F-20R	.621	15.77	.523	13.28	2 1/8	54.0	3/4	19.1
W	20F-22R	.665	16.89	.622	15.80	2 1/16	52.4	13/16	20.3
Y	24F-24R	.715	18.16	.666	16.92	2 1/32	51.6	15/16	23.8

Sleeve NP is a cup type sleeve.

Slotted Power Bits with Finder Sleeves

1/4" Hex Power Drive

Part No. Complete Assembly	Part No. Bit Only	Screw Size	Bit Length In.	Bit Length mm	Blade Thickness In.	Blade Thickness mm	Bit Body Diameter In.	Bit Body Diameter mm
L-320X•	320-LX	5F-6R	3 3/4	95	.036	.91	.193	4.90
M-320X•	320-MX	6F-8R	3 3/4	95	.038	.97	.241	6.12
P-320X•	320-PX	8F-10R	3 3/4	95	.042	1.07	.290	7.37
R-320X•	320-RX	10F-12R	3 3/4	95	.046	1.17	.350	8.89
S-320X	320-SX	12F-14R	3 7/8	98	.050	1.27	.395	10.03
T-320X•	320-TX	14F-16R	4 1/8	105	.055	1.40	.457	11.61

1/4" Hex Power Drive – Extra Short Series

Part No. Complete Assembly	Part No. Bit Only	Screw Size	Bit Length In.	Bit Length mm	Blade Thickness In.	Blade Thickness mm	Bit Body Diameter In.	Bit Body Diameter mm
OOOL-322X•	322-000LX•	2F-3R	2 3/32	53	.026	.66	.138	3.91
OOL-322X•	-	3F-4R	2 3/32	53	.030	.76	.154	3.91
OL-322X	322-0LX	4F-5R	2 5/32	55	.034	.86	.185	4.70
L-322X	-	5F-6R	2 5/32	55	.036	.91	.185	4.70
M-322X•	322-MX	6F-8R	2 5/32	55	.040	1.02	.248	6.30
P-322X	-	8F-10R	2 5/32	55	.042	1.07	.283	7.19
R-322X	-	10F-12R	2 5/32	55	.046	1.17	.283	7.19

1/4" Hex Power Drive – Long Series

Part No. Complete Assembly	Part No. Bit Only	Screw Size	Bit Length In.	Bit Length mm	Blade Thickness In.	Blade Thickness mm	Bit Body Diameter In.	Bit Body Diameter mm
L-328X	328-LX	5F-6R	6 1/2	165	.036	.91	.193	4.90
M-328X	328-MX•	6F-8R	6 1/2	165	.038	.97	.241	6.12
P-328X	328-PX•	8F-10R	6 1/2	165	.046	1.07	.290	7.37
R-328X	328-RX•	10F-12R	6 1/2	165	.046	1.17	.350	8.89
S-328X•	328-SX	12F-14R	6 1/2	165	.050	1.27	.395	10.03

7/16" Hex Power Drive with Finder Sleeves

Part Number	Screw Size	Bit Length In.	Bit Length mm	Blade Thickness In.	Blade Thickness mm	Bit Body Diameter In.	Bit Body Diameter mm
R-321X	10F-12R	3 7/8	98	.046	1.17	.350	8.89
S-321X	12F-14R	3 7/8	98	.050	1.27	.395	10.03
T-321X	14F-16R	4 1/8	105	.055	1.40	.457	11.61
U-321X	16F-20R	4 1/8	105	.060	1.52	.503	12.78
W-321X•	20F-22R	4 1/8	105	.062	1.57	.545	13.84
Y-321X	24F-24R	4 1/8	105	.065	1.65	.595	15.11

See chart on page 14 for sleeve diameters.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Torx® Bits

1/4" Hex Insert Bits

Part Number	Torxalign® Part Number	Driver Size	A	Overall Length In.	mm
440-TX-05X•	-	T-5	.055	1	25
440-TX-06X•	-	T-6	.065	1	25
440-TX-07X•	-	T-7	.077	1	25
440-TX-08X•	-	T-8	.090	1	25
440-TX-09X•	-	T-9	.097	1	25
440-TX-10X•	440-TX-10-W•	T-10	.107	1	25
440-TX-15X•	440-TX-15-W•	T-15	.128	1	25
440-TX-15-125	-	T-15	.128	1 1/4	32
440-TX-20X•	440-TX-20-W•	T-20	.151	1	25
440-TX-20-125	-	T-20	.151	1 1/4	32
440-TX-20-2•	-	T-20	.151	2	51
440-TX-25X•	440-TX-25-W•	T-25	.173	1	25
440-TX-27X•	440-TX-27-W•	T-27	.195	1	25
440-TX-30X•	440-TX-30-W•	T-30	.216	1	25
440-TX-40X•	440-TX-40-W	T-40	.260	1	25
440-TX-40I•	440-TX-40-W•	T-40	.260	1	25
440-TX-45X*	-	T-45	.306	1 1/4	32
440-TX-50X*•	-	T-50	.346	1 1/4	32

** Hex will break before rated ultimate torque of the Torx® point is met.*

1/4" Hex Insert Bits –Tamper Resistant**

Part Number	Driver Size	A (Ref.)	Overall Length In.	mm
440-TX-07-H	T-7-H	.077	1	25
440-TX-08-H•	T-8-H	.090	1	25
440-TX-09-H	T-9-H	.097	1	25
440-TX-10-H•	T-10-H	.107	1	25
440-TX-15-H•	T-15-H	.128	1	25
440-TX-20-H•	T-20-H	.151	1	25
440-TX-25-H•	T-25-H	.173	1	25
440-TX-27-H•	T-27-H	.195	1	25
440-TX-30-H•	T-30-H	.216	1	25
440-TX-40-H•	T-40-H	.260	1	25

*** Tamper resistant Torx® screws feature a post in the center of the recess–this post will only fit into a tamper resistant Torx® bit. Tamper resistant Torx® bits are available on a restricted distribution basis. Contact your local Apex representative for details.*

5/16" Hex Insert Bits

Part Number	Driver Size	A	Overall Length In.	mm
480-TX-20X•	T-20	.151	1 1/4	32
480-TX-25X•	T-25	.173	1 1/4	32
480-TX-27X•	T-27	.195	1 1/4	32
480-TX-30X•	T-30	.216	1 1/4	32
480-TX-40X•	T-40	.260	1 1/4	32
480-TX-40-4X•	T-40	.260	4	102
480-TX-45X•	T-45	.306	1 1/4	32
480-TX-45-6	T-45	.306	6	152
480-TX-50X•	T-50	.346	1 1/4	32
480-TX-55X•	T-55	.440	1 1/4	32

5/16" Hex Insert Bits – Tamper Resistant**

Part Number	Driver Size	A	Overall Length In.	mm
480-TX-40-H•	T-40-H	.260	1 1/4	32
480-TX-45-H•	T-45-H	.306	1 1/4	32
480-TX-50-H•	T-50-H	.346	1 1/4	32
480-TX-55-H	T-55-H	.440	1 1/4	32

***Tamper resistant Torx® bits are available on a restricted distribution basis. Contact your local Apex representative for details.*

5/8" Hex Insert Bits

Part Number	Hex Flat Type*	Driver Size	A	Overall Length In.	mm
SZ-TX-55-A•	DP	T-55	.440	1 9/16	40
SZ-TX-60-A•	DP	T-60	.520	1 9/16	40
SZ-TX-70-A•	DP	T-70	.610	1 9/16	40
SZ-TX-70-A-3	TH	T-70	.610	3	76
SZ-TX-80-A	TH	T-80	.689	1 9/16	40

**DP-Drill Point; TH-Thru Hole. 5/8" insert bits are used with SC and RP adapters found on pages 51.*

7/8" Hex Insert Bits

Part Number	Hex Flat Type*	Driver Size	A	Overall Length In.	mm
SZ-TX-90-A	TH	T-90	.782	2	51
SZ-TX-100-A	TH	T-100	.870	2	51

**TH-Thru Hole. 7/8" insert bits are used with RP adapters found on pages 51.*

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 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Torx® Bits

1/4” Hex Power Drive

Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
49-TX-05•	T-5	.055	.119	3.0	1 15/16	49
49-A-TX-05•	T-5	.055	.119	3.0	2 3/4	70
49-B-TX-05	T-5	.055	.119	3.0	3 1/2	89
49-TX-06•	T-6	.065	.119	3.0	1 15/16	49
49-A-TX-06•	T-6	.065	.119	3.0	2 3/4	70
49-TX-07•	T-7	.077	.119	3.0	1 15/16	49
49-A-TX-07•	T-7	.077	.119	3.0	2 3/4	70
49-B-TX-07•	T-7	.077	.119	3.0	3 1/2	89
49-C-TX-07	T-7	.077	.119	3.0	6	152
49-TX-08•	T-8	.090	.119	3.0	1 15/16	49
49-A-TX-08•	T-8	.090	.119	3.0	2 3/4	70
49-B-TX-08•	T-8	.090	.119	3.0	3 1/2	89
49-C-TX-08•	T-8	.090	.119	3.0	6	152
49-TX-09•	T-9	.097	.119	3.0	1 15/16	49
49-A-TX-09•	T-9	.097	.119	3.0	2 3/4	70
49-B-TX-09•	T-9	.097	.119	3.0	3 1/2	89
49-C-TX-09	T-9	.097	.119	3.0	6	152
49-TX-10•	T-10	.107	.150	3.8	1 15/16	49
49-A-TX-10•	T-10	.107	.150	3.8	2 3/4	70
SD-4693	T-10	.107	.150	3.8	3	75
49-B-TX-10•	T-10	.107	.150	3.8	3 1/2	89
49-C-TX-10•	T-10	.107	.150	3.8	6	152
49-TX-15•	T-15	.128	.150	3.8	1 15/16	49
49-A-TX-15•	T-15	.128	.150	3.8	2 3/4	70
49-B-TX-15•	T-15	.128	.150	3.8	3 1/2	89
49-C-TX-15•	T-15	.128	.150	3.8	6	152
49-TX-20•	T-20	.151	.171	4.3	1 15/16	49
49-A-TX-20•	T-20	.151	.171	4.3	2 3/4	70
49-B-TX-20•	T-20	.151	.171	4.3	3 1/2	89
49-TX-20-5	T-20	.151	.171	4.3	5	127
49-C-TX-20•	T-20	.151	.171	4.3	6	152
49-TX-25•	T-25	.173	.193	4.9	1 15/16	49
49-A-TX-25•	T-25	.173	.193	4.9	2 3/4	70
49-B-TX-25•	T-25	.173	.193	4.9	3 1/2	89
49-C-TX-25•	T-25	.173	.193	4.9	6	152
49-TX-27•	T-27	.195	.215	5.5	1 15/16	49
49-A-TX-27•	T-27	.195	.215	5.5	2 3/4	70
49-B-TX-27•	T-27	.195	.215	5.5	3 1/2	89
49-C-TX-27•	T-27	.195	.215	5.5	6	152
49-TX-30•	T-30	.216	.236	6.0	1 15/16	49
49-A-TX-30•	T-30	.216	.236	6.0	2 3/4	70
49-B-TX-30•	T-30	.216	.236	6.0	3 1/2	89
49-C-TX-30•	T-30	.216	.236	6.0	6	152
49-TX-40•	T-40	.260	.309	7.8	1 15/16	49
49-A-TX-40•	T-40	.260	.309	7.8	2 3/4	70
49-B-TX-40•	T-40	.260	.309	7.8	3 1/2	89
49-C-TX-40•	T-40	.260	.309	7.8	6	152

1/4” Hex Power Drive – Torxalign®

Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
49-TX-08-W	T-8	.090	.119	3.0	1 15/16	49
49-TX-10-W	T-10	.107	.150	3.8	1 15/16	49
49-TX-15-W•	T-15	.128	.150	3.8	1 15/16	49
49-A-TX-15-W	T-15	.128	.150	3.8	2 3/4	70
49-B-TX-15-W	T-15	.128	.150	3.8	3 1/2	89
49-TX-20-W•	T-20	.151	.171	4.3	1 15/16	49
49-B-TX-20-W•	T-20	.151	.171	4.3	3 1/2	89
49-TX-25-W•	T-25	.173	.193	4.9	1 15/16	49
49-TX-27-W	T-27	.195	.215	5.5	1 15/16	49
49-TX-30-W	T-30	.216	.236	6.0	1 15/16	49
49-B-TX-30-W	T-30	.216	.236	6.0	3 1/2	89

1/4” Hex Power Drive – Tamper Resistant**

Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
49-TX-10-H•	T-10-H	.107	.150	3.8	1 15/16	49
49-A-TX-10-H•	T-10-H	.107	.150	3.8	2 3/4	70
49-TX-15-H•	T-15-H	.128	.150	3.8	1 15/16	49
49-A-TX-15-H•	T-15-H	.128	.150	3.8	2 3/4	70
49-B-TX-15-H•	T-15-H	.128	.150	3.8	3 1/2	89
49-A-TX-20-H•	T-20-H	.151	.171	4.3	2 3/4	70
49-B-TX-20-H•	T-20-H	.151	.171	4.3	3 1/2	89
49-C-TX-20-H•	T-20-H	.151	.171	4.3	6	152

***Tamper resistant Torx® bits are available on a restricted distribution basis. Contact your local Apex representative for details.*

1/4” Hex Power Drive with Finder Sleeves

Part Number	Driver Size	Sleeve Number*	A	Sleeve Diameter In.	Sleeve Diameter mm	Overall Length In.	Overall Length mm
M-32-TX-15	T-15	M	.128	.437	12.1	3 1/2	89
M-32-TX-20	T-20	M	.151	.437	12.1	3 1/2	89
NP-32-TX-25•	T-25	NP	.173	.437	12.1	3 3/4	95
R-32-TX-27	T-27	R	.195	.563	14.3	3 5/8	92
S-32-TX-30	T-30	S	.216	.625	15.9	3 7/8	98

**See page 14 for Sleeve Selection*

7/16” Hex Power Drive

Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
48-TX-40	T-40	.260	.277	7.0	3 1/2	89
48-TX-45	T-45	.306	.323	8.2	3 1/2	89
48-TX-50•	T-50	.346	.363	9.2	3 1/2	89
48-TX-55•	T-55	.440	.503	12.8	3 3/4	95

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• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Torx® Bits

10-32 Screw Shank Drive

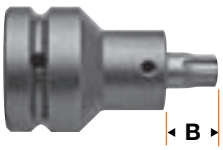
Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
50-TX-08	T-8	.090	.125	3.2	1 1/2	38
50-TX-10•	T-10	.107	.150	3.8	1 1/2	38
50-TX-15•	T-15	.128	.150	3.8	1 1/2	38
50-TX-20•	T-20	.151	.171	4.3	1 1/2	38

12-24 Screw Shank Drive

Part Number	Driver Size	A	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
55-TX-10	T-10	.107	.150	3.8	1 3/16	30
55-TX-15•	T-15	.128	.150	3.8	1 3/16	30
SD-4048•	T-15	.128	.309	7.8	1 3/16	30
55-TX-20•	T-20	.151	.171	4.3	1 3/16	30
55-TX-25•	T-25	.173	.193	4.9	1 3/16	30
55-TX-30	T-30	.216	.309	7.8	1 3/16	30

Female Square Service Drive

Part Number	Driver Size	A	Square Drive	Body Diameter In.	Body Diameter mm	Overall Length In.	Overall Length mm
834-TX-25	T-25	.173	3/8	.240	6.1	2 13/16	71
834-TX30-1.62•	T-30	.216	3/8	.234	5.9	1 5/8	41
834-TX40-2.95•	T-40	.260	3/8	.277	7.0	2 61/64	75
834-TX50-1.62•	T-50	.346	3/8	.373	9.4	1 1/4	41
834-TX-45-5•	T-45	.306	3/8	.323	8.2	5	125
834-TX-50•	T-50	.346	3/8	.363	9.2	2 5/8	66
854-TX-50•	T-50	.346	1/2	.323	8.2	2 7/8	73
854-TX-55-150M•	T-55	.440	1/2	.363	9.2	5 7/8	150



1" Square Drive Adapters with Torx® Insert Bit

Part Number	Driver Size	A	Overall Length In.	Overall Length mm	Bit Length (B) In.	Bit Length (B) mm
SZ-8L-TX-70	T-70	.610	3 19/32	91	.90	23
SZ-TX-100	T-100	.870	3 19/32	91	1.13	29

Torx Plus® Bits

1/4" Hex Insert Bits

Part Number	Driver Size	A	Overall Length In.	Overall Length mm
440-10IPX•	10IP	.107	1	25
440-15IPX•	15IP	.128	1	25
440-20IPX•	20IP	.151	1	25
440-25IPX	25IP	.173	1	25
440-27IPX	27IP	.195	1	25
440-30IPX•	30IP	.216	1	25
440-40IPX	40IP	.260	1	25

1/4" Hex Insert Bits – Tamper Resistant**

Part Number	Driver Size	A	Overall Length In.	Overall Length mm
440-10IPRX	10IPR	.107	1	25
440-15IPRX	15IPR	.128	1	25
440-20IPRX	20IPR	.151	1	25
440-25IPRX	25IPR	.173	1	25
440-27IPRX	27IPR	.195	1	25
440-30IPRX	30IPR	.216	1	25
440-40IPRX	40IPR	.260	1	25

***Tamper resistant Torx Plus® bits are available on a restricted distribution basis. Contact your local Apex representative for details.*

5/16" Hex Insert Bits

Part Number	Driver Size	A	Overall Length In.	Overall Length mm
480-30IPX	30IPR	.216	1 1/4	32
480-40IPX	40IPR	.260	1 1/4	32
480-45IPX	45IPR	.306	1 1/4	32
480-50IPX	50IPR	.346	1 1/4	32
480-55IPX	55IPR	.440	1 1/4	32

Ask your local Apex Representative about MorTorq® Super Bits

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Torx Plus® Tamper Resistent Bits are available on a limited basis. Please contact your Area Distributor or Representative for more details.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Torx Plus® Bits

1/4” Hex Power Drive

Part Number	Driver Size		Overall Length In.	mm
49-10IPX	10IP	.107	1 15/16	49
49-A-10IPX	10IP	.107	2 3/4	70
49-B-10IPX•	10IP	.107	3 1/2	89
49-15IPX•	15IP	.128	1 15/16	49
49-A-15IPX	15IP	.128	2 3/4	70
49-B-15IPX	15IP	.128	3 1/2	89
49-20IPX•	20IP	.151	1 15/16	49
49-A-20IPX	20IP	.151	2 3/4	70
49-B-20IPX	20IP	.151	3 1/2	89
49-25IPX•	25IP	.173	1 15/16	49
49-A-25IPX	25IP	.173	2 3/4	70
49-B-25IPX•	25IP	.173	3 1/2	89
49-27IPX	27IP	.195	1 15/16	49
49-A-27IPX	27IP	.195	2 3/4	70
49-B-27IPX	27IP	.195	3 1/2	89
49-30IPX	30IP	.216	1 15/16	49
49-A-30IPX	30IP	.216	2 3/4	70
49-B-30IPX	30IP	.216	3 1/2	89
49-40IPX	40IP	.260	1 15/16	49

1/4” Hex Power Drive – Tamper Resistant

Part Number	Driver Size		Overall Length In.	mm
49-10IPRX	10IPR	.107	1 15/16	49
49-15IPRX	15IPR	.128	1 15/16	49
49-20IPRX	20IPR	.151	1 15/16	49
49-25IPRX	25IPR	.173	1 15/16	49
49-27IPRX	27IPR	.195	1 15/16	49
49-30IPRX	30IPR	.216	1 15/16	49
49-40IPRX	40IPR	.260	1 15/16	49

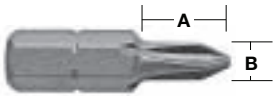
***Tamper resistant Torx Plus® bits are available on a restricted distribution basis. Contact your local Apex representative for details.*

Pozidriv® Bits

1/4” Hex Insert Bits

Part Number	Point Size	Overall Length In.	mm
440-1-PZDX•	1	1	25
440-2-PZDX•	2	1	25
440-215-PZDX•	2	1 1/2	38
440-22-PZDX•	2	2	51
440-3-PZDX•	3	1	25
440-4-PZDX•	4	1 1/4	32

Pozidriv® is a registered trademark of the Phillips Screw Company.

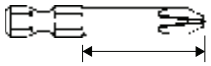


1/4” Hex Insert Bits – Limited Clearance

Part Number	Point Size	Overall Length In.	mm	Turned Length (A) In.	mm	Turned OD (B) In.	mm
446-1-PZDX•	1	1	25.4	7/16	11	0.18	4.6
446-2-PZDX•	2	1	25.4	7/16	11	0.18	4.6

5/16” Hex Insert Bits

Part Number	Point Size	Overall Length In.	mm
480-1-PZDX	1	1 1/4	32
480-2-PZDX•	2	1 1/4	32
480-3-PZDX•	3	1 1/4	32



1/4” Hex Power Drive

Part Number	Point Size	Overall Length In.	mm	Body Diameter In.	mm	Turned Length In.	mm
491-PZDX•	1	1 15/16	49	3/16	4.8	1 1/4	32
491-A-PZDX•	1	2 3/4	70	3/16	4.8	2	51
491-B-PZDX•	1	3 1/2	89	3/16	4.8	2 3/4	70
491-C-PZDX	1	6	152	3/16	4.8	2	51
492-PZDX•	2	1 15/16	49	1/4	6.4	1 1/4	32
492-A-PZDX•	2	2 3/4	70	1/4	6.4	2	51
492-B-PZDX•	2	3 1/2	89	1/4	6.4	2 3/4	70
492-C-PZDX	2	6	152	1/4	6.4	2	51
493-PZDX•	3	1 15/16	49	5/16	7.9	1	25
493-A-PZDX•	3	2 3/4	70	5/16	7.9	1 3/4	44
493-B-PZDX•	3	3 1/2	89	5/16	7.9	2 1/4	57
493-C-PZDX•	3	6	152	5/16	7.9	5	127

1/4”-24 Screw Shank Drive

Part Number	Point Size	Overall Length In.	mm	Body Diameter In.	mm
401-PZDX	1	1 1/2	38	3/16	4.8
402-PZDX•	2	1 1/2	38	1/4	6.4
403-PZDX	3	1 1/2	38	5/16	7.9

8-32 Screw Shank Drive

Part Number	Point Size	Overall Length In.	mm	Body Diameter In.	mm
591-PZDX•	1	1 3/16	30	7/32	5.6
592-PZDX•	2	1 3/16	30	7/32	5.6

10-32 Screw Shank Drive

Part Number	Point Size	Overall Length In.	mm	Body Diameter In.	mm
502-PZDX•	2	1 1/2	38	1/4	6.4
SD-1342-2-PZD	2	1 3/4	45	1/4	6.4

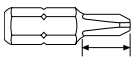
• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Sel-O-Fit Bits

1/4" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
440-1-SFX	1	1	25
440-2-SFX•	2	1	25
440-215-SFX	2	1 1/2	38
440-22-SFX	2	2	51
440-225-SFX	2	2 1/2	64
440-3-SFX•	3	1	25

1/4" Hex Insert Bits – Limited Clearance

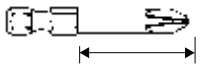


Part Number	Point Size	Overall Length In.	Overall Length mm	Turned Length (A) In.	Turned Length (A) mm	Turned OD (B) In.	Turned OD (B) mm
446-2-SFX•	2	1	25	7/16	11	0.18	4.6

5/16" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
480-2-SFX	2	1 1/4	32

1/4" Hex Power Drive



Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
491-SFX•	1	1 15/16	49	3/16	5	1 1/4	32
491-A-SFX	1	2 3/4	70	3/16	5	2	51
491-B-SFX•	1	3 1/2	89	3/16	5	2 3/4	70
491-C-SFX	1	6	152	3/16	5	2	51
492-SFX•	2	1 15/16	49	1/4	6	1 1/4	32
492-A-SFX•	2	2 3/4	70	1/4	6	2	51
492-B-SFX•	2	3 1/2	89	1/4	6	2 3/4	70
492-C-SFX•	2	6	152	1/4	6	2	51

Sel-O-Fit® bits are designed to provide a more efficient means of driving Pozidriv® screws.
The Sel-O-Fit bit places torque on the strongest and most mechanically advantageous portion of the driver tip.
This allows more torque to be applied while minimizing the possibility of breakage and camout.
Sel-O-Fit® is a registered trademark of Cooper Industries.

Quadrex® Bits

1/4" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
950-QD-2	2	1	25

1/4" Hex Power Drive

Part Number	Point Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
95-QD-2	2	1 15/16	49	1/4	6	1 1/4	32
95-A-QD-2	2	2 3/4	70	1/4	6	2	51
95-B-QD-2	2	3 1/2	89	1/4	6	2 3/4	70
95-QD-3	3	1 15/16	49	5/16	7.9	1 1/4	32

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Frearson Bits

1/4” Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm	
440-FX•	All	1	25	
446-FX	All	1	25	For limited clearance

5/16” Hex Insert Bit

Part Number	Point Size	Overall Length In.	Overall Length mm
480-FX•	All	1 3/8	35

1/4” Hex Power Drive

Part Number	Screw Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm	Turned Length In.	Turned Length mm
491-FX•	All	1 15/16	49	3/16	5	1 1/4	32
491-AFX•	All	2 3/4	70	3/16	5	2	51
491-BFX	All	3 1/2	89	3/16	5	2 3/4	70
491-CFX	All	6	152	3/16	5	2	51
492-FX•	All	1 15/16	49	1/4	6	1 1/4	32
492-AFX•	All	2 3/4	70	1/4	6	2	51
492-BFX•	All	3 1/2	89	1/4	6	2 3/4	70
492-CFX•	All	6	152	1/4	6	2	51
493-FX•	All	1 15/16	49	5/16	8	1	25
493-BFX	All	3 1/2	89	5/16	8	2 1/2	64

The Frearson recess is designed so that any size bit will fit any size recess. Choose bits on the basis of body diameter – the larger the screw, the larger the body diameter.

12-24 Screw Shank Drive

Part Number	Screw Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
552-FX	All	1 3/16	30	.30	8

1/4” Female Square Drive

Part Number	Screw Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
822-F	All	2	51	1/4	6

3/8” Female Square Drive

Part Number	Screw Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
832-F	All	2 5/8	67	1/4	6
833-F	All	2 5/8	67	5/16	8
834-F	All	2 5/8	67	3/8	10

ACR® is a trademark of the Phillips Screw Co.

B.N.A.E. Bits

1/4” Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
BNAE-3mm•	3mm	1 1/8	29
BNAE-4mm•	4mm	1 1/8	29
BNAE-5mm•	5mm	1 1/8	29
BNAE-6mm•	6mm	1 1/8	29
BNAE-8mm	8mm	1 1/8	29

1/4” Hex Insert Bits – ACR®

Part Number	Point Size	Overall Length In.	Overall Length mm
BNAE-4mm-ACR	4mm	1 1/8	29
BNAE-5mm-ACR	5mm	1 1/8	29
BNAE-6mm-ACR	6mm	1 1/8	29

ACR® ribs for both removal and driving

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Socket Head Sizing Chart

SAE

Nominal Hex Size, Inches	Socket Head Cap Screws 1960 Series	Socket Head Cap Screws 1936 Series	Flat Head Cap Screws	Button Head Cap Screws	Set Screws	Shoulder Screws	Pressure Plugs	Allenuts	Low Head Cap Screws
.050	0	0, 1	1, 2	3, 4	—	—	—	4	.050
1/16	1	2	3, 4	3, 4	5, 6	—	—	—	5, 6
5/64	2, 3	3, 4	5, 6	5, 6	8	—	—	—	8
3/32	4, 5	5, 6	8	8	10	—	—	—	10
7/64	6	—	—	—	—	—	—	—	—
1/8	—	8	10	10	1/4	1/4	—	4, 5	1/4
9/64	8	10	—	—	—	—	—	—	—
5/32	10	1/4	1/4	1/4	5/16	5/16	1/16	6	5/16
3/16	1/4	—	5/16	5/16	3/8	3/8	1/8	8, 10	3/8
7/32	—	5/16	3/8	3/8	7/16	—	—	—	7/16
1/4	5/16	—	7/16	—	1/2	1/2	1/4	1/4	1/2
5/16	3/8	3/8, 7/16	1/2	—	5/8	5/8	3/8	5/16	5/8
3/8	7/16, 1/2	1/2	5/8	—	3/4	3/4	1/2	3/8	—
7/16	—	—	—	—	—	—	—	7/16	—
1/2	5/8	5/8	3/4	—	7/8	1	—	1/2	—
9/16	—	3/4, 7/8	7/8	—	1, 1 1/8	—	3/4	—	—
5/8	3/4	1	1	—	1 1/4, 1 3/8	1 1/4	1	5/8	—
3/4	7/8, 1	1 1/8, 1 1/4, 1 3/8	1 1/8	—	1 1/2	—	1 1/4	3/4	—
7/8	1 1/8, 1 1/4	—	1 1/4, 1 3/8	—	—	1 1/2	—	7/8	—
1	1 3/8, 1 1/2	1 1/2	1 1/2	—	1 3/4, 2	1 3/4	1 1/2, 2	1	—
1 1/4	1 3/4	—	—	—	—	2	—	1 1/4	—
1 1/2	2	—	—	—	—	—	—	1 1/2	—
1 3/4	2 1/4, 2 1/2	—	—	—	—	—	—	—	1 3/4
2	2 3/4	—	—	—	—	—	—	—	—

Metric

Nominal hex Size, MM	Socket Head Cap Screws	Flat Head Cap Screws	Button Head Cap Screws	Set Screws	Shoulder Screws	Allenuts	Low Head Cap Screws
1.5	M1.6, M1.7, M2	—	—	M3	—	—	—
2	M2.3, M2.5, M2.6	M3	M3	M4	—	—	—
2.5	M3	M4	M4	M5	—	—	—
3	M4	M5	M5	M6	6mm	M3	M4
4	M5	M6	M6	M8	8mm	M4	M5
5	M6	M8	M8	M10	10mm	M5	M6
6	M8	M10	M10	M12, M14	12mm	M6	M8
8	M10	M12	M12	M16	16mm	M8	M10
10	M12	M14, M16	—	M20	20mm	M10	M12
12	M14	M20	—	M24	—	M12	M14
14	M16	—	—	—	—	—	M16
17	M20	—	—	—	—	M16	M20, M22
19	M24	—	—	—	—	—	M24

Socket Head Bits

1/4" Hex Insert Bits

Part Number	Hex Size	Overall Length In.	mm
185-000X•	.050	1	25
185-00X•	1/16	1	25
185-0X•	5/64	1	25
185-1X	3/32	1	25
185-9X•	7/64	1	25
185-2X•	1/8	1	25
185-10X•	9/64	1	25
185-3X•	5/32	1 5/16	33
185-4X•	3/16	1 5/16	33
185-4-4X•	3/16	4	102
185-5X•	7/32	1 5/16	33
185-6X•	1/4	1 5/16	33
185-7X•	5/16	1 1/4	32
185-8X•	3/8	1 1/4	32

1/4" Hex Insert Bits – Metric

Part Number	Hex Size	Overall Length In.	mm
185-1.5mm•	1.5mm	1	25
185-2mm•	2mm	1	25
185-2.5mm•	2.5mm	1	25
185-3mm•	3mm	1	25
185-4mm•	4mm	1 5/16	33
185-5mm•	5mm	1 5/16	33
185-6mm•	6mm	1 5/16	33
185-7mm•	7mm	1 1/4	32
185-8mm•	8mm	1 1/4	32
185-9mm	9mm	1 1/4	32
185-10mm•	10mm	1 1/4	32

5/16" Hex Insert Bits

Part Number	Hex Size	Overall Length In.	mm
315-3X•	5/32	1 5/16	33
315-4X•	3/16	1 5/16	33
315-5X•	7/32	1 5/16	33
315-6X•	1/4	1 5/16	33
315-7X•	5/16	1 5/16	33
315-8X•	3/8	1 5/16	33

5/16" Hex Insert Bits–Metric

Part Number	Hex Size	Overall Length In.	mm
315-2.5mm	2.5mm	1	25
315-4mm•	4mm	1 5/16	33
315-5mm•	5mm	1 5/16	33
315-6mm•	6mm	1 5/16	33
315-7mm•	7mm	1 5/16	33
315-8mm•	8mm	1 5/16	33
315-10mm•	10mm	1 3/8	35
315-12mm	12mm	1 1/4	32
315-14mm	14mm	1 1/4	32

1/4" Hex Power Drive

Part Number	Hex Size	Overall Length In.	mm
AM-01-A•	0.050	1 15/16	49
AM-02•	1/16	1 15/16	49
AM-02-A•	5/64	1 15/16	49
AM-03•	3/32	1 15/16	49
AM-03-3•	3/32	3	76
AM-03-6•	3/32	6	152
AM-03-A•	7/64	1 15/16	49
AM-04•	1/8	1 15/16	49
AM-04-3•	1/8	3	76
AM-04-35	1/8	3 1/2	89
AM-04-4•	1/8	4	102
AM-04-5	1/8	5	127
AM-04-6•	1/8	6	152
AM-04-A•	9/64	1 15/16	49
AM-04-A-4	9/64	4	102
AM-05•	5/32	1 15/16	49
AM-05-3•	5/32	3	76
AM-05-35	5/32	3 1/2	89
AM-05-4•	5/32	4	102
AM-05-5	5/32	5	127
AM-05-6•	5/32	6	152
AM-05-8	5/32	8	203
AM-06•	3/16	1 15/16	49
AM-06-3•	3/16	3	76
AM-06-4•	3/16	4	102
AM-06-6•	3/16	6	152
AM-07•	7/32	1 15/16	49
AM-08•	1/4	1 15/16	49
AM-10•	5/16	1 15/16	49

1/4" Hex Power Drive – Metric

Part Number	Hex Size	Overall Length In.	mm
AM-1.5mm•	1.5mm	1 15/16	49
AM-2mm•	2mm	1 15/16	49
AM-2.5mm•	2.5mm	1 15/16	49
AM-3mm•	3mm	1 15/16	49
AM-3mm-3•	3mm	3	76
AM-3mm-4•	3mm	4	102
AM-4mm•	4mm	1 15/16	49
AM-5mm•	5mm	1 15/16	49
AM-5mm-4•	5mm	4	102
AM-6mm•	6mm	1 15/16	49
AM-6mm-4•	6mm	4	102
AM-7mm•	7mm	1 15/16	49
AM-8mm•	8mm	1 15/16	49
AM-10mm•	10mm	1 15/16	49

5/16" Hex Power Drive

Part Number	Hex Size	Overall Length In.	mm
AS-06	3/16	3	76
AS-10	5/16	3	76
AS-12	3/8	3	76

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Socket Head Bits

7/16" Hex Power Drive

Part Number	Hex Size	Overall Length In.	Overall Length mm
AN-04•	1/8	3 1/2	89
AN-04-A	9/64	3 1/2	89
AN-05•	5/32	3 1/2	89
AN-05-6	5/32	6	152
AN-06•	3/16	3 1/2	89
AN-06-6	3/16	6	152
AN-07•	7/32	3 1/2	89
AN-07-8	7/32	8	203
AN-08•	1/4	3 1/2	89
AN-08-8•	1/4	8	203
AN-09	9/32	3 1/2	89
AN-10•	5/16	3 1/2	89
AN-10-6•	5/16	6	152
AN-12•	3/8	3 1/2	89
AN-12-6•	3/8	6	152
AN-16•	1/2	3 1/2	89
AN-16-6	1/2	6	152

7/16" Hex Power Drive, Metric

Part Number	Hex Size	Overall Length In.	Overall Length mm
AN-3mm	3mm	3 1/2	89
AN-4mm•	4mm	3 1/2	89
AN-5mm•	5mm	3 1/2	89
AN-6mm•	6mm	3 1/2	89
AN-8mm•	8mm	3 1/2	89
AN-10mm•	10mm	3 1/2	89
AN-12mm•	12mm	3 1/2	89
AN-14mm•	14mm	3 1/2	89
AN-14mm-6	14mm	6	152

5/8" Hex Power Drive

Part Number	Hex Size	Overall Length In.	Overall Length mm
AP-08	1/4	4	102
AP-10	5/16	4	102
AP-12	3/8	4	102
AP-16•	1/2	4	102
AP-18	9/16	4	102
AP-20	5/8	4	102
AP-24	3/4	4	102

Socket Head Bits with Square Drive Adapters, SAE

3/8" Square Drive

Part Number Complete	Part Number Adapter Only	Part Number Insert Only	Hex Size	Overall Length In.	Overall Length mm	Length of Insert In.	Length of Insert mm
SZ-9	SC-314•	SZ-9-A•	3/32	2 1/4	57	1 3/8	35
SZ-7	SC-314•	SZ-7-A	7/64	2 1/4	57	1 3/8	35
SZ-10•	SC-314•	SZ-10-A•	1/8	2 1/4	57	1 3/8	35
SZ-11•	SC-314•	SZ-11-A•	5/32	2 1/4	57	1 3/8	35
SZ-12	SC-314•	SZ-12-A•	3/16	2 1/4	57	1 3/8	35
SZ-13•	SC-314•	SZ-13-A•	7/32	2 1/4	57	1 3/8	35
SZ-14•	SC-314•	SZ-14-A•	1/4	2 1/4	57	1 3/8	35
SZ-15•	SC-314•	SZ-15-A•	5/16	2 1/4	57	1 3/8	35
SZ-16•	SC-314•	SZ-16-A•	3/8	2 1/4	57	1 3/8	35
SZ-17	SC-314•	SZ-17-A•	1/2	2 1/4	57	1 3/8	35
SZ-18	SC-314•	SZ-18-A•	9/16	2 1/4	57	1 3/8	35
SZ-19	SC-314•	SZ-19-A•	5/8	2 1/4	57	1 3/8	35

1/2" Square Drive

Part Number Complete	Part Number Adapter Only	Part Number Insert Only	Hex Size	Overall Length In.	Overall Length mm	Length of Insert In.	Length of Insert mm
SZ-41	SC-514•	SZ-11-A•	5/32	2 1/2	64	1 3/8	35
SZ-20	SC-514•	SZ-12-A•	3/16	2 1/2	64	1 3/8	35
SZ-21	SC-514•	SZ-13-A•	7/32	2 1/2	64	1 3/8	35
SZ-22•	SC-514•	SZ-14-A•	1/4	2 1/2	64	1 3/8	35
SZ-23•	SC-514•	SZ-15-A•	5/16	2 1/2	64	1 3/8	35
SZ-24•	SC-514•	SZ-16-A•	3/8	2 1/2	64	1 3/8	35
SZ-25•	SC-514•	SZ-17-A•	1/2	2 1/2	64	1 3/8	35
SZ-42•	SC-520•	SZ-31-A•	1/2	2 1/2	64	1 9/16	40
SZ-43•	SC-514•	SZ-18-A•	9/16	2 1/2	64	1 3/8	35
SZ-44	SC-520•	SZ-32-A	9/16	2 1/2	64	1 9/16	40
SZ-26•	SC-514•	SZ-19-A•	5/8	2 1/2	64	1 3/8	35
SZ-27	RP-520•	SZ-33-A	5/8	2 1/2	64	1 9/16	40

Adapters with an "SC" prefix feature a set screw for locking in the bit.
An "RP" prefix indicates adapters with a thru hole for a spring pin.

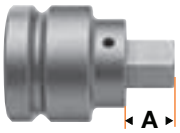
7/16" Hex Insert Bit Only

Part Number	Hex Size	Overall Length In.	Overall Length mm
SZ-11-A-3	5/32	3	76
SZ-12-A-2•	3/16	2	51
SZ-12-A-3	3/16	3	76
SZ-12-A-6	3/16	6	152
SZ-13-A-3	7/32	3	76
SZ-14-A-3	1/4	3	76
SZ-14-A-4	1/4	4	102
SZ-15-A-2	5/16	2	51
SZ-15-A-3	5/16	3	76
SZ-15-A-4	5/16	4	102
SZ-16-A-3	3/8	3	76
SZ-16-A-4	3/8	4	102

Use 7/16" Hex Insert Bits with 7/16" Female Hex Square drive adapters,page 26.
These bits feature a thru hole on the hex flat for use with a spring pin.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Socket Head Bits with Square Drive Adapters, SAE



3/4" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-30	SC-720•	SZ-30-A•	3/8	2 5/8	67	1 9/16	40	29/32	23
SZ-31	SC-720•	SZ-31-A•	1/2	2 5/8	67	1 9/16	40	29/32	23
SZ-32	SC-720•	SZ-32-A	9/16	2 5/8	67	1 9/16	40	29/32	23
SZ-33	RP-720•	SZ-33-A•	5/8	2 5/8	67	1 9/16	40	29/32	23
SZ-34	RP-720•	SZ-34-A•	3/4	2 5/8	67	1 9/16	40	29/32	23
SZ-37	RP-728•	SZ-37-A	3/4	3 1/8	79	2	51	1 1/8	29
SZ-35	SC-720	SZ-35-A	7/8	2 5/8	67	1 9/16	40	29/32	23
SZ-38	RP-728•	SZ-38-A	7/8	3 1/8	79	2	51	1 1/8	29
SZ-36	RP-720	SZ-36-A	1	2 5/8	67	1 9/16	40	29/32	23

1" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-80	RP-820•	SZ-31-A•	1/2	3 1/16	78	1 9/16	40	29/32	23
SZ-85	RP-828•	SZ-85-A	5/8	3 1/4	83	2	51	1 1/8	29
SZ-86	RP-820•	SZ-34-A•	3/4	3 1/32	77	1 9/16	40	29/32	23
SZ-87	RP-828	SZ-37-A	3/4	3 1/4	83	2	51	1 1/8	29
SZ-88	SC-820•	SZ-35-A	7/8	3 1/16	78	1 9/16	40	29/32	23
SZ-89	RP-828•	SZ-38-A	7/8	3 1/4	83	2	51	1 1/8	29
SZ-91	RP-828•	SZ-39-A	1	3 1/4	83	2	51	1 1/8	29
SZ-101	RP-848	SZ-101-A	1 1/4	3 1/2	89	2 5/8	67	1 3/8	35

An "RP" prefix indicates adapters with a roll pin that is inserted through the bit.

Socket Head Bit & Adapter Sets, SAE

APH38	8 piece, 3/8" square drive: 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8
APH56	6 piece, 1/2" square drive: 1/4, 5/16, 3/8, 1/2, 9/16, 5/8

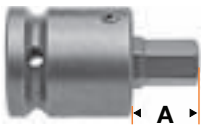
Socket Head Bit & Adapter Sets, Metric

APH35M	5 piece, 3/8" square drive: 4mm, 5mm, 6mm, 8mm, 10mm
APH56M	6 piece, 1/2" square drive: 6mm, 8mm, 10mm, 12mm, 14mm, 17mm

Socket Head Adapters & Inserts, Metric

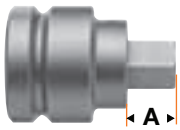
3/8" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-3-7-4mm•	SC-314•	SZ-7-4mm•	4mm	2 1/4	57	1 3/8	35	7/8	22
SZ-3-7-5mm•	SC-314•	SZ-7-5mm•	5mm	2 1/4	57	1 3/8	35	7/8	22
SZ-3-7-6mm•	SC-314•	SZ-7-6mm•	6mm	2 1/4	57	1 3/8	35	7/8	22
SZ-3-7-8mm•	SC-314•	SZ-7-8mm•	8mm	2 1/4	57	1 3/8	35	7/8	22
SZ-3-7-10mm•	SC-314•	SZ-7-10mm•	10mm	2 1/4	57	1 3/8	35	7/8	22



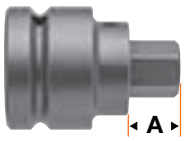
1/2" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-5-7-4mm	SC-514•	SZ-7-4mm•	4mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-5mm	SC-514•	SZ-7-5mm•	5mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-6mm	SC-514•	SZ-7-6mm•	6mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-8mm•	SC-514•	SZ-7-8mm•	8mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-10mm•	SC-514•	SZ-7-10mm•	10mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-12mm•	SC-514•	SZ-7-12mm•	12mm	2 1/2	63	1 3/8	35	7/8	22
SZ-5-7-14mm•	SC-514•	SZ-7-14mm•	14mm	2 1/2	63	1 3/8	35	15/16	24
SZ-5-10-14mm	RP-520•	SZ-10-14mm•	14mm	2 1/2	63	1 9/16	40	29/32	23
SZ-5-10-17mm•	RP-520•	SZ-10-17mm•	17mm	2 1/2	63	1 9/16	40	29/32	23
SZ-5-10-19mm	RP-520•	SZ-10-19mm•	19mm	2 1/2	63	1 9/16	40	29/32	23



3/4" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-7-10-10mm	RP-720•	SZ-10-10mm	10mm	2 1/2	64	1 9/16	40	29/32	23
SZ-7-10-12mm	RP-720•	SZ-10-12mm	12mm	2 1/2	64	1 9/16	40	29/32	23
SZ-7-10-14mm	RP-720•	SZ-10-14mm•	14mm	2 1/2	64	1 9/16	40	29/32	23
SZ-7-10-17mm	RP-720•	SZ-10-17mm•	17mm	2 1/2	64	1 9/16	40	29/32	23



1" Square Drive

Part Number			Hex	Overall Length		Length of Insert		Bit Length (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm	In.	mm
SZ-8-14-17mm	RP-828•	SZ-14-17mm	17mm	3 5/16	84	2	51	1 1/8	29
SZ-8-14-19mm	RP-828•	SZ-14-19mm	19mm	3 5/16	84	2	51	1 1/8	29
SZ-8-14-22mm	RP-828•	SZ-14-22mm	22mm	3 5/16	84	2	51	1 1/8	29
SZ-8-14-24mm	RP-828•	SZ-14-24mm	24mm	3 5/16	84	2	51	1 1/8	29
SZ-8-14-27mm	RP-828•	SZ-14-27mm	27mm	3 5/16	84	2	51	1 1/8	29

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Square Recess Bits

1/4" Hex Insert Bits

Part Number	Point Size	Nominal Size In.	Overall Length In.	Overall Length mm
950-0X•	0	1/16	1	25
950-1X•	1	3/32	1	25
950-2X•	2	1/8	1	25
950-3X•	3	9/64	1	25

1/4" Hex Power Drive

Part Number	Point Size	Nominal Size In.	Overall Length In.	Overall Length mm
954-0X•	0	1/16	1 15/16	49
954-A-0X	0	1/16	2 3/4	70
954-C-0X	0	1/16	6	152
954-1X•	1	3/32	1 15/16	49
954-A-1X•	1	3/32	2 3/4	70
954-B-1X•	1	3/32	3 1/2	89
954-C-1X	1	3/32	6	152
954-2X•	2	1/8	1 15/16	49
954-A-2X•	2	1/8	2 3/4	70
954-B-2X•	2	1/8	3 1/2	89
954-C-2X•	2	1/8	6	152
954-3X•	3	9/64	1 15/16	49
954-A-3X•	3	9/64	2 3/4	70
954-B-3X•	3	9/64	3 1/2	89
954-C-3X•	3	9/64	6	152

1/4" Hex Power Drive – Turned Body

Part Number	Point Size	Nominal Size In.	Overall Length In.	Overall Length mm	Turned Length In.	Turned Length mm
1950-0X	0	1/16	1 15/16	49	1 1/4	32
1951-0X	0	1/16	2 3/4	70	2	51
1950-1X•	1	3/32	1 15/16	49	1 1/4	32
1951-1X•	1	3/32	2 3/4	70	2	51
1953-1X•	1	3/32	3 1/2	89	2 3/4	70
1950-2X•	2	1/8	1 15/16	49	1 1/4	32
1951-2X•	2	1/8	2 3/4	70	2	51
1953-2X•	2	1/8	3 1/2	89	2 3/4	70
1956-2X	2	1/8	6	152	5 1/8	130
1950-3X	3	9/64	1 15/16	49	1 1/4	32
1951-3X	3	9/64	2 3/4	70	2	51
1953-3X•	3	9/64	3 1/2	89	2 3/4	70

Screw Size	3 & 4	5, 6, 7	8, 9, 10	12-14 1/4
Square Point Size	0	1	2	3

For Quad-rex bits refer to page 14.

Male Square Inserts for Pipe Plugs

1/4" to 1/2" Male Square

Part Number	Male Hex In.	Male Square In.	Overall Length In.	Overall Length mm
P-1408•	7/16	1/4	1 1/4	32
P-1409•	7/16	9/32	1 1/4	32
P-1410•	7/16	5/16	1 1/4	32
P-1412•	7/16	3/8	1 1/4	32
P-1414	7/16	7/16	1 1/4	32
P-1416•	7/16	1/2	1 1/4	32
P-2010	5/8	5/16	1 1/2	38
P-2012	5/8	3/8	1 1/2	38
P-2014	5/8	7/16	1 1/2	38
P-2016	5/8	1/2	1 1/2	38

Note: For pipe plug inserts use SC and RP bit holders found on page 26.

Double Square Recess Bits

1/4" Hex Power Drive

Part Number	Point Size	Overall Length In.	Overall Length mm
954-2-DX	2	1 15/16	49

1/4" Hex Power Drive – Turned Body

Part Number	Point Size	Overall Length In.	Overall Length mm	Turned Length In.	Turned Length mm
1953-2-D	2	3 1/2	89	2 3/4	70

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Triple Square Bits

1/4" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
440-TSQ-4M	4mm	1	25
440-TSQ-5M	5mm	1	25
440-TSQ-6M	6mm	1	25
440-TSQ-8M	8mm	1	25
440-TSQ-10M	10mm	1	25

5/16" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
480-TSQ-6M	6mm	1 1/4	32
480-TSQ-8M	8mm	1 1/4	32
480-TSQ-10M	10mm	1 1/4	32
480-TSQ-12M	12mm	1 1/4	32
480-TSQ-14M	14mm	1 1/4	32

1/4" Hex Power Drive

Part Number	Point Size	Overall Length In.	Overall Length mm
49-TSQ-4M	4mm	2	50
49-TSQ-5M	5mm	2	50
49-TSQ-6M	6mm	2	50
49-TSQ-8M	8mm	2	50
49-TSQ-10M	10mm	2	50
49-TSQ-12M	12mm	2	50

7/16" Hex Power Drive

Part Number	Point Size	Overall Length In.	Overall Length mm
48-TSQ-5M	5mm	3 1/2	88
48-TSQ-6M	6mm	3 1/2	88
48-TSQ-8M	8mm	3 1/2	88
48-TSQ-10M	10mm	3 1/2	88
48-TSQ-12M	12mm	3 1/2	88
48-TSQ-14M	14mm	3 1/2	88

Torq-Set® Bits

1/4" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
212-0•	0	1	25
212-1•	1	1	25
212-2•	2	1	25
212-3•	3	1	25
212-4•	4	1	25
212-5•	5	1	25
212-6•	6	1	25
212-8•	8	1	25
212-10•	10	1	25
212-1/4•	1/4	1	25

1/4" Hex Insert Bits – ACR®

Available with ACR® ribs for removal only

Part Number	Point Size	Overall Length In.	Overall Length mm
212-6-ACR	6	1 1/4	32
212-8-ACR	8	1 1/4	32
212-10-ACR	10	1 1/4	32
212-1/4-ACR	1/4	1 1/4	32

5/16" Hex Insert Bits

Part Number	Point Size	Overall Length In.	Overall Length mm
212-8A•	8	1 1/4	32
212-10A•	10	1 1/4	32
212-1/4A•	1/4	1 1/4	32
212-5/16A•	5/16	1 1/4	32
212-3/8A•	3/8	1 1/4	32

5/16" Hex Insert Bits – ACR®

Available with ACR® ribs for removal only

Part Number	Point Size	Overall Length In.	Overall Length mm
212-1/4A-ACR•	1/4	1 1/4	32
212-5/16A-ACR•	5/16	1 1/4	32

Torq-Set® and ACR® are registered trademarks of the Phillips Screw Company.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Torq-Set® Bits

1/4" Hex Power Drive

Part Number	Point Size	Overall Length In.	mm
170-0	0	1 1/4	32
273-0•	0	1 15/16	49
273B-0	0	2 3/4	70
265-0	0	3 1/2	89
265A-0	0	6	152
170-1•	1	1 1/4	32
273A-1	1	1 13/16	46
273-1	1	1 15/16	49
273B-1•	1	2 3/4	70
265-1	1	3 1/2	89
265A-1	1	6	152
170-2•	2	1 1/4	32
273A-2	2	1 13/16	46
273-2•	2	1 15/16	49
273B-2•	2	2 3/4	70
265-2•	2	3 1/2	89
265A-2	2	6	152
170-3•	3	1 1/4	32
273A-3	3	1 13/16	46
273-3•	3	1 15/16	49
273B-3	3	2 3/4	70
265-3	3	3 1/2	89
265A-3	3	6	152
170-4•	4	1 1/4	32
273A-4	4	1 13/16	46
273-4•	4	1 15/16	49
273B-4•	4	2 3/4	70
265-4•	4	3 1/2	89
265A-4•	4	6	152
170-5•	5	1 1/4	32
273-5	5	1 15/16	49
273B-5	5	2 3/4	70
265-5•	5	3 1/2	89
265A-5	5	6	152
170-6•	6	1 1/4	32
170-6-ACR*•	6	1 1/4	32
273A-6	6	1 13/16	46
273-6•	6	1 15/16	49
273B-6•	6	2 3/4	70
265-6•	6	3 1/2	89
265A-6	6	6	152
170-8•	8	1 1/4	32
170-8-ACR*•	8	1 1/4	32
273A-8	8	1 13/16	46
273-8•	8	1 15/16	49
273B-8•	8	2 3/4	70
265-8•	8	3 1/2	89
265A-8	8	6	152
170-10•	10	1 1/4	32
170-10-ACR*•	10	1 1/4	32
273A-10•	10	1 13/16	46
273-10•	10	1 15/16	49
273B-10•	10	2 3/4	70
265-10•	10	3 1/2	89
265A-10	10	6	152
170-1/4B•	1/4	1 1/4	32
170-5/16B•	5/16	1 1/4	32
170-3/8B•	3/8	1 1/4	32

**Feature ACR® anti-camout ribs.*

5/16" Hex Power Drive

Part Number	Point Size	Overall Length In.	mm
170-8A•	8	1 1/4	32
170-10A•	10	1 1/4	32
170-1/4A•	1/4	1 1/4	32
170-5/16A•	5/16	1 1/4	32
170-3/8A	3/8	1 1/4	32

7/16" Hex Power Drive

Part Number	Point Size	Overall Length In.	mm
170-1/4•	1/4	1 1/4	32
265-1/4	1/4	3 1/2	89
265A-1/4	1/4	6	152
170-5/16•	5/16	1 1/4	32
265-5/16	5/16	3 1/2	89
265A-5/16	5/16	6	152
170-3/8•	3/8	1 1/4	32
170-3/8C	3/8	1 1/4	32
265A-3/8	3/8	6	152
170-7/16•	7/16	1 1/4	32
170-7/16C	7/16	1 1/4	32
265A-7/16	7/16	6	152

7/16" Hex Power Drive – ACR®

Available with ACR® ribs for removal only

Part Number	Point Size	Overall Length In.	mm
170-1/4-ACR•	1/4	1 1/4	32
170-5/16-ACR•	5/16	1 1/4	32

5/8" Hex Power Drive

Part Number	Point Size	Overall Length In.	mm
170-1/2•	1/4	1 1/4	32
170-9/16	9/16	1 1/4	32
170-5/8•	5/8	1 1/4	32

MorTorq® Bits

Part Number	Driver Size/ Type	MorTorq Size	Overall Length In.	mm
440-MT-00	1/4" Hex Insert	00	1	25
440-MT-0	1/4" Hex Insert	0	1	25
440-MT-1	1/4" Hex Insert	1	1	25
440-MT-2	1/4" Hex Insert	2	1	25
480-MT-3	5/16" Hex Insert	3	1 1/4	31
AM-MT-0	1/4" Hex Power	0	1 5/16	31
AM-MT-1	1/4" Hex Power	1	1 5/16	31
AM-MT-2	1/4" Hex Power	2	1 5/16	31
AN-MT-3	7/16" Hex Power	3	3 1/2	89
AN-MT-4	7/16" Hex Power	4	3 1/2	89

Other drive sizes/types and point sizes can be quoted. Contact your Apex Distributor or Representative for more information. Mortorq® is a registered trademark of Phillips Screw Company.

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 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Tri-Wing®

1/4" Hex Insert Bits

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TWD-0•	0	0-80	-	1	25
TWD-1•	1	2-56	4-40	1	25
TWD-2•	2	4-40	6-32	1	25
TWD-3•	3	6-32	8-32	1	25
TWD-4•	4	8-32	10-32	1	25
TWD-5•	5	10-32	1/4-28	1	25
TWD-6•	6	1/4	5/16	1	25
TWD-7	7	5/16	3/8	1	25

1/4" Hex Insert Bits – ACR®

Available with ACR® ribs for removal only

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TWD-4-ACR	4	8-32	10-32	1	25
TWD-5-ACR•	5	10-32	1/4-28	1	25

5/16" Hex Insert Bit

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TWE-4	4	8-32	10-32	1 1/4	32
TWE-5•	5	10-32	1/4-28	1 1/4	32

1/4" Hex Power Drive

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TW-0	0	0-80	-	1 1/4	32
TW-1•	1	2-56	4-40	1 1/4	32
TW-2•	2	4-40	6-32	1 1/4	32
TW-3•	3	6-32	8-32	1 1/4	32
TW-4•	4	8-32	10-32	1 1/4	32
TW-5•	5	10-32	1/4-28	1 1/4	32
TWB-6•	6	1/4-28	5/16-24	1 1/4	32
TWB-7•	7	5/16-24	3/8-24	1 1/4	32
TWB-8	8	3/8-24	7/16-20	1 1/4	32

5/16" Hex Power Drive

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TWA-6•	6	1/4-28	5/16-24	1 1/4	32
TWA-7	7	5/16-24	3/8-24	1 1/4	32
TWA-8	8	3/8-24	7/16-20	1 1/4	32

7/16" Hex Power Drive

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TW-6	6	1/4-28	5/16-24	1 1/4	32
TW-7	7	5/16-24	3/8-24	1 1/4	32

3/4" Hex Power Drive

Part Number	Recess Size	Screw Size Tension Head	Screw Size Shear Head	Overall Length In.	Overall Length mm
TW-14	14	7/8-14	1-12	3	76
TW-15	15	1-12	-	3	76

Hi-Torque® Bits

1/4" Square Drive Insert Bits

Part Number	Recess	Overall Length In.	Body Diameter In.	Blade Thickness In.	Blade Width In.
HTS-0•	0	1	1/2	.029	.167
HTS-1•	1	1	1/2	.049	.274
HTS-2•	2	1	1/2	.059	.295
HTS-3•	3	1	1/2	.059	.377
HTS-4•	4	1	1/2	.073	.502

3/8" Square Drive Insert Bits

Part Number	Recess	Overall Length In.	Body Diameter In.	Blade Thickness In.	Blade Width In.
HTS-3A•	3	1	3/4	.059	.377
HTS-4A•	4	1	3/4	.073	.502
HTS-5•	5	1 1/4	3/4	.079	.629
HTS-6•	6	1 1/4	3/4	.095	.745

1/2" Square Drive Insert Bits

Part Number	Recess	Overall Length In.	Body Diameter In.	Blade Thickness In.	Blade Width In.
HTS-7	7	1 5/8	1	.112	.884
HTS-8	8	1 5/8	1	.142	.995
HTS-9	9	1 5/8	1 1/4	.162	1.136
HTS-10	10	1 5/8	1 1/4	.182	1.250
HTS-12	12	2 3/8	1 1/4	.216	1.500

1/4" Hex Insert Bits

Part Number	Recess	Overall Length In.	Body Diameter In.	Blade Thickness In.	Blade Width In.
HTN-B-1•	1	1 1/4	9/32	.049	.274
HTN-B-2•	2	1 1/4	5/16	.059	.295
HTN-B-3•	3	1 1/4	3/8	.059	.377
HTN-B-4	4	1 1/4	1/2	.073	.502

Nominal Screw Size	0	1	2	3	4	5	6	8	10	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
Hi-Torque Recess	0	0	0	1	1	1	1	2	3	4	5	6	7	8	9	10	12

Hi-Torque®—Rudy Vaughn, Licensor

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

APEX® Solutions

Does Apex offer magnetic bit holders?

Bit holders, like this Apex M-490, let you use a variety of insert bits in power tool applications. You get economy and flexibility – and fasteners can be magnetically held to the bit.

(See page 48)

Do Apex quick-release bit holders hold bits securely?

A quick-release bit holder allows fast, easy insert bit changes while assuring that bits stay securely in the bit holder. Simply pull back on the knurled sleeve to release the bit.

(See pages 48)

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

Does Apex offer quick release chucks?

Apex has a complete line of quick release chucks that provide fast and easy power bit changes.

(See page 49)

Bit Holders

1/4” Hex Drive for 1/4” Hex Inserts

Non-magnetic

Part Number	Overall Length In.	mm
490•	2 1/8	54
490-3•	3	76
490-4•	4	102
490-5•	5	127
490-6•	6	152
490-8•	8	203
490-10•	10	254

M-490-2•	2	51	Magnetic
M-490-NR•	2 31/32	75	Magnetic; No lock ring
M-490•	2 31/32	75	Magnetic
M-497•	3 3/32	79	Magnetic; 3/8” (9.5mm) reduced dia.
M-490-4•	4	102	Magnetic
M-490-6•	6	152	Magnetic
M-490-8•	8	203	Magnetic
M-490-10•	10	254	Magnetic
M-490-12•	12	304	Magnetic
M-44-90	3 1/4	83	Magnetic; for Flip-Tip™ reversible bits

M-495•	2 7/8	73	Magnetic; 3/8” (9.5mm) turned shank
M-495-5	5	127	Magnetic; 3/8” (9.5mm) turned shank

RM-490•	2 7/8	73	Magnetic; nose piece only, #490-RN
RM-490-4	4	102	Magnetic; nose piece only, #490-RN
RM-490-6•	6	152	Magnetic; nose piece only, #490-RN

M-490-2-OR•	2	51	Magnetic; with O-Ring retainer
M-490-OR•	3	76	Magnetic; with O-Ring retainer

1/4” Hex Drive for 1/4” Hex Inserts, Quick Release

Part Number	Overall Length In.	mm	
QR-M-490-2•	2	51	Magnetic; quick release
QR-M-490-A•	2 29/32	74	Magnetic; quick release
QR-M-490-A6	6	152	Magnetic; quick release
QR-M-490-200M	7 7/8	200	Magnetic; quick release

1/4” Hex Drive for 5/16” Hex Inserts

Part Number	Overall Length In.	mm	
498	2 3/8	60	
M-498•	3 1/16	78	Magnetic

5/16” Hex Drive

Part Number	Overall Length In.	mm	
630	1 13/16	46	For 1/4” hex inserts
M-630•	3	76	For 1/4” hex inserts; magnetic
638•	2 1/2	64	For 5/16” hex inserts
M-638•	3 3/32	79	For 5/16” hex inserts; magnetic

5/16” Buckeye-Desoutter for 1/4” Hex Inserts

Part Number	Overall Length In.	mm	
610	2	51	
M-610•	3 3/16	81	Magnetic

7/16” Hex Drive

Part Number	Overall Length In.	mm	
488•	2 3/4	70	For 1/4” hex inserts
M-488	3 1/16	78	For 1/4” hex inserts; magnetic
480•	2 3/4	70	For 5/16” hex inserts
M-480•	3 5/16	84	For 5/16” hex inserts; magnetic
M-480-6•	6	152	For 5/16” hex inserts; magnetic

9/32” 130-A Yankee Type for 1/4” Hex Inserts

Part Number	Overall Length In.	mm	
450	2 1/4	57	
M-450•	3 3/8	86	Magnetic

5/16” 131-A Yankee Type for 1/4” Hex Inserts

Part Number	Overall Length In.	mm	
460•	2 1/4	57	
M-460	3 3/8	86	Magnetic

7/32” 135-A Yankee Type for 1/4” Hex Inserts

Part Number	Overall Length In.	mm	
M-470	3 3/8	86	Magnetic

1/4”-24 Screw Shank for 1/4” Hex Inserts

Part Number	Overall Length In.	mm	
400-BH	1 1/8	29	

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Bit Holders

1/4" Female Square Drive

Part Number	Overall Length In.	Overall Length mm	
825•	1	25	For 1/4" hex inserts
M-825•	2 9/32	58	For 1/4" hex inserts; magnetic
820•	23/32	18	For 1/4" square inserts

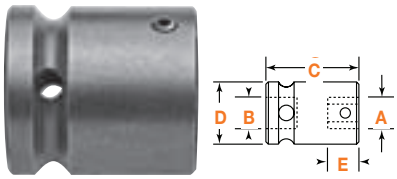
3/8" Female Square Drive

Part Number	Overall Length In.	Overall Length mm	
838•	1 1/2	38	For 1/4" hex inserts
M-838•	2 23/32	69	For 1/4" hex inserts; magnetic
835•	1 1/2	38	For 5/16" hex inserts
M-835•	2 3/4	70	For 5/16" hex inserts; magnetic
830•	1 1/2	38	For 5/16" square inserts

1/2" Female Square Drive

Part Number	Overall Length In.	Overall Length mm	
858•	1 3/4	45	For 1/4" hex inserts
M-858•	2 3/4	70	For 1/4" hex inserts; magnetic
855•	1 3/4	45	For 5/16" hex inserts
M-855	2 3/4	70	For 5/16" hex inserts; magnetic
850•	1 3/4	45	For 5/16" square inserts

Bit Holders/ Adapters with Set Screw or Thru Hole



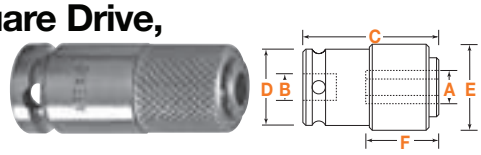
Set Screw Lock	Hex Opening (A) In.	Square Drive (B) In.	Overall Length (C) In.	Overall Length (C) mm	Body Diameter (D) In.	Body Diameter (D) mm	Opening Depth (E) In.	Opening Depth (E) mm
SC-108•	1/4	1/4	1 1/4	32	3/4	19	5/8	16
SC-308•	1/4	3/8	1 1/2	38	3/4	19	5/8	16
SC-508•	1/4	1/2	1 1/2	38	7/8	22	5/8	16
SC-114	7/16	1/4	1	25	3/4	19	17/32	13
SC-314•	7/16	3/8	1 3/8	35	3/4	19	17/32	13
SC-514•	7/16	1/2	1 5/8	41	15/16	24	17/32	13
SC-614	7/16	5/8	1 3/4	46	1 1/4	32	17/32	13
SC-520•	5/8	1/2	1 1/2	38	1 1/8	29	11/16	17
SC-620	5/8	5/8	1 1/2	38	1 1/4	32	11/16	17
SC-720•	5/8	3/4	1 11/16	43	1 1/2	38	11/16	17
SC-820	5/8	1	2 1/8	54	2 1/8	54	11/16	17
SC-724	3/4	3/4	2	51	1 5/8	42	7/8	22
SC-728	7/8	3/4	2	51	1 5/8	42	57/64	23
SC-828	7/8	1	2 1/8	54	2 1/8	54	5/8	23

Note: Use SC bit holders with socket head inserts (page 19) and pipe plug inserts (page 21). Can be used with power bits.

Female Threaded Drive, Quick Releasing Chucks

Part Number	Female Thread	Hex Opening In.	Overall Length In.	Overall Length mm	Overall Diameter In.	Overall Diameter mm	Opening Depth In.	Opening Depth mm
QRA-08•	3/8"-24	1/4	1 3/4	45	3/4	19	61/64	24
QRA-14•	3/8"-24	7/16	2	51	1 1/4	32	1 1/16	27
QRF-08•	1/2"-20	1/4	1 3/4	45	3/4	19	61/64	24
QRF-14•	1/2"-20	7/16	2	51	1 1/4	32	1 1/16	27
QRF-20	1/2"-20	5/8	2 5/8	67	1 5/8	41	1 1/2	38

Female Square Drive, Quick Releasing Chucks



Part Number	Hex Open. (A) In.	Square Drive (B) In.	Overall Length (C) In.	Overall Length (C) mm	Body Diameter (D) In.	Body Diameter (D) mm	Sleeve Diameter (E) In.	Sleeve Diameter (E) mm	Opening Depth (F) In.	Opening Depth (F) mm
QR-108•	1/4	1/4	1 1/2	38	3/4	19	3/4	19	61/64	24
QR-308•	1/4	3/8	1 3/4	45	3/4	19	3/4	19	61/64	24
QR-508•	1/4	1/2	2 1/8	54	7/8	22	3/4	19	61/64	24
QR-314•	7/16	3/8	2	51	1	25	1 1/4	32	1 3/32	28
QR-514•	7/16	1/2	2 1/8	54	1	25	1 1/4	32	1 1/16	27
QR-614	7/16	5/8	2 1/8	54	1 1/4	32	1 1/4	32	1 1/16	27
QR-714•	7/16	3/4	2 3/8	60	1 1/2	38	1 1/4	32	1 1/16	27
QR-520•	5/8	1/2	2 5/8	67	1 1/2	38	1 5/8	41	1 1/2	38
QR-620	5/8	5/8	2 5/8	67	1 1/2	38	1 5/8	41	1 1/2	38
QR-720•	5/8	3/4	3 1/8	79	1 1/2	38	1 5/8	41	1 1/2	38
QR-820•	5/8	1	3 1/4	83	2 1/8	54	1 5/8	41	1 1/2	38
QR-824	3/4	1	3 3/4	95	2	51	1 7/8	48	1 5/8	41

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4” Hex Drive Nutsetters for Sheet Metal Screws

6 Point Power Drive, SAE

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.		
DB-08•	1/4	2 9/16	7/16	Non-magnetic	
DB-10•	5/16	2 9/16	1/2	Non-magnetic	
DB-12•	3/8	2 9/16	9/16	Non-magnetic	
MDA-08•	1/4	1 3/4	7/16	Magnetic	
MDAT-08•	1/4	1 3/4	3/8	Magnetic	
MDA-10•	5/16	1 3/4	1/2	Magnetic	
MDA-12•	3/8	1 3/4	9/16	Magnetic	
MDA-14•	7/16	2	11/16	Magnetic	
MDB-08•	1/4	2 9/16	7/16	Magnetic	5/16” Shank Diameter
MDB-10•	5/16	2 9/16	1/2	Magnetic	5/16” Shank Diameter
MDB-12•	3/8	2 9/16	9/16	Magnetic	5/16” Shank Diameter
MDB-14•	7/16	2 9/16	5/8	Magnetic	5/16” Shank Diameter
MDC-08	1/4	2 9/16	7/16	Magnetic	3/8” Shank Diameter
MDC-10	5/16	2 9/16	1/2	Magnetic	3/8” Shank Diameter
MDC-12	3/8	2 9/16	9/16	Magnetic	3/8” Shank Diameter

6 Point Insert, SAE

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.	
MHM-1310	5/16	1 1/8	1/2	Magnetic
MHM-1912	3/8	1 3/4	9/16	Magnetic

6 Point Power Drive, Metric

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.	
MDA-6mm•	6	44.5	9.5	Magnetic
MDA-7mm•	7	44.5	11.1	Magnetic
MDA-8mm•	8	44.5	12.7	Magnetic
MDA-10mm•	10	44.5	14.3	Magnetic
MDA-10mm-80m	10	80.0	14.3	Magnetic

6 Point Insert, Metric

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.	
MHM-7mm	7	31.8	11.1	Magnetic
MHM-8mm	8	31.8	12.7	Magnetic
MHM-10mm	10	31.8	14.3	Magnetic

1/4” Hex Drive Nutsetters

6 Point and 6 Point Magnetic, SAE

Part Number 6 Point	Part Number Magnetic	Size In.	Overall Length In.	Socket Nose Diameter In.
6N-0806-2•	M6N-0806-2•	3/16	2	5/16
6N-0806-3•	M6N-0806-3•	3/16	3	5/16
-	M6N-0806-5	3/16	5	5/16
-	M6N-0806-6•	3/16	6	5/16
6N-0808-2•	M6N-0808-2•	1/4	2	7/16
6N-0808-3•	M6N-0808-3•	1/4	3	7/16
6N-0808-4•	M6N-0808-4•	1/4	4	7/16
6N-0808-5	M6N-0808-5•	1/4	5	7/16
6N-0808-6•	M6N-0808-6•	1/4	6	7/16
6N-0810-2•	M6N-0810-2•	5/16	2	1/2
6N-0810-3•	M6N-0810-3•	5/16	3	1/2
6N-0810-4•	M6N-0810-4•	5/16	4	1/2
6N-0810-5	M6N-0810-5•	5/16	5	1/2
6N-0810-6•	M6N-0810-6•	5/16	6	1/2
6N-0811-2•	M6N-0811-2•	11/32	2	9/16
6N-0811-3	M6N-0811-3•	11/32	3	9/16
6N-0812-2•	M6N-0812-2•	3/8	2	9/16
6N-0812-3•	M6N-0812-3•	3/8	3	9/16
6N-0812-4•	M6N-0812-4•	3/8	4	9/16
6N-0812-6•	M6N-0812-6•	3/8	6	9/16
6N-0814-2•	M6N-0814-2•	7/16	2	21/32
6N-0814-3•	M6N-0814-3•	7/16	3	21/32
6N-0814-4	M6N-0814-4•	7/16	4	21/32
6N-0814-6•	M6N-0814-6•	7/16	6	21/32
6N-0816-2•	M6N-0816-2•	1/2	2	3/4
6N-0816-3•	M6N-0816-3•	1/2	3	3/4
6N-0818-2•	M6N-0818-2•	9/16	2	13/16

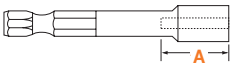
6 Point and 6 Point Magnetic, Metric

Part Number 6 Point	Part Number Magnetic	Size mm	Overall Length mm	Socket Nose Diameter mm
6N-08-8M-3	M6N-08-8M-3	8	76	12.7
6N-08-8M-4	M6N-08-8M-4•	8	102	12.7
6N-08-8M-6	M6N-08-8M-6	8	152	12.7
6N-08-10M-3•	M6N-08-10M-3•	10	76	14.3
6N-08-10M-4•	M6N-08-10M-4•	10	102	14.3
6N-08-10M-6	M6N-08-10M-6•	10	76	14.3
6N-08-12M-3	M6N-08-12M-3	12	76	19.0
6N-08-12M-4	M6N-08-12M-4	12	102	19.0
6N-08-12M-6	M6N-08-12M-6•	12	152	19.0

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4" Hex Drive Nutsetters

6 Point, Bolt Clearance



Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.	Depth of Clearance (A) In.
6B-0808•	1/4	3 1/4	7/16	1 3/8
6B-0809•	9/32	3 1/4	1/2	1 3/8
6B-0810•	5/16	3 1/4	1/2	1 3/8
6B-0811•	11/32	3 1/4	9/16	1 3/8
6B-0812•	3/8	3 1/4	9/16	1 3/8
6B-0814•	7/16	3 1/4	21/32	1 3/8
6B-0816•	1/2	3 1/4	3/4	1 3/8
6B-0818•	9/16	3 1/4	13/16	1 3/8
6B-0820•	5/8	3 1/4	7/8	1 3/8

See bolt clearance Tool Tip page 32.

7/16" Hex Drive Nutsetters

6 Point

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.
6N-1410-3	5/16	3	9/16
6N-1412-3	3/8	3	9/16
6N-1414-3	7/16	3	3/4
6N-1416-3	1/2	3	13/16
6N-1416-4	1/2	4	13/16
6N-1418-3•	9/16	3	7/8
6N-1418-6	9/16	6	7/8
6N-1420-3	5/8	3	1
6N-1424-3	3/4	3	1 1/8
6N-1424-6	3/4	6	1 1/8

5/8" Hex Drive Nutsetters

6 Point

Part Number 6 Point	Size In.	Overall Length In.	Socket Nose Diameter In.
6N-2028-4	7/8	4	1 3/8
6N-2036-4	1 1/8	4	1 5/8

Hand Drivers

Drivers with Self-Contained Insert Bits

Part No.	Female Hex Size	Overall Length In.	Overall Length mm	Blade Projection In.	Blade Projection mm	
M-15-SC	1/4	8 1/2	216	4 3/8	111	Phillips #1, #2, #3; Slotted 4F-5R, 10F-12R; hollow handle.
M-15-SC-A•	1/4	8 1/2	216	4 3/8	111	Without bits; hollow handle.

Replaceable Bit Drivers

Part No.	Female Hex Size	Overall Length In.	Overall Length mm	Blade Projection In.	Blade Projection mm
1510-P•	1/4	2 3/4	70	7/8	22
1500-P•	1/4	7 1/2	191	3 9/32	83

Replaceable Bit Drivers – Magnetic

Part No.	Female Hex Size	Overall Length In.	Overall Length mm	Blade Projection In.	Blade Projection mm
M-1505-P•	1/4	2 3/8	60	3/8	10
M-1500-P•	1/4	8 1/2	216	4 3/8	111

24 Bit Kit•

Industrial Bit Kit

Tool kit includes plastic carrying case with:

- Magnetic hand driver and magnetic bit holder.
- Phillips bits: #1,#2, #3
- Slotted bits: 3F-4R, 4F-5R, 6F-8R, 8F-10R, 10F-12R
- Torx® bits: T-10. T-15, T-20, T-25, T-27, T-30, T-40
- Square Recess bits: 3/32", 1/8"
- Hex bits: 5/64", 3/32", 7/64", 1/8", 9/64"
- Pozidriv® bits: #1, #2

Awls

Part Number	Overall Length In.	Overall Length mm	Shank Diameter In.	Shank Diameter mm
AW-95•	7 7/16	189	.307	7.8
AW-95-L•	8	203	.307	7.8
AW-95-LL•	8 7/8	225	.307	7.8

Use awls to line up holes and scratch mark surfaces.

Pozidriv® is a registered trademark of the Phillips Screw Co. Torx® is a registered trademark of the Camcar Division of Textron.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Hex Extensions

Male Hex Drive with 1/4” Male Square

Part Number	Hex Drive In.	Type of Lock	Overall Length In.	mm
EX-250	1/4	Pin	1 3/8	35
EX-250-B•	1/4	Ball	1 3/8	35
EX-250-2•	1/4	Pin	2	51
EX-250-B-2•	1/4	Ball	2	51
EX-250-3•	1/4	Pin	3	76
EX-250-B-3•	1/4	Ball	3	76
EX-250-4•	1/4	Pin	4	102
EX-250-B-4•	1/4	Ball	4	102
EX-250-5•	1/4	Pin	5	127
EX-250-B-5•	1/4	Ball	5	127
EX-250-6•	1/4	Pin	6	152
EX-250-B-6•	1/4	Ball	6	152
EX-250-8•	1/4	Pin	8	203
EX-250-B-8•	1/4	Ball	8	203
EX-250-12•	1/4	Pin	12	305
EX-250-B-12•	1/4	Ball	12	305
EX-262	5/16	Pin	1 1/2	38
EX-262-4	5/16	Pin	4	102
EX-262-B-4	5/16	Ball	4	102
EX-262-6	5/16	Pin	6	152
EX-251	7/16	Pin	1 3/8	35
EX-251-B	7/16	Ball	1 3/8	35
EX-251-2•	7/16	Pin	2	51
EX-251-B-2	7/16	Ball	2	51
EX-251-3	7/16	Pin	3	76
EX-251-6	7/16	Pin	6	152
EX-251-8	7/16	Pin	8	203
EX-251-10	7/16	Pin	10	254

Male Hex Drive with 3/8” Male Square

Part Number	Hex Drive In.	Type of Lock	Overall Length In.	mm
EX-370•	1/4	Pin	1 5/8	41
EX-370-B•	1/4	Ball	1 5/8	41
EX-370-2•	1/4	Pin	2	51
EX-370-B-2•	1/4	Ball	2	51
EX-370-3•	1/4	Pin	3	76
EX-370-B-3•	1/4	Ball	3	76
EX-370-4•	1/4	Pin	4	102
EX-370-B-4•	1/4	Ball	4	102
EX-370-5•	1/4	Pin	5	127
EX-370-6•	1/4	Pin	6	152
EX-370-B-6•	1/4	Ball	6	152
EX-370-8•	1/4	Pin	8	203
EX-370-B-8	1/4	Ball	8	203
EX-370-10•	1/4	Pin	10	254
EX-370-B-10	1/4	Ball	10	254
EX-380•	5/16	Pin	1 1/2	38
EX-380-B•	5/16	Ball	1 1/2	38
EX-380-2•	5/16	Pin	2	51
EX-380-B-2	5/16	Ball	2	51
EX-380-3•	5/16	Pin	3	76
EX-380-4	5/16	Pin	4	102
EX-380-6	5/16	Pin	6	152
EX-371•	7/16	Pin	1 3/4	45
EX-371-2•	7/16	Pin	2	51
EX-371-2 3/4•	7/16	Pin	2 3/4	70
EX-371-3•	7/16	Pin	3	76
EX-371-B-3•	7/16	Ball	3	76
EX-371-4•	7/16	Pin	4	102
EX-371-5•	7/16	Pin	5	127
EX-371-6•	7/16	Pin	6	152
EX-371-8•	7/16	Pin	8	203
EX-371-10•	7/16	Pin	10	254
EX-371-12•	7/16	Pin	12	305
EX-371-15•	7/16	Pin	15	381

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Hex Extensions

Male Hex Drive with 1/2" Male Square

Part Number	Hex Drive In.	Type of Lock	Overall Length In.	Overall Length mm
EX-500-2•	1/4	Pin	2	51
EX-500-B-2•	1/4	Ball	2	51
EX-500-3•	1/4	Pin	3	76
EX-500-B-3•	1/4	Ball	3	76
EX-500-4•	1/4	Pin	4	102
EX-500-B-4•	1/4	Ball	4	102
EX-500-6•	1/4	Pin	6	152
EX-500-B-6	1/4	Ball	6	152
EX-512-2	5/16	Pin	2	51
EX-512-B-2	5/16	Ball	2	51
EX-512-3	5/16	Pin	3	76
EX-512-B-4	5/16	Ball	4	102
EX-501-2•	7/16	Pin	2 1/8	54
EX-501-B-2•	7/16	Ball	2 1/8	54
EX-501-3•	7/16	Pin	3	76
EX-501-B-3•	7/16	Ball	3	76
EX-501-4•	7/16	Pin	4	102
EX-501-B-4	7/16	Ball	4	102
EX-501-5•	7/16	Pin	5	127
EX-501-B-5	7/16	Ball	5	127
EX-501-6•	7/16	Pin	6	152
EX-501-B-6	7/16	Ball	6	152
EX-501-8•	7/16	Pin	8	203
EX-501-B-8	7/16	Ball	8	203
EX-501-10•	7/16	Pin	10	254
EX-501-B-10	7/16	Ball	10	254
EX-501-12	7/16	Pin	12	305
EX-501-B-12•	7/16	Ball	12	305
EX-501-15	7/16	Pin	15	381
EX-502	5/8	Pin	2	51
EX-502-B	5/8	Ball	2	51
EX-502-3•	5/8	Pin	3	76
EX-502-B-3	5/8	Ball	3	76
EX-502-B-4	5/8	Ball	4	102
EX-502-5	5/8	Pin	5	127
EX-502-6	5/8	Pin	6	152
EX-502-8	5/8	Pin	8	203

Male Hex Drive with 5/8" Male Square

Part Number	Hex Drive In.	Type of Lock	Overall Length In.	Overall Length mm
EX-620-3	7/16	Pin	3	76
EX-620-6	7/16	Pin	6	152
EX-621-3	5/8	Pin	3	76
EX-621-B-3	5/8	Ball	3	76
EX-621-6	5/8	Pin	6	152
EX-621-8	5/8	Pin	8	203

Male Hex Drive with 3/4" Male Square

Part Number	Hex Drive In.	Type of Lock	Overall Length In.	Overall Length mm
EX-757-3	7/16	7/32 Drill Hole	3	76
EX-757-B-3	7/16	Ball	3	76
EX-758-4•	5/8	7/32 Drill Hole	4	102
EX-758-B-4	5/8	Ball	4	102
EX-758-6	5/8	7/32 Drill Hole	6	152
EX-758-9	5/8	7/32 Drill Hole	9	229

Extensions

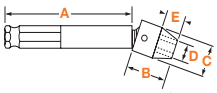
Threaded Screw Shank

Part Number	Male Square In.	Male Thread In.	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
TH-256	1/4	1/4-28	1 5/8	41	7/16	11
TH-376	3/8	1/4-28	1 5/8	41	1/2	13
TH-250	1/4	1/4-24	1 5/8	41	7/16	11
TH-370	3/8	1/4-24	1 3/4	45	1/2	13
TH-372	3/8	1/4-20	1 3/4	45	1/2	13

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4" Male Hex Universal Wrenches

SAE 6 Point, Standard & Tension Type – Extension



Standard Type

Tension Type

Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Clearance Diameter (D) In.	Nose End Clearance Depth (E) In.
KC-25-3•	-	1/4	3	3/4	5/8	3/8	3/8
KC-25-4	-	1/4	4	3/4	5/8	3/8	3/8
KC-25-6•	KS-25-6•	1/4	6	3/4	5/8	3/8	3/8
KC-25-9•	-	1/4	9	3/4	5/8	3/8	3/8
KC-25-12	-	1/4	12	3/4	5/8	3/8	3/8
KC-26-3•	-	5/16	3	3/4	5/8	7/16	3/8
KC-26-6•	KS-26-6•	5/16	6	3/4	5/8	7/16	3/8
KC-26-9•	-	5/16	9	3/4	5/8	7/16	3/8
KC-26-12	KS-26-12	5/16	12	3/4	5/8	7/16	3/8
-	KS-100-6	5/16	6	3/4	3/4	7/16	5/16
KC-27-3	-	11/32	3	3/4	5/8	1/2	3/8
KC-27-6	-	11/32	6	3/4	5/8	1/2	3/8
KC-101-6	-	11/32	6	3/4	3/4	15/32	5/16
KC-28-3•	-	3/8	3	13/16	5/8	9/16	7/16
KC-28-6•	KS-28-6•	3/8	6	13/16	5/8	9/16	7/16
-	KS-28-12	3/8	12	13/16	5/8	9/16	7/16
-	KS-102-6	3/8	6	13/16	3/4	9/16	3/8
KC-29-3•	-	7/16	3	7/8	5/8	5/8	1/2
KC-29-6•	KS-29-6•	7/16	6	7/8	5/8	5/8	1/2
KC-30-3•	-	1/2	3	7/8	11/16	11/16	1/2
KC-30-4	-	1/2	4	7/8	11/16	11/16	1/2
KC-30-6•	KS-30-6•	1/2	6	7/8	11/16	11/16	1/2
KC-30-9•	-	1/2	9	7/8	11/16	11/16	1/2
-	KS-104-6	1/2	6	1	3/4	3/4	9/16
KC-105-6•	KS-105-6•	9/16	6	1	13/16	13/16	9/16
-	KS-105-9	9/16	9	1	13/16	13/16	9/16

Metric 6 Point, Standard & Tension Type – Extension

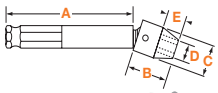
Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Clearance Diameter (D) mm	Nose End Clearance Depth (E) mm
KC-5-7m-4	-	7	102	19.1	15.9	10.3	9.5
KC-5-7m-6	KS-5-7m-6	7	152	19.1	15.9	10.3	9.5
-	KS-5-7m-9	7	229	19.1	15.9	10.3	9.5
KC-6-8m-3	-	8	76	19.1	19.1	11.1	7.9
KC-6-8m-4	-	8	102	19.1	19.1	11.1	7.9
KC-6-8m-6	KS-6-8m-6•	8	152	19.1	19.1	11.1	7.9
-	KS-6-8m-9	8	229	19.1	19.1	11.1	7.9
KC-6-9m-6	-	9	152	19.1	19.1	12.7	7.9
KC-6-10m-3•	-	10	76	20.6	19.1	15.1	9.5
KC-6-10m-4	-	10	102	20.6	19.1	15.1	9.5
KC-6-10m-6•	KS-6-10m-6•	10	152	20.6	19.1	15.1	9.5
KC-6-10m-9	KS-6-10m-9	10	229	20.6	191.	15.1	9.5
KC-6-10m-12	-	10	305	20.6	19.1	15.1	9.5
KC-7-11m-6	KS-7-11m-6	11	152	23.8	22.2	15.9	10.3
KC-7-12m-3	-	12	76	23.8	22.2	17.5	10.3
KC-7-12m-6	-	12	152	23.8	22.2	17.5	10.3
KC-7-12m-9	-	12	229	23.8	22.2	17.5	10.3
KC-7-13m-3	-	13	76	25.4	22.2	17.5	11.9
KC-7-13m-6	KS-7-13m-6•	13	152	25.4	22.2	17.5	11.9
KC-7-13m-9	KS-7-13m-9	13	229	25.4	22.2	17.5	11.9

Actual design of universal wrenches may not be exactly like pictures above.

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

7/16" Male Hex Universal Wrenches

SAE 6 Point, Standard & Tension Type – Extension



Standard Type

Tension Type

Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Clearance Diameter (D) In.	Nose End Clearance Depth (E) In.
KB-43-6	-	3/8	6	13/16	5/8	7/32	7/16
-	KT-44-6	7/16	6	7/8	5/8	5/8	1/2
KB-45-3	-	1/2	3	7/8	11/16	11/16	1/2
KB-45-4	-	1/2	4	7/8	11/16	11/16	1/2
KB-104-6•	KT-104-6•	1/2	6	1	3/4	3/4	9/16
KB-202-6	KT-202-6	1/2	6	1	7/8	11/16	15/32
-	KT-202-9	1/2	9	1	7/8	11/16	15/32
KB-202-12	KT-202-12	1/2	12	1	7/8	11/16	15/32
KB-317-9	KT-317-9	1/2	9	1	1	11/16	7/16
KB-105-3•	-	9/16	3	1	13/16	13/16	9/16
-	KT-105-6•	9/16	6	1	13/16	13/16	9/16
-	KT-105-9	9/16	9	1	13/16	13/16	9/16
-	KT-105-12	9/16	12	1	13/16	13/16	9/16
-	KT-203-6	9/16	6	1 1/16	7/8	3/4	17/32
KB-203-9	KT-203-9	9/16	9	1 1/16	7/8	3/4	17/32
KB-203-12	KT-203-12	9/16	12	1 1/16	7/8	3/4	17/32
-	KT-318-6	9/16	6	1 1/8	1	3/4	9/16
KB-318-12	-	9/16	12	1 1/8	1	3/4	9/16
KB-205-6•	KT-205-6•	5/8	6	1 1/8	7/8	7/8	19/32
KB-205-12	KT-205-12	5/8	12	1 1/8	7/8	7/8	19/32
KB-320-6	KT-320-6	5/8	6	1 3/16	1	27/32	5/8
-	KT-320-9	5/8	9	1 3/16	1	27/32	5/8
-	KT-320-12	5/8	12	1 3/16	1	27/32	5/8
KB-321-6	-	11/16	6	1 1/4	1	1	11/16
KB-322-3	-	3/4	3	1 1/4	1 1/8	1 1/8	11/16
KB-322-6•	KT-322-6•	3/4	6	1 1/4	1 1/8	1 1/8	11/16
-	KT-322-9	3/4	9	1 1/4	1 1/8	1 1/8	11/16

Metric 6 Point, Standard & Tension Type – Extension

Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Clearance Diameter (D) mm	Nose End Clearance Depth (E) mm
KB-6-10m-6•	KT-6-10m-6•	10	152	20.6	19.1	15.1	9.5
-	KT-6-10m-9	10	229	20.6	19.1	15.1	9.5
-	KT-6-10m-12	10	305	20.6	19.1	15.1	9.5
KB-7-11m-6	-	11	152	23.8	22.2	15.9	10.3
KB-7-13m-3	-	13	76	25.4	22.2	17.5	11.9
KB-7-13m-6•	KT-7-13m-6•	13	152	25.4	22.2	17.5	11.9
KB-7-13m-9	KT-7-13m-9•	13	229	25.4	22.2	17.5	11.9
KB-7-13m-12•	-	13	305	25.4	22.2	17.5	11.9
KB-7-14m-6•	KT-7-14m-6•	14	152	27.0	22.2	19.1	13.5
-	KT-7-14m-12•	14	305	27.0	22.2	19.1	14.3
-	KT-7-15m-6	15	152	27.0	22.2	19.1	14.3
KB-8-15m-6•	KT-8-15m-6•	15	152	28.6	25.4	19.8	14.3
KB-8-15m-9	KT-8-15m-9	15	229	28.6	25.4	19.8	14.3
KB-8-15m-12	KT-8-15m-12	15	305	28.6	25.4	19.8	14.3
KB-8-16m-6•	KT-8-16m-6•	16	152	30.2	25.4	21.4	15.9
KB-8-16m-9	KT-8-16m-9	16	229	30.2	25.4	21.4	15.9
-	KT-8-16m-12	16	305	30.2	25.4	21.4	15.9
-	KT-8-17m-6•	17	152	31.8	25.4	25.4	17.5
KB-8-17m-12	KT-8-13m-12	17	305	31.8	25.4	25.4	17.5
KB-8-18m-6•	KT-8-18m-6•	18	152	31.8	25.4	25.4	17.5
-	KT-8-18m-9	18	229	31.8	25.	25.4	17.5
-	KT-8-18m-12	18	305	31.8	25.4	25.4	17.5
KB-10-19m-6	KT-10-19m-6	19	152	34.9	31.8	26.2	16.3

Actual design of universal wrenches may not be exactly like pictures above.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

APEX® Solutions

When can I use a universal adapter?

A universal adapter gives all of your sockets the versatility of a universal wrench. Universal adapters must not be used with impact drivers.

(See page 39.)

Does Apex offer bolt clearance nutsetters?

Bolt clearance nutsetters allow the bolt or stud to recess into the nutsetter body as the nut is driven down. Bolt clearance nutsetters are prefixed with the numbers 6B-.

(See page 28.)

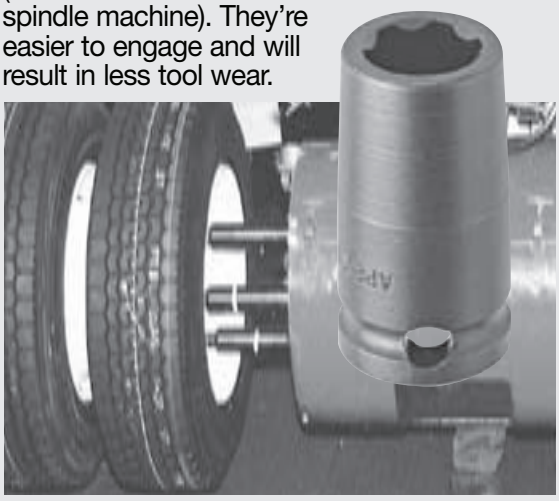
Does Apex offer Torx® sockets?

Like Torx® screws, Torx® bolts are becoming commonplace in a variety of assembly applications. Apex offers a wide variety of Torx® sockets.

(See page 39.)

What is the advantage of surface drive sockets?

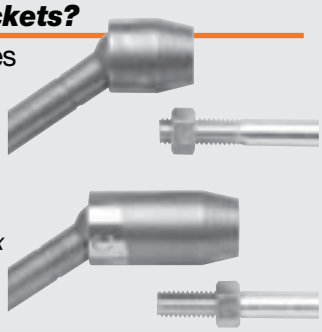
Use surface drive sockets if tools are still running when they engage the fasteners (such as on this multi-spindle machine). They're easier to engage and will result in less tool wear.



Does Apex offer universal wrenches with longer sockets?

Universal wrenches are available with a longer socket to allow a stud to recess into the socket opening.

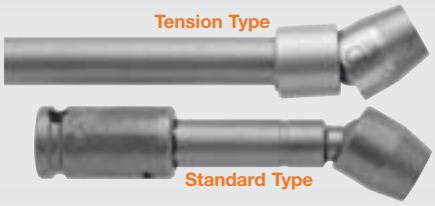
(*Check with your Apex representative for details.*)



If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

What is the benefit of a tension sleeve?

A universal wrench with a tension sleeve holds the socket at the desired driving angle while aligning the tool and fastener. Other universal wrench sockets can "flop" making engagement difficult.



What types of magnetic sockets does Apex offer?

In addition to a fixed magnet socket (center), Apex offers spring-loaded (left) and cylindrical (right) magnet styles that allow the bolt to recess into the socket body as the nut is driven down. Fixed magnet sockets are designated by a M- part number prefix, spring-loaded by MB- prefix and cylindrical by a SM- prefix.

Does Apex offer thin wall sockets?

Thin wall sockets accommodate countersunk or limited clearance nut or bolt locations. Many of these sockets have a shouldered body design that can fit in tight quarters.

Does Apex offer a complete line of extensions?

Apex features a wide selection of extension lengths, styles and sizes.

(See the Table of Contents for a complete listing.)

Does Apex offer mar resistant bits and sockets?

Apex can nylon coat just about any of our bits or sockets. Nylon offers excellent mar resistance for assemblies that have painted, varnished or chromed surfaces. Nylon also offers some safety benefits by covering tool junctions.

(See pages 68-76 for more information)

Can I use my extensions, adapters and universals with impact drivers?

Quality design and construction give Apex universal wrenches a long service life and durability. Remember, universal wrenches, extensions and adapters are not to be used with impact drivers.

In this section...

Impact Sockets

Apex industrial grade impact sockets are available in a wide range of lengths and wall thicknesses, and with single or double hex openings. Square openings are available in select sizes.

Fixed Magnetic Impact Sockets

Magnetic sockets hold the fastener in driving position, even when working straight down. Time-wasting motions are eliminated when starting fasteners or working in hard-to-reach areas. These sockets are identified with a M- prefix.

Magnetic Bolt Clearance Impact Sockets

As the nut is run down, a spring-loaded or hollow cylinder magnet allows the bolt or stud to retract into the socket body. Nuts are held firmly in the socket. These sockets are identified with a MB- prefix.

Surface Drive Sockets

Large openings on the six corners of the opening create a “floating” action that allows the socket to slip quickly and easily onto the nut or bolt. Ideal for compensating for imperfect alignment between the tool and fastener. Not generally recommended for impact use. These sockets are identified with a SF- prefix.

Fast Lead Impact Sockets

Designed for power tool and multiple spindle power tools, a specially tapered opening provides complete engagement with the nut almost instantly upon engagement. This speeds productivity and extends tool life. Engagement is possible without starting and stopping the tool for each nut. These sockets are identified with a FL- prefix.

Special Sockets

You’ll find Spline, Torx®, tap holding, Budd Wheel, grease fitting and other sockets for special applications.

Extensions and Adapters

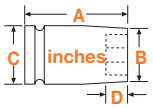
Apex provides the accessories needed to adapt sockets to nearly every tool and application.

Square Drive Universal Wrenches

Hard-to-reach areas are no problem with Apex’s wide range of universal and extension universal wrenches.

1/4” Square Drive Sockets, SAE

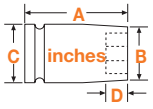
Standard Length, 6 Point and Double Hex



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
1105	-	5/32	7/8	1/4	1/2	3/32
1106•	1106-D	3/16	7/8	5/16	1/2	3/32
1107•	1107-D•	7/32	7/8	3/8	1/2	5/32
1108•	1108-D•	1/4	7/8	3/8	1/2	5/32
X-1108*•	-	1/4	7/8	3/8	1/2	5/32
1109•	1109-D	9/32	1	7/16	1/2	3/16
1110•	1110-D•	5/16	1	1/2	1/2	3/16
X-1110*	-	5/16	1	1/2	1/2	3/16
HA-510•	-	5/16	7/8	7/16	7/16	3/16
1111•	1111-D	11/32	1	1/2	1/2	3/16
1112•	1112-D•	3/8	1	9/16	9/16	1/4
1113•	-	13/32	1	5/8	5/8	1/4
1114•	1114-D•	7/16	1	5/8	5/8	9/32
1116•	1116-D	1/2	1	11/16	11/16	11/32
1118•	-	9/16	1	13/16	13/16	7/16
1120•	-	5/8	1	7/8	7/8	7/16

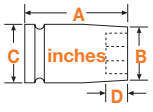
** Parts have a harder heat treat.*

Long Length, 6 Point and Double Hex



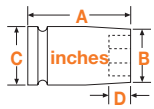
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
1206•	1206-D	3/16	1 3/4	5/16	1/2	3/32
1207	-	7/32	1 3/4	3/8	1/2	5/32
1208•	1208-D•	1/4	1 3/4	3/8	1/2	5/32
1209	1209-D	9/32	1 3/4	7/16	1/2	3/16
1210•	1210-D•	5/16	1 3/4	1/2	1/2	3/16
1211•	-	11/32	1 3/4	1/2	1/2	3/16
1212•	1212-D	3/8	1 3/4	9/16	9/16	1/4
1213	-	13/32	1 3/4	5/8	5/8	1/4
1214•	-	7/16	1 3/4	5/8	5/8	9/32
1216•	1216-D	1/2	1 3/4	11/16	11/16	11/32
1218•	-	9/16	1 3/4	13/16	13/16	7/16

Extra Long Length, 6 Point and Double Hex



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
1308•	1308-D	1/4	3	3/8	1/2	5/32
1310•	-	5/16	3	1/2	1/2	3/16
1311	1311-D	11/32	3	1/2	1/2	3/16
1312•	-	3/8	3	9/16	9/16	1/4
1313	-	13/32	3	9/16	9/16	1/4
1314	-	7/16	3	5/8	5/8	9/32
1316	-	1/2	3	11/16	11/16	11/32
1318	-	9/16	3	13/16	13/16	7/16
1320	-	5/8	3	7/8	7/8	7/16

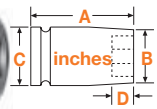
Magnetic, Standard Length, 6 Point



Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-1105	5/32	7/8	5/16	1/2	3/32
M-1106•	3/16	7/8	5/16	1/2	3/32
M-1107•	7/32	7/8	3/8	1/2	5/32
MX-1108*•	1/4	7/8	3/8	1/2	5/32
M-1108-E*•	1/4	7/8	3/8	1/2	5/32
MX-1109*•	9/32	1	7/16	1/2	3/16
MHA-510•	5/16	7/8	7/16	7/16	1/8
M-1110•	5/16	1	1/2	1/2	3/16
MX-1110*•	5/16	1	1/2	1/2	3/16
MX-1111	11/32	1	1/2	1/2	3/16
M-1112•	3/8	1	9/16	9/16	1/4
MX-1112*•	3/8	1	9/16	9/16	1/4
M-1114•	7/16	1	5/8	5/8	9/32
M-1116•	1/2	1	11/16	11/16	11/32
M-1118•	9/16	1	11/16	11/16	11/32

**Parts have a harder heat treat; MX-1108-E has no lead-in chamfer.*

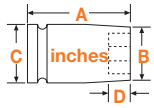
Magnetic, Long & Extra Long Length, 6 Point



Part No. Fixed Magnet	Part No. Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-1206	3/16	1 3/4	5/16	1/2	5/32
M-1208•	MB-1208•	1/4	1 3/4	3/8	1/2	5/32
-	MB-1308	1/4	3	3/8	1/2	5/32
M-1209	MB-1209	9/32	1 3/4	7/16	1/2	3/16
M-1210•	MB-1210•	5/16	1 3/4	1/2	1/2	3/16
-	MB-1211•	11/32	1 3/4	1/2	1/2	3/16
-	MB-1311•	11/32	3	1/2	1/2	3/16
M-1212•	MB-1212•	3/8	1 3/4	9/16	9/16	1/4
-	MB-1312	3/8	3	9/16	9/16	1/4
M-1214•	MB-1214•	7/16	1 3/4	5/8	5/8	9/32
-	MB-1314	7/16	3	5/8	5/8	9/32
-	MB-1216•	1/2	1 3/4	11/16	11/16	11/32
-	MB-1218•	9/16	1 3/4	13/16	13/16	7/16

** For explanation of magnets, see Tool Tip on page 33.*

Surface Drive & Fast Lead, Standard & Long Length

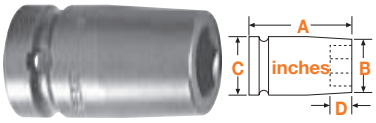


Part No. Surface Drive	Part No. Number Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	FL-1108•	1/4	7/8	3/8	1/2	5/32
-	FL-1109	9/32	7/8	3/8	1/2	5/32
-	FL-1110•	5/16	1	1/2	1/2	3/16
SF-1112•	FL-1112•	3/8	1	9/16	9/16	1/4
-	FL-1212•	3/8	1 3/4	9/16	9/16	1/4
-	FL-1114	7/16	1	5/8	5/8	9/32
-	FL-1214	7/16	1 3/4	5/8	5/8	9/32
SF-1116	FL-1116•	1/2	1	11/16	11/16	11/32
-	FL-1216	1/2	1 3/4	11/16	11/16	11/32

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4” Sq. Dr. Sockets For SAE Sheet Metal Screws

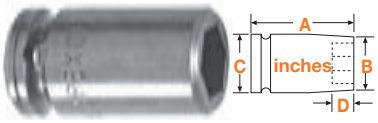
6 Point & 6 Point Magnetic, For Predrilled Holes*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M1E06•	3/16	7/8	5/16	1/2	3/32
-	M1E07	7/32	7/8	3/8	1/2	5/32
1E08	M1E08•	1/4	7/8	3/8	1/2	5/32
1E10	M1E10•	5/16	7/8	1/2	1/2	3/16
-	M1E11•	11/32	1	1/2	1/2	3/16
-	M1E12•	3/8	1	5/8	5/8	1/4
-	M1E14•	7/16	1	11/16	11/16	9/32
-	M1E16•	1/2	1	11/16	11/16	11/32

**Sockets for predrilled holes are intermediate hardness; sockets for self-drilling and tapping screws are maximum hardness.*

6 Point & 6 Point Magnetic, for Self-Drilling and Tapping Screws*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
1P06	M1P06•	3/16	7/8	5/16	1/2	3/32
1P07	M1P07	7/32	7/8	3/8	1/2	5/32
1P08•	M1P08•	1/4	7/8	7/16	1/2	5/32
-	M1P09	9/32	7/8	1/2	1/2	3/16
1P10•	M1P10•	5/16	7/8	1/2	1/2	3/16
1P11	M1P11•	11/32	1	1/2	1/2	3/16
1P12•	M1P12•	3/8	1	5/8	5/8	1/4
1P14•	M1P14•	7/16	1	11/16	11/16	9/32
1P16	M1P16•	1/2	1	11/16	11/16	11/32

**Sockets for predrilled holes are intermediate hardness; sockets for self-drilling and tapping screws are maximum hardness.*

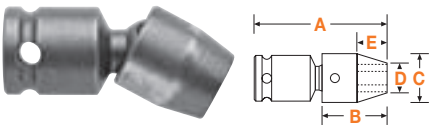
1/4” Sq. Dr. Sockets For SAE Square Nuts

Single Square & Double Square

Part Number Square	Part No. Double Square	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
1608•	1608-D	1/4	1	1/2	1/2	3/16
1612	1612-D	3/8	1	3/4	3/4	1/4

1/4” Square Drive Universal Wrenches, SAE

6 Point and Double Hex



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Socket Length (B)	Socket Diameter (C)	Nose End Diameter (D)	Clearance Depth (E)
SA-25	SA-25-D	1/4	1 7/32	3/4	5/8	3/8	3/8
SA-26•	SA-26-D•	5/16	1 17/32	3/4	5/8	7/16	3/8
SA-28•	SA-28-D	3/8	1 19/32	13/16	5/8	17/32	7/16
SA-29•	SA-29-D	7/16	1 21/32	7/8	5/8	5/8	1/2
SA-30•	SA-30-D	1/2	1 21/32	7/8	11/16	11/16	1/2
SA-65	-	9/16	1 21/32	7/8	11/16	11/16	1/2

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4” Square Drive Sockets, Metric

Standard Length, 6 Point and Double Hex

Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3.5mm11	-	3.5	22.2	6.4	12.7	2.4
4mm11•	-	4	22.2	6.4	12.7	2.4
4.5mm11	-	4.5	22.2	7.9	12.7	2.4
5mm11•	-	5	22.2	8.7	12.7	3.9
5.5mm11•	-	5.5	22.2	9.5	12.7	3.9
6mm11•	6mm11-D	6	22.2	9.5	12.7	3.9
7mm11•	7mm11-D•	7	22.2	11.1	12.7	4.8
8mm11•	8mm11-D•	8	25.4	12.7	12.7	4.8
9mm11•	9mm11-D	9	25.4	14.3	14.3	4.8
10mm11•	10mm11-D•	10	25.4	15.9	15.9	6.4
OS-10mm11•	-	10	25.4	14.3	14.3	6.4
11mm11•	11mm11-D	11	25.4	15.9	15.9	7.2
12mm11•	12mm11-D	12	25.4	17.5	17.5	7.2
13mm11•	13mm11-D	13	25.4	19.1	19.1	8.7
14mm11•	14mm11-D	14	25.4	20.6	20.6	11.1
15mm11•	-	15	25.4	22.2	22.2	11.1
16mm11•	-	16	25.4	22.2	22.2	11.1

Long Length, 6 Point and Double Hex

Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5mm21•	-	5	44.4	8.7	12.7	3.9
5.5mm21•	-	5.5	44.4	9.5	12.7	3.9
6mm21	-	6	44.4	9.5	12.7	3.9
7mm21•	-	7	44.4	11.1	12.7	4.8
8mm21•	8mm21-D•	8	44.4	12.7	12.7	4.8
9mm21•	9mm21-D	9	44.4	14.3	14.3	4.8
10mm21•	10mm21-D•	10	44.4	15.9	15.9	6.4
11mm21•	-	11	44.4	15.9	15.9	7.2
12mm21•	-	12	44.4	17.5	17.5	7.2
13mm21•	13mm21-D	13	44.4	19.1	19.1	8.7
14mm21•	-	14	44.4	20.6	20.6	11.1
15mm21	15mm21-D	15	50.8	22.2	22.2	11.1
16mm21	-	16	50.8	22.2	22.2	11.1

Magnetic, Standard Length, 6 Point

Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-5mm11•	5	22.2	8.7	12.7	3.9
M-5.5mm11•	5.5	22.2	9.5	12.7	3.9
M-6mm11•	6	22.2	9.5	12.7	3.9
M-7mm11•	7	22.2	11.9	12.7	4.8
M-8mm11•	8	25.4	12.7	12.7	4.8
M-9mm11•	9	25.4	14.3	14.3	4.8
M-10mm11•	10	25.4	15.9	15.9	6.4
M-11mm11•	11	25.4	15.9	15.9	7.2
M-12mm11•	12	25.4	17.5	17.5	7.2
M-13mm11•	13	25.4	19.1	19.1	8.7
M-14mm11	14	25.4	20.6	20.6	11.1
M-15mm11•	15	25.4	22.2	22.2	11.1

Magnetic, Long Length, 6 Point

Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-5mm21	5	44.4	8.7	12.7	3.9
-	MB-5.5mm21•	5.5	44.4	9.5	12.7	3.9
M-6mm21	MB-6mm21•	6	44.4	9.5	12.7	3.9
M-7mm21•	MB-7mm21•	7	44.4	11.9	12.7	4.8
M-8mm21•	MB-8mm21•	8	44.4	12.7	12.7	4.8
M-9mm21•	MB-9mm21•	9	44.4	14.3	14.3	4.8
M-10mm21•	MB-10mm21•	10	44.4	15.9	15.9	6.4
-	**OSMB-10mm21•	10	44.4	14.2	14.2	6.4
M-11mm21•	MB-11mm21•	11	44.4	15.9	15.9	7.2
M-12mm21	MB-12mm21•	12	44.4	17.5	17.5	7.2
M-13mm21•	MB-13mm21•	13	44.4	19.1	19.1	8.7
-	MB-14mm21	14	44.4	20.6	20.6	11.1
-	MB-15mm21	15	50.8	22.2	22.2	11.1
-	MB-16mm21	16	50.8	22.2	22.2	11.1

** For an explanation of magnets, see Tool Tip on page 33.*
*** No ring groove.*

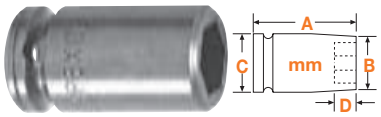
Surface Drive, Standard and Long Length

Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-8mm11•	8	25.4	12.7	12.7	4.7
SF-10mm11•	10	25.4	15.9	15.9	6.4
SF-10mm21•	10	44.4	15.9	15.9	6.4
SF-12mm21	11	44.4	17.5	15.9	7.2
SF-13mm11	13	25.4	19.1	19.1	8.7
SF-13mm21	13	44.4	19.1	19.1	8.7
SF-15mm11	15	25.4	22.2	22.2	11.1

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/4” Sq. Dr. Sockets For Metric Sheet Metal Screws

6 Point and 6 Point Magnetic

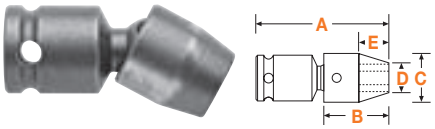


Part Number 6 Point	Part Number Magnetic	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3.5mmE1	-	3.5	22.2	6.4	12.7	2.4
4mmE1	M-4mmE1•	4	22.2	6.4	12.7	2.4
-	M-5mmE1•	5	22.2	8.7	12.7	3.9
5.5mmE1	M-5.5mmE1•	5.5	22.2	9.5	12.7	3.9
6mmE1	M-6mmE1•	6	22.2	9.5	12.7	3.9
7mmE1•	M-7mmE1•	7	22.2	11.1	12.7	4.8
-	MR-7mmE1*•	7	22.2	11.1	12.7	4.8
8mmE1•	M-8mmE1•	8	25.4	12.7	12.7	4.8
9mmE1	M-9mmE1•	9	25.4	14.3	14.3	4.8
10mmE1•	M-10mmE1•	10	25.4	15.9	15.9	6.4
11mmE1	M-11mmE1•	11	25.4	17.5	17.5	7.2
12mmE1	M-12mmE1•	12	25.4	17.5	17.5	7.2
13mmE1•	M-13mmE1•	13	25.4	19.1	19.1	8.7

**MR-7mmE1 has stronger magnet*

1/4” Sq. Dr. Universal Wrenches, Metric

6 Point

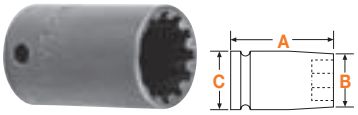


Part Number 6 Point	Hex Opening mm	Overall Length (A)	Socket Length (B)	Socket Diameter (C)	Nose End Diameter (D)	Opening Depth (E)
SA-15-6M	6	31	19.1	15.9	9.5	9.5
SA-15-7M	7	31	19.1	15.9	10.3	9.5
SA-16-8M•	8	38	19.1	19.1	11.1	7.9
SA-16-10M•	10	40	20.6	19.1	15.1	9.5

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

1/4” Sq. Dr. Sockets For Spline Fasteners

Standard and Long Length



Part Number	Spline Size	Nominal Size	Overall Length (A) In.	Overall Length (A) mm	Diameter Nose End (B) In.	Diameter Nose End (B) mm	Diameter Drive End (C) In.	Diameter Drive End (C) mm
CMS-1507	7	7/32	2	51	21/64	8	7/16	11
CMS-1408	8	1/4	7/8	22	3/8	10	7/16	11
CMS-1508	8	1/4	2	51	3/8	10	7/16	11
CMS-1409	9	9/32	7/8	22	7/16	11	7/16	11
CMS-1509	9	9/32	2	51	7/16	11	7/16	11
CMS-1410•	10	5/16	7/8	22	29/64	12	29/64	12
CMS-1510	10	5/16	2	51	29/64	12	29/64	12
CMS-1412•	12	3/8	7/8	22	17/32	14	17/32	14
CMS-1414	14	7/16	1	25	39/64	16	39/64	16

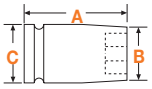
Apex spline sockets conform to military specifications MS-37787 and MIL-W-8982C.

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture “specials” to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

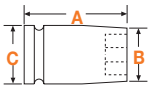
1/4” Sq. Dr. Torx® Sockets

For External Torx Screws



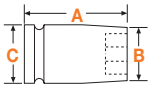
Part Number	Driver Size	Overall Length (A) In.	Overall Length (A) mm	Nose End Diameter (B) In.	Nose End Diameter (B) mm	Drive End Diameter (C) In.	Drive End Diameter (C) mm
TX-1104•	E-4	1	25.4	1/4	6.4	1/2	12.7
TX-1105•	E-5	1	25.4	1/4	6.4	1/2	12.7
TX-1106	E-6	1	25.4	5/16	7.9	1/2	12.7
TX-1108•	E-8	1	25.4	3/8	9.5	1/2	12.7
TX-1110•	E-10	1	25.4	9/16	14.3	9/16	14.3
TX-1112•	E-12	1	25.4	5/8	15.9	5/8	15.9

For External Torx Screws, Thin Wall



Part Number	Driver Size	Overall Length (A) In.	Overall Length (A) mm	Nose End Diameter (B) In.	Nose End Diameter (B) mm	Drive End Diameter (C) In.	Drive End Diameter (C) mm
TX-1404•	E-4	1	25.4	1/4	6.4	1/2	12.7
TX-1405•	E-5	1	25.4	1/4	6.4	1/2	12.7
TX-1406•	E-6	1	25.4	5/16	7.9	1/2	12.7
TX-1407•	E-7	1	25.4	5/16	7.9	1/2	12.7
TX-1408•	E-8	1	25.4	3/8	9.5	1/2	12.7
TX-1410•	E-10	1	25.4	1/2	12.7	1/2	12.7
TX-1411	E-11	1	25.4	1/2	12.7	1/2	12.7
TX-1412•	E-12	1	25.4	9/16	14.3	9/16	14.3

For Torx Nuts



Part Number	Driver Size	Overall Length (A) In.	Overall Length (A) mm	Nose End Diameter (B) In.	Nose End Diameter (B) mm	Drive End Diameter (C) In.	Drive End Diameter (C) mm
TX-1E05•	E-5	7/8	22.2	3/8	9.5	1/2	12.7
TX-1E06	E-6	7/8	22.2	7/16	11.1	1/2	12.7
TX-1E08	E-8	7/8	22.2	1/2	12.7	1/2	12.7

Sockets for Torx® nuts have a larger lead-in chamfer than sockets for external Torx® screws. Most Torx® sockets have a DIN (pin and o-ring) groove.

1/4” Sq. Dr. Extensions

7/8” to 14” (22mm to 356mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-252•	1/4	Pin	7/8	22
EX-252-B	1/4	Ball	1	25
EX-255-2•	1/4	Pin	2	51
EX-255-B-2•	1/4	Ball	2	51
EX-255-3•	1/4	Pin	3	76
EX-255-4•	1/4	Pin	4	102
EX-255-B-4•	1/4	Ball	4	102
EX-255-6•	1/4	Pin	6	152
EX-255-B-6•	1/4	Ball	6	152
EX-255-8•	1/4	Pin	8	203
EX-255-10•	1/4	Pin	10	254
EX-255-12•	1/4	Pin	12	305
EX-255-14•	1/4	Pin	14	356

1/4” Sq. Dr. Adapters

1/4” to 3/8” Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-372•	3/8	1/4	Pin	1	25
EX-372-B•	3/8	1/4	Ball	1	25

1/4” Sq. Dr. Universal Adapters

Male Square to Female Square

Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
MF-25•	1/4	1/4	Pin	1 5/8	41	5/8	16
MF-25-B	1/4	1/4	Ball	1 5/8	41	5/8	16

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8” Square Drive Sockets, SAE

6 Point & Double Hex, Short and Standard Length

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3108•	3108-D•	1/4	1 1/4	7/16	3/4	5/32
3109	-	9/32	1 1/4	7/16	3/4	3/16
3010•	-	5/16	7/8	1/2	3/4	3/16
3110•	3110-D•	5/16	1 1/4	1/2	3/4	3/16
3111•	-	11/32	1 1/4	1/2	3/4	3/16
3012•	3012-D•	3/8	7/8	19/32	3/4	3/16
3112•	3112-D•	3/8	1 1/4	19/32	3/4	1/4
3113	3113-D	13/32	1 1/2	11/16	3/4	1/4
3014•	3014-D•	7/16	7/8	11/16	3/4	9/32
3114•	3114-D•	7/16	1 1/2	11/16	3/4	9/32
SW-604•	-	7/16	1 1/2	21/32	3/4	9/32
3016•	3016-D•	1/2	7/8	13/16	13/16	5/16
3116•	3116-D•	1/2	1 1/2	13/16	13/16	11/32
HC-3816•	-	1/2	1 1/2	11/16	11/16	11/32
3117	-	17/32	1 1/2	13/16	13/16	11/32
3018•	3018-D•	9/16	7/8	7/8	7/8	5/16
3118•	-	9/16	1 1/2	7/8	7/8	7/16
SW-343	-	9/16	1 1/2	3/4	3/4	7/16
SW-605	SW-605-D	9/16	1 1/2	3/4	13/16	7/16
3119•	-	19/32	1 1/2	7/8	7/8	7/16
3020•	3020-D	5/8	1	15/16	15/16	7/16
3120•	3120-D•	5/8	1 1/2	15/16	15/16	7/16
HC-3520*	-	5/8	2 3/8	7/8	7/8	7/32
3022	3022-D	11/16	1	1	1	7/16
3122•	-	11/16	1 1/2	1	1	7/16
3024•	3024-D	3/4	1	1 1/16	1 1/16	7/16
3124•	3124-D	3/4	1 1/2	1 1/16	1 1/16	15/32
3126	-	13/16	1 1/2	1 1/8	1 1/8	7/16
3028•	3028-D	7/8	1	1 1/4	1 1/4	7/16

**HC-3520 is spark plug socket.*

6 Point & Double Hex, Thin Wall, Standard Length

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3408•	3408-D	1/4	1 1/4	7/16	3/4	5/32
3409	-	9/32	1 1/4	7/16	3/4	3/16
3410•	3410-D•	5/16	1 1/4	1/2	3/4	3/16
OS-3410*•	-	5/16	1 1/4	7/16	19/32	3/16
3412•	3412-D•	3/8	1 1/2	19/32	3/4	1/4
3414•	3414-D•	7/16	1 1/2	5/8	3/4	9/32
3416•	3416-D•	1/2	1 1/2	3/4	3/4	11/32
3418•	3418-D•	9/16	1 1/2	25/32	13/16	7/16
3420•	3420-D•	5/8	1 1/2	7/8	7/8	7/16
3424•	3424-D	3/4	1 1/2	1	1	15/32
3426	-	13/16	1 1/2	1 1/8	1 1/8	17/32
3428•	-	7/8	1 1/2	1 3/16	1 1/4	9/16
3430•	3430-D	15/16	1 1/2	1 5/16	1 5/16	5/8
3432	-	1	1 1/2	1 3/8	1 3/8	5/8
3434•	-	1 1/16	1 1/2	1 1/2	1 1/2	11/16

**No ring groove.*

6 Point & Double Hex, Long and Extra Long Length

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3208•	3208-D	1/4	2	7/16	3/4	5/32
3308	-	1/4	3 1/2	7/16	3/4	5/32
3209	-	9/32	2	7/16	3/4	3/16
3210•	3210-D•	5/16	2	1/2	3/4	3/16
3310•	3310-D•	5/16	3 1/2	1/2	3/4	3/16
OS-3310-D*	-	5/16	3 1/2	15/32	5/8	3/16
3211	-	11/32	2	1/2	3/4	3/16
3311	-	11/32	3 1/2	1/2	3/4	3/16
3212•	3212-D•	3/8	2	19/32	3/4	1/4
3312•	3312-D	3/8	3 1/2	19/32	3/4	1/4
3214•	3214-D	7/16	2	11/16	3/4	9/32
3314•	3314-D•	7/16	3 1/2	11/16	3/4	9/32
3216•	3216-D•	1/2	2	13/16	13/16	11/32
3316•	3316-D•	1/2	3 1/2	13/16	13/16	11/32
3218•	3218-D•	9/16	2	7/8	7/8	7/16
3318•	3318-D•	9/16	3 1/2	7/8	7/8	7/16
3220•	3220-D•	5/8	2	15/16	15/16	7/16
3320•	3320-D	5/8	3 1/2	15/16	15/16	7/16
3222•	3222-D	11/16	2	1	1	7/16
3322•	3322-D	11/16	3 1/2	1	1	7/16
3224•	3224-D	3/4	2	1 1/16	1 1/16	15/32
3324•	3324-D	3/4	3 1/2	1 1/16	1 1/16	15/32
3226•	3226-D	13/16	2	1 1/4	1 1/4	17/32
3326	3326-D	13/16	3 1/2	1 1/4	1 1/4	17/32
3228•	3228-D	7/8	2	1 1/4	1 1/4	9/16
3328•	-	7/8	3 1/2	1 1/4	1 1/4	9/16

**No ring groove.*

6 Point & Double Hex, Thin Wall, Long Length

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3510•	-	5/16	2	1/2	3/4	3/16
3511•	-	11/32	2	1/2	3/4	3/16
3512•	3512-D•	3/8	2	19/32	3/4	1/4
3514•	3514-D	7/16	2	5/8	3/4	9/32
3516•	3516-D•	1/2	2	3/4	3/4	11/32
3518•	3518-D•	9/16	2	25/32	13/16	7/16
3524•	3524-D•	3/4	2	1	1	15/32
3530	-	15/16	2	1 5/16	1 5/16	5/8
3532•	-	1	2	1 3/8	1 3/8	5/8
3534	-	1 1/16	2	1 1/2	1 1/2	11/16

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8” Square Drive Sockets, SAE

Magnetic, Short and Standard Length

Part Number Fixed Magnet	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-3108	1/4	1 1/4	7/16	3/4	5/32
M-3109•	9/32	1 1/4	7/16	3/4	3/16
M-3110•	5/16	1 1/4	1/2	3/4	3/16
M-3012•	3/8	7/8	19/32	3/4	3/16
M-3112•	3/8	1 1/4	19/32	3/4	1/4
M-3014	7/16	7/8	11/16	3/4	9/32
M-3114•	7/16	1 1/2	11/16	3/4	9/32
MSW-604	7/16	1 1/2	21/32	3/4	9/32
M-3016•	1/2	7/8	13/16	13/16	5/16
M-3116•	1/2	1 1/2	13/16	13/16	11/32
MHC-3816•	1/2	1 1/2	11/16	11/16	11/32
M-3018	9/16	7/8	7/8	7/8	5/16
M-3118•	9/16	1 1/2	7/8	7/8	7/16
MSW-343	9/16	1 1/2	3/4	3/4	7/16
M-3120	5/8	1 1/2	15/16	15/16	7/16

Magnetic, Thin Wall, Standard Length

Part Number Fixed Magnet	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-3408	1/4	1 1/4	7/16	3/4	5/32
M-3410	5/16	1 1/4	1/2	3/4	3/16
OSM-3410*	5/16	1 1/4	7/16	19/32	3/16
M-3411	11/32	1 1/4	1/2	3/4	3/16
M-3412•	3/8	1 1/2	19/32	3/4	1/4
M-3414•	7/16	1 1/2	5/8	3/4	9/32
OSM-3414*	7/16	1 1/2	5/8	5/8	9/32
M-3416•	1/2	1 1/2	3/4	3/4	11/32
M-3418	9/16	1 1/2	25/32	13/16	7/16
M-3424	3/4	1 1/2	1	1	15/32
M-3426	13/16	1 1/2	1 1/8	1 1/8	17/32

**No ring groove.*

Magnetic, Long Length & Extra Long Length

Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-3210•	5/16	2	1/2	3/4	3/16
M-3212•	MB-3212•	3/8	2	19/32	3/4	1/4
M-3214	MB-3214•	7/16	2	11/16	3/4	9/32
-	MB-3314•	7/16	3 1/2	11/16	3/4	9/32
M-3216•	MB-3216•	1/2	2	13/16	13/16	11/32
M-3218	MB-3218•	9/16	2	7/8	7/8	7/16
-	MB-3318	9/16	3 1/2	7/8	7/8	7/16
-	MB-3220	5/8	2	15/16	15/16	7/16

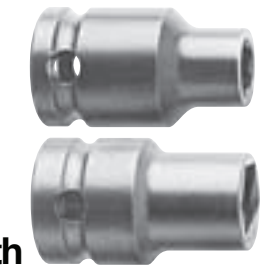
Magnetic, Thin Wall, Long Length

Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-3512•	3/8	2	19/32	3/4	1/4
M-3514	MB-3514•	7/16	2	5/8	3/4	9/32
-	MB-3516	1/2	2	3/4	3/4	11/32

Surface Drive & Fast Lead, Short and Standard Length

Part No. Surface Drive	Part Number Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-3010	-	5/16	7/8	1/2	3/4	3/16
SF-3110	FL-3110	5/16	1 1/4	1/2	3/4	3/16
SF-3012	FL-3012•	3/8	7/8	19/32	3/4	3/16
SF-3112•	FL-3112	3/8	1 1/4	19/32	3/4	1/4
SF-3014	FL-3014•	7/16	7/8	11/16	3/4	9/32
SF-3114	FL-3114	7/16	1 1/2	11/16	3/4	9/32
SF-3016	FL-3016•	1/2	7/8	13/16	13/16	5/16
SF-3116	FL-3116•	1/2	1 1/2	13/16	13/16	11/32
SF-HC-3816	-	1/2	1 1/2	11/16	11/16	11/32
SF-3018	FL-3018	9/16	7/8	7/8	7/8	5/16
SF-3118	FL-3118•	9/16	1 1/2	7/8	7/8	7/16
SF-3120	FL-3120	5/8	1 1/2	15/16	15/16	7/16
-	FL-3022	11/16	1	15/16	15/16	7/16
-	FL-3122	11/16	1 1/2	1	1	7/16
-	FL-3024	3/4	1	1 1/16	1 1/16	7/16
-	FL-3124	3/4	1 1/2	1 1/16	1 1/16	15/32

Surface Drive & Fast Lead, Thin Wall, Standard Length

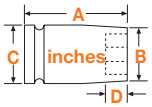


Part No. Surface Drive	Part Number Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-3412	FL-3412	3/8	1 1/2	19/32	3/4	1/4
SF-3414	FL-3414	7/16	1 1/2	5/8	3/4	9/32
SF-3416	-	1/2	1 1/2	3/4	3/4	11/32
SF-3418•	-	9/16	1 1/2	25/32	13/16	7/16
SF-3432	-	1	1 1/2	1 3/8	1 3/8	5/8

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

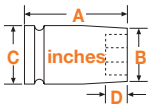
3/8” Sq. Dr. Sockets, SAE

Surface Drive & Fast Lead, Long and Extra Long Length



Part No. Surface Drive	Part Number Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	FL-3210•	5/16	2	1/2	3/4	3/16
SF-3212•	FL-3212•	3/8	2	19/32	3/4	1/4
-	FL-3312	3/8	3 1/2	19/32	3/4	1/4
SF-3214•	FL-3214•	7/16	2	11/16	3/4	9/32
SF-3314	FL-3314	7/16	3 1/2	11/16	3/4	9/32
SF-3216•	FL-3216•	1/2	2	13/16	13/16	11/32
SF-3316	FL-3316	1/2	3 1/2	13/16	13/16	11/32
SF-3218•	FL-3218	9/16	2	7/8	7/8	7/16
SF-3318	FL-3318	9/16	3 1/2	7/8	7/8	7/16
-	FL-3220	5/8	2	15/16	15/16	7/16
SF-3320	FL-3320	5/8	3 1/2	15/16	15/16	7/16
SF-3224	-	3/4	2	1 1/16	1 1/16	15/32
SF-3324	FL-3324	3/4	3 1/2	1 1/16	1 1/16	15/32
-	FL-3326	13/16	3 1/2	1 1/4	1 1/4	17/32

Surface Drive, Thin Wall, Long Length

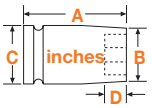


Part No. Surface Drive	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-3512•	3/8	2	19/32	3/4	1/4
OSSF-3512*•	3/8	2	19/32	19/32	1/4
SF-3514	7/16	2	5/8	3/4	9/32
OSSF-3514*	7/16	2	5/8	5/8	9/32
SF-3516•	1/2	2	3/4	3/4	11/32
SF-3518	9/16	2	25/32	13/16	7/16

*No ring groove.

3/8” Sq. Dr. Sockets For SAE Sheet Metal Screws

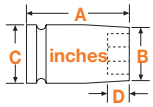
6 Point & 6 Point Magnetic, For Predrilled Holes*



Part No. Fixed Magnet	Part No. Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M3E08•	1/4	1 1/4	7/16	3/4	5/32
3E10•	M3E10•	5/16	1 1/4	1/2	3/4	3/16
3E11	-	11/32	1 1/4	1/2	3/4	3/16
3E12•	M3E12•	3/8	1 1/4	19/32	3/4	1/4
3E14	M3E14•	7/16	1 1/4	11/16	3/4	9/32
3E16•	M3E16•	1/2	1 1/2	13/16	13/16	11/32
-	M3E18•	9/16	1 1/2	7/8	7/8	7/16

3/8” Sq. Dr. Sockets For SAE Sheet Metal Screws

6 Point & 6 Point Magnetic, For Self-Tapping Screws*

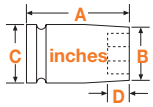


Part No. Fixed Magnet	Part No. Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M3P06	3/16	1 1/4	5/16	3/4	3/32
-	M3P07	7/32	1 1/4	3/8	3/4	5/32
-	M3P08•	1/4	1 1/4	7/16	3/4	5/32
3P10	M3P10•	5/16	1 1/4	1/2	3/4	3/16
3P12	M3P12•	3/8	1 1/4	5/8	3/4	1/4
3P14	M3P14•	7/16	1 1/4	11/16	3/4	9/32
3P16	M3P16•	1/2	1 1/2	13/16	13/16	11/32
-	M3P18	9/16	1 1/2	7/8	7/8	7/16

Sockets for predrilled holes are intermediate hardness; sockets for self-tapping screws are maximum hardness.

3/8” Sq. Dr. Sockets For SAE Square Nuts

Single Square & Double Square



Part No. Single Square	Part No. Double Square	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3607	-	7/32	1 1/2	7/16	3/4	3/16
3608•	-	1/4	1 1/2	1/2	3/4	3/16
3609•	3609-D•	9/32	1 1/2	9/16	3/4	3/16
3610•	3610-D•	5/16	1 1/2	5/8	3/4	1/4
3612•	3612-D•	3/8	1 1/2	3/4	3/4	1/4
3614•	3614-D•	7/16	1 1/2	7/8	7/8	9/32
3616	3616-D•	1/2	1 1/2	1	1	11/32
3618	3618-D•	9/16	1 1/2	1	1	7/16
3620	-	5/8	1 1/2	1 1/8	1 1/8	7/16
3624	-	3/4	1 1/2	1 3/8	1 3/8	15/32

3/8” Sq. Dr. Socket Sets, SAE

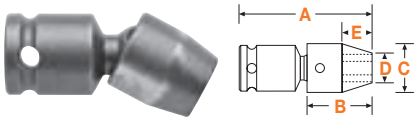
6 Point

APS38	8 piece, standard length: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
APS38L	8 piece, long length: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8" Sq. Dr. Universal Wrenches, SAE

6 Point & 12 Point

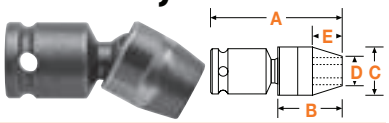


Part Number 6 Point	Part Number 12 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-120•	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-122•	SA-122-D•	3/8	1 57/64	13/16	3/4	9/16	3/8
SA-200	-	3/8	1 15/16	7/8	7/8	9/16	11/32
SA-123•	SA-123-D•	7/16	2 1/64	15/16	3/4	19/32	1/2
SA-201	-	7/16	2	15/16	7/8	5/8	13/32
SA-124•	SA-124-D•	1/2	2 5/64	1	3/4	3/4	9/16
SA-202•	SA-202-D•	1/2	2 1/16	1	7/8	11/16	15/32
SA-125•	SA-125-D•	9/16	2 1/8	1	13/16	13/16	9/16
SA-203•	SA-203-D	9/16	2 1/16	1 1/16	7/8	3/4	17/32
SA-302•	-	9/16	2 1/8	1 1/8	1	3/4	9/16
SA-205•	SA-205-D•	5/8	2 1/8	1 1/8	7/8	7/8	19/32
SA-305•	-	11/16	2 5/16	1 1/4	1	1	11/16
SA-306•	-	3/4	2 5/16	1 1/4	1 1/8	1 1/8	11/16

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Universal Wrenches, SAE

6 Point



Part Number	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-C-120•	5/16	1.83	.75	.75	.44	.31
SA-C-122•	3/8	1.89	.81	.75	.56	.38
SA-C-123•	7/16	2.02	.94	.75	.59	.50
SA-C-124•	1/2	2.08	1.0	.75	.75	.56
SA-C-205•	5/8	2.13	1.13	.88	.88	.59
SA-C-305•	11/16	2.31	1.25	1.00	1.00	.69
SA-C-306•	3/4	2.31	1.25	1.13	1.13	.69

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

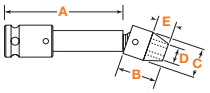
3/8" Sq. Dr. Universal Wrench Set, SAE

6 Point

APU37	7 piece, standard length: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

3/8" Sq. Dr. Universal Wrenches, SAE – Extension

6 Point Standard and Tension Type

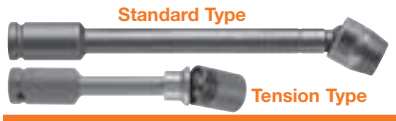


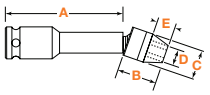
Part Number Standard	Part Number Tension	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Dia. (C) In.	Nose End Dia. (D) In.	Clearance Depth (E) In.
KA-43-6•	KD-43-6•	3/8	6	13/16	5/8	17/32	7/16
KA-44-3	-	7/16	3	7/8	5/8	5/8	1/2
KA-44-4	-	7/16	4	7/8	5/8	5/8	1/2
KA-44-6•	KD-44-6•	7/16	6	7/8	5/8	5/8	1/2
KA-103-6•	KD-103-6•	7/16	6	15/16	3/4	19/32	1/2
KA-45-3	-	1/2	3	7/8	11/16	11/16	1/2
KA-45-4	-	1/2	4	7/8	11/16	11/16	1/2
KA-45-6•	KD-45-6•	1/2	6	7/8	11/16	11/16	1/2
KA-45-9	-	1/2	9	7/8	11/16	11/16	1/2
KA-104-9•	-	1/2	9	1	3/4	3/4	9/16
-	KD-104-12•	1/2	12	1	3/4	3/4	9/16
KA-105-3•	KD-105-3•	9/16	3	1	13/16	13/16	9/16
KA-105-4•	-	9/16	4	1	13/16	13/16	9/16
KA-105-6•	KD-105-6•	9/16	6	1	13/16	13/16	9/16
KA-105-9	-	9/16	9	1	13/16	13/16	9/16
KA-205-3	-	5/8	3	1 1/8	7/8	7/8	19/32
-	KD-205-6•	5/8	6	1 1/8	7/8	7/8	19/32

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Univ. Wrenches, SAE – Extension

6 Point Standard and Tension Type



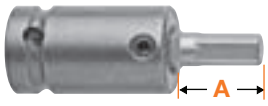


Part Number Standard	Part Number Tension	Hex Open. In.	OA L. (A) In.	Soc. L. (B) In.	Soc. Dia. (C) In.	Nose Dia. (D) In.	Clear. Depth (E) In.
KAW-C-43-6•	KDW-C-43-6•	3/8	6	.81	.63	.53	.44
KAW-C-44-6•	KDW-C-44-6•	7/16	6	.88	.63	.63	.50
KAW-C-45-6•	KDW-C-45-6•	1/2	6	.88	.69	.69	.50
KAW-C-104-9•		1/2	9	1.00	.75	.75	.56
	KDW-C-104-12•	1/2	12	1.00	.75	.75	.56
KAW-C-105-6•	KDW-C-105-6•	9/16	6	1.00	.81	.81	.56

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

3/8" Sq. Dr. Socket Head Bits, SAE

Complete, Adapter Only, Insert Only



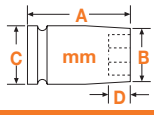
Part Number			Hex Size	Overall Length		Length of Insert (A)	
Complete	Adapter Only	Insert Only		In.	mm	In.	mm
SZ-10•	SC-314•	SZ-10-A•	1/8	2 1/4	57	1 3/8	35
SZ-11•	SC-314•	SZ-11-A•	5/32	2 1/4	57	1 3/8	35
SZ-12•	SC-314•	SZ-12-A•	3/16	2 1/4	57	1 3/8	35
SZ-13•	SC-314•	SZ-13-A•	7/32	2 1/4	57	1 3/8	35
SZ-14•	SC-314•	SZ-14-A•	1/4	2 1/4	57	1 3/8	35
SZ-15•	SC-314•	SZ-15-A•	5/16	2 1/4	57	1 3/8	35
SZ-16•	SC-314•	SZ-16-A•	3/8	2 1/4	57	1 3/8	35

See page 35 for more 3/8" drive complete socket head bits.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8” Square Drive Sockets, Metric

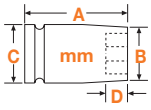
6 Point & 12 Point, Short and Standard Length



Part Number 6 Point	Part Number 12 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
6mm13•	-	6	31.7	11.1	19.1	3.9
7mm03•	-	7	22.2	11.1	19.1	3.0
7mm13•	-	7	31.7	11.1	19.1	4.8
8mm03•	-	8	22.2	12.7	19.1	4.8
8mm13•	8mm13-D•	8	31.7	12.7	19.1	4.8
OS-8mm13*•	-	8	31.7	11.7	15.7	4.8
9mm13•	9mm13-D	9	31.7	15.1	19.1	4.8
10mm03•	10mm03-D•	10	22.2	16.8	19.1	6.4
OS-10mm03*•	-	10	22.1	15.7	15.7	6.4
10mm13•	10mm13-D•	10	31.7	16.8	19.1	6.4
11mm03•	11mm03-D	11	22.2	17.5	19.1	7.2
11mm13•	11mm13-D	11	31.7	17.5	19.1	7.2
12mm03•	12mm03-D•	12	22.2	19.1	19.1	7.2
12mm13•	12mm13-D•	12	38.1	19.1	19.1	7.2
13mm03•	13mm03-D•	13	22.2	20.6	20.6	7.9
13mm13•	13mm13-D•	13	38.1	20.6	20.6	8.7
14mm03•	14mm03-D	14	22.2	22.2	22.2	7.9
14mm13•	14mm13-D•	14	38.1	22.2	22.2	11.1
15mm03•	15mm03-D•	15	23.8	22.2	22.2	9.5
15mm13•	15mm13-D•	15	38.1	22.2	22.2	11.1
16mm03•	16mm03-D	16	25.4	23.8	23.8	11.1
16mm13•	16mm13-D	16	38.1	23.8	23.8	11.1
17mm03•	-	17	25.4	25.4	25.4	11.1
17mm13•	17mm13-D•	17	38.1	25.4	25.4	11.1
18mm03•	-	18	25.4	25.4	25.4	11.1
18mm13•	18mm13-D•	18	38.1	25.4	25.4	11.1
19mm03•	19mm03-D	19	25.4	28.6	28.6	11.1
19mm13•	19mm13-D•	19	38.1	28.6	28.6	11.9
20mm03	-	20	25.4	28.6	28.6	11.1
21mm03	-	21	25.4	31.7	31.7	11.1
21mm13•	-	21	38.1	31.7	31.7	13.5
22mm03	-	22	25.4	31.7	31.7	11.1
22mm13•	-	22	38.1	31.7	31.7	14.3

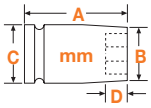
*No ring groove.

6 Point & Double Hex, Thin Wall, Standard Length



Part Number 6 Point	Part Number 12 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
6mm43•	-	6	31.7	9.5	19.1	3.9
7mm43•	7mm43-D	7	31.7	11.1	19.1	4.8
8mm43•	8mm43-D•	8	31.7	12.7	19.1	4.8
9mm43•	9mm43-D	9	31.7	12.7	19.1	4.8
10mm43•	10mm43-D•	10	31.7	15.1	19.1	6.4
11mm43•	-	11	38.1	15.9	19.1	7.2
12mm43•	12mm43-D•	12	38.1	17.5	19.1	7.2
13mm43•	13mm43-D•	13	38.1	19.1	19.1	8.7
14mm43•	14mm43-D•	14	38.1	19.8	20.6	11.1
15mm43•	15mm43-D	15	38.1	20.6	20.6	11.1
16mm43•	16mm43-D	16	38.1	22.2	22.2	11.1
17mm43•	17mm43-D	17	38.1	23.8	23.8	11.1
18mm43	-	18	38.1	23.8	23.8	11.1
19mm43•	19mm43-D	19	38.1	25.4	25.4	11.9

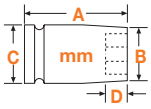
6 Point & Double Hex, Long and Extra Long Length



Part Number 6 Point	Part Number 12 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7mm23•	-	7	50.8	11.1	19.1	4.8
8mm23•	8mm23-D•	8	50.8	12.7	19.1	4.8
9mm23•	9mm23-D	9	50.8	15.1	19.1	4.8
10mm23•	10mm23-D•	10	50.8	16.8	19.1	6.4
OS-10mm23*•	OS-10mm23-D*	10	50.8	14.2	15.9	6.4
10mm33•	-	10	88.9	16.8	19.1	6.4
11mm23•	11mm23-D	11	50.8	17.5	19.1	7.2
12mm23•	12mm23-D•	12	50.8	19.1	19.1	7.2
13mm23•	13mm23-D•	13	50.8	20.6	20.6	8.7
13mm33•	-	13	88.9	20.6	20.6	8.7
14mm23•	14mm23-D•	14	50.8	22.2	22.2	11.1
15mm23•	15mm23-D•	15	50.8	22.2	22.2	11.1
15mm33•	15mm33-D	15	88.9	22.2	22.2	11.1
16mm23•	16mm23-D	16	50.8	23.8	23.8	11.1
17mm23•	17mm23-D	17	50.8	25.4	25.4	11.1
18mm23•	18mm23-D•	18	50.8	25.4	25.4	11.1
19mm23•	19mm23-D	19	50.8	28.6	28.6	11.9
21mm23•	-	21	50.8	31.7	31.7	13.5
22mm23•	-	22	50.8	31.7	31.7	14.3

*No ring groove.

Magnetic, Short & Standard Length

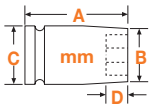


Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-6mm13	6	31.8	11.1	19.1	3.9
M-7mm13•	7	31.8	11.1	19.1	4.8
M-8mm13•	8	31.8	12.7	19.1	4.8
M-9mm13	9	31.8	15.1	19.1	4.8
M-10mm03•	10	22.2	16.8	19.1	6.4
M-10mm13•	10	31.8	16.8	19.1	6.4
M-11mm03	11	22.2	17.5	19.1	7.2
M-11mm13•	11	31.7	17.5	19.1	7.2
M-12mm03•	12	22.2	19.1	19.1	7.2
M-12mm13•	12	38.1	19.1	19.1	7.2
M-13mm03•	13	22.2	20.6	20.6	8.7
M-13mm13•	13	38.1	20.6	20.6	8.7
M-14mm13•	14	38.1	22.2	22.2	11.1
M-15mm03•	15	23.8	22.2	22.2	9.5
M-15mm13•	15	38.1	22.2	22.2	11.1
M-16mm13•	16	38.1	23.8	23.8	11.1
M-17mm13•	17	38.1	25.4	25.4	11.1
M-18mm03•	18	25.4	25.4	25.4	11.1
M-18mm13•	18	38.1	25.4	25.4	11.1

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

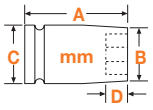
3/8” Square Drive Sockets, Metric

Magnetic, Thin Wall, Standard Length



Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-8mm43•	8	31.7	12.7	19.1	4.8
M-10mm43•	10	31.7	15.1	19.1	6.4
M-11mm43	11	38.1	15.9	19.1	7.2
M-12mm43•	12	38.1	17.5	19.1	7.2
M-13mm43•	13	38.1	19.1	19.1	8.7
M-14mm43	14	38.1	19.8	20.6	11.1
M-15mm43•	15	38.1	20.5	20.6	11.1

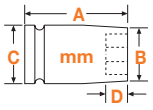
Magnetic, Long & Extra Long Length



Part No. Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
MB-6mm23	6	50.8	11.1	19.1	3.9
MB-7mm23•	7	50.8	11.1	19.1	4.8
MB-8mm23•	8	50.8	12.7	19.1	4.8
OSMB-8mm23*•	8	50.8	11.7	15.9	4.8
MB-9mm23	9	50.8	15.1	19.1	4.8
MB-10mm23•	10	50.8	16.8	19.1	6.4
OSMB-10mm23*•	10	50.8	14.2	15.9	6.4
MB-10mm33•	10	88.9	16.8	19.1	6.4
MB-11mm23•	11	50.8	17.5	19.1	7.2
MB-12mm23•	12	50.8	19.1	19.1	7.2
MB-13mm23•	13	50.8	20.6	20.6	8.7
MB-13mm33•	13	88.9	20.6	20.6	8.7
MB-14mm23•	14	50.8	22.2	22.2	11.1
MB-15mm23•	15	50.8	22.2	22.2	11.1
MB-15mm33	15	88.9	22.2	22.2	11.1
MB-16mm23•	16	50.8	23.8	23.8	11.1
MB-17mm23•	17	50.8	25.4	25.4	11.1
MB-18mm23•	18	50.8	25.4	25.4	11.1

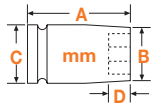
*No ring groove.

Surface Drive, Short and Standard Length



Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-8mm13•	8	31.7	12.7	19.1	4.8
SF-10mm03•	10	22.2	16.8	19.1	6.4
SF-10mm13•	10	31.7	16.8	19.1	6.4
SF-11mm13•	11	31.7	17.5	19.1	7.2
SF-12mm03•	12	22.2	19.1	19.1	7.2
SF-12mm13	12	38.1	19.1	19.1	7.2
SF-13mm03•	13	22.2	20.6	20.6	8.7
SF-13mm13•	13	38.1	20.6	20.6	8.7
SF-14mm13•	14	38.1	22.2	22.2	11.1
SF-15mm03•	15	23.8	22.2	22.2	11.1
SF-15mm13•	15	38.1	22.2	22.2	11.1
SF-16mm13•	16	38.1	23.8	23.8	11.1
SF-17mm03•	17	25.4	25.4	25.4	11.1
SF-17mm13•	17	38.1	25.4	25.4	11.1
SF-18mm13•	18	38.1	25.4	25.4	11.1
SF-19mm13•	18	38.1	28.6	28.6	11.9

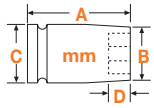
Surface Drive, Thin Wall, Standard Length



Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm43•	10	31.7	15.1	19.1	6.4
OSSF-10mm43*•	10	31.7	15.1	15.1	6.4
SF-11mm43	11	38.1	15.9	19.1	7.2
SF-12mm43•	12	38.1	17.5	19.1	7.2
SF-13mm43•	13	38.1	19.1	19.1	8.7
SF-15mm43•	15	38.1	20.6	20.6	11.1
SF-17mm43	17	38.1	23.8	23.8	11.1
SF-18mm43	18	38.1	23.8	23.8	11.1
SF-19mm43	19	38.1	25.4	25.4	11.9

*No ring groove.

Surface Drive, Long & Extra Long Length

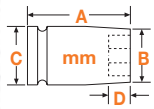


Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-8mm23•	8	50.8	12.7	19.1	4.8
OSSF-8mm23*•	8	50.8	11.9	15.9	4.8
SF-10mm23•	10	50.8	16.8	19.1	6.4
OSSF-10mm23*•	10	50.8	14.2	15.9	6.4
SF-10mm33•	10	88.9	16.8	19.1	6.4
SF-11mm23•	11	50.8	17.5	19.1	7.2
SF-12mm23	12	50.8	19.1	19.1	7.2
SF-13mm23•	13	50.8	20.6	20.6	8.7
SF-13mm33•	13	88.9	20.6	20.6	8.7
SF-15mm23•	15	50.8	22.2	22.2	11.1
SF-15mm33•	15	88.9	22.2	22.2	11.1
SF-17mm23•	17	50.8	25.4	25.4	11.1
SF-18mm23•	18	50.8	25.4	25.4	11.1
SF-19mm23•	19	50.8	28.6	28.6	11.9

*No ring groove.

3/8” Sq. Dr. Sockets For Metric Sheet Metal Screws

6 Point & 6 Point Magnetic, for Predrilled Holes



Part Number 6 Point	Part Number Magnetic	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M-6mmE3	6	31.7	11.1	19.1	3.9
-	M-7mmE3•	7	31.7	11.9	19.1	4.8
8mmE3•	M-8mmE3•	8	31.7	12.7	19.1	4.8
10mmE3•	M-10mmE3•	10	31.7	16.8	19.1	6.4
-	M-11mmE3	11	31.7	17.5	19.1	7.2
13mmE3•	M-13mmE3•	13	38.1	20.6	20.6	8.7

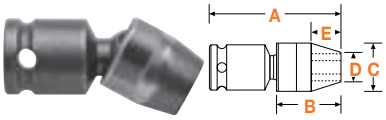
• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8" Sq. Dr. Socket Sets, Metric

6 Point

APS312M•	12 piece, standard length: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm
APS312LM	12 piece, long length: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm

3/8" Sq. Dr. IronBand™ Universal Wrenches, Metric



6 Point

Part Number 6 Point	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (D) mm	Clearance Depth (E) mm
SA-C-36-10M•	10	48	20.6	19.1	15.1	9.5
SA-C-37-12M•	12	51	23.8	22.2	17.5	10.3
SA-C-37-13M•	13	52	25.4	22.2	17.5	11.9
SA-C-37-14M•	14	54	27.0	22.2	19.1	13.5
SA-C-38-15M•	15	56	28.6	25.4	19.8	14.3
SA-C-38-17M•	17	59	31.8	25.4	25.4	17.5
SA-C-38-18M•	18	59	31.8	25.4	25.4	17.5

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

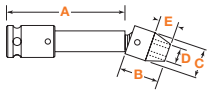
3/8" Sq. Dr. Universal Wrench Set, Metric

6 Point

APU37M	7 piece, standard length: 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm

3/8" Sq. Dr. Universal Wrenches, Metric – Extension

6 Point Standard and Tension Type



Tension Type

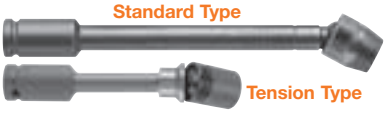
Standard Type

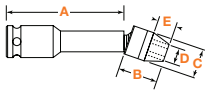
Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (D) mm	Clearance Depth (E) mm
KA-6-10m-4•	-	10	102	20.6	19.1	15.1	9.5
KA-6-10m-6•	KD-6-10m-6•	10	152	20.6	19.1	15.1	9.5
KA-6-10m-9•	KD-6-10m-9•	10	229	20.6	19.1	15.1	9.5
-	KD-6-10m-12•	10	305	20.6	19.1	15.1	9.5
-	KD-7-11m-6	11	152	23.8	22.2	15.9	10.3
KA-7-11m-12	KD-7-11m-12	11	305	23.8	22.2	15.9	10.3
KA-7-12m-4•	-	12	102	23.8	22.2	17.5	10.3
KA-7-12m-6•	KD-7-12m-6•	12	152	23.8	22.2	17.5	10.3
KA-7-12m-9•	KD-7-12m-9•	12	229	23.8	22.2	17.5	10.3
KA-7-12m-12	KD-7-12m-12•	12	305	23.8	22.2	17.5	10.3
KA-7-13m-3•	-	13	76	25.4	22.2	17.5	11.9
KA-7-13m-4•	-	13	102	25.4	22.2	17.5	11.9
KA-7-13m-6•	KD-7-13m-6•	13	152	25.4	22.2	17.5	11.9
KA-7-13m-9•	KD-7-13m-9•	13	229	25.4	22.2	17.5	11.9
KA-7-13m-12•	KD-7-13m-12•	13	305	25.4	22.2	17.5	11.9
KA-7-14m-6•	KD-7-14m-6•	14	152	27.0	22.2	19.1	13.5
-	KD-7-14m-9•	14	229	27.0	22.2	19.1	13.5
KA-8-15m-3•	-	15	76	28.6	25.4	19.8	14.3
-	KD-8-15m-6•	15	152	28.6	25.4	19.8	14.3
KA-8-15m-9•	KD-8-15m-9•	15	229	28.6	25.4	19.8	14.3
KA-8-15m-12•	KD-8-15m-12•	15	305	28.6	25.4	19.8	14.3

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Univ. Wrenches, Metric

6 Point Standard and Tension Type





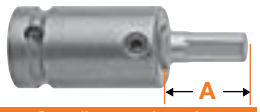
Part Number Standard	Part Number Tension	Hex Open. mm	OA L. (A) mm	Soc. L. (B) mm	Soc. Dia. (C) mm	Nose Dia. (D) mm	Clear. Depth (E) mm
KAW-C-6-10M-6•	KDW-C-6-10M-6•	10	152	20.6	19.1	15.1	9.5
KAW-C-6-10M-9•	KDW-C-6-10M-9•	10	229	20.6	19.1	15.1	9.5
KAW-C-7-12M-6•	KDW-C-7-12M-6•	12	152	23.8	22.2	17.5	10.3
KAW-C-7-12M-12•	KDW-C-7-12M-12•	12	305	23.8	22.2	17.5	10.3
KAW-C-7-13M-6•	KDW-C-7-13M-6•	13	152	25.4	22.2	17.5	11.9
KAW-C-7-13M-12•	KDW-C-7-13M-12•	13	305	25.4	22.2	17.5	11.9
KAW-C-7-14M-6•	KDW-C-7-14M-6•	14	152	27.0	22.2	19.1	13.5
KAW-C-8-15M-9•	KDW-C-8-15M-9•	15	229	28.6	25.4	19.8	14.3

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8" Sq. Dr. Socket Head Bits, Metric

Complete, Adapter Only, Insert Only



Part Number			Hex	Overall Length		Length of Insert (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm
SZ-3-7-4mm•	SC-314•	SZ-7-4mm•	4mm	2 1/4	57	1 3/8	35
SZ-3-7-5mm•	SC-314•	SZ-7-5mm•	5mm	2 1/4	57	1 3/8	35
SZ-3-7-6mm•	SC-314•	SZ-7-6mm•	6mm	2 1/4	57	1 3/8	35
SZ-3-7-8mm•	SC-314•	SZ-7-8mm•	8mm	2 1/4	57	1 3/8	35
SZ-3-7-10mm•	SC-314•	SZ-7-10mm•	10mm	2 1/4	57	1 3/8	35

See page 19 for more 3/8" drive complete socket head bits.

3/8" Sq. Dr. Sockets For Spline Fasteners

Standard and Long Length

Part Number	Spline Size	Nominal Size	Overall Length (A)		Diameter Nose End (B)		Diameter Drive End (C)	
			In.	mm	In.	mm	In.	mm
CMS-3412•	12	3/8	1	25	17/32	14	21/32	17
CMS-3512	12	3/8	2 1/8	54	17/32	14	21/32	17
CMS-3414	14	7/16	1 1/16	27	5/8	16	11/16	18
CMS-3416	16	1/2	1 1/16	27	23/32	18	23/32	18
CMS-3418	18	9/16	1 1/16	27	13/16	21	13/16	21
CMS-3518	18	9/16	2 3/8	60	13/16	21	13/16	21
CMS-3420	20	5/8	1 3/16	30	7/8	22	7/8	22

Apex spline sockets conform to military specifications MS-37787 and MIL-W-8982C.

3/8" Sq. Dr. Torx® Sockets

For External Torx Screws

Part Number	Driver Size	Overall Length (A)		Nose End Diameter (B)		Drive End Diameter (C)	
		In.	mm	In.	mm	In.	mm
TX-3106•	E-6	1 1/4	32	3/8	10	3/4	19
TX-3107•	E-7	1 1/4	32	3/8	10	3/4	19
TX-3108•	E-8	1 1/4	32	7/16	11	3/4	19
TX-3110•	E-10	1 1/4	32	1/2	13	3/4	19
TX-3112•	E-12	1 1/4	32	5/8	16	3/4	19
TX-3114•	E-14	1 1/4	32	11/16	18	3/4	19
TX-3116	E-16	1 1/4	32	13/16	21	13/16	21

For External Torx Screws, Thin Wall

Part Number	Driver Size	Overall Length (A)		Nose End Diameter (B)		Drive End Diameter (C)	
		In.	mm	In.	mm	In.	mm
TX-3406•	E-6	1 1/4	32	5/16	8	5/8	16
TX-3407•	E-7	1 1/4	32	11/32	9	5/8	16
TX-3408•	E-8	1 1/4	32	3/8	10	5/8	16
TX-3508•	E-8	2	51	3/8	10	5/8	16
TX-3410•	E-10	1 1/4	32	1/2	13	5/8	16
TX-3412•	E-12	1 1/4	32	9/16	14	5/8	16
TX-3414•	E-14	1 1/4	32	5/8	16	3/4	19

Some Torx® sockets have a DIN (pin and o-ring) groove.

For Torx Nuts

Part Number	Driver Size	Overall Length (A)		Nose End Diameter (B)		Drive End Diameter (C)	
		In.	mm	In.	mm	In.	mm
TX-3E08•	E-8	1 1/4	32	5/8	16	5/8	16
TX-3E10	E-10	1 1/4	32	5/8	16	5/8	16

Sockets for Torx® nuts have a larger lead-in chamfer than sockets for external Torx® screws. Most Torx® sockets have a DIN (pin and o-ring) groove.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/8” Sq. Dr. Extensions

1 1/4” to 18” (32mm to 457mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-374•	3/8	Pin	1 3/8	34
EX-374-B•	3/8	Ball	1 3/8	34
EX-376-2•	3/8	Pin	2	51
EX-376-B-2•	3/8	Ball	2	51
EX-376-3•	3/8	Pin	3	76
EX-376-B-3•	3/8	Ball	3	76
EX-376-4•	3/8	Pin	4	102
EX-376-B-4•	3/8	Ball	4	102
EX-376-5•	3/8	Pin	5	127
EX-376-B-5•	3/8	Ball	5	127
EX-376-6•	3/8	Pin	6	152
EX-376-B-6•	3/8	Ball	6	152
EX-376-8•	3/8	Pin	8	203
EX-376-B-8•	3/8	Ball	8	203
EX-376-9•	3/8	Pin	9	229
EX-376-B-9•	3/8	Ball	9	229
EX-376-10•	3/8	Pin	10	254
EX-376-B-10•	3/8	Ball	10	254
EX-376-12•	3/8	Pin	12	305
EX-376-B-12•	3/8	Ball	12	305
EX-376-15•	3/8	Pin	15	381
EX-376-B-15	3/8	Ball	15	381
EX-376-18•	3/8	Pin	18	457

3/8” Sq. Dr. Adapters

1/4” to 3/4” Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-254•	1/4	3/8	Pin	1 1/4	32
EX-254-B•	1/4	3/8	Ball	1 1/4	32
EX-257-2•	1/4	3/8	Pin	2	51
EX-257-B-2	1/4	3/8	Ball	2	51
EX-257-3•	1/4	3/8	Pin	3	76
EX-257-B-3	1/4	3/8	Ball	3	76
EX-257-4•	1/4	3/8	Pin	4	102
EX-257-B-4	1/4	3/8	Ball	4	102
EX-257-5•	1/4	3/8	Pin	5	127
EX-257-B-5	1/4	3/8	Ball	5	127
EX-257-6•	1/4	3/8	Pin	6	152
EX-257-B-6	1/4	3/8	Ball	6	152
EX-503•	1/2	3/8	Pin	1 1/2	38
EX-503-B•	1/2	3/8	Ball	1 1/2	38
EX-507-2•	1/2	3/8	Pin	2	51
EX-507-3•	1/2	3/8	Pin	3	76
EX-507-B-3	1/2	3/8	Ball	3	76
EX-507-4	1/2	3/8	Pin	4	102
EX-507-B-4	1/2	3/8	Ball	4	102
EX-507-6	1/2	3/8	Pin	6	152
EX-507-B-6	1/2	3/8	Ball	6	152
EX-622	5/8	3/8	Pin	1 1/2	38
EX-750	3/4	3/8	7/32 Drill Hole	1 1/2	38
EX-750-B	3/4	3/8	Ball	1 1/2	38

3/8” Sq. Dr. Universal Adapters

Male Square to Female Square

Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
MF-27	1/4	3/8	Pin	1 5/16	49	3/4	19
MF-27-B•	1/4	3/8	Ball	1 5/16	49	3/4	19
MF-37•	3/8	3/8	Pin	2 1/8	54	3/4	19
MF-37-B•	3/8	3/8	Ball	2 1/8	54	3/4	19
MF-38-B•	3/8	3/8	Ball	2 1/2	64	7/8	22

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

3/8” Sq. Dr. Universal Adapters – Extension

(Standard Type Shown)

Male Square to Female Square

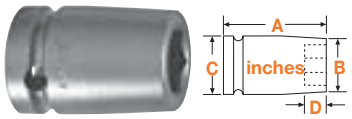
Part No. Standard	Part No. Tension	Male Square In.	Female Square In.	Type of Lock	Largest Diameter In.	Largest Diameter mm
KAM-37-3•	KDM-37-3•	3/8	3/8	Pin	3/4	19
-	KDM-37-6•	3/8	3/8	Pin	3/4	19
-	KDM-37-B-3	3/8	3/8	Ball	3/4	19
KAM-38-6•	KDM-38-6•	3/8	3/8	Pin	7/8	22

Standard lengths are 3”, 6”, 9” and 12” (76, 152, 229 and 305mm)

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

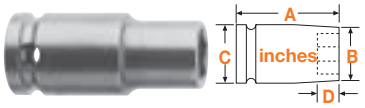
1/2” Square Drive Sockets, SAE

6 Point and Double Hex, Standard Length



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5108•	-	1/4	1 1/2	7/16	15/16	5/32
5110•	5110-D•	5/16	1 1/2	1/2	15/16	3/16
5112•	5112-D•	3/8	1 1/2	5/8	15/16	1/4
5114•	5114-D	7/16	1 1/2	11/16	15/16	9/32
5116•	5116-D•	1/2	1 1/2	13/16	15/16	11/32
SH-335	-	1/2	1 1/2	45/64	15/16	11/32
5118•	5118-D•	9/16	1 1/2	7/8	15/16	7/16
SH-336•	SH-336-D•	9/16	1 1/2	27/32	15/16	7/16
5119	-	19/32	1 1/2	15/16	15/16	7/16
5120•	5120-D•	5/8	1 1/2	1	1	7/16
SH-338	SH-338-D	5/8	1 1/2	15/16	1	7/16
5122•	5122-D•	11/16	1 1/2	1 1/8	1 1/8	7/16
SH-339	-	11/16	1 1/2	1 1/64	1 1/16	7/16
SW-282	SW-282-D	3/4	1 1/2	1 1/4	1 1/4	15/32
5124•	5124-D•	3/4	1 1/2	1 1/8	1 1/8	15/32
5126•	5126-D	13/16	1 1/2	1 1/4	1 1/4	17/32
5128•	5128-D	7/8	1 1/2	1 5/16	1 5/16	9/16
5130•	5130-D•	15/16	1 1/2	1 3/8	1 3/8	5/8
5131	-	31/32	1 1/2	1 1/2	1 1/2	5/8
5132•	5132-D•	1	1 1/2	1 1/2	1 1/2	5/8
5134•	5134-D	1 1/16	1 5/8	1 1/2	1 1/2	11/16
5136•	5136-D•	1 1/8	1 5/8	1 5/8	1 5/8	3/4
5138•	5138-D	1 3/16	1 5/8	1 3/4	1 3/4	3/4
5140•	5140-D•	1 1/4	1 3/4	1 3/4	1 3/4	13/16
5142•	-	1 5/16	1 3/4	1 7/8	1 7/8	13/16
5144•	5144-D	1 3/8	1 7/8	2	2	13/16
5146•	-	1 7/16	2	2	2	15/16
5148•	5148-D	1 1/2	2	2 1/8	2 1/8	1
5152•	5152-D	1 5/8	2	2 3/8	2 3/8	1 1/8
5154	-	1 11/16	2	2 3/8	2 3/8	1 1/8
5156	-	1 3/4	2	2 1/2	2 1/2	1 1/8

6 Point and Double Hex, Thin Wall, Standard Length

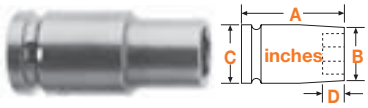


Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5412•	5412-D•	3/8	1 1/2	19/32	15/16	1/4
5414•	5414-D•	7/16	1 1/2	21/32	15/16	9/32
5416•	5416-D•	1/2	1 1/2	23/32	15/16	11/32
5418•	5418-D•	9/16	1 1/2	13/16	15/16	7/16
5420•	5420-D•	5/8	1 1/2	7/8	15/16	7/16
5421	5421-D	21/32	1 1/2	29/32	15/16	7/16
*5422•	*5422-D•	11/16	1 1/2	15/16	15/16	7/16
OS-5424**	-	3/4	1 1/2	1 1/32	1 1/32	15/32
5424•	5424-D•	3/4	1 1/2	1 1/32	1 1/8	15/32
5426•	5426-D•	13/16	1 1/2	1 1/8	1 1/8	17/32
HE-1028	HE-1028-D•	7/8	1 1/2	1 1/4	1 1/4	9/16
*5428•	-	7/8	1 1/2	1 3/16	1 1/4	9/16
HE-530	-	15/16	1 1/2	1 5/16	1 5/16	5/8

** Extra thin wall*
*** No ring groove*

Continued on next column.

6 Point and Double Hex, Thin Wall, Standard Length



Continued from previous column.

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
*5430•	*5430-D•	15/16	1 1/2	1 1/4	1 1/4	5/8
5432•	5432-D•	1	1 1/2	1 3/8	1 3/8	5/8
5434•	5434-D•	1 1/16	1 5/8	1 7/16	1 7/16	11/16
5436•	5436-D•	1 1/8	1 5/8	1 1/2	1 1/2	3/4
5438	-	1 3/16	1 5/8	1 5/8	1 5/8	3/4
5440•	5440-D•	1 1/4	1 3/4	1 11/16	1 3/4	13/16
5442	-	1 5/16	1 3/4	1 25/32	1 7/8	13/16

** Extra thin wall*
*** No ring groove*

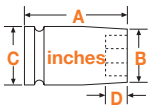
6 Point and Double Hex, Long & Extra Long Length

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5210	-	5/16	2 1/4	1/2	15/16	3/16
5310	-	5/16	3 1/4	1/2	15/16	3/16
5212•	-	3/8	2 1/4	5/8	15/16	1/4
5312•	-	3/8	3 1/4	5/8	15/16	1/4
5214•	-	7/16	2 1/4	11/16	15/16	9/32
5314•	-	7/16	3 1/4	11/16	15/16	9/32
5216•	5216-D	1/2	2 1/4	13/16	15/16	11/32
5316•	5316-D•	1/2	3 1/4	13/16	15/16	11/32
5218•	5218-D•	9/16	2 1/4	7/8	15/16	7/16
5318•	5318-D•	9/16	3 1/4	7/8	15/16	7/16
5220•	-	5/8	2 1/4	1	1	7/16
5320•	-	5/8	3 1/4	1	1	7/16
5222•	-	11/16	2 1/4	1 1/8	1 1/8	7/16
5322•	5322-D	11/16	3 1/4	1 1/8	1 1/8	7/16
5224•	5224-D•	3/4	2 1/4	1 1/8	1 1/8	15/32
5324•	5324-D•	3/4	3 1/4	1 1/8	1 1/8	15/32
SW-493	-	3/4	2 1/4	1 1/4	1 1/4	15/32
5226•	5226-D	13/16	2 1/4	1 1/4	1 1/4	17/32
5326•	-	13/16	3 1/2	1 1/4	1 1/4	17/32
5228•	5228-D	7/8	2 1/4	1 5/16	1 5/16	9/16
5328•	-	7/8	3 1/2	1 5/16	1 5/16	9/16
5230•	5230-D	15/16	2 1/4	1 3/8	1 3/8	5/8
5330•	5330-D•	15/16	3 1/2	1 3/8	1 3/8	5/8
5232•	-	1	2 1/4	1 1/2	1 1/2	5/8
5332•	-	1	3 1/2	1 1/2	1 1/2	5/8
5234•	-	1 1/16	2 3/8	1 1/2	1 1/2	11/16
5334•	-	1 1/16	3 1/2	1 1/2	1 1/2	11/16
5236•	5236-D	1 1/8	2 3/8	1 5/8	1 5/8	3/4
5336•	5336-D	1 1/8	3 1/2	1 5/8	1 5/8	3/4
5238	-	1 3/16	2 3/8	1 3/4	1 3/4	3/4
5338•	-	1 3/16	3 1/2	1 3/4	1 3/4	3/4
5240	5240-D	1 1/4	2 1/2	1 3/4	1 3/4	13/16
5340•	5340-D	1 1/4	3 1/2	1 3/4	1 3/4	13/16
5242	-	1 5/16	2 1/2	1 7/8	1 7/8	13/16
5342•	-	1 5/16	3 1/2	1 7/8	1 7/8	13/16
5244	-	1 3/8	2 1/2	2	2	13/16
5344	-	1 3/8	3 5/8	2	2	13/16
5248•	-	1 1/2	2 1/2	2 1/8	2 1/8	1
5348	-	1 1/2	3 3/4	2 1/8	2 1/8	1

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/2” Square Drive Sockets, SAE

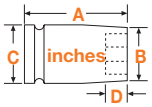
6 Point and Double Hex, Thin Wall, Extra Long Length



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5510•	-	5/16	3 1/4	1/2	15/16	3/16
5512•	5512-D•	3/8	3 1/4	19/32	15/16	1/4
5514•	5514-D•	7/16	3 1/4	21/32	15/16	9/32
5516•	5516-D•	1/2	3 1/4	23/32	15/16	11/32
OS-5516*•	-	1/2	3 1/4	47/64	7/8	11/32
5518•	5518-D•	9/16	3 1/4	13/16	15/16	7/16
OS-5518*•	-	9/16	3 1/4	13/16	27/32	7/16
5520•	5520-D•	5/8	3 1/4	7/8	15/16	7/16
5522•	5522-D•	11/16	3 1/4	15/16	15/16	7/16
5524•	5524-D•	3/4	3 1/4	1 1/32	1 1/8	15/32
5526•	5526-D•	13/16	3 1/2	1 1/8	1 1/8	17/32
5528•	5528-D•	7/8	3 1/2	1 3/16	1 1/4	9/16
5530•	5530-D	15/16	3 1/2	1 1/4	1 1/4	5/8
5532•	5532-D	1	3 1/2	1 3/8	1 3/8	5/8
5534•	5534-D	1 1/16	3 1/2	1 7/16	1 7 /16	11/16

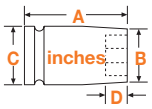
** No ring groove.*

Magnetic, Standard Length



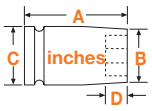
Part Number Fixed Magnet	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-5110•	5/16	1 1/2	1/2	15/16	3/16
M-5112•	3/8	1 1/2	5/8	15/16	1/4
M-5114•	7/16	1 1/2	11/16	15/16	9/32
M-5116•	1/2	1 1/2	13/16	15/16	11/32
MSH-335	1/2	1 1/2	45/64	15/16	11/32
M-5118•	9/16	1 1/2	7/8	15/16	7/16
MSH-336•	9/16	1 1/2	27/32	15/16	7/16
M-5120•	5/8	1 1/2	1	1	7/16
M-5122	11/16	1 1/2	1 1/8	1 1/8	7/16
M-5124	3/4	1 1/2	1 1/8	1 1/8	15/32

Magnetic, Thin Wall, Standard Length



Part Number Fixed Magnet	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-5416•	1/2	1 1/2	23/32	15/16	11/32
M-5418	9/16	1 1/2	13/16	15/16	7/16
M-5420	5/8	1 1/2	7/8	15/16	7/16

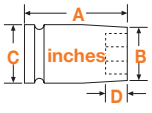
Magnetic, Long Length & Extra Long Length



Part No. Fixed Magnet	Part No. Bolt Clearance	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-5212	3/8	2 1/4	5/8	15/16	1/4
M-5512*	-	3/8	3 1/4	19/32	15/16	1/4
-	MB-5214•	7/16	2 1/4	11/16	15/16	9/32
M-5216	MB-5216	1/2	2 1/4	13/16	15/16	11/32
M-5316	-	1/2	3 1/4	13/16	15/16	11/32
M-5218	-	9/16	2 1/4	7/8	15/16	7/16
-	MB-HE9518•	9/16	2 1/4	7/8	15/16	7/16
M-5518*	-	9/16	3 1/4	13/16	15/16	7/16
-	MB-5220	5/8	2 1/4	1	1	7/16

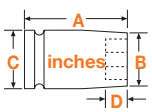
**Thin Wall*

Surface Drive & Fast Lead, Standard Length



Part No. Fixed Magnet	Part No. Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-5112	-	3/8	1 1/2	5/8	15/16	1/4
-	FL-5114	7/16	1 1/2	11/16	15/16	9/32
SF-5116•	FL-5116•	1/2	1 1/2	13/16	15/16	11/32
SF-SH-335	FL-SH-335	1/2	1 1/2	45/64	15/16	11/32
SF-5118•	FL-5118	9/16	1 1/2	7/8	15/16	7/16
SF-SH-336	-	9/16	1 1/2	27/32	15/16	7/16
SF-5120•	FL-5120	5/8	1 1/2	1	1	7/16
SF-5122•	FL-5122	11/16	1 1/2	1 1/8	1 1/8	7/16
SF-5124•	FL-5124•	3/4	1 1/2	1 1/8	1 1/8	15/32
SF-SW-282	-	3/4	1 1/2	1 1/4	1 1/4	15/32
SF-5126	FL-5126	13/16	1 1/2	1 1/4	1 1/4	17/32
SF-5128	FL-5128	7/8	1 1/2	1 5/16	1 5/16	9/16
SF-5130	FL-5130•	15/16	1 1/2	1 3/8	1 3/8	5/8
SF-5132	FL-5132	1	1 1/2	1 1/2	1 1/2	5/8
SF-5134	FL-5134	1 1/16	1 5/8	1 1/2	1 1/2	11/16

Surface Drive & Fast Lead, Thin Wall, Standard Length

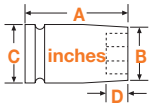


Part No. Fixed Magnet	Part No. Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-5412	-	3/8	1 1/2	19/32	15/16	1/4
SF-5414	-	7/16	1 1/2	21/32	15/16	9/32
SF-5416•	FL-5416	1/2	1 1/2	23/32	15/16	11/32
SF-5418•	FL-5418	9/16	1 1/2	13/16	15/16	7/16
SF-5420	-	5/8	1 1/2	7/8	15/16	7/16
SF-5422	-	11/16	1 1/2	15/16	15/16	7/16
SF-5424•	-	3/4	1 1/2	1 1/32	1 1/8	15/32
SF-5426	-	13/16	1 1/2	1 1/8	1 1/8	17/32

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

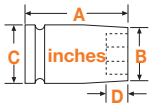
1/2” Sq. Dr. Sockets, SAE

Surface Drive & Fast Lead, Long and Extra Long Length



Part No. Surface Drive	Part No. Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-5212	-	3/8	2 1/4	9/16	15/16	9/32
SF-5216•	FL-5216	1/2	2 1/4	13/16	15/16	11/32
-	FL-5316	1/2	3 1/4	13/16	15/16	11/32
SF-HE-9518•	FL- HE-9518	9/16	2 1/4	7/8	7/8	7/16
SF-5218•	FL-5218•	9/16	2 1/4	7/8	15/16	7/16
SF-5318•	FL-5318	9/16	3 1/4	7/8	15/16	7/16
SF-5320•	FL-5320	5/8	3 1/4	1	1	7/16
SF-5222	FL-5222	11/16	2 1/4	1 1/8	1 1/8	7/16
SF-5224•	FL-5224	3/4	2 1/4	1 1/8	1 1/8	15/32
-	FL-SW-493	3/4	2 1/4	1 1/4	1 1/4	15/32
SF-5324	FL-5324	3/4	3 1/4	1 1/8	1 1/8	15/32
SF-5226	FL-5226	13/16	2 1/4	1 1/4	1 1/4	17/32
-	FL-5326	13/16	3 1/2	1 1/4	1 1/4	17/32
SF-5228	FL-5228	7/8	2 1/4	1 5/16	1 5/16	9/16
SF-5328	-	7/8	3 1/2	1 5/16	1 5/16	9/16
SF-5230	-	15/16	2 1/4	1 3/8	1 3/8	5/8
SF-5330•	-	15/16	3 1/2	1 3/8	1 3/8	5/8
SF-5232	-	1	2 1/4	1 1/2	1 1/2	5/8

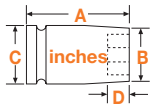
Surface Drive, Thin Wall, Extra Long Length



Part No. Surface Drive	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-5514•	7/16	3 1/4	21/32	15/16	9/32
SF-5516	1/2	3 1/4	23/32	15/16	11/32
SF-5518	9/16	3 1/4	13/16	15/16	7/16
SF-5520•	5/8	3 1/4	7/8	15/16	7/16
SF-5524	3/4	3 1/4	1 1/32	1 1/8	15/32
SF-5526	13/16	3 1/4	1 1/8	1 1/8	17/32
SF-5528	7/8	3 1/2	1 3/16	1 1/4	9/16
SF-5532	1	3 1/2	1 3/8	1 3/8	5/8

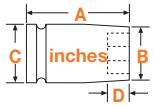
1/2” Sq. Dr. Sockets For SAE Sheet Metal Screws

6 Point & 6 Point Magnetic, for Predrilled Holes*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5E10	M5E10•	5/16	1 1/2	1/2	15/16	3/16
5E12	M5E12•	3/8	1 1/2	5/8	15/16	1/4
-	M5E14•	7/16	1 1/2	11/16	15/16	9/32
5E16	M5E16•	1/2	1 1/2	13/16	15/16	11/32
-	M5E18	9/16	1 1/2	15/16	15/16	7/16

6 Point & 6 Point Magnetic, for Self-Tapping Screws*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M5P10•	5/16	1 1/2	1/2	15/16	3/16
5P12	M5P12•	3/8	1 1/2	5/8	15/16	1/4
5P14	M5P14	7/16	1 1/2	11/16	15/16	9/32
-	M5P16	1/2	1 1/2	13/16	15/16	11/32
-	M5P18	9/16	1 1/2	15/16	15/16	7/16

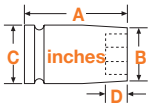
**Sockets for predrilled holes are intermediate hardness; sockets for self-tapping screws are maximum hardness.*

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture “specials” to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 4 weeks from the factory. No minimum on these items.

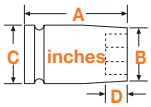
1/2" Sq. Dr. Sockets For SAE Square Nuts

Single Square & Double Square, Standard Length



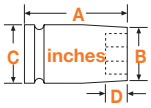
Part No. Single Square	Part No. Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5609•	-	9/32	1 1/2	1/2	15/16	3/16
5610	5610-D	5/16	1 1/2	5/8	15/16	1/4
5612•	5612-D	3/8	1 1/2	3/4	15/16	1/4
5614•	5614-D•	7/16	1 1/2	7/8	15/16	9/32
5616•	5616-D•	1/2	1 1/2	1	1	11/32
5618•	5618-D•	9/16	1 1/2	1 1/8	1 1/8	7/16
5620•	5620-D•	5/8	1 1/2	1 1/4	1 1/4	7/16
5622	-	11/16	1 1/2	1 1/4	1 1/4	7/16
5624	5624-D	3/4	1 1/2	1 3/8	1 3/8	15/32
5626•	-	13/16	1 1/2	1 1/2	1 1/2	17/32
5628	-	7/8	1 1/2	1 5/8	1 5/8	5/8
5632	-	1	1 5/8	1 3/4	1 3/4	5/8
5634	-	1 1/16	1 3/4	1 7/8	1 7/8	11/16
5636	5636-D	1 1/8	1 3/4	2	2	3/4

Single Square & Double Square, Thin Wall, Standard Length



Part Number Square	Part Number Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5912	5912-D	3/8	1 1/2	11/16	15/16	1/4
5914	5914-D	7/16	1 1/2	25/32	15/16	9/32
5918	5918-D	9/16	1 1/2	1	1	7/16
5920	-	5/8	1 1/2	1 3 /32	1 1/8	7/16

Single Square & Double Square, Long & Extra Long Length



Part Number Square	Part Number Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
5812	-	3/8	3 1/4	3/4	15/16	1/4
5716	-	1/2	2 1/4	1	1	11/32
-	5816-D	1/2	3 1/4	1	1	7/16
5720	-	5/8	2 1/4	1 1/4	1 1/4	7/16
5820	5820-D	5/8	3 1/2	1 1/4	1 1/4	7/16
5822	5822-D	11/16	3 1/2	1 1/4	1 1/4	7/16
5724	5724-D	3/4	2 1/4	1 3/8	1 3/8	15/32
-	5826-D•	13/16	3 1/2	1 1/2	1 1/2	17/32
5728	-	7/8	2 1/4	1 5/8	1 5/8	5/8
-	5832-D•	1	3 1/2	1 3/4	1 3/4	5/8
-	5834-D	1 1/16	3 1/2	1 7/8	1 7/8	11/16
-	5836-D•	1 1/8	3 1/2	2	2	3/4

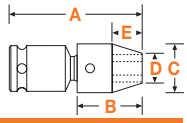
1/2" Sq. Dr. Socket Sets, SAE

6 Point

APS58XL	8 piece, extra long length: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16

1/2" Sq. Dr. Universal Wrenches, SAE

6 Point & Double Hex

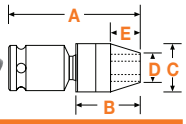


Part Number 6 Point	Part Number 12 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-120	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-216	SA-216-D•	3/8	2 11/64	7/8	7/8	9/16	11/32
SA-217•	SA-217-D	7/16	2 15/64	15/16	7/8	5/8	13/32
SA-316	-	7/16	2 17/64	15/16	1	5/8	3/8
SA-218•	SA-218-D•	1/2	2 19/64	1	7/8	11/16	15/32
SA-317	-	1/2	2 31/64	1	1	11/16	7/16
SA-219•	SA-219-D	9/16	2 23/64	1 1/16	7/8	3/4	17/32
SA-318•	SA-318-D	9/16	2 29/64	1 1/8	1	3/4	9/16
SA-221•	SA-221-D•	5/8	2 27/64	1 1/8	7/8	7/8	19/32
SA-320•	-	5/8	2 33/64	1 3/16	1	27/32	5/8
SA-402	SA-402-D	5/8	2 49/64	1 1/4	1 1/4	7/8	33/64
SA-321•	SA-321-D	11/16	2 37/64	1 1/4	1	1	11/16
SA-322•	SA-322-D•	3/4	2 37/64	1 1/4	1 1/8	1 1/8	11/16
SA-404•	SA-404-D	3/4	2 57/64	1 3/8	1 1/4	1 1/32	5/8
SA-501	-	3/4	3 1/32	1 5/8	1 1/2	1 1/8	25/32
SA-406	-	13/16	2 57/64	1 3/8	1 1/4	1 1/8	41/64
SA-407•	-	7/8	2 57/64	1 3/8	1 3/16	1 5/16	41/64
SA-409•	SA-409-D	15/16	2 57/64	1 3/8	1 5/16	1 5/16	41/64
SA-505•	-	15/16	3 5/32	1 3/4	1 1/2	1 3/8	29/32
SA-410	-	1	2 61/64	1 7/16	1 1/2	1 1/2	45/64
SA-411•	-	1 1/16	3 1/64	1 1/2	1 1/2	1 1/2	49/64
SA-508•	-	1 1/8	3 9/32	1 7/8	1 5/8	1 5/8	1 1/32
SA-510•	-	1 1/4	3 13/32	2	1 3/4	1 3/4	1 5/32

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. IronBand™ Univ. Wrenches, SAE

6 Point



Part Number	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-C-216	3/8	2.17	.88	.88	.56	.34
SA-C-217•	7/16	2.23	.94	.88	.63	.41
SA-C-218•	1/2	2.30	1.00	.88	.69	.47
SA-C-219•	9/16	2.36	1.06	.88	.75	.53
SA-C-221•	5/8	2.42	1.13	.88	.88	.59
SA-C-321•	11/16	2.58	1.25	1.00	1.00	.69
SA-C-322•	3/4	2.58	1.25	1.13	1.13	.69
SA-C-407•	7/8	2.89	1.38	1.19	1.31	.64
SA-C-409•	15/16	2.89	1.38	1.31	1.31	.64
SA-C-410	1	2.95	1.44	1.50	1.50	.70
SA-C-411•	1 1/16	3.02	1.50	1.50	1.50	.77
SA-C-508•	1 1/8	3.28	1.88	1.63	1.63	1.03
SA-C-510•	1 1/4	3.41	2.00	1.75	1.75	1.16

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

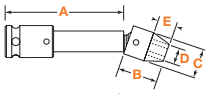
1/2” Sq. Dr. Universal Wrench Set, SAE

6 Point

APU56	6 piece, standard length: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

Universal Wrenches 1/2” Sq. Dr., SAE – Extension

6 Point, Standard and Tension Type

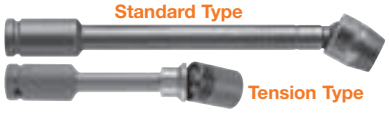


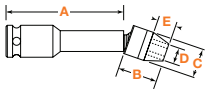
Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Opening Depth (E) In.
KH-43-6•	KN-43-6•	3/8	6	13/16	5/8	17/32	7/16
-	KN-43-9	3/8	9	13/16	5/8	17/32	7/16
KH-44-6•	KN-44-6	7/16	6	7/8	5/8	5/8	1/2
KH-45-3	-	1/2	3	7/8	11/16	11/16	1/2
KH-45-4	-	1/2	4	7/8	11/16	11/16	1/2
KH-45-6•	KN-45-6•	1/2	6	7/8	11/16	11/16	1/2
-	KN-45-9	1/2	9	7/8	11/16	11/16	1/2
KH-104-6•	KN-104-6•	1/2	6	1	3/4	3/4	9/16
-	KN-104-9•	1/2	9	1	3/4	3/4	9/16
KH-202-6•	KN-202-6•	1/2	6	1	7/8	11/16	15/32
-	KN-202-8•	1/2	9	1	7/8	11/16	15/32
KH-105-3•	-	9/16	3	1	13/16	13/16	9/16
KH-105-6•	KN-105-6•	9/16	6	1	13/16	13/16	9/16
-	KN-105-9•	9/16	9	1	13/16	13/16	9/16
KH-105-12•	KN-105-12•	9/16	12	1	13/16	13/16	9/16
KH-203-4•	-	9/16	4	1 1/16	7/8	3/4	17/32
KH-203-6•	KN-203-6•	9/16	6	1 1/16	7/8	3/4	17/32
KH-203-9•	KN-203-9•	9/16	9	1 1/16	7/8	3/4	17/32
-	KN-203-12•	9/16	12	1 1/16	7/8	3/4	17/32
-	KN-318-3	9/16	3	1 1/8	1	3/4	9/16
KH-318-4	KN-318-4•	9/16	4	1 1/8	1	3/4	9/16
KH-205-3•	-	5/8	3	1 1/8	7/8	7/8	19/32
KH-205-4•	-	5/8	4	1 1/8	7/8	7/8	19/32
KH-205-6•	KN-205-6•	5/8	6	1 1/8	7/8	7/8	19/32
-	KN-205-9•	5/8	9	1 1/8	7/8	7/8	19/32
KH-205-12•	KN-205-12•	5/8	12	1 1/8	7/8	7/8	19/32
KH-320-6•	-	5/8	6	1 3/16	1	27/32	5/8
-	KN-320-12	5/8	12	1 3/16	1	27/32	5/8
KH-321-6	-	11/16	6	1 1/4	1	1	11/16
KH-322-6•	KN-322-6•	3/4	6	1 1/4	1 1/8	1 1/8	11/16
-	KN-322-9•	3/4	9	1 1/4	1 1/8	1 1/8	11/16
-	KN-322-12•	3/4	12	1 1/4	1 1/8	1 1/8	11/16
-	KN-404-6	3/4	6	1 3/8	1 1/4	1 1/32	41/64
KH-409-3	-	15/16	3	1 3/8	1 5/16	1 5/16	41/64
KH-409-4	-	15/16	4	1 3/8	1 5/16	1 5/16	41/64
KH-409-6•	-	15/16	6	1 3/8	1 5/16	1 5/16	41/64
KH-409-12	-	15/16	12	1 3/8	1 5/16	1 5/16	41/64

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.
Actual design of universal wrenches may not be exactly like pictures above.

1/2” Sq. Dr. IronBand™ Univ. Wrenches, SAE – Extension

6 Point



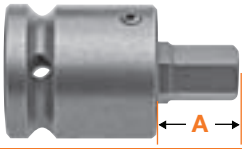


Part Number Standard	Part Number Tension	Hex Open. In.	OA L. (A) In.	Soc. L. (B) In.	Soc. Dia. (C) In.	Nose Dia. (D) In.	Clear. Depth (E) In.
KHW-C-43-6•	KNW-C-43-6•	3/8	6	.81	.63	.53	.44
KHW-C-44-6•	KNW-C-44-6	7/16	6	.88	.63	.63	.50
KHW-C-45-6•	KNW-C-45-6•	1/2	6	.88	.69	.69	.50
KHW-C-105-6•	KNW-C-105-6•	9/16	6	1.00	.81	.81	.56
KHW-C-105-12•	KNW-C-105-12•	9/16	12	1.00	.81	.81	.56
KHW-C-205-6•	KNW-C-205-6•	5/8	6	1.13	.88	.88	.59
KHW-C-205-12•	KNW-C-205-12•	5/8	12	1.13	.88	.88	.59
KHW-C-322-6•	KNW-C-322-6•	3/4	6	1.25	1.13	1.13	.69
	KNW-C-322-12•	3/4	12	1.25	1.13	1.13	.69
KHW-C-409-6•		15/16	6	1.38	1.31	1.31	.64

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2” Sq. Dr. Socket Head Bits, SAE

Complete, Adapter Only, Insert Only



Part Number			Hex	Overall Length		Length of Insert (A)	
Complete	Adapter Only	Insert Only	Size	In.	mm	In.	mm
SZ-22•	SC-514•	SZ-14-A•	1/4	2 1/2	64	1 3/8	35
SZ-23•	SC-514•	SZ-15-A•	5/16	2 1/2	64	1 3/8	35
SZ-24•	SC-514•	SZ-16-A•	3/8	2 1/2	64	1 3/8	35
SZ-25•	SC-514•	SZ-17-A•	1/2	2 1/2	64	1 3/8	35
SZ-42•	SC-520•	SZ-31-A•	1/2	2 1/2	64	1 9/16	35
SZ-43•	SC-514•	SZ-18-A•	9/16	2 1/2	64	1 3/8	35
SZ-44•	SC-529	SZ-32-A	9/16	2 1/2	64	1 9/16	35
SZ-26•	SC-514•	SZ-19-A•	5/8	2 1/2	64	1 3/8	35

For a complete listing, see page 19.
Adapters with an “SC” prefix feature a set screw for locking in the bit.
An “RP” prefix indicates adapters with a roll pin that is inserted through the bit.

1/2” Square Drive Sockets, Metric

6 Point & Double Hex, Standard Length

Part Number 6 Point	Part Number Double Hex	Hex Opening mm.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
10mm15•	10mm15-D•	10	38.1	16.7	23.8	6.4
11mm15•	11mm15-D	11	38.1	17.5	23.8	7.2
12mm15•	12mm15-D•	12	38.1	19.1	23.8	7.2
13mm15•	13mm15-D•	13	38.1	22.2	23.8	8.7
14mm15•	14mm15-D•	14	38.1	22.2	23.8	11.1
15mm15•	15mm15-D•	15	38.1	23.8	23.8	11.1
16mm15•	16mm15-D•	16	38.1	25.4	25.4	11.1
17mm15•	17mm15-D•	17	38.1	28.6	28.6	11.1
18mm15•	18mm15-D•	18	38.1	28.6	28.6	11.1
19mm15•	19mm15-D•	19	38.1	28.6	28.6	11.9
20mm15•	-	20	38.1	31.7	31.7	11.9
21mm15•	21mm15-D•	21	38.1	31.7	31.7	13.5
22mm15•	22mm15-D	22	38.1	33.3	33.3	14.3
23mm15•	23mm15-D	23	38.1	34.9	34.9	15.9
24mm15•	24mm15-D•	24	38.1	34.9	34.9	15.9
25mm15•	-	25	38.1	38.1	38.1	15.9
26mm15	26mm15-D	26	38.1	38.1	38.1	15.9
27mm15•	27mm15-D	27	41.3	41.3	41.3	17.5
28mm15	-	28	41.3	41.3	41.3	19.1
29mm15	29mm15-D	29	41.3	44.4	44.4	19.1
30mm15	30mm15-D	30	41.3	44.4	44.4	19.1
32mm15	32mm15-D	32	44.4	44.4	44.4	20.6
33mm15	-	33	44.4	47.6	47.6	20.6
34mm15	-	34	47.6	47.5	47.5	20.5
35mm15	-	35	47.6	50.8	50.8	20.6
36mm15	-	36	47.6	50.8	50.8	23.8

6 Point & Double Hex, Thin Wall, Standard Length

Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
10mm45	10mm45-D	10	38.1	15.9	23.8	6.4
12mm45	12mm45-D	12	38.1	17.5	23.8	7.2
13mm45	13mm45-D	13	38.1	18.7	23.8	8.7
14mm45	14mm45-D	14	38.1	20.6	23.8	11.1
15mm45	15mm45-D	15	38.1	22.2	23.8	11.1
16mm45	16mm45-D	16	38.1	22.2	23.8	11.1
17mm45	17mm45-D	17	38.1	23.8	23.8	11.1
18mm45	18mm45-D	18	38.1	25.4	25.4	11.1
19mm45	-	19	38.1	26.3	26.3	11.9
21mm45	21mm45-D	21	38.1	28.6	28.6	13.5
22mm45	22mm45-D	22	38.1	30.2	31.7	14.3

6 Point & Double Hex, Long Length

Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
10mm25	10mm25-D	10	57.1	16.7	23.8	6.4
11mm25	-	11	57.1	17.5	23.8	7.2
12mm25	12mm25-D	12	57.1	19.1	23.8	7.2
13mm25	13mm25-D	13	57.1	22.2	23.8	8.7
14mm25	-	14	57.1	22.2	23.8	11.1
15mm25	15mm25-D	15	57.1	23.8	23.8	11.1
16mm25	16mm25-D	16	57.1	25.4	25.4	11.1
17mm25	17mm25-D	17	57.1	28.6	28.6	11.1
18mm25	18mm25-D	18	57.1	28.6	28.6	11.1
19mm25	-	19	57.1	28.6	28.6	11.9
20mm25	20mm25-D	20	57.1	31.7	31.7	11.9
21mm25	21mm25-D	21	57.1	31.7	31.7	13.5
22mm25	22mm25-D	22	57.1	33.3	33.3	14.3
23mm25	23mm25-D	23	57.1	34.9	34.9	15.9
24mm25	24mm25-D	24	57.1	34.9	34.9	15.9
25mm25	-	25	57.1	38.1	38.1	15.9
26mm25	-	26	57.1	38.1	38.1	15.9
27mm25	-	27	60.3	41.3	41.3	17.5
28mm25	-	28	60.3	41.3	41.3	19.1
30mm25	30mm25-D	30	60.3	44.4	44.4	19.1
32mm25	-	32	63.5	44.4	44.4	20.6

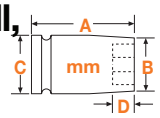
6 Point & Double Hex, Extra Long Length

Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
10mm35	10mm35-D	10	82.5	16.7	23.8	6.4
11mm35	-	11	82.5	17.5	23.8	7.2
12mm35	12mm35-D	12	82.5	19.1	23.8	7.2
13mm35	13mm35-D	13	82.5	22.2	23.8	8.7
14mm35	14mm35-D	14	82.5	22.2	23.8	11.1
15mm35	-	15	82.5	23.8	23.8	11.1
16mm35	16mm35-D	16	82.5	25.4	25.4	11.1
17mm35	17mm35-D	17	82.5	28.6	28.6	11.1
18mm35	18mm35-D	18	82.5	28.6	28.6	11.1
19mm35	19mm35-D	19	82.5	28.6	28.6	11.9
20mm35	20mm35-D	20	88.9	31.7	31.7	11.9
21mm35	21mm35-D	21	88.9	31.7	31.7	13.5
22mm35	22mm35-D	22	88.9	33.3	33.3	14.3
24mm35	24mm35-D	24	88.9	34.9	34.9	15.9
25mm35	-	25	88.9	38.1	38.1	15.9

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

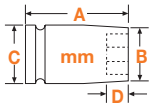
1/2” Square Drive Sockets, Metric

6 Point & Double Hex, Thin Wall, Extra Long Length



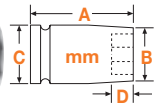
Part Number 6 Point	Part Number Double Hex	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
10mm55•	10mm55-D•	10	82.5	15.9	23.8	6.4
11mm55•	-	11	82.5	16.7	23.8	7.2
12mm55	12mm55-D•	12	82.5	17.5	23.8	7.2
13mm55•	13mm55-D•	13	82.5	18.7	23.8	8.7
14mm55•	14mm55-D•	14	82.5	20.6	23.8	11.1
15mm55	15mm55-D•	15	82.5	22.2	23.8	11.1
16mm55	16mm55-D•	16	82.5	22.2	23.8	11.1
17mm55•	17mm55-D•	17	82.5	23.8	23.8	11.1
18mm55	18mm55-D•	18	82.5	25.4	25.4	11.1
19mm55•	-	19	82.5	26.3	26.3	11.9
21mm55	21mm55-D•	21	88.9	28.6	28.6	13.5
22mm55•	22mm55-D•	22	88.9	30.2	31.7	14.3
24mm55	24mm55-D•	24	88.9	33.3	33.3	15.9
26mm55•	-	26	88.9	34.9	34.9	15.9
27mm55	27mm55-D	27	88.9	36.5	38.1	17.5
29mm55•	-	29	88.9	38.1	38.1	19.1
30mm55•	-	30	88.9	39.7	41.1	19.1
32mm55•	-	32	88.9	42.9	42.9	20.6

Magnetic, Standard Length



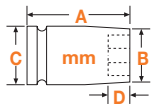
Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-10mm15	10	38.1	16.7	23.8	6.4
M-11mm15•	11	38.1	17.5	23.8	7.2
M-12mm15•	12	38.1	19.1	23.8	7.2
M-13mm15•	13	38.1	22.2	23.8	8.7
M-14mm15•	14	38.1	22.2	23.8	11.1
M-15mm15•	15	38.1	23.8	23.8	11.1
M-16mm15•	16	38.1	25.4	25.4	11.1
M-17mm15•	17	38.1	28.6	28.6	11.1
M-18mm15•	18	38.1	28.5	28.5	11.1
M-19mm15•	19	38.1	28.6	28.6	11.9
M-21mm15•	21	38.1	31.7	31.7	13.5

Magnetic, Thin Wall, Standard Length



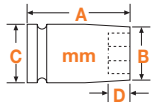
Part Number Fixed Magnet	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-13mm45•	13	38.1	18.7	23.8	8.7
M-14mm45	14	38.1	20.6	23.8	11.1
M-15mm45•	15	38.1	22.2	23.8	11.1

Magnetic, Long Length



Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	MB-10mm25•	10	57.1	16.7	23.8	6.4
-	MB-12mm25•	12	57.1	19.1	23.8	7.2
M-13mm25•	MB-13mm25•	13	57.1	22.2	23.8	8.7
-	MB-14mm25•	14	57.1	22.2	23.8	11.1
M-15mm25•	MB-15mm25	15	57.1	23.8	23.8	11.1
-	MB-16mm25	16	57.1	25.4	25.4	11.1
M-18mm25	MB-18mm25•	18	57.1	28.6	28.5	11.1

Magnetic, Extra Long Length



Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
M-13mm35	-	13	82.5	22.2	23.8	8.7
M-13mm55*•	-	13	82.5	18.7	23.8	8.7
M-15mm35•	MB-15mm35	15	82.5	23.8	23.8	11.1
M-18mm35•	MB-18mm35•	18	82.5	28.6	28.6	11.1
M-18mm55*•	-	18	82.5	25.4	25.4	11.1

**Thin Wall*

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/2” Square Drive Sockets, Metric

Surface Drive, Standard Length

Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm15•	10	38.1	16.7	23.8	6.4
SF-11mm15•	11	38.1	17.5	23.8	7.2
SF-12mm15•	12	38.1	19.1	23.8	7.2
SF-13mm15•	13	38.1	22.2	23.8	8.7
SF-14mm15•	14	38.1	22.2	23.8	11.1
SF-15mm15•	15	38.1	23.8	23.8	11.1
SF-16mm15•	16	38.1	25.4	25.4	11.1
SF-17mm15•	17	38.1	28.6	28.6	11.1
SF-18mm15•	18	38.1	28.6	28.6	11.1
SF-19mm15•	19	38.1	28.6	28.6	11.9
SF-20mm15•	20	38.1	31.7	31.7	11.9
SF-21mm15•	21	38.1	31.7	31.7	13.5
SF-22mm15	22	38.1	33.3	33.3	14.3
SF-23mm15•	23	38.1	34.9	34.9	15.9
SF-24mm15•	24	38.1	34.9	34.9	15.9

Surface Drive, Thin Wall, Standard Length

Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm45•	10	38.1	15.9	23.8	6.4
SF-11mm45	11	38.1	16.7	23.8	7.2
SF-12mm45	12	38.1	17.5	23.8	7.2
SF-13mm45•	13	38.1	18.7	23.8	8.7
SF-14mm45•	14	38.1	20.6	23.8	11.1
SF-15mm45•	15	38.1	22.2	23.8	11.1
SF-16mm45•	16	38.1	22.2	23.8	11.1
SF-17mm45•	17	38.1	23.8	23.8	11.1
SF-18mm45•	18	38.1	25.4	25.4	11.1
SF-19mm45	19	38.1	26.3	26.3	11.9
SF-21mm45•	21	38.1	28.6	28.6	11.9

Surface Drive, Long Length

Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm25•	10	57.1	16.7	23.8	6.4
SF-11mm25•	11	57.1	17.5	23.8	7.2
SF-12mm25•	12	57.1	19.1	23.8	7.2
SF-13mm25•	13	57.1	22.2	23.8	7.2
SF-14mm25•	14	57.1	22.2	23.8	11.1
SF-15mm25•	15	57.1	23.8	23.8	11.1
SF-16mm25•	16	57.1	25.4	25.4	11.1
SF-17mm25•	17	57.1	28.6	28.6	11.1
SF-18mm25•	18	57.1	28.6	28.6	11.1
SF-19mm25•	19	57.1	28.6	28.6	11.9
SF-21mm25	21	57.1	31.7	31.7	13.5
SF-22mm25•	22	57.1	33.3	33.3	14.3
SF-24mm25•	24	57.1	34.9	34.9	15.9

Surface Drive, Extra Long Length

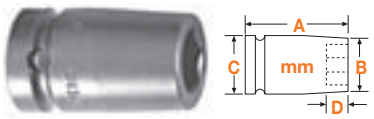
Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm35•	10	82.5	16.7	23.8	6.4
SF-12mm35•	12	82.5	17.5	23.8	7.2
SF-13mm35•	13	82.5	19.1	23.8	7.2
SF-14mm35•	14	82.5	22.2	23.8	11.1
SF-15mm35•	15	82.5	23.8	23.8	11.1
SF-16mm35•	16	82.5	25.4	25.4	11.1
SF-17mm35•	17	82.5	28.6	28.6	11.1
SF-18mm35•	18	82.5	28.6	28.6	11.1
SF-19mm35•	19	82.5	28.6	28.6	11.9
SF-21mm35	21	88.9	31.7	31.7	13.5
SF-22mm35•	22	88.9	33.3	33.3	14.3
SF-24mm35•	24	88.9	34.9	34.9	15.9

Surface Drive, Thin Wall, Extra Long Length

Part Number Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-10mm55•	10	82.5	15.9	23.8	6.4
SF-11mm55•	11	82.5	16.7	23.8	7.2
SF-13mm55	13	82.5	18.7	23.8	8.7
SF-14mm55•	14	82.5	20.6	23.8	11.1
SF-15mm55•	15	82.5	22.2	23.8	11.1
SF-16mm55•	16	82.5	22.2	23.8	11.1
SF-17mm55	17	82.5	23.8	23.8	11.1
SF-18mm55	18	82.5	25.4	25.4	11.1
SF-19mm55•	19	82.5	26.3	26.3	11.9
SF-21mm55	21	88.9	28.6	28.6	13.5
SF-22mm55	22	88.9	30.2	31.7	15.9

1/2” Sq. Dr. Sockets For Metric Sheet Metal Screws

6 Point & 6 Point Magnetic, For Regular Screws



Part Number 6 Point	Part Number Magnetic	Hex Opening mm.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	M-13mmE5	13	38.1	22.2	23.8	8.7
15mmE5	M-15mmE5	15	38.1	23.8	23.8	11.1

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

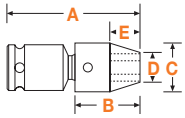
1/2” Sq. Dr. Socket Sets, Metric

6 Point

APS511M•	11 piece, standard length: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm

1/2” Sq. Dr. Universal Wrenches, Metric

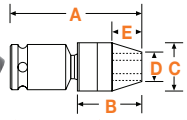
6 Point



Part Number 6 Point	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (D) mm	Clearance Depth (E) mm
SA-57-13m•	13	58	25.4	22.2	17.5	11.9
SA-57-14m•	14	60	27.0	22.2	19.1	13.5
SA-58-15m•	15	62	28.6	25.4	19.8	14.3
SA-58-16m•	16	64	30.2	25.4	21.4	15.9
SA-58-17m•	17	66	31.8	25.4	25.4	17.5
SA-58-18m•	18	66	31.8	25.4	25.4	17.5
SA-510-19m	19	73	34.9	31.8	26.2	16.3
SA-510-20m	20	73	34.9	31.8	27.0	16.3
SA-510-21m•	21	73	34.9	31.8	28.6	16.3
SA-510-22m•	22	73	34.9	31.8	31.8	16.3
SA-510-24m	24	73	34.9	31.8	34.9	16.3

1/2” Sq. Dr. IronBand™ Univ. Wrenches, Metric

6 Point



Part Number	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (D) mm	Clearance Depth (E) mm
SA-C-57-13M•	13	58	25.4	22.2	17.5	11.9
SA-C-57-14M•	14	60	27.0	22.2	19.1	13.5
SA-C-58-15M•	15	62	28.6	25.4	19.8	14.3
SA-C-58-16M•	16	64	30.2	25.4	21.4	15.9
SA-C-58-17M•	17	66	31.8	25.4	25.4	17.5
SA-C-58-18M•	18	66	31.8	25.4	25.4	17.5
SA-C-510-21M•	21	73	34.9	31.8	28.6	16.3
SA-C-510-22M•	22	73	34.9	31.8	31.8	16.3

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

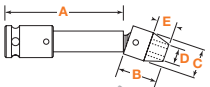
1/2” Sq. Dr. Universal Wrench Set, Metric

6 Point

APU56M•	6 piece, standard length: 13mm, 14mm, 15mm, 16mm, 17mm, 18mm

1/2” Sq. Dr. Universal Wrenches, Metric – Extension

6 Point, Standard and Tension Type



Tension Type

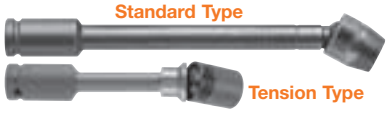
Standard Type

Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (D) mm	Clearance Depth (E) mm
-	KN-7-12m-6•	12	152	23.8	22.2	17.5	10.3
-	KN-7-12m-9	12	229	23.8	22.2	17.5	10.3
KH-7-13m-3•	-	13	76	25.4	22.2	17.5	11.9
KH-7-13m-4•	-	13	102	25.4	22.2	17.5	11.9
KH-7-13m-6•	KN-7-13m-6•	13	152	25.4	22.2	17.5	11.9
KH-7-13m-9•	KN-7-13m-9•	13	229	25.4	22.2	17.5	11.9
-	KN-7-13m-12	13	305	25.4	22.2	17.5	11.9
KH-7-14m-6•	KN-7-14m-6•	14	152	27.0	22.2	19.1	13.5
-	KN-7-14m-9•	14	229	27.0	22.2	19.1	13.5
KH-8-15m-3•	-	15	76	28.6	25.4	19.8	14.3
KH-8-15m-6•	KN-8-15m-6•	15	152	28.6	25.4	19.8	14.3
KH-8-15m-9•	KN-8-15m-9•	15	229	28.6	25.4	19.8	14.3
-	KN-8-15m-12•	15	305	28.6	25.4	19.8	14.3
KH-8-16m-3•	-	16	76	30.2	25.4	21.4	15.9
KH-8-16m-4•	-	16	102	30.2	25.4	21.4	15.9
KH-8-16m-9•	KN-8-16m-9	16	229	30.2	25.4	21.4	15.9
KH-8-16m-12	KN-8-16m-12	16	305	30.2	25.4	21.4	15.9
KH-8-17m-3•	-	17	76	31.8	25.4	25.4	17.5
KH-8-17m-4•	-	17	102	31.8	25.4	25.4	17.5
KH-8-17m-6•	KN-8-17m-6•	17	152	31.8	25.4	25.4	17.5
KH-8-17m-9•	KN-8-17m-9•	17	229	31.8	25.4	25.4	17.5
KH-8-18m-3•	-	18	76	31.8	25.4	25.4	17.5
KH-8-18m-4•	-	18	102	31.8	25.4	25.4	17.5
KH-8-18m-6•	KN-8-18m-6•	18	152	31.8	25.4	25.4	17.5
KH-8-18m-9•	KN-8-18m-9•	18	229	31.8	25.4	25.4	17.5
-	KN-8-18m-12	18	305	31.8	25.4	25.4	17.5
KH-10-19m-3	-	19	76	34.9	31.8	26.2	16.3
KH-10-19m-6	-	19	152	34.9	31.8	26.2	16.3
KH-10-19m-9	-	19	229	34.9	31.8	26.2	16.3
KH-10-19m-12	-	19	305	34.9	31.8	26.2	16.3

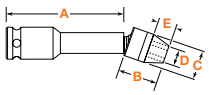
Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2” Sq. Dr. IronBand™ Univ. Wrenches, Metric – Extension

6 Point


Standard Type

Tension Type

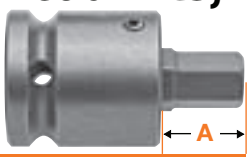


Part Number Standard	Part Number Tension	Hex Open. mm	OA L. (A) mm	Soc. L. (B) mm	Soc. Dia. (C) mm	Nose Dia. (D) mm	Clear. Depth (E) mm
KHW-C-7-13m-6•	KNW-C-7-13m-6•	13	152	25.4	22.2	17.5	11.9
KHW-C-7-13m-9•	KNW-C-7-13m-9•	13	229	25.4	22.2	17.5	11.9
KHW-C-7-14m-6•	KNW-C-7-14m-6•	14	152	27.0	22.2	19.1	13.5
KHW-C-8-15m-6•	KNW-C-8-15m-6•	15	152	28.6	25.4	19.8	14.3
KHW-C-8-15m-9•		15	229	28.6	25.4	19.8	14.3
	KNW-C-8-15m-12•	15	305	28.6	25.4	19.8	14.3
KHW-C-8-16m-9•	KNW-C-8-16m-9	16	229	30.2	25.4	21.4	15.9
KHW-C-8-17m-6•	KNW-C-8-17m-6•	17	152	31.8	25.4	25.4	17.5
KHW-C-8-17m-9•	KNW-C-8-17m-9•	17	229	31.8	25.4	25.4	17.5
KHW-C-8-18m-6•	KNW-C-8-18m-6•	18	152	31.8	25.4	25.4	17.5
KHW-C-8-18m-9•	KNW-C-8-18m-9•	18	229	31.8	25.4	25.4	17.5

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/2" Sq. Dr. Socket Head Bits, Metric

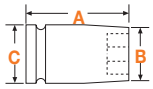


Complete, Adapter Only, Insert Only

Part Number			Hex Size	Overall Length		Length of Insert (A)	
Complete	Adapter Only	Insert Only		In.	mm	In.	mm
SZ-5-7-8mm•	SC-514•	SZ-7-8mm•	8mm	2 1/2	64	1 3/8	35
SZ-5-7-10mm	SC-514•	SZ-7-10mm•	10mm	2 1/2	64	1 3/8	35
SZ-5-7-12mm	SC-514•	SZ-7-12mm•	12mm	2 1/2	64	1 3/8	35
SZ-5-7-14mm	SC-514•	SZ-7-14mm•	14mm	2 1/2	64	1 3/8	35
SZ-5-10-14mm	RP-520•	SZ-10-14mm•	14mm	2 1/2	64	1 9/16	40
SZ-5-10-17mm	RP-520•	SZ-10-17mm•	17mm	2 1/2	64	1 9/16	40

For a complete listing, see page 20.

1/2" Sq. Dr. Sockets For Spline Fasteners

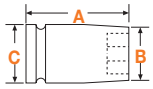


Standard & Long Length

Part Number	Spline Size	Nominal Size	Overall Length (A)		Diameter Nose End (B)		Diameter Drive End (C)	
			In.	mm	In.	mm	In.	mm
CMS-5416	16	1/2	1 1/4	32	23/32	18	7/8	22
CMS-5422	22	11/16	1 1/2	38	31/32	25	31/32	25
CMS-5426	26	13/16	1 1/2	38	1 1/8	29	1 1/8	29
CMS-5430	30	15/16	1 1/2	38	1 1/4	32	1 1/4	32

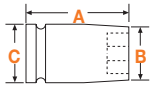
Apex spline sockets conform to military specifications MS-37787 and MIL-W-8982C.

1/2" Sq. Dr. Torx® Sockets



For External Torx Screws

Part Number	Driver Size	Overall Length (A)		Diameter Nose End (B)		Diameter Drive End (C)	
		In.	mm	In.	mm	In.	mm
TX-5110	E-10	1 1/2	38	9/16	13	1	25
TX-5112•	E-12	1 1/2	38	5/8	16	1	25
TX-5114•	E-14	1 1/2	38	11/16	18	1	25
TX-5116•	E-16	1 1/2	38	13/16	21	1	25
TX-5118	E-18	1 1/2	38	7/8	22	1	25
TX-5120	E-20	1 1/2	38	1	25	1 3/16	30
TX-5124	E-24	1 1/2	38	1 5/16	33	1 5/16	33



For External Torx Screws, Thin Wall

Part Number	Driver Size	Overall Length (A)		Diameter Nose End (B)		Diameter Drive End (C)	
		In.	mm	In.	mm	In.	mm
TX-5408•	E-8	1 1/2	38	3/8	10	7/8	22
TX-5410•	E-10	1 1/2	38	1/2	13	7/8	22
TX-5412•	E-12	1 1/2	38	9/16	14	7/8	22
TX-5414•	E-14	1 1/2	38	5/8	16	7/8	22
TX-5416•	E-16	1 1/2	38	7/8	22	7/8	22
TX-5418•	E-18	1 1/2	38	15/16	24	15/16	24
TX-5420•	E-20	1 1/2	38	1 1/16	27	1 1/16	27

1/2" Sq. Dr. Extensions

1 23/32" to 18" (44amm to 457mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length	
			In.	mm
EX-504•	1/2	Pin	1 23/32	44
EX-504-B•	1/2	Ball	1 23/32	44
EX-508-2•	1/2	Pin	2	51
EX-508-B-2•	1/2	Ball	2	51
EX-508-3•	1/2	Pin	3	76
EX-508-B-3•	1/2	Ball	3	76
EX-508-4•	1/2	Pin	4	102
EX-508-B-4•	1/2	Ball	4	102
EX-508-5•	1/2	Pin	5	127
EX-508-B-5•	1/2	Ball	5	127
EX-508-6•	1/2	Pin	6	152
EX-508-B-6•	1/2	Ball	6	152
EX-508-8•	1/2	Pin	8	203
EX-508-B-8•	1/2	Ball	8	203
EX-508-9	1/2	Pin	9	229
EX-508-B-9•	1/2	Ball	9	229
EX-508-10•	1/2	Pin	10	254
EX-508-B-10•	1/2	Ball	10	254
EX-508-12•	1/2	Pin	12	305
EX-508-B-12•	1/2	Ball	12	305
EX-508-15	1/2	Pin	15	381
EX-508-B-15•	1/2	Ball	15	381
EX-508-16•	1/2	Pin	16	406
EX-508-18•	1/2	Pin	18	457

1/2" Sq. Dr. Adapters

1/4" to 5/8" Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length	
				In.	mm
EX-260	1/4	1/2	Pin	1 1/2	38
EX-260-B	1/4	1/2	Ball	1 1/2	38
EX-258-B-2•	1/4	1/2	Ball	2	51
EX-258-4	1/4	1/2	Pin	4	102
EX-375•	3/8	1/2	Pin	1 1/2	38
EX-375-B•	3/8	1/2	Ball	1 1/2	38
EX-377-2	3/8	1/2	Pin	2	51
EX-377-B-2•	3/8	1/2	Ball	2	51
EX-377-3•	3/8	1/2	Pin	3	76
EX-377-B-3•	3/8	1/2	Ball	3	76
EX-377-4•	3/8	1/2	Pin	4	102
EX-377-B-4•	3/8	1/2	Ball	4	102
EX-377-5	3/8	1/2	Pin	5	127
EX-377-B-5•	3/8	1/2	Ball	5	127
EX-377-6•	3/8	1/2	Pin	6	152
EX-377-B-6•	3/8	1/2	Ball	6	152
EX-377-8•	3/8	1/2	Pin	8	203
EX-377-B-9•	3/8	1/2	Ball	9	229
EX-377-10	3/8	1/2	Pin	10	254
EX-377-B-10•	3/8	1/2	Ball	10	254
EX-377-12	3/8	1/2	Pin	12	305
EX-377-B-12•	3/8	1/2	Ball	12	305
EX-377-15•	3/8	1/2	Pin	15	381

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1/2” Sq. Dr. Adapters

5/8” to 3/4” Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-623•	5/8	1/2	Pin	1 1/2	38
EX-623-B	5/8	1/2	Ball	1 1/2	38
EX-626-3•	5/8	1/2	Pin	3	76
EX-751•	3/4	1/2	7/32 drill hole	1 13/16	46
EX-751-B•	3/4	1/2	Ball	1 13/16	46

1/2” Sq. Dr. Universal Adapters

3/8” to 3/4” Male Square

Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter in.	Largest Diameter mm
MF-39•	3/8	1/2	Pin	2 9/16	65	7/8	22
MF-39B•	3/8	1/2	Ball	2 9/16	65	7/8	22
MF-50•	1/2	1/2	Pin	2 11/16	68	1	25
MF-50B•	1/2	1/2	Ball	2 11/16	68	1	25
MF-55•	1/2	1/2	Pin	3 1/16	78	1 1/4	32
MF-55B	1/2	1/2	Ball	3 1/16	78	1 1/4	32
MF-70	3/4	1/2	7/32 drill hole	3 5/8	92	1 1/2	38
MF-70B	3/4	1/2	Ball	3 5/8	92	1 1/2	38

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

1/2” Sq. Dr. Universal Adapters – Extension

(Standard Type Shown)

1/2” Male Square

Part Number Standard	Part Number Tension	Male Sq. In.	Female Sq. In.	Type of Lock	Largest Dia. In.	Largest Dia. mm
KHM-37-6•	KNM-37-6	3/8	1/2	Pin	3/4	19
KHM-38-6	KNM-38-6•	3/8	1/2	Pin	7/8	22
KHM-50-6•	KNM-50-6•	1/2	1/2	Pin	1	25
KHM-50-B-6•	KNM-50-B-6	1/2	1/2	Ball	1	25

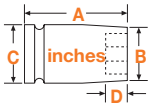
Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.
Standard lengths are 3”, 6”, 9” and 12” (76, 152, 229 and 305mm)

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture “specials” to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

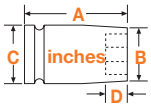
5/8” Square Drive Sockets, SAE

6 Point & Double Hex, Standard Length



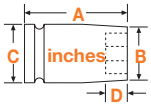
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
6118	-	9/16	1 7/8	7/8	1 1/4	7/16
6120	6120-D	5/8	1 7/8	1	1 1/4	7/16
6122	-	11/16	1 7/8	1 1/8	1 1/4	7/16
6124	-	3/4	1 7/8	1 1/4	1 1/4	15/32
6128	-	7/8	1 7/8	1 3/8	1 3/8	9/16
6134	-	1 1/16	2	1 5/8	1 5/8	11/16
6136	-	1 1/8	2	1 5/8	1 5/8	3/4
6140	-	1 1/4	2	1 7/8	1 7/8	13/16
6142	-	1 5/16	2	2	2	13/16
6144	-	1 3/8	2 1/8	2	2	13/16
6146	-	1 7/16	2 1/8	2 1/8	2 1/8	15/16
6148	-	1 1/2	2 1/4	2 1/8	2 1/8	1

6 Point & Double Hex, Thin Wall Standard Length



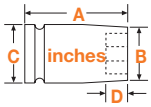
Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
6426	13/16	1 7/8	1 1/8	1 1/4	17/32
6430	15/16	2	1 5/16	1 5/16	5/8

6 Point & Double Hex, Extra Long Length



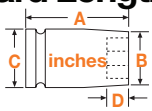
Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
6320	5/8	3 1/2	1	1 1/4	7/16
6322	11/16	3 1/2	1 1/8	1 1/4	7/16
6324	3/4	3 1/2	1 1/4	1 1/4	15/32
6326	13/16	3 1/2	1 1/4	1 1/4	17/32
6330	15/16	3 1/2	1 1/2	1 1/2	5/8
6336	1 1/8	3 1/2	1 5/8	1 5/8	3/4
6340	1 1/4	3 1/2	1 7/8	1 7/8	13/16
6342	1 5/16	3 1/2	2	2	13/16
6344	1 3/8	3 1/2	2	2	13/16
6348	1 1/2	3 1/2	2 1/8	2 1/8	1

6 Point & Double Hex, Thin Wall, Extra Long Length



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	6520-D	5/8	3 1/2	15/16	1 1/4	7/16
6524	6524-D	3/4	3 1/2	1 1/16	1 1/4	15/32
-	6528-D	7/8	3 1/2	1 3/16	1 1/4	9/16

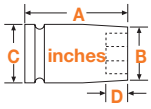
Surface Drive & Fast Lead, Standard Length



Part No. Surface Drive	Part No. Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-6118	-	9/16	1 7/8	7/8	1 1/4	7/16
SF-6120	-	5/8	1 7/8	1	1 1/4	7/16
SF-6124	FL-6124•	3/4	1 7/8	1 1/4	1 1/4	15/32
SF-6424*	-	3/4	1 7/8	1 1/16	1 1/4	15/32
SF-6128	FL-6128	7/8	1 7/8	1 3/8	1 3/8	9/16

**Thin Wall*

Surface Drive & Fast Lead, Thin Wall, Extra Long Length



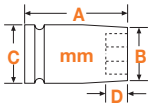
Part No. Surface Drive	Part No. Fast Lead	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
SF-6320•	-	5/8	3 1/2	1	1 1/4	7/16
SF-6324	FL-6324•	3/4	3 1/2	1 1/4	1 1/4	15/32
SF-6524*	-	3/4	3 1/2	1 1/16	1 1/4	15/32
SF-6326	-	13/16	3 1/2	1 1/4	1 1/4	17/32
SF-6328	-	7/8	3 1/2	1 3/8	1 3/8	9/16
SF-6330	-	15/16	3 1/2	1 1/2	1 1/2	5/8

**Thin Wall*

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

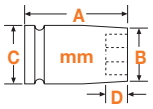
5/8" Sq. Dr. Sockets, Metric

6 Point & Surface Drive, Standard Length



Part Number 6 Point	Part No. Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	SF-15mm16	15	48	23.8	31.8	11.1
16mm16	SF-16mm16	16	48	25.4	31.8	11.1
17mm16•	SF-17mm16•	17	48	28.6	31.8	11.1
18mm16•	SF-18mm16•	18	48	28.5	31.8	11.1
-	SF-19mm16•	19	48	31.8	31.8	11.9
21mm16•	SF-21mm16	21	48	31.8	31.8	13.5
-	SF-22mm16	22	48	34.9	34.9	14.3
24mm16	SF-24mm16	24	51	38.1	38.1	15.9

6 Point & Surface Drive, Extra Long Length



Part Number 6 Point	Part No. Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	SF-15mm36	15	89	23.8	31.8	11.1
17mm36	-	17	89	25.4	31.8	11.1
-	SF-18mm36	18	89	28.6	31.8	11.1
19mm36•	SF-19mm36•	19	89	31.8	31.8	11.9
21mm36•	SF-21mm36•	21	89	31.8	31.8	13.5
-	SF-22mm36	22	89	34.9	34.9	14.3
24mm36	SF-24mm36	24	89	38.1	38.1	15.9

5/8" Sq. Dr. Extensions

1 7/8" to 15" (48mm to 381mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-624	5/8	Pin	1 7/8	48
EX-624-B	5/8	Ball	1 7/8	48
EX-627-3	5/8	Pin	3	76
EX-627-4	5/8	Pin	4	102
EX-627-6	5/8	Pin	6	152
EX-627-8	5/8	Pin	8	203
EX-627-10	5/8	Pin	10	254
EX-627-12•	5/8	Pin	12	305

5/8" Sq. Dr. Adapters

1/2" to 3/4" Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-505•	1/2	5/8	Pin	1 7/8	48
EX-505-B	1/2	5/8	Ball	1 7/8	48
EX-509-3	1/2	5/8	Pin	3	76
EX-509-4	1/2	5/8	Pin	4	102
EX-509-5	1/2	5/8	Pin	5	127
EX-509-6	1/2	5/8	Pin	6	152
EX-509-10	1/2	5/8	Pin	10	254
EX-509-12	1/2	5/8	Pin	12	305
EX-752	3/4	5/8	7/32 Drill Hole	1 7/8	48
EX-752-B	3/4	5/8	Ball	1 7/8	48

5/8" Sq. Dr. Universal Adapters

1/2" to 5/8" Male Square

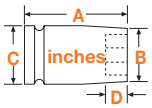
Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter in.	Largest Diameter mm
MF-51•	1/2	5/8	Pin	3 5/16	84	1 1/4	32
MF-62	5/8	5/8	Pin	3 1/4	83	1 1/4	32
MF-62B	5/8	5/8	Ball	3 1/4	83	1 1/4	32

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

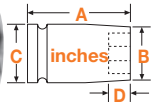
3/4” Square Drive Sockets, SAE

6 Point & Double Hex, Standard Length



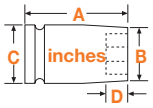
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7120•	7120-D	5/8	2	1 1/16	1 1/2	7/16
7122	7122-D•	11/16	2	1 1/8	1 1/2	7/16
7124•	7124-D•	3/4	2	1 1/4	1 1/2	15/32
7128	7128-D•	7/8	2	1 1/2	1 1/2	9/16
7130•	7130-D	15/16	2	1 1/2	1 1/2	5/8
7132	7132-D	1	2	1 5/8	1 5/8	5/8
7134	7134-D•	1 1/16	2	1 3/4	1 3/4	11/16
7136	7136-D	1 1/8	2 1/8	1 3/4	1 3/4	3/4
7140•	7140-D	1 1/4	2 1/8	2	1 3/4	13/16
7142	7142-D	1 5/16	2 1/8	2	1 3/4	13/16
7144	-	1 3/8	2 1/8	2 1/8	2 1/8	13/16
7146	-	1 7/16	2 1/4	2 1/4	2 1/8	15/16
7148•	7148-D	1 1/2	2 1/4	2 1/4	2 1/8	1
7152	7152-D	1 5/8	2 1/4	2 1/2	2 1/8	1 1/8
7154	7154-D	1 11/16	2 1/4	2 1/2	2 1/8	1 1/8
7156	-	1 3/4	2 1/4	2 5/8	2 1/8	1 1/8
7158	-	1 13/16	2 1/4	2 3/4	2 1/8	1 1/4
7160	7160-D	1 7/8	2 1/4	2 3/4	2 1/8	1 1/4
7164	7164-D	2	2 3/8	2 7/8	2 1/8	1 3/8
7168	-	2 1/8	2 3/8	3 1/8	2 1/8	1 3/8
7170	7170-D	2 3/16	2 1/2	3 1/8	2 1/8	1 1/2
7172	7172-D	2 1/4	2 1/2	3 1/4	2 1/8	1 1/2
7176	-	2 3/8	2 5/8	3 1/2	2 1/8	1 5/8
7180	7180-D•	2 1/2	2 5/8	3 1/2	2 1/8	1 5/8

6 Point & Double Hex, Thin Wall Standard Length



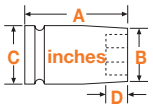
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7424•	7424-D•	3/4	2	1 1/8	1 3/8	15/32
7426•	-	13/16	2	1 1/4	1 3/8	17/32
7428	7428-D	7/8	2	1 5/16	1 3/8	9/16
7430	7430-D	15/16	2	1 3/8	1 3/8	5/8
7432	-	1	2	1 7/16	1 7/16	5/8
7434•	-	1 1/16	2	1 1/2	1 1/2	11/16
7436	-	1 1/8	2 1/8	1 5/8	1 5/8	3/4
7438•	-	1 3/16	2 1/8	1 5/8	1 5/8	3/4
7442•	7442-D	1 5/16	2 1/8	1 7/8	1 3/4	13/16
7446•	-	1 7/16	2 1/4	2	1 3/4	15/16
7448	-	1 1/2	2 1/4	2 1/8	2 1/8	1
7454	-	1 11/16	2 1/4	2 3/8	2 1/8	1 1/8
7456	-	1 3/4	2 1/4	2 7/16	2 1/8	1 1/8

6 Point & Double Hex, Extra Long Length



Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7324SKT	7324-D	3/4	4	1 1/4	1 1/2	15/32
7328•	-	7/8	4	1 7/16	1 1/2	9/16
7330	7330-D	15/16	4	1 1/2	1 1/2	5/8
7332	7332-D	1	4	1 1/2	1 1/2	5/8
7334•	-	1 1/16	4	1 5/8	1 5/8	11/16
7336	7336-D•	1 1/8	4	1 3/4	1 3/4	3/4
7340•	-	1 1/4	4	1 7/8	1 3/4	13/16
7342	-	1 5/16	4	2	1 3/4	13/16
7346	-	1 7/16	4	2 1/8	2 1/8	15/16
7348	-	1 1/2	4	2 1/4	2 1/8	1
7352	-	1 5/8	4	2 1/2	2 1/8	1 1/8
7356	-	1 3/4	4	2 5/8	2 1/8	1 1/8
7358	-	1 13/16	4	2 3/4	2 1/8	1 1/4
7360	-	1 7/8	4	2 3/4	2 1/8	1 1/4
7362	-	1 15/16	4	2 3/4	2 1/8	1 1/4
7364	-	2	4 1/8	2 7/8	2 1/8	1 3/8
7372	-	2 1/4	4 1/4	3 1/4	2 1/8	1 1/2

6 Point & Double Hex, Thin Wall, Extra Long Length

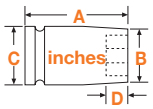


Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7524•	-	3/4	4	1 1/8	1 3/8	15/32
7528•	-	7/8	4	1 3/8	1 3/8	9/16
7530•	7530-D	15/16	4	1 3/8	1 3/8	5/8
7536	7536-D	1 1/8	4	1 5/8	1 5/8	3/4
7540•	-	1 1/4	4	1 3/4	1 3/4	13/16
7542•	-	1 5/16	4	1 7/8	1 3/4	13/16
7548	-	1 1/2	4	2 1/8	2 1/8	1
7552	-	1 5/8	4	2 1/4	2 1/8	1 1/8
7556•	-	1 3/4	4	2 1/2	2 1/8	1 1/8

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

3/4” Square Drive Sockets For SAE Square Nuts

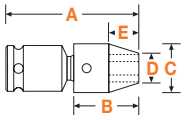
Single Square & Double Square, Standard Length



Part No. Single Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
7624•	3/4	2	1 1/2	1 1/2	15/32
7628	7/8	2	1 3/4	1 3/4	5/8
7630	15/16	2 1/8	1 7/8	1 3/4	5/8
7632	1	2 1/8	2	1 3/4	5/8
7636•	1 1/8	2 1/8	2 1/8	2 1/8	3/4

3/4” Square Drive Universal Wrenches, SAE

6 Point

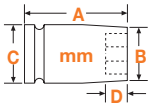


Part Number 6 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-535	15/16	3 25/32	1 3/4	1 1/2	1 3/8	29/32
SA-601	15/16	4 1/32	1 15/16	1 3/4	1 1/2	29/32
SA-537	1 1/16	3 29/32	1 7/8	1 5/8	1 5/8	1 1/32
SA-603•	1 1/16	4 3/32	2	1 3/4	1 5/8	31/32
SA-538	1 1/8	3 29/32	1 7/8	1 5/8	1 5/8	1 1/32
SA-604•	1 1/8	4 5/32	2 1/16	1 3/4	1 3/4	1 1/32
SA-606	1 1/4	4 7/32	2 1/8	1 7/8	1 7/8	1 3/32
SA-607•	1 5/16	4 7/32	2 1/8	1 7/8	1 7/8	1 3/32
SA-609•	1 7/16	4 11/32	2 1/4	2 1/8	2 1/8	1 5/32
SA-610•	1 1/2	4 11/32	2 1/4	2 1/4	2 1/4	1 5/32
SA-712	1 5/8	4 11/32	2 3/8	2 3/8	2 3/8	1 3/16
SA-716•	1 7/8	4 11/32	2 3/8	2 5/8	2 5/8	1 3/16

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.

3/4" Sq. Dr. Sockets, Metric

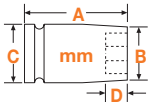
6 Point, Standard Length



Part Number 6 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
17mm17•	17	51	31.8	38.1	11.2
18mm17•	18	51	31.8	38.1	11.2
19mm17•	19	51	31.8	38.1	11.9
20mm17•	20	51	33.3	38.1	11.9
21mm17•	21	51	34.9	38.1	13.5
22mm17	22	51	38.1	38.1	14.3
22mm47*•	22	51	33.3	34.9	14.3
24mm17•	24	51	38.1	38.1	15.9
24mm47*•	24	51	34.9	34.9	15.9
26mm17•	26	51	41.3	41.3	15.9
27mm17	27	51	44.4	44.4	17.5
27mm47*	27	51	38.1	38.1	17.5
29mm17•	29	54	47.6	44.4	19.1
30mm17•	30	54	47.6	44.4	19.1
30mm47*	30	54	41.3	41.3	19.1
32mm17	32	54	50.8	44.4	20.6
32mm47*	32	54	44.4	44.4	20.6
33mm17•	33	54	50.8	44.4	20.6
36mm17	36	57	57.1	54.0	23.8
37mm17	37	57	57.1	54.0	23.8
41mm17	41	57	63.5	54.0	31.8
46mm17•	46	57	69.9	54.0	31.8

**Thin Wall*

6 Point, Extra Long Length



Part Number 6 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
21mm37	21	102	34.9	38.1	13.5
21mm57*	21	102	34.9	34.9	13.5
22mm57*•	22	102	34.9	34.9	14.3
24mm37•	24	102	38.1	38.1	15.9
24mm57*	24	102	34.9	34.9	15.9
25mm37	25	102	38.1	38.1	15.9
27mm37	27	102	41.3	41.3	17.5
27mm57*	27	101.6	38.1	38.1	17.5
28mm37	28	101.6	44.4	44.4	19.1
29mm37•	29	101.6	44.4	44.4	19.1
30mm37•	30	101.6	44.4	44.4	19.1
30mm57*•	30	101.6	42.9	42.9	19.1
32mm37•	32	101.6	47.6	44.4	20.6
33mm37	33	101.6	50.8	44.4	20.6
34mm37	34	101.6	54.0	54.0	20.6
36mm37	36	101.6	54.0	54.0	23.8
41mm37•	41	101.6	63.5	54.0	28.6

**Thin Wall*

3/4" Sq. Dr. Extensions

2 1/4" to 15" (57mm to 381mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-753•	3/4	7/32 Drill Hole	2 1/4	57
EX-753-B•	3/4	Ball	2 1/4	57
EX-755-4•	3/4	7/32 Drill Hole	4	102
EX-755-B-4•	3/4	Ball	4	102
EX-755-6•	3/4	7/32 Drill Hole	6	152
EX-755-B-6•	3/4	Ball	6	152
EX-755-8•	3/4	7/32 Drill Hole	8	203
EX-755-B-8•	3/4	Ball	8	203
EX-755-10	3/4	7/32 Drill Hole	10	254
EX-755-12	3/4	7/32 Drill Hole	12	305
EX-755-B-12	3/4	Ball	12	305
EX-755-15	3/4	7/32 Drill Hole	15	381
EX-755-B-15•	3/4	Ball	15	381

3/4" Sq. Dr. Adapters

1/2" to 1" Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-506	1/2	3/4	Pin	2	51
EX-506-B•	1/2	3/4	Ball	2	51
EX-510-3	1/2	3/4	Pin	3	76
EX-510-B-3•	1/2	3/4	Ball	3	76
EX-510-4	1/2	3/4	Pin	4	102
EX-510-B-4	1/2	3/4	Ball	4	102
EX-510-B-5•	1/2	3/4	Ball	5	127
EX-510-6•	1/2	3/4	Pin	6	152
EX-510-B-6	1/2	3/4	Ball	6	152
EX-510-8	1/2	3/4	Pin	8	203
EX-510-B-8•	1/2	3/4	Ball	8	203
EX-625	5/8	3/4	Pin	2	51
EX-625-B	5/8	3/4	Ball	2	51
EX-628-3•	5/8	3/4	Pin	3	76
EX-1000•	1	3/4	9/32 Drill Hole	2 9/16	65
EX-1000-B•	1	3/4	Ball	2 9/16	65

3/4" Sq. Dr. Universal Adapters

3/4" Male Square

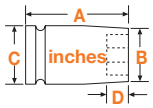
Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
MF-75	3/4	3/4	7/32 Drill Hole	4	102	1 1/2	38
MF-75B	3/4	3/4	Ball	4	102	1 1/2	38
MF-76	3/4	3/4	7/32 Drill Hole	4 3/8	111	1 3/4	45
MF-76B	3/4	3/4	Ball	4 3/8	111	1 3/4	45

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

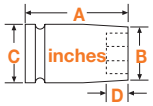
1” Square Drive Sockets, SAE

6 Point & Double Hex, Standard Length



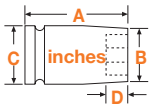
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	8124-D	3/4	2 1/8	1 5/16	2	13/16
8126	-	13/16	2 1/8	1 3/8	2	13/16
-	8128-D	7/8	2 1/8	1 1/2	2	13/16
-	8130-D•	15/16	2 1/8	1 1/2	2	13/16
-	8132-D	1	2 1/8	1 5/8	2	13/16
-	8134-D•	1 1/16	2 1/8	1 11/16	2	13/1
-	8136-D•	1 1/8	2 1/8	1 3/4	2	13/16
8138	8138-D•	1 3/16	2 1/8	2 1/8	2	13/16
-	8140-D•	1 1/4	2 1/8	2 1/8	2 1/8	13/16
8142	8142-D	1 5/16	2 1/8	2 1/8	2 1/8	13/16
-	8144-D	1 3/8	2 1/8	2 1/8	2 1/8	13/16
-	8146-D	1 7/16	2 1/4	2 1/4	2 1/8	15/16
8148	8148-D	1 1/2	2 1/4	2 1/4	2 1/8	15/16
-	8150-D	1 9/16	2 1/4	2 3/8	2 1/8	15/16
8152	-	1 5/8	2 3/8	2 1/2	2 1/8	15/16
8160	-	1 7/8	2 1/2	2 3/4	2 5/8	1 1/16
8162	8162-D	1 15/16	2 1/2	2 7/8	2 5/8	1 1/16
8170	-	2 3/16	2 3/4	3 1/4	3 1/4	1 5/16
8172	-	2 1/4	2 3/4	3 1/4	3 1/4	1 5/16
8174	-	2 5/16	2 3/4	3 3/8	3 1/4	1 3/8
8176	-	2 3/8	2 7/8	3 1/2	3 1/4	1 3/8
8180	-	2 1/2	2 7/8	3 3/4	3 1/4	1 3/8
8186	-	2 11/16	3	4	3 1/4	1 1/2
8188	-	2 3/4	3 1/8	4	3 1/4	1 5/8
8190	-	2 13/16	3 1/8	4	3 1/4	1 5/8

6 Point & Double Hex, Thin Wall Standard Length



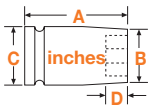
Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	8430-D	15/16	2 1/8	1 7/16	1 7/8	13/16
8432	8432-D	1	2 1/8	1 1/2	1 7/8	13/16
8434	-	1 1/16	2 1/8	1 9/16	1 7/8	13/16
8436	-	1 1/8	2 1/8	1 5/8	1 7/8	13/16
8440•	8440-D	1 1/4	2 1/8	1 13/16	2	13/16
8442	8442-D	1 5/16	2 1/8	1 7/8	2	13/16
-	8444-D	1 3/8	2 1/8	1 15/16	2	13/16
8448	8448-D	1 1/2	2 1/4	2 1/8	2 1/8	15/16
8454	-	1 11/16	2 3/8	2 3/8	2 1/8	15/16
8456	-	1 3/4	2 3/8	2 7/16	2 1/8	1 1/16
8458	-	1 13/16	2 1/2	2 9/16	2 1/8	1 1/16
8460	-	1 7/8	2 1/2	2 5/8	2 5/8	1 1/16
8464	-	2	2 5/8	2 3/4	2 5/8	1 3/16
-	-	2 1/8	2 5/8	2 15/16	2 5/8	1 3/16
8472	-	2 1/4	2 3/4	3 1/8	2 5/8	1 5/16
8480	-	2 1/2	2 7/8	3 3/8	3 1/4	1 7/16

6 Point, Long Length



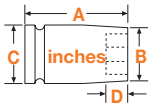
Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
8228	7/8	3	1 7/16	2 1/8	9/16
8236	1 1/8	3	1 3/4	2 1/8	3/4
8240	1 1/4	3	2 1/8	2 1/8	13/16

6 Point, Extra Long Length



Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
8324	3/4	4 1/4	1 1/4	2 1/8	15/32
8326	13/16	4 1/4	1 3/8	2 1/8	17/32
8332	1	4 1/4	1 9/16	2 1/8	5/8
8336	1 1/8	4 1/4	1 3/4	2 1/8	3/4
8338	1 3/16	4 1/4	1 7/8	2 1/8	3/4
8340•	1 1/4	4 1/4	2 1/8	2 1/8	13/16
8342	1 5/16	4 1/4	2 1/8	2 1/8	13/16
8346	1 7/16	4 1/4	2 1/4	2 1/8	15/16
8356	1 3/4	4 1/4	2 5/8	2 5/8	1 1/8
8360	1 7/8	4 1/4	2 3/4	2 5/8	1 1/4
8364	2	4 3/8	2 7/8	2 5/8	1 3/8
8370	2 3/16	4 1/2	3 1/8	2 5/8	1 1/2
8378	2 7/16	4 1/2	3 1/2	3 1/4	1 5/8
8380	2 1/2	4 1/2	3 1/2	3 1/4	1 5/8
8382	2 9/16	4 1/2	3 3/4	3 1/4	1 3/4
8384	2 5/8	4 1/2	3 3/4	3 1/4	1 3/4

6 Point, Thin Wall, Extra Long Length

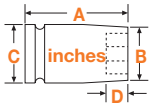


Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
8530	15/16	4 1/4	1 1/2	2 1/8	5/8
8536	1 1/8	4 1/4	1 5/8	2 1/8	3/4
8540•	1 1/4	4 1/4	1 13/16	2 1/8	13/16
8542	1 5/16	4 1/4	1 7/8	2 1/8	13/16

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1” Sq. Dr. Sockets, SAE

Single Square & Double Square, Standard Length



Part No. Single Square	Part No. Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
8624	-	3/4	2 1/8	1 5/8	2	13/16
8632	-	1	2 1/8	2 1/8	2 1/8	13/16
8634	-	1 1/16	2 1/8	2 1/8	2 1/8	13/16
8636	-	1 1/8	2 1/4	2 1/4	2 1/8	15/16
8638	8638-D	1 3/16	2 1/4	2 1/4	2 1/8	15/16
8640	8640-D	1 1/4	2 1/4	2 3/8	2 1/8	15/16
8644	-	1 3/8	2 5/16	2 5/8	2 5/8	1
-	8646-D•	1 7/16	2 3/8	2 5/8	2 5/8	1
8648•	-	1 1/2	2 3/8	2 3/4	2 5/8	1 1/16
-	8652-D	1 5/8	2 1/2	2 7/8	2 5/8	1 1/16

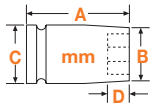
Budd Wheel Sockets

13/16” Square & Combo 13/16” Square 1 1/2” Hex

Part Number	Drive	Overall Length In.	mm	
BW-8626	1” Square	2 1/8	54	13/16” Square
BW-848	1” Square	3 3/4	95	Combo. 13/16 Square—1 1/2” Hex
BW-848-F	1” Square	3 3/4	95	Combo. 13/16 Square—1 1/2” Hex for mag. wheels

1” Sq. Dr. Sockets, Metric

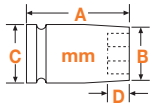
6 Point, Standard Length



Part Number 6 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
21mm18	21	54	34.9	50.8	13.5
24mm18	24	54	38.1	50.8	20.6
27mm18	27	54	42.9	50.8	20.6
29mm18	29	54	47.6	50.8	20.6
30mm18	30	54	50.8	50.8	20.6
30mm48*	30	54	44.4	54.0	20.6
32mm18	32	54	54.0	54.0	20.6
34mm18	34	54	54.0	54.0	20.6
36mm18	36	57	57.1	54.0	23.9
41mm18	41	60	63.5	54.0	23.9
42mm18	42	60	63.5	54.0	23.9
46mm18	46	64	69.8	66.7	26.9
50mm18	50	66	76.2	66.7	30.2

**Thin Wall*

6 Point, Long Length



Part Number 6 Point	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
24mm38	24	108	38.1	54.0	15.9
27mm38	27	108	41.3	54.0	17.5
28mm38	28	108	44.4	54.0	19.1
33mm38	33	108	54.0	54.0	20.6
36mm38	36	108	54.0	54.0	23.8
37mm38	37	108	57.1	54.0	23.8
46mm38	46	108	69.8	66.7	31.8
50mm38	50	111	73.0	66.7	34.9

1” Sq. Dr. Extensions

2 13/16” to 15” (71mm to 381mm) Length

Part Number	Male Square In.	Type of Lock	Overall Length In.	mm
EX-1001•	1	9/32 Drill Hole	2 13/16	71
EX-1001-B	1	Ball	2 13/16	71
EX-1003-4	1	9/32 Drill Hole	4	102
EX-1003-B-4	1	Ball	4	102
EX-1003-6	1	9/32 Drill Hole	6	152
EX-1003-B-6	1	Ball	6	152
EX-1003-8	1	9/32 Drill Hole	8	203
EX-1003-B-8	1	Ball	8	203
EX-1003-10	1	9/32 Drill Hole	10	254
EX-1003-B-10	1	Ball	10	254
EX-1003-12	1	9/32 Drill Hole	12	305
EX-1003-B-12	1	Ball	12	305
EX-1003-15	1	9/32 Drill Hole	15	381
EX-1003-B-15	1	Ball	15	381

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

1” Sq. Dr. Adapters

3/4” to 1 1/2” Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-754•	3/4	1	7/32 Drill Hole	2 13/16	71
EX-754-B	3/4	1	Ball	2 13/16	71
EX-756-4	3/4	1	7/32 Drill Hole	4	102
EX-756-6	3/4	1	7/32 Drill Hole	6	152
EX-756-8	3/4	1	7/32 Drill Hole	8	203
EX-1101	1 1/2	1	3/8 Drill Hole	3 9/16	91

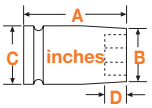
1” Sq. Dr. Universal Adapters

3/4” to 1” Male Square

Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
MF-77B	3/4	1	Ball	4 3/4	121	2	51
MF-82	1	1	9/32 Drill Hole	5	127	2	51
MF-82B	1	1	Ball	5	127	2	51

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

1 1/2” Sq. Dr. Sockets, SAE



6 Point, Standard Length

Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
9172	2 1/4	3 1/4	3 3/8	3 1/4	1 1/2

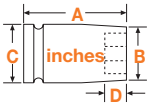
Additional sizes available upon request.

1 1/2” Sq. Dr. Adapters

1” Male Square

Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-1005	1	1 1/2	9/32 Drill Hole	3 15/16	100
EX-1005-B	1	1 1/2	Ball	3 15/16	100

2 1/2” Sq. Dr. Sockets, SAE



6 Point, Standard Length

Part Number 6 Point	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
01112	3 1/2	4 3/4	5 1/2	5 1/2	2 1/2

Additional sizes available upon request.

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture “specials” to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website ***www.apex-tools.com****.*

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

APEX® µ-Guard™

Quality Anti-Mar Fastener Tools Begin With Quality Fastener Tools.

Apex **µ-Guard** provides a protective barrier between genuine Apex fastener tools and your finely finished workpiece. The free-spinning patent-pending design provides maximum protection for polished and highly sensitive surfaces.

Apex **µ-Guard** covering is made of a thermo plastic urethane (TPU elastomer) which cushions against costly incidental side impacts. It offers the lowest sustained coefficient of friction for maximum tool efficiency. It is also non-removable for tamper resistance.

With Apex **µ-Guard** you get the proven Apex fastener tool fit and performance plus the best protection available against marring and in-system damage. **µ-Guard** is your guard against the potential hazards caused by rotational friction.

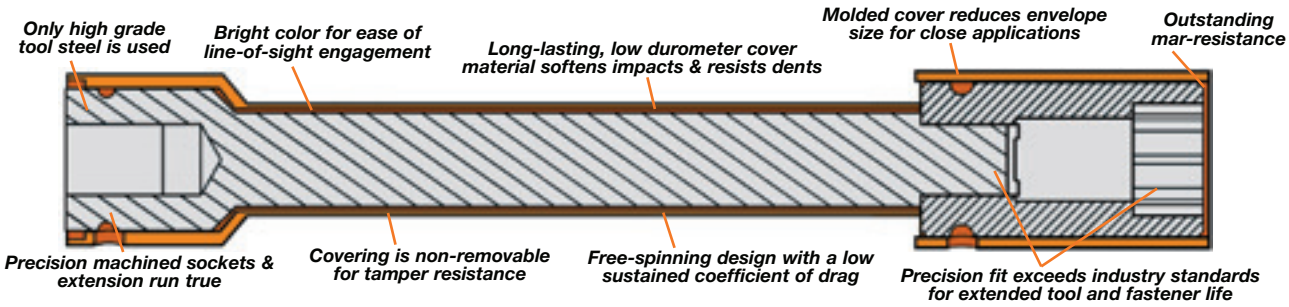
If it doesn't say Apex on the outside, how can you be sure of what's on the inside?

"Cushioning" Effect Minimizes Side Impact Damage

Free-Spinning Design

Virtually Damage Free

Why Apex μ-Guard Anti-Mar Fastener Tools Are The Best Choice



Quality Apex Tools Under The Cover

- Apex fastener tools are made from only tool grade steel then heat treated using our proprietary process for the proper hardness based on the application. Not too brittle to break nor too soft to wear out after one shift.
- Each core tool is then machined for a precision fit that exceeds industry standards. Improper fit can lead to premature fastener and fastener tool failure.
- Apex fastener tools run true with minimal wobble for more efficient fastening cycles.

The Cover Story

- A low durometer cover material that resists dents during incidental side impacts. Only Apex μ-Guard absorbs side impacts and does not produce raised burrs when impacted.
- Cover is molded to the tool for reduced envelope dimensions yet still is able to exhibit “free-spinning” capability for improved ergonomics and safety. No other competitor has this capability. Some competitors even require their core tool be modified in order to assemble the cover resulting in weaker integrity and premature failure.
- Covering is non-removable to prevent unwanted tampering on the line.
- Low sustained coefficient of friction between the cover and the tool yields minimal loss of tool efficiency.
- Bright color of covering makes fastener contact visually easier shift after shift and station monitoring quick and easy.
- Part numbers are clearly marked for ease of identification.
- Only Apex has the manufacturing capability, inventory and global supply network to supply the global requirements of today’s marketplace.

μ-Guard Sockets

(Includes socket and cover)

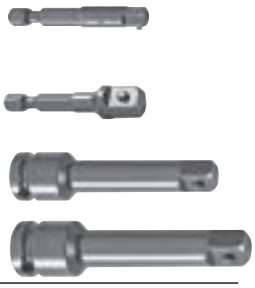
Part Number	Socket	Drive End			Socket Length	Fastener End			Assembly Features*
		Size	Type	Sex		Size	Type	Sex	
UG-10MM21•	10MM21	1/4	Square	F	standard	10 mm	Hex	F	FS
UG-M-10MM21•	M-10MM21	1/4	Square	F	standard	10 mm	Hex	F	FS, M
UG-MB-10MM21•	MB-10MM21	1/4	Square	F	standard	10 mm	Hex	F	FS, M, B
UG-10MM13•	10MM13	3/8	Square	F	standard	10 mm	Hex	F	FS
UG-M-10MM13•	M-10MM13	3/8	Square	F	standard	10 mm	Hex	F	FS, M
UG-10MM23•	10MM23	3/8	Square	F	long	10 mm	Hex	F	FS
UG-M-10MM23•	M-10MM23	3/8	Square	F	long	10 mm	Hex	F	FS, M
UG-MB-10MM23•	MB-10MM23	3/8	Square	F	long	10 mm	Hex	F	FS, M, B
UG-13MM23•	13MM23	3/8	Square	F	long	13 mm	Hex	F	FS
UG-M-13MM23•	M-13MM23	3/8	Square	F	long	13 mm	Hex	F	FS, M
UG-MB-13MM23•	MB-13MM23	3/8	Square	F	long	13 mm	Hex	F	FS, M, B
UG-13MM25•	13MM25	1/2	Square	F	long	13 mm	Hex	F	FS
UG-SF-13MM25•	SF-13MM25	1/2	Square	F	long	13 mm	Hex	F	FS, SF
UG-15MM25•	15MM25	1/2	Square	F	long	15 mm	Hex	F	FS
UG-SF-15MM25•	SF-15MM25	1/2	Square	F	long	15 mm	Hex	F	FS, SF
UG-18MM25•	18MM25	1/2	Square	F	long	18 mm	Hex	F	FS
UG-SF-18MM25•	SF-18MM25	1/2	Square	F	long	18 mm	Hex	F	FS, SF

If your tool is not shown in the table of representative products above, please contact your Apex representative.

μ-Guard Extensions

(Includes extension and cover)

Part Number	Extension	Drive End			Extension Length	Socket End			Assembly Features*
		Size	Type	Sex		Size	Type	Sex	
UG-EX-250-2•	EX-250-2	1/4	Hex	M	2	1/4	Square	M	FS
UG-EX-250-4•	EX-250-4	1/4	Hex	M	4	1/4	Square	M	FS
UG-EX-250-6•	EX-250-6	1/4	Hex	M	6	1/4	Square	M	FS
UG-EX-370-2•	EX-370-2	1/4	Hex	M	2	3/8	Square	M	FS
UG-EX-370-4•	EX-370-4	1/4	Hex	M	4	3/8	Square	M	FS
UG-EX-370-6•	EX-370-6	1/4	Hex	M	6	3/8	Square	M	FS
UG-EX-376-3•	EX-376-3	3/8	Square	F	3	3/8	Square	M	FS
UG-EX-376-6•	EX-376-6	3/8	Square	F	6	3/8	Square	M	FS
UG-EX-376-12•	EX-376-12	3/8	Square	F	12	3/8	Square	M	FS
UG-EX-508-4•	EX-508-4	1/2	Square	F	4	1/2	Square	M	FS
UG-EX-508-8•	EX-508-8	1/2	Square	F	8	1/2	Square	M	FS
UG-EX-508-12•	EX-508-12	1/2	Square	F	12	1/2	Square	M	FS

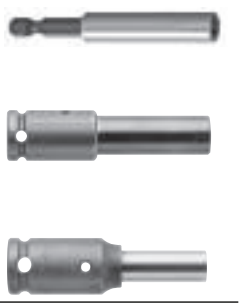


If your tool is not shown in the table of representative products above, please contact your Apex representative.

μ-Guard Bit Holders

(Includes bit holder and cover)

Part Number	Bit Holder	Drive End			Holder Length	Fastener End			Assembly Features*
		Size	Type	Sex		Size	Type	Sex	
UG-M-490•	M-490	1/4	Hex	M	2 31/32	1/4	Hex	F	FS, M, ET
UG-M-490-4•	M-490-4	1/4	Hex	M	4	1/4	Hex	F	FS, M, ET
UG-M-490-6•	M-490-6	1/4	Hex	M	6	1/4	Hex	F	FS, M, ET
UG-825•	825	1/4	Square	F	1	1/4	Hex	F	FS, ET
UG-M-825•	M-825	1/4	Square	F	2 9/32	1/4	Hex	F	FS, M, ET
UG-838•	838	3/8	Square	F	1 1/2	1/4	Hex	F	FS, ET
UG-M-838•	M-838	3/8	Square	F	2 5/8	1/4	Hex	F	FS, M, ET
UG-835•	835	3/8	Square	F	1 1/2	5/16	Hex	F	FS, ET
UG-M-835•	M-835	3/8	Square	F	2 3/4	5/16	Hex	F	FS, M, ET
UG-855•	855	1/2	Square	F	1 1/2	5/16	Hex	F	FS, ET
UG-M-855•	M-855	1/2	Square	F	2 3/4	5/16	Hex	F	FS, M, ET
UG-M-858•	M-858	1/2	Square	F	2 3/4	1/4	Hex	F	FS, M, ET



If your tool is not shown in the table of representative products above, please contact your Apex representative.

***Features Abbreviations**

FS Free Spinning — Tool is able to rotate independently of Cover
M Magnetic — Tool includes magnet to hold the position of the fastener during fastening operation
ET Extended Tip — Cover extends beyond end of Bit Holder to shield the majority of a standard Insert Bit.*

*Bit holder covers can be used with 1" or 1 1/4" long insert bits. Tip of cover can be modified by end user to suit application requirements or preference. Suggested methods of modifying covers include cutting to preferred length or heating up cover material and conforming to fastener head configuration.

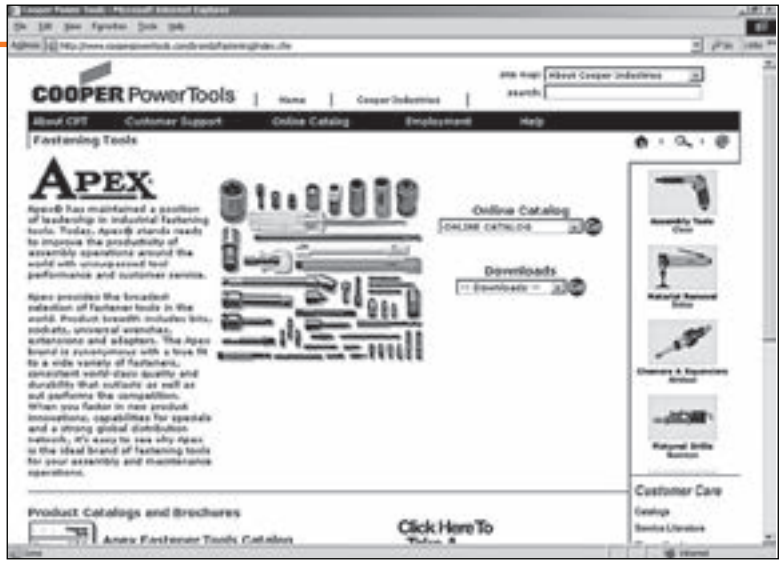
Notes: Reported lengths are based on uncovered tool length only for reference. Cover may extend beyond end of tool by 2 mm unless otherwise noted.

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Don't see what you need?

This catalog contains 3,000+ of the most frequently requested bits, sockets and fastening accessories. Our entire active offering approaches 10,000 sellable part numbers. If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific applications.

This flexibility has helped make Apex the only manufacturer which is a market and technology leader in all of the following industrial product categories: Bits & Bit Holders, Impact Sockets, Extensions and Universal Wrenches.



Get a quote on-line fast!

You can even specify custom tooling on-line fast! Specification sheets for bits, sockets, extensions and universal joints are available on-line. Just complete the appropriate easy to use form and submit your request. You'll receive a rapid response from one of our experienced staff of tooling experts.

Easy to complete forms are available on-line at our website www.apex-tools.com.

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific applications.

Apex® FreeSpin™ Covers For Durable Anti-Mar Protection.

Reduce Costly "Re-Works"

Apex **Free-Spin** anti-mar cover assemblies protect painted, plated, polished or critical surfaces from direct incidental contact with sockets and extensions. With Apex **Free-Spin** covers, damage caused by marring is greatly reduced.

Low-Cost Durable Protection

Apex **Free-Spin** anti-mar covers are the most economical protection you can get. The durable nylon construction provides many cycles of protection, shift after shift.

Popular Sizes Are Available Now!

All Apex **Free-Spin** anti-mar cover assemblies on the adjacent charts are available for quick delivery.

Standard socket – Heavy Damage

Static covered socket – Light Damage

Apex Free-Spin socket cover – Virtually Damage Free

Simple Design Installs In Seconds!

Apex **Free-Spin** covers can be installed in seconds. No special trips to the tool crib are required.

Male Drive End Assembly*

**For best results, Apex recommends using our optional installation tool for installing the retaining ring. See page 70.*

Female Drive End Assembly

How to use the Tables below:

Socket Cover Example

You need a Cover that fits Socket Part # M-10MM13

1. From your Apex catalog or by measuring part:
   Drive End Diameter = 19.1 mm
   Overall Length = 31.8 mm
   Hex Opening = 10 mm
2. Match your "Drive End Diameter" then "Socket Length" with those listed in the ***Free-Spin Covers For Sockets*** table below.
3. Find "Cover Part #" where your "Hex Opening" fits within "Min & Max Hex Size" values.

Use Cover Part # NCS0752B1252C (shown in orange below).

Socket with Extension Cover Example

You need a Cover that fits Socket part # 8MM11 and Extension part # EX-255

1. From your Apex catalog or by measuring part:
   Exten. L. = 8" Drive End Dia. = 12.7 mm Overall L. = 25.4 mm
2. Find the group of "Cover Assy Part #s" that fit your "Extension Part #" from the ***Covers For Sockets with Extensions*** table below.
3. Select the "Cover Assy Part #" that matches your "Drive End Diameter" and "Socket Length".
4. Replace the **XX** in the "Cover Assy. Part #" with your 2-digit Extension Length (available lengths are listed under "Extension Length").

Use Cover Assy. Part # NCEB08F-S0500-1000 (shown in orange below).

Free-Spin Covers For Sockets

Cover Part Number	Fits Hex Socket with these Outer Dimensions**							
	Drive End Diameter		Socket Length		Min Hex Size*		Max Hex Size*	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)
1/4" Drive								
NCS0500A0875A•	0.500	12.7	0.875	22.2		3.5		4.0
NCS0500A0875B•	0.500	12.7	0.875	22.2		4.5		5.0
NCS0500A0875C•	0.500	12.7	0.875	22.2		5.5	1/4	
NCS0500A0875D•	0.500	12.7	0.875	22.2	1/4		9/32	
NCS0500A0875E•	0.500	12.7	0.875	22.2	5/16		5/16	
NCS0500A1000A•	0.500	12.7	1.000	25.4	E-4		E-5	
NCS0500A1000B•	0.500	12.7	1.000	25.4	E-6		E-6	
NCS0500A1000C•	0.500	12.7	1.000	25.4	9/32		E-8	
NCS0500A1000D•	0.500	12.7	1.000	25.4		8.0	11/32	
NCS0500A1750A•	0.500	12.7	1.750	44.5	3/16		1/4	
NCS0500A1750B•	0.500	12.7	1.750	44.5		7.0	9/32	
NCS0500A1750C•	0.500	12.7	1.750	44.5	5/16			8.0
NCS0563A1000A•	0.563	14.3	1.000	25.4	11/32			10.0
NCS0626A1000A•	0.626	15.9	1.000	25.4	3/8		7/16	
NCS0626A1750A•	0.626	15.9	1.750	44.5		10.0	7/16	
3/8" Drive								
NCS0752B0875A•	0.752	19.1	0.875	22.2		7.0	5/16	
NCS0752B0875B•	0.752	19.1	0.875	22.2		9.0	7/16	
NCS0752B0875C•	0.752	19.1	0.875	22.2		12.0		12
NCS0752B1252A•	0.752	19.1	1.252	31.8	3/16			6.0
NCS0752B1252B•	0.752	19.1	1.252	31.8		6.0		9.0
NCS0752B1252C•	0.752	19.1	1.252	31.8		9.0		11.0
NCS0752B1252D•	0.752	19.1	1.252	31.8	7/16			12.0
NCS0752B1500A•	0.752	19.1	1.500	38.1	7/32		9/32	
NCS0752B1500B•	0.752	19.1	1.500	38.1	3/8			12.0
NCS0752B1500C[1]•	0.752	19.1	1.500	38.1	15/32		9/16	
NCS0752B2000A•	0.752	19.1	2.000	50.8		6.0	11/32	
NCS0752B2000B•	0.752	19.1	2.000	50.8		9.0	3/8	
NCS0752B2000C•	0.752	19.1	2.000	50.8		12.0	1/2	
NCS0813B0875A•	0.813	20.7	0.875	22.2	1/2			13.0
NCS0813B1500A•	0.813	20.7	1.500	38.1		14	9/16	
NCS0813B1500B[1]•	0.813	20.7	1.500	38.1	1/2			15
NCS0813B2000A•	0.813	20.7	2.000	50.8	1/2		9/16	
NCS0813B3500A•	0.813	20.7	3.500	88.9	1/2			13.0
NCS0875B1500A•	0.875	22.2	1.500	38.1		14.0		16.0
NCS0875B2000A•	0.875	22.2	2.000	50.8		14.0		15.0
1/2" Drive								
NCS0938C1500A•	0.938	23.8	1.500	38.1	1/4		11/32	
NCS0938C1500B•	0.938	23.8	1.500	38.1	5/16			12.0
NCS0938C1500C•	0.938	23.8	1.500	38.1		12.0	9/16	
NCS0938C1500D•	0.938	23.8	1.500	38.1	1/2			17.0
NCS0938C2250A•	0.938	23.8	2.250	57.2	5/16			10.0
NCS0938C2250B•	0.938	23.8	2.250	57.2		11.0	9/16	
NCS0938C2250C•	0.938	23.8	2.250	57.2		15.0		15.0
NCS0938C3250A•	0.938	23.8	3.250	82.6	5/16			10.0
NCS0938C3250B•	0.938	23.8	3.250	82.6		10.0		13.0
NCS0938C3250C•	0.938	23.8	3.250	82.6		13.0		16.0
NCS0938C3250D•	0.938	23.8	3.250	82.6		15.0	11/16	
NCS1000C1500A•	1.000	25.4	1.500	38.1	E-10		E-12	
NCS1000C1500B•	1.000	25.4	1.500	38.1	E-14		E-16	
NCS1000C1500C•	1.000	25.4	1.500	38.1	5/8		5/8	
NCS1000C1500D[1]•	1.000	25.4	1.500	38.1	1/2			18
NCS1126C1500A•	1.126	28.6	1.500	38.1	3/4			20.0
NCS1126C1500B[1]•	1.126	28.6	1.500	38.1	9/16			21.0
NCS1126C2250A•	1.126	28.6	2.250	57.2		17.0	3/4	

* "E" designation (i.e. E-8) stands for the point size of a Torx socket

** Socket must have a ring groove. Sockets that do not have ring grooves are noted as such in the catalog.

[1] Straight socket (ie. Non-tapered.)

Free-Spin Cover Assemblies For Sockets with Extensions

Cover Assembly Part Number	Extension Part Number	Drive Size	Ext. Type	Extension Length (inches)*	Fits any socket with these 2 outer dimensions			
					Socket Drive End Diameter		Socket Overall Length	
					(inch)	(mm)	(inch)	(mm)
NCEA**XX**M-S0500-0875•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	0.875	22.2
NCEA**XX**M-S0500-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	1.000	25.4
NCEA**XX**M-S0500-1750•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	1.750	44.5
NCEA**XX**M-S0563-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.563	14.3	1.000	25.4
NCEA**XX**M-S0626-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.626	15.9	1.000	25.4
NCEA**XX**M-S0626-1750•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.626	15.9	1.750	44.5
NCEB**XX**F-S0500-0875•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	0.875	22.2
NCEB**XX**F-S0500-1000•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	1.000	25.4
NCEB**XX**F-S0500-1750•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	1.750	44.5

* ***XX*** *suffix on Extension P/N is a whole number indicating the length in inches of the extension.*
In some cases this designation is left off of the end of the extension P/N indicating that it is the shortest length capable of being manufactured.
For Extension lengths shorter than those listed, a Socket Only cover would be used.

(Continued on next page)

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Covers For Sockets with Extensions (continued)

Cover Assembly Part Number	Extension Part Number	Drive Size	Ext. Type	Extension Length (inches)*	Fits any socket with these 2 outer dimensions: Socket Drive End Diameter (inch)	Socket Drive End Diameter (mm)	Socket Overall Length (inch)	Socket Overall Length (mm)
NCEA**XX**M-S0500-0875•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	0.875	22.2
NCEA**XX**M-S0500-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	1.000	25.4
NCEA**XX**M-S0500-1750•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.500	12.7	1.750	44.5
NCEA**XX**M-S0563-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.563	14.3	1.000	25.4
NCEA**XX**M-S0626-1000•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.626	15.9	1.000	25.4
NCEA**XX**M-S0626-1750•	EX-250-**XX** or EX-250-B-**XX**	1/4"	Male	XX = 3, 4, 6, 8 or 12	0.626	15.9	1.750	44.5
NCEB**XX**F-S0500-0875•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	0.875	22.2
NCEB**XX**F-S0500-1000•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	1.000	25.4
NCEB**XX**F-S0500-1750•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.500	12.7	1.750	44.5
NCEB**XX**F-S0563-1000•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.563	14.3	1.000	25.4
NCEB**XX**F-S0626-1000•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.626	15.9	1.000	25.4
NCEB**XX**F-S0626-1750•	EX-255-**XX** or EX-255-B-**XX**	1/4"	Female	XX = 2, 3, 4, 6, 8, 10 or 12	0.626	15.9	1.750	44.5
NCEJ**XX**M-S0625-1250•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.625	15.9	1.250	31.8
NCEJ**XX**M-S0752-0875•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.752	19.1	0.875	22.2
NCEJ**XX**M-S0752-1252•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.752	19.1	1.252	31.8
NCEJ**XX**M-S0752-1500•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.752	19.1	1.500	38.1
NCEJ**XX**M-S0752-2000•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.752	19.1	2.000	50.8
NCEJ**XX**M-S0813-0875•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.813	20.7	0.875	22.2
NCEJ**XX**M-S0813-1500•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.813	20.7	1.500	38.1
NCEJ**XX**M-S0813-2000•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.813	20.7	2.000	50.8
NCEJ**XX**M-S0813-3500•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.813	20.7	3.500	88.9
NCEJ**XX**M-S0875-1500•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.875	22.2	1.500	38.1
NCEJ**XX**M-S0875-2000•	EX-370-**XX** or EX-370-B-**XX**	1/4"	Male	XX = 4, 6, 8 or 10	0.875	22.2	2.000	50.8
NCEK**XX**M-S0625-1250•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.625	15.9	1.250	31.8
NCEK**XX**M-S0752-0875•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.752	19.1	0.875	22.2
NCEK**XX**M-S0752-1252•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.752	19.1	1.252	31.8
NCEK**XX**M-S0752-1500•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.752	19.1	1.500	38.1
NCEK**XX**M-S0752-2000•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.752	19.1	2.000	50.8
NCEK**XX**M-S0813-0875•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.813	20.7	0.875	22.2
NCEK**XX**M-S0813-1500•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.813	20.7	1.500	38.1
NCEK**XX**M-S0813-2000•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.813	20.7	2.000	50.8
NCEK**XX**M-S0813-3500•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.813	20.7	3.500	88.9
NCEK**XX**M-S0875-1500•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.875	22.2	1.500	38.1
NCEK**XX**M-S0875-2000•	EX-371-**XX** or EX-371-B-**XX**	7/16"	Male	XX = 6, 8 or 10	0.875	22.2	2.000	50.8
NCEM**XX**F-S0625-1250•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.625	15.9	1.250	31.8
NCEM**XX**F-S0752-0875•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.752	19.1	0.875	22.2
NCEM**XX**F-S0752-1252•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.752	19.1	1.252	31.8
NCEM**XX**F-S0752-1500•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.752	19.1	1.500	38.1
NCEM**XX**F-S0752-2000•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.752	19.1	2.000	50.8
NCEM**XX**F-S0813-0875•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.813	20.7	0.875	22.2
NCEM**XX**F-S0813-1500•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.813	20.7	1.500	38.1
NCEM**XX**F-S0813-2000•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.813	20.7	2.000	50.8
NCEM**XX**F-S0813-3500•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.813	20.7	3.500	88.9
NCEM**XX**F-S0875-1500•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.875	22.2	1.500	38.1
NCEM**XX**F-S0875-2000•	EX-376-**XX** or EX-376-B-**XX**	3/8"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.875	22.2	2.000	50.8
NCEU**XX**F-S0938-1500•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.938	23.8	1.500	38.1
NCEU**XX**F-S0938-2250•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.938	23.8	2.250	57.2
NCEU**XX**F-S0938-3250•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	0.938	23.8	3.250	82.6
NCEU**XX**F-S1000-1500•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	1.000	25.4	1.500	38.1
NCEU**XX**F-S1126-1500•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	1.126	28.6	1.500	38.1
NCEU**XX**F-S1126-2250•	EX-508-**XX** or EX-508-B-**XX**	1/2"	Female	XX = 3, 4, 5, 6, 8, 10, 12, 15 or 18	1.126	28.6	2.250	57.2

* ***XX*** *suffix on Extension P/N is a whole number indicating the length in inches of the extension.*
In some cases this designation is left off of the end of the extension P/N indicating that it is the shortest length capable of being manufactured.
For Extension lengths shorter than those listed, a Socket Only cover would be used.

Free-Spin Cover Installation Tool

Installation tool ensures proper positioning of the retaining ring on extensions with male drive end.

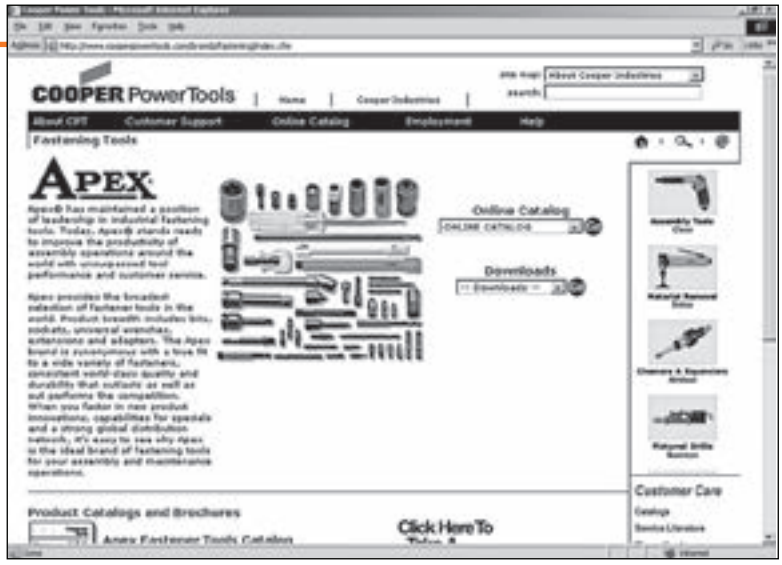
Part Number	Used on Covers with Part # Prefix
543805	NCEA, NCEJ, NCEK

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Don't see what you need?

This catalog contains 3,000+ of the most frequently requested bits, sockets and fastening accessories. Our entire active offering approaches 10,000 sellable part numbers. If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific applications.

This flexibility has helped make Apex the only manufacturer which is a market and technology leader in all of the following industrial product categories: Bits & Bit Holders, Impact Sockets, Extensions and Universal Wrenches.



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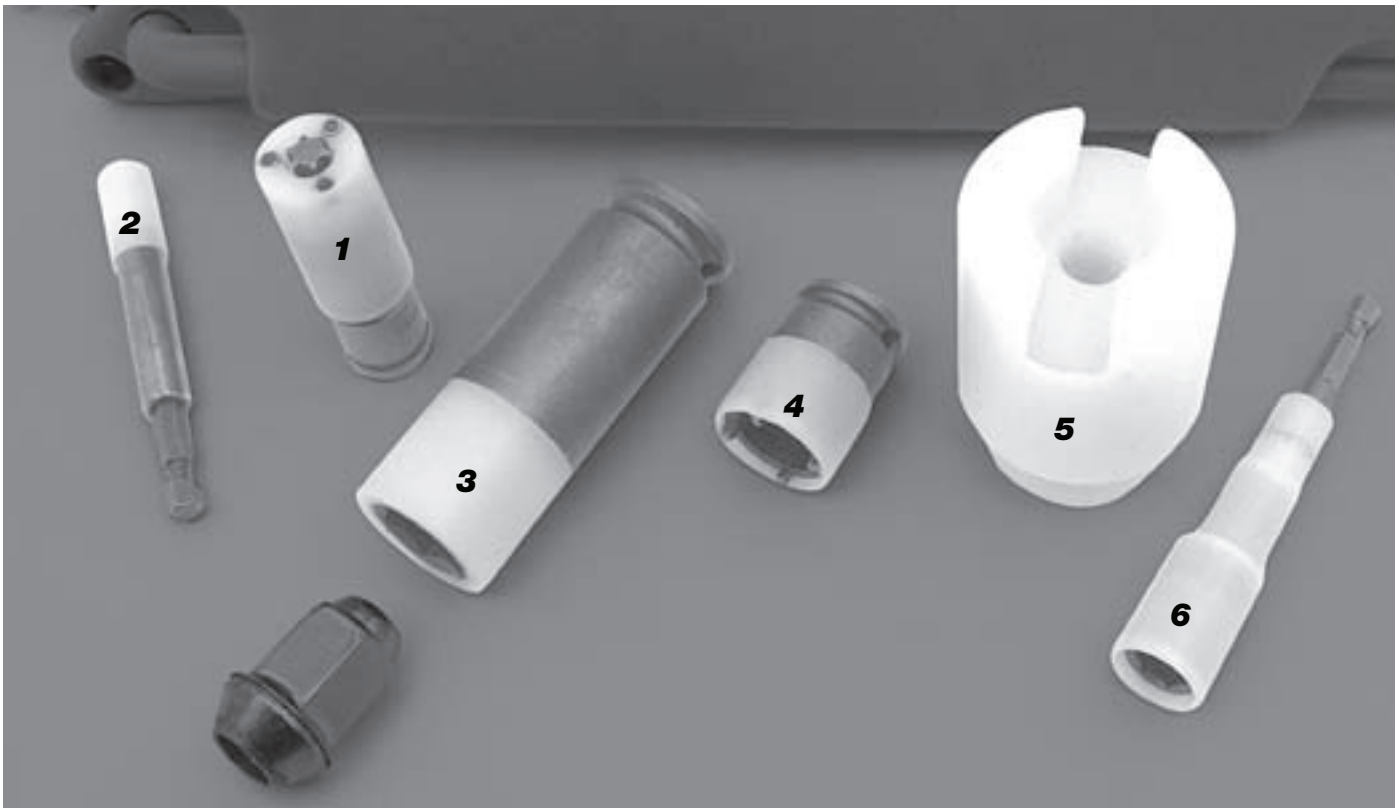
If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific applications.

Apex® Has A Wide Selection Of Custom Designed Anti-Mar Covers.



Over Half A Century Of Quality In Every Design

For many years Apex has been producing protective covers for our quality products. Each was custom designed by our staff of engineers to work in a specific application. Over time we have developed a vast library of designs that work not only for their original applications but may also be a solution for one of your applications.

Our covered product designs include sockets, sockets and extensions, bits and bit holders, nutsetters and many more.

Each design was developed with one or more of the following unique features and capabilities:

- Free-spinning covers which allow the tool to rotate independently of the cover for improved protection of sensitive surfaces.
- Spring-loaded covers which retract when engaging the fastener.
- Embedded magnets in covers increase holding force on fastener.
- Single-piece construction to reduce material interfaces.
- Press fit/non-free-spinning for reduced envelope size in tight clearance applications.

Apex recognizes the need in assembly operations for the protection of painted or finished surfaces. We can coat just about any Apex bit or socket with a protective nylon sleeve. Shown above are some recently manufactured solutions with a brief description of the application.

1. Pick-up Truck Tailgate to Bed
Torx® T-50 Bit with magnets within the sleeve to secure fastener. ***WJ-1506-T50***

2. Sun Visor Installation
Phillips bit used with magnetic bit holder. Nylon sleeve reduces headliner and visor damage. ***SD-5241-A***

3. Lug Nut Assembly
Magnetic 19MM socket has nylon coating to protect chrome plated and polished aluminum wheels. ***HGSFNC-3028***

4. Antenna Driver
Four-prong antenna bezel nutdriver with nylon sleeve to reduce damage to painted surface. ***BZCNC-30, -31***

5. Spare Tire Wing Nut Assembly
All nylon socket to install low torque wing nut. ***WJ-1405***

6. Painted Door Assembly
Only the nutsetter spins within the nylon sleeve, eliminating any mark on surface around the fastener. Nylon sleeve also protects adjacent painted door surface. ***MNC6N-08-10M-4***

How to use this guide:

1. Scan the desired category of product for Assembly Part Numbers that meet your criteria using chart to explain abbreviations.
2. Contact your local Apex representative to confirm suitability and provide pricing.
3. Fill out either the Bit Worksheet or the Socket Quotation Worksheet located in the back of this brochure and fax to your local Apex representative, if your requirements dictate a product not found in the tables that follow.

***Features Abbreviations**

B Bolt Clearance
DM Donut Magnet
EC Extension Cover Only
EM Embedded Magnets
ER Embedded Rare Earth Magnets
ET Exposed Tip
FL Fast Lead
FS Free Spinning
FT Flush to Tip
LC Limited Clearance
M Magnetic
P Pinned
PC Partially Covered
PF Press Fit
R Rare Earth Magnet
RE Retractable / Finder Sleeve
RNT Removable Nylon Tip
RT Recessed Tip
SB Shallow Broach
SF Surface Drive
SM Strip Magnet
TD Turned OD
U Universal (Swivel)

Covered Power Bit Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Bit				Cover Features*
	Type	Drive Size	Pt. Size	Length (in.)	
SD-5211	Phillips	1/4	2	1 15/16	ET PF
SD-4462-3	Phillips	1/4	3	3.5	RE RT RNT
SD-5349	Phillips	1/4	3	3.5	RE RT (for 0.41" dia fastener head)
SD-5346-K	Torx	7/16	45	3.5	RE RT (for 0.56" dia fastener head)
SD-5346-N	Torx	7/16	45	3.5	RE RT (for 0.66" dia fastener head)
SD-5370	Torx	7/16	50	3.5	PF RT (for 1.12" dia fastener head)
SD-5362	Hex	1/4	5 mm	4	PF R
SD-5362-6	Hex	1/4	5 mm	6	PF RT

Covered Insert Bit & Bit Holder Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Holder					Bit					Cover Features*
	Drive Size	Drive Type	Sex	Length (in.)	Features*	Type	Drive Size	Pt. Size	Length (in.)	Features*	
SD-5306	1/4	Hex	M	2 31/32	M	Phillips	1/4	1	1	LC	EM FS RT
SD-5323	1/4	Hex	M	6	M	Torx	1/4	30	1		EM FS RT
SD-5346-O	1/4	Hex	M	2 31/32	M	Torx	1/4	40	1		RE FS RT

Covered Nutsetter Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Nutsetter						Cover Features*
	Drive Size	Drive Type	Opening Size	Opening Type	Length (in.)	Features*	
MNC6N-08-10M-4	1/4	Hex	8 mm	Hex	4	M	FS FT
MNC6N-08-10M-6	1/4	Hex	8 mm	Hex	6	M	FS FT
SMNC6B-08-10M-4	1/4	Hex	8 mm	Hex	4	SM	FS FT
SMNC6B-08-10M-6	1/4	Hex	8 mm	Hex	6	SM	FS FT
SMNC6B-08-10M-9	1/4	Hex	8 mm	Hex	9	SM	FS FT
VMNC-56-10MM	1/4	Hex	10 mm	Hex	2.54		RT PF

Covered Socket Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Socket						Cover Features*
	Drive Size	Drive Type	Opening Size**	Opening Type	Length (in.)	Features*	
MRNC-5.5MME1	1/4	Square	5.5	Hex	0.938	M R	FT PF
MRNC-7MME1	1/4	Square	7	Hex	0.875	M R	FT PF
RMBNC-7MM21	1/4	Square	7	Hex	1.75	R B	FT PF
RMBNC-10MM21	1/4	Square	10	Hex	1.75	R B	FT PF
MNC-10MM11	1/4	Square	10	Hex	1	M	FT PF
VANC-229-10MM	1/4	Square	10	Hex	1.75	M B	FT PF
MRHCNC-22612	3/8	Square	3/8	Hex	1.25	M R TD	RT PF PC
HCNC-22512	3/8	Square	3/8	Hex	1.5	TD SB	FT PF PC
HCNC-13014	3/8	Square	7/16	Hex	1.5	TD SB	FT PF PC
HCNC-13414	3/8	Square	7/16	Hex	1.5	TD	FT PF PC
HCNC-20918	3/8	Square	9/16	Hex	3.5		FT PF PC
BZCNC-30	3/8	Square	3/4	Bezel	1.5	4 lugs	ET PF PC
HCNC-2424	3/8	Square	3/4	Dbl. Hex	0.89	stepped	FT PF PC
BZCNC-31	3/8	Square	69/94	Bezel	1.5	4 lugs	ET PF PC
HCNC-1130-D	3/8	Square	15/16	Dbl. Hex	1.25	stepped	FT PF PC
MVCNC-53-7MM	3/8	Square	7	Hex	2	M	FT PF

Continued on next page.

***Fractions represent inches. Integers represent metric (mm).*

***Features Abbreviations**

B Bolt Clearance
DM Donut Magnet
EC Extension Cover Only
EM Embedded Magnets
ER Embedded Rare Earth Magnets
ET Exposed Tip
FL Fast Lead
FS Free Spinning
FT Flush to Tip
LC Limited Clearance
M Magnetic
P Pinned
PC Partially Covered
PF Press Fit
R Rare Earth Magnet
RE Retractable / Finder Sleeve
RNT Removable Nylon Tip
RT Recessed Tip
SB Shallow Broach
SF Surface Drive
SM Strip Magnet
TD Turned OD
U Universal (Swivel)

Covered Socket with Extension Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Socket						Cover Features*
	Drive Size	Drive Type	Opening Size**	Opening Type	Length (in.)	Features*	
MNC-8MM23	3/8	Square	8	Hex	2	M	RT PF PC
MBVCNC-707-10MM	3/8	Square	10	Hex	2	M B	RT PF PC
MBVCNC-731-10MM	3/8	Square	10	Hex	2	M B TD	FT PF PC
MBVCNC-733-10MM	3/8	Square	10	Hex	2	M B TD	RT PF PC
MBVCNC-781-10MM	3/8	Square	10	Hex	2	M B TD	FT PF PC
MBVCNC-795-10MM	3/8	Square	10	Hex	2	M B	RT PF PC
MVCNC-734-10MM	3/8	Square	10	Hex	2	M	FT PF
RMBNC-10MM23	3/8	Square	10	Hex	2	R B	FT PF
VCNC-736-10MM	3/8	Square	10	Hex	1.25		RT PF
VCNC-790-10MM	3/8	Square	10	Hex	1.25	TD	RT PF PC
VCSFNC-789-10MM	3/8	Square	10	Hex	3.5	SF TD	FT PF
VCNC-791-10MM-D	3/8	Square	10	Dbl. Hex	1.25		RT PF PC
VCNC-792-10MM-D	3/8	Square	10	Dbl. Hex	2		RT PF PC
MVC-610-13MM	3/8	Square	13	Hex	1.5	M SF	RT PF PC
VCNC-631-13MM	3/8	Square	13	Hex	1.5		RT PF
MBVCNC-634-13MM	3/8	Square	13	Hex	2	M B	RT PF PC
VCNC-667-13MM	3/8	Square	13	Hex	3.5		RT PF PC
VCSFNC-633-13MM	3/8	Square	13	Hex	2.6	SF	RT PF PC
VCNC-69-24MM	3/8	Square	24	Hex	1.5		RT PF PC
MBVENC-104-13MM	1/2	Square	13	Hex	2.25	M B	FT PF
MNC-17MM55	1/2	Square	17	Hex	3.25	M	FT PF
SMVENC-105-18MM	1/2	Square	18	Hex	1.5	SM	FT PF
VESFNC-153-19MM	1/2	Square	19	Hex	3.25	SF	FT PF
VESFNC-105-21MM	1/2	Square	21	Hex	1.5	SF	FT PF
HFSF-14424	5/8	Square	3/4	Hex	1.914	SF	RT PF PC
VFSFNC-118-19MM	5/8	Square	19	Hex	1.875	SF TD	RT PF PC
MBVFNC-117-19MM	5/8	Square	19	Hex	3.5	M B SF TD	RT PF PC
VFSFNC-103-19MM	5/8	Square	19	Hex	3.5	SF TD	RT PF PC
VFSFNC-110-19MM	5/8	Square	19	Hex	3.5	SF TD	RT PF PC
VFSFNC-111-19MM	5/8	Square	19	Hex	3.5	SF TD	RT PF PC
VFSFNC-112-19MM	5/8	Square	19	Hex	3.5	SF TD	RT PF PC
MVFNC-99-19MM	5/8	Square	19	Hex	3.545		RT PF PC ER
MRVFSFNC-115-19MM	5/8	Square	19	Hex	3.75	M R SF TD	RT PF PC
MBRVFNC-116-19MM	5/8	Square	19	Hex	4.5	M B R	RT PF PC
MBRVFSFNC-119-19MM	5/8	Square	19	Hex	4.5	M B R SF	RT PF PC
RMBRVFNC-114-19MM	5/8	Square	19	Hex	4.5	M R	RT PF PC
MRMBVFSFNC-20-21MM	5/8	Square	21	Hex	3	M R SF	RT PF PC
MRVFSFNC-18-21MM	5/8	Square	21	Hex	3	M R SF	RT PF PC
RMBVFSFNC-18-21MM	5/8	Square	21	Hex	3	M B R SF	RT PF PC
HGSF-13824-A	3/4	Square	3/4	Hex	3.125	SF	RT PF PC
HGSFNC-14524	3/4	Square	3/4	Hex	4	SF	RT PF PC
MHGNC-14624	3/4	Square	3/4	Hex	4	M TD	RT PF PC
HGSFNC-3028	3/4	Square	7/8	Hex	4	SF	RT PF PC
VGNC-105-17MM	3/4	Square	17	Hex	2.375	TD	RT PF PC
VGNC-108-17MM	3/4	Square	17	Hex	3.25	TD	RT PF PC
VGSFNC-109-17MM	3/4	Square	17	Hex	4	SF TD	RT PF PC
VGNC-28-19MM	3/4	Square	19	Hex	2.375	TD	RT PF PC
VGSFNC-34-19MM	3/4	Square	19	Hex	3.25	SF TD	RT PF PC
VGSFNC-56-21MM	3/4	Square	21	Hex	4	SF TD	RT PF PC
RMBVGSFNC-53-21MM	3/4	Square	21	Hex	4.5	M B R SF	RT PF PC
VGSFNC-55-21MM	3/4	Square	21	Hex	6	SF	RT PF
VGFLNC-40-22MM	3/4	Square	22	Hex	2.5	FL	RT PF PC
VGSFNC-40-22MM	3/4	Square	22	Hex	2.5	SF	RT PF PC
MBRVGNC-34-22MM	3/4	Square	22	Hex	4	M B R	RT PF PC
RMBRVGSFNC-38-22MM	3/4	Square	22	Hex	4	M B R SF	RT PF PC
VGSFNC-39-22MM	3/4	Square	22	Hex	4	SF TD	RT PF PC

Continued on next page.

***Features Abbreviations**

B Bolt Clearance
DM Donut Magnet
EC Extension Cover Only
EM Embedded Magnets
ER Embedded Rare Earth Magnets
ET Exposed Tip
FL Fast Lead
FS Free Spinning
FT Flush to Tip
LC Limited Clearance
M Magnetic
P Pinned
PC Partially Covered
PF Press Fit
R Rare Earth Magnet
RE Retractable / Finder Sleeve
RNT Removable Nylon Tip
RT Recessed Tip
SB Shallow Broach
SF Surface Drive
SM Strip Magnet
TD Turned OD
U Universal (Swivel)

Covered Socket Complete Assemblies – continued *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Extension				Socket				Cover Features*
	Drive Size	Drive Type	Sex	Length (in.)	Opening Size	Opening Type	Length (in.)	Features*	
MBVANC-85-8MM	1/4	Square	F	3	8	Hex	1.75	M B	FS
MVMNC-8-7MM	1/4	Hex	M	6	7	Hex	0.875	M	FS
MRVMNC-9-7MM	1/4	Hex	M	8	7	Hex	0.875	R	FS
MVMNC-9-7MM	1/4	Hex	M	8	7	Hex	0.875	M	FS
MVMNC-61-10MM	1/4	Hex	M	1.625	10	Hex	1.25	M	FS
MRSFVMNC-58-10MM	1/4	Hex	M	3	10	Hex	1.75	R SF	FS
MVMSFNC-62-10MM	1/4	Hex	M	4	10	Hex	1.75	M SF	FS
MBVMNC-63-10MM	1/4	Hex	M	6	10	Hex	1.75	M B	FS
MBVMNC-65-10MM	1/4	Hex	M	6	10	Hex	2	M B	FS
MVMNC-60-10MM	1/4	Hex	M	6	10	Hex	1	M	FS
MVMSFNC-60-10MM	1/4	Hex	M	6	10	Hex	1	M SF	FS
SMVMNC-65-10MM	1/4	Hex	M	6	10	Hex	2	SM	FS
VMNC-70-10MM	1/4	Hex	M	6	10	Hex	1.75		FS
MBVMNC-64-10MM	1/4	Hex	M	8	10	Hex	1.75	M B	FS
VMNC-6-13MM	1/4	Hex	M	1.625	13	Hex	2		FS
MBVMNC-5-13MM	1/4	Hex	M	2	13	Hex	3.5	M B	FS
MVMNC-1-15MM	1/4	Hex	M	1.625	15	Hex	2	M	FS
VMNC-2-15MM	1/4	Hex	M	1.625	15	Hex	2		FS
VMNC-1-16MM	1/4	Hex	M	1.625	16	Hex	2		FS
VMNC-2-19MM	1/4	Hex	M	1.625	19	Hex	2		FS
VMNC-1-21MM	1/4	Hex	M	2	21	Hex	1.5		FS
VCNC-248-8MM	3/8	Square	F	3	8	Hex	1.25	M	FS
MVCNC-752-10MM	3/8	Square	F	2	10	Hex	1.25	M	FS
MBVCNC-754-10MM	3/8	Square	F	3	10	Hex	2	M B	FS
MRSFVCNC741-10M-NU	3/8	Square	F	3	10	Hex	1.75	R SF	FS
MRVCSFNC-724-10MM	3/8	Square	F	3	10	Hex	2	R SF	FS
MVCNC-710-10MM	3/8	Square	F	3	10	Hex	1.25	M	FS
MVCNC-750-10MM	3/8	Square	F	3	10	Hex	1.25	M	FS
VCNC-751-10MM	3/8	Square	F	3	10	Hex	1.25		FS
MBVCNC-747-10MM	3/8	Square	F	4	10	Hex	3.5	M B	FS
MBVCNC-762-10MM	3/8	Square	F	4	10	Hex	2	M B	FS
MVCNC-748-10MM	3/8	Square	F	4	10	Hex	1.25	M	FS
MVCNC-755-10MM	3/8	Square	F	4	10	Hex	1.25	M	FS
VCNC-758-10MM	3/8	Square	F	4	10	Hex	0.875	M	FS
RMBVCNC-728-10MM	3/8	Square	F	5	10	Hex	2	R B	FS
MVCNC-702-10MM	3/8	Square	F	6	10	Hex	1.25	M	FS
MVCNC-702-10MM-NA	3/8	Square	F	6	10	Hex	1.25	M	FS
MVCNC-702-10MM-NU	3/8	Square	F	6	10	Hex	1.25	M	FS
MVCNC-746-10MM	3/8	Square	F	6	10	Hex	1.25	M	FS
SMVCNC-764-10MM	3/8	Square	F	6	10	Hex	2	SM	FS
MBVCNC-745-10MM	3/8	Square	F	8	10	Hex	3.5	M B	FS
MVCNC-756-10MM	3/8	Square	F	8	10	Hex	1.25	M	FS
MVCNC-759-10MM	3/8	Square	F	10	10	Hex	0.875	M	FS
RMBVCNC-727-10MM	3/8	Square	F	10	10	Hex	2	R B	FS
MBVCNC-749-10MM	3/8	Square	F	12	10	Hex	3.5	M B	FS
MVCNC-766-10MM	3/8	Square	F	12	10	Hex	2	M	FS
SMVCNC-765-10MM	3/8	Square	F	12	10	Hex	2	SM	FS
VCNC-757-10MM	3/8	Square	F	12	10	Hex	1.25		FS
MBSFVCNC-653-13MM	3/8	Square	F	12	13	Hex	2	M B SF	FS
MBVCNC-647-13MM	3/8	Square	F	2	13	Hex	3.5	M B	FS
MBVCNC-645-13MM	3/8	Square	F	3	13	Hex	3.5	M B	FS
MVCNC-648-13MM	3/8	Square	F	3	13	Hex	1.5	M	FS
SMVCSFNCNU-624-13M	3/8	Square	F	3	13	Hex	1.5	RE SM SF	FS
MBVCNC-651-13MM	3/8	Square	F	4	13	Hex	2	M B	FS
MBVCNC-644-13MM	3/8	Square	F	6	13	Hex	3.5	M B	FS
MRVCNC-628-13MM-NU	3/8	Square	F	6	13	Hex	1.5	R	FS
MRVCNC-662-13MM-NA	3/8	Square	F	6	13	Hex	1.5	R	FS
MSFVCNC-652-13MM	3/8	Square	F	6	13	Hex	2	M SF	FS

***Fractions represent inches. Integers represent metric (mm).*

***Features Abbreviations**

B Bolt Clearance
DM Donut Magnet
EC Extension Cover Only
EM Embedded Magnets
ER Embedded Rare Earth Magnets
ET Exposed Tip
FL Fast Lead
FS Free Spinning
FT Flush to Tip
LC Limited Clearance
M Magnetic
P Pinned
PC Partially Covered
PF Press Fit
R Rare Earth Magnet
RE Retractable / Finder Sleeve
RNT Removable Nylon Tip
RT Recessed Tip
SB Shallow Broach
SF Surface Drive
SM Strip Magnet
TD Turned OD
U Universal (Swivel)

Covered Socket with Extension Complete Assemblies – continued *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Extension				Socket				Cover Features*
	Drive Size	Drive Type	Sex	Length (in.)	Opening Size	Opening Type	Length (in.)	Features*	
MVCNC-649-13MM	3/8	Square	F	6	13	Hex	2	M	FS
MVCNCNU-625-13MM	3/8	Square	F	6	13	Hex	1.5	M	FS
MBVCNC-652-13MM	3/8	Square	F	8	13	Hex	2	M B	FS
SMSFVCNC637-13M-NU	3/8	Square	F	8	13	Hex	2	SM SF	FS
MBVCNC-654-13MM	3/8	Square	F	10	13	Hex	2	M B	FS
MVCNC-646-13MM	3/8	Square	F	10	13	Hex	1.5	M	FS
MBVCNC-653-13MM	3/8	Square	F	12	13	Hex	2	M B	FS
MVCNC-650-13MM	3/8	Square	F	12	13	Hex	1.5	M	FS
VCNC-653-13MM	3/8	Square	F	12	13	Hex	2		FS
VCNC-239-14MM	3/8	Square	F	10	14	Hex	2		FS
MBVCNC-135-15MM	3/8	Square	F	6	15	Hex	2	M B	FS
VCSFNC-132-15MM-NA	3/8	Square	F	12	15	Hex	1.5	SF	FS
DMVCSFNC-623-13MM	7/16	Square	F	3	13	Hex	1	DM SF	RE
MBVNNC-1-13MM	7/16	Hex	M	8	13	Hex	2	M B	FS
MRVNNC-1-15MM	7/16	Hex	M	6	15	Hex	3.25	R	FS
MVENC-1-7MM	1/2	Square	F	1.5	7	Hex	1.25	M	FS
MVENC-143-10MM	1/2	Square	F	1.5	10	Hex	1.25	M	FS
MBRVENC-108-18MM	1/2	Square	F	8	18	Hex	2.25	R B	FS
MRVENC-101-18MM	1/2	Square	F	20	18	Hex	1.5	R SF	FS

Covered Socket with Extension & Adapter Complete Assemblies *(Includes Tool and Anti-Mar Cover)*

Complete Assembly Ordering Number	Adapter				Extension				Socket			Adapter Features*	Socket Features*	Cover Features*
	Drive Size	Drive Type	Sex	Length (in.)	Drive Size	Drive Type	Sex	Length (in.)	Opening Size**	Opening Type	Length (in.)			
MRVANC-97-7MM	1/4	Square	F	1.5	1/4	Hex	M	6	7	Hex	0.875	QR	R	FS
MVCNC-760-10MM	3/8	Square	F	1.75	1/4	Hex	M	6	10	Hex	1	QR	M	FS
MBVCNC-763-10MM	3/8	Square	F	2	7/16	Hex	M	8	10	Hex	2	QR	B, M	FS
MVCNC-761-10MM	3/8	Square	F	2	7/16	Hex	M	8	10	Hex	1.25	QR	M	FS
VCNC-761-10MM	3/8	Square	F	2	7/16	Hex	M	8	10	Hex	1.25	QR		FS
RCSFNC-1314-9	3/8	Square	F	1.5	1/4	Hex	M	9	7/16	Hex	1.062	P	U, SF	EC, FS
RMSFNC-214-9	-	-	-	-	1/4	Hex	M	9	7/16	Hex	1.062	P	U, SF	EC, FS
RCNC-2616-9	3/8	Square	F	1.5	1/4	Hex	M	9	1/2	Hex	1	P	U	EC, FS
RCSFNC-2816-9	3/8	Square	F	1.5	1/4	Hex	M	9	1/2	Hex	1.062	P	U, SF	EC, FS

***Fractions represent inches. Integers represent metric (mm).*

If you have an assembly application that requires special protection, simply fill out the appropriate attached "Quotation Worksheet" and fax it to your Apex Representative. Indicate that a nylon coating is needed. Or, you can visit our website at *www.apex-tools.com* and submit a "Quotation Worksheet" electronically. Either way, a quote will be generated promptly.

If you need more information or would like to have an Apex Representative contact you, please call Customer Service toll free at 1-800-845-5629.

APEX® Solutions

Does Apex offer sockets for the installation of grease fittings?

Specially designed Apex sockets are the easy way to install or remove grease fittings.

(See page 83)

What's the real advantage of using socket adapters?

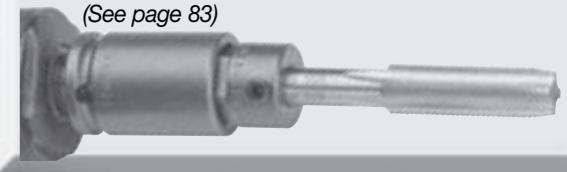
Socket adapters are an easy and economical solution for applications that require several different nut sizes.

(See page 85)

Does Apex offer tap holding sockets?

Apex offers a wide variety of tap holding adapters. These adapters allow you to easily convert your power tool into a tap drill.

(See page 83)



What's the advantage of a male hex drive socket?

A male hex drive socket lets you quickly accommodate a different nut size without pulling the primary socket off the power tool.

(See page 85)

Reversible Sockets for SAE Hex Head Sheet Metal Screws

Standard

Part Number	Hex Size	Overall Length	Outside Diameter	Roll Pin Part Number
SW-350	1/4	9/16	3/8	21-S-078-0375
SH-402	13/16	3/4	13/16	21-S-078-0750

Magnetic

Part Number	Hex Size	Overall Length	Outside Diameter	Spring Pin Part Number
MSW-350•	1/4	31/32	3/8	21-S-078-0375
MSW-90	1/4	31/32	7/16	21-S-078-0437
MSW-90-B*•	1/4	31/32	7/16	21-S-078-0437
MSW-984	5/16	31/32	9/16	21-S-078-0562
MSW-984-B*•	5/16	31/32	9/16	21-S-078-0562
MSH-400	3/8	1 1/8	11/16	21-S-078-0687

**Tapered Ends*

Shanks for Reversible Sockets

Part Number	Male Hex Power Drive	Male Hex Size	Overall Length	
SH-629•	1/4	1/4	2	
SH-629-P•	1/4	1/4	2	Pin Lock
SH-629-5	1/4	1/4	5	
SH-629-6	1/4	1/4	6	
SH-57•	1/4	1/4	2	Full Length Hex
SH-57-3	1/4	1/4	3	Full Length Hex
SH-57-4	1/4	1/4	4	Full Length Hex
SH-57-6	1/4	1/4	6	Full Length Hex
SH-57-8	1/4	1/4	8	Full Length Hex
SH-59•	1/4	5/16	2	
SH-59-3	1/4	5/16	3	
SH-59-4•	1/4	5/16	4	
SH-59-6	1/4	5/16	6	
SH-412	1/4	3/8	2	
SH-414	1/4	1/2	2	
SH-404	7/16	3/8	2	

Valve Stem Drivers

1/4" Male Hex Drive

Part Number	Slot Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
SD-5197	0.09"	1.68	42.67	0.181	4.6
SD-5187	0.109"	2.5	63.50	0.176	4.5

Tap Holding Sockets

Male Hex Drive, SAE

(Tap not included)

Part Number	Tap Size	Male Hex	Socket Length In.	Socket Length mm	Socket Diameter In.	Socket Diameter mm
SJ-935-1/4	1/4	7/16	15/16	24	5/8	16
SJ-935-5/16•	5/16	1/2	15/16	24	5/8	16
SJ-935-3/8 FS	3/8	9/16	1	25	21/32	17
SJ-935-7/16	7/16	5/8	1	25	3/4	19
SJ-935-1/2	1/2	3/4	1 1/4	32	7/8	22

Male Hex Drive, Metric

(Tap not included)

Part Number	Tap Size	Male Hex	Socket Length In.	Socket Length mm	Socket Diameter In.	Socket Diameter mm
SJ-935-10MXM6•	M6	10	15/16	24	5/8	16
SJ-935-12MXM8•	M8	12	15/16	24	5/8	16
SJ-935-14MXM10•	M10	14	1	25	21/32	17
SJ-935-17MXM8	M8	17	1	25	13/16	21
SJ-935-17MXM12•	M12	17	1	25	13/16	21

Female Sq. Dr., SAE

Part Number	Tap Size	Female Square	Socket Length In.	Socket Length mm	Socket Diameter In.	Socket Diameter mm
HC-100-10	#10	3/8	1 1/2	38	3/4	19
HC-100-1/4•	1/4	3/8	1 1/2	38	3/4	19
HC-100-5/16•	5/16	3/8	1 1/2	38	3/4	19
HC-100-3/8 FS	3/8	3/8	1 1/2	38	3/4	19
HC-100-7/16•	7/16	3/8	1 1/2	38	3/4	19
HC-100-1/2•	1/2	3/8	1 1/2	38	3/4	19
HC-100-5/8•	5/8	3/8	1 3/4	46	1	25
HC-100-3/4•	3/4	3/8	2	51	1	25
HE-100-1/4	1/4	1/2	1 1/2	38	7/8	22
HE-100-5/16	5/16	1/2	1 1/2	38	7/8	22
HE-100-3/8 FS•	3/8	1/2	1 1/2	38	7/8	22
HE-100-7/16•	7/16	1/2	1 1/2	38	7/8	22
HE-100-1/2•	1/2	1/2	1 5/8	41	7/8	22
HE-100-5/8•	5/8	1/2	1 3/4	46	1	25
HE-100-3/4•	3/4	1/2	2	51	1	25

Ferry Cap® Sockets

3/8" Square Drive

Part Number	Head Size	Overall Length In.	Overall Length mm	Nose Diameter In.	Nose Diameter mm	Drive Diameter In.	Drive Diameter mm
FC-310	5/16"	1 1/4	31.75	15/32	11.9	5/8	15.9
FC-312	3/8"	1 1/4	31.75	9/16	4.3	3/4	19.0

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Grease Fitting Sockets

For Angled Grease Fittings, Deep and Shallow Broach Depth

Part Number 6 Point	Part Number Magnetic	Hex Size	Square Drive	Overall Length In.	Overall Length mm	Broach Depth In.	Broach Depth mm	Magnet Depth In.	Magnet Depth mm
ZN-112	-	3/8	1/4	1 1/4	32	9/16	14	-	-
ZN-312	MZN-312	3/8	3/8	1 1/2	38	9/16	14	7/32	6
ZN-512	-	3/8	1/2	1 1/2	32	9/16	14	-	-
ZN-114	-	7/16	1/4	1 1/4	32	7/16	11	-	-
ZN-314•	MZN-314	7/16	3/8	1 1/2	38	7/16	11	7/16	11
ZN-514	MZN-514	7/16	1/2	1 1/2	38	7/16	11	7/16	11
ZE-112	-	3/8	1/4	1 1/4	32	1/8	3	-	-
ZE-314•	-	7/16	3/8	1 1/2	38	3/16	5	-	-
ZE-514	-	7/16	1/2	1 1/2	38	3/16	5	-	-

For Straight Grease Fittings

Part Number 6 Point	Part Number Magnetic	Hex Size	Square Drive	Overall Length In.	Overall Length mm	Broach Depth In.	Broach Depth mm	Magnet Depth In.	Magnet Depth mm
ZA-110	MZA-110•	5/16	1/4	1	25	1/8	3	21/64	8
ZA-310	MZA-310•	5/16	3/8	1 1/4	32	1/8	3	21/64	8
ZA-510	MZA-510	5/16	1/2	1 1/2	38	1/8	3	19/64	7
ZA-512	-	3/8	1/2	1 1/2	38	1/8	3	-	-
ZA-314•	MZA-314•	7/16	3/8	1 1/4	32	3/16	5	23/64	9
ZA-514	MZA-514	7/16	1/2	1 1/2	38	3/16	5	3/8	10

Drill Holders

1/4" Male Hex Drive

Part Number	Drill Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
WJ-284-7/64	7/64	2 5/8	67	1/2	13
WJ-284-1/8	1/8	2 5/8	67	5/8	16
WJ-284-9/64	9/64	2 5/8	67	5/8	16
WJ-284-5/32	5/32	2 5/8	67	3/4	19
WJ-284-3/16	3/16	2 5/8	67	3/4	19
WJ-284-1/4•	1/4	2 5/8	67	3/4	19
WJ-284-5/16•	5/16	2 5/8	67	3/4	19
WJ-284-3/8•	3/8	2 5/8	67	1	25

7/16" Male Hex Drive

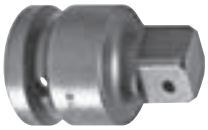
Part Number	Drill Size	Overall Length In.	Overall Length mm	Body Diameter In.	Body Diameter mm
WJ-265-13/64	13/64	2 3/8	60	3/4	19
WJ-265-3/16	3/16	2 3/8	60	3/4	19
WJ-265-1/4	1/4	2 3/8	60	3/4	19
WJ-265-7/16	7/16	2 3/8	60	1	25
WJ-265-3/8	3/8	2 3/8	60	1	25
WJ-265-17/32	17/32	2 3/8	60	1 1/8	29
WJ-265-1/2	1/2	2 3/8	60	1 1/8	29

#5 (1 5/8") Spline Drive

Extensions

Part Number	Overall Length In.	Overall Length mm	Description
EXL-15	15	381	Female spline to male spline

Adapters



Part Number	Description
EXL-1000	Female spline to 1" male square
EXL-1100	Female spline to 1 1/2" male square

Universal Wrenches

Part Number	Description
MFL-250	Female spline to male spline (heavy duty)
MFL-1000	Female spline to 1" male square

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

#5 (1 5/8") Spline Drive Budd Wheel Sockets

Combo. 13/16" Square 1 1/2" Hex

Part Number	Drive	Overall Length In.	Overall Length mm
HT-848	#5 Spline	4 1/4	108

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Socket Retaining Rings

Plastic Ring With Steel Insert

Part Number	Drive	Inside Diameter In.	Inside Diameter mm
10005S	3/4" Square	1 1/4	31.8
10032S•	3/4" Square	1 7/16	36.5
10034S•	3/4" Square	1 5/8	41.3
10008S•	1" Square	1 3/4	44.5
10010S•	1" Square	2	50.8
10015S•	1" Square	2 1/8	54.0
10016S•	1" Square	2 1/4	57.2
10017S	1" Square	2 1/2	63.5
10019S	1" Square	2 5/8	66.7
10020S	1 1/2" Square	2 7/8	73.0
10025S	1 1/2" Square	3 3/8	85.7

Metal Ring

Part Number	Drive	Inside Diameter In.	Inside Diameter mm
MET-1301C•	3/8" Square	.677	17.2
MET-1302C•	3/8" Square	.771	19.6
MET-1401C•	1/2" Square	.885	22.5
MET-1402C•	1/2" Square	1.086	27.6
MET-1600C•	3/4" Square	1.594	40.5
MET-1800C•	1" Square	1.948	49.5

Adapters

#130-A Yankee Drive for Spiral Type Driver

Part Number	Male Square In.	Overall Length In.	Overall Length mm	Shank Diameter In.	Shank Diameter mm
YK-250	1/4	1 15/16	49	.277	7.0
YK-370•	3/8	2 3/16	56	.277	7.0
YK-500	1/2	2 5/16	59	.277	7.0

#131-A Yankee Drive for Spiral Type Driver

Part Number	Male Square In.	Overall Length In.	Overall Length mm	Shank Diameter In.	Shank Diameter mm
YK-501	1/2	2 5/16	59	.310	8.0

#135-A Yankee Drive for Spiral Type Driver

Part Number	Male Square In.	Overall Length In.	Overall Length mm	Shank Diameter In.	Shank Diameter mm
YK-252	1/4	1 15/16	49	.215	5.5
YK-372•	3/8	2 3/16	56	.215	5.5
YK-502	1/2	2 5/16	59	.215	5.5

Female Threaded Adapters

Part Number	Female Thread	Male Square In.	Type of Lock
TH-257	3/8"-24	1/4	Pin
TH-377	3/8"-24	3/8	Pin
TH-501	3/8"-24	1/2	Pin
TH-378	1/2"-20	3/8	Pin
TH-502	1/2"-20	1/2	Pin

Male Threaded Adapters

Part Number	Male Thread	Hex Drive
TM-24•	3/8"-24	1/4
TN-24	3/8"-24	7/16
TM-20•	1/2"-20	1/4
TN-20•	1/2"-20	7/16

 • Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Adapters

Socket & Ratchet Wrench Adapters, SAE

Part Number	Male Square In.	Male Hex In.	Overall Length In.
A-108•	1/4	1/4	25/32
A-110•	1/4	5/16	25/32
A-112•	1/4	3/8	25/32
A-114•	1/4	7/16	25/32
A-116	1/4	1/2	25/32
A-118	1/4	9/16	25/32
A-120	1/4	5/8	25/32
A-312•	3/8	3/8	1 1/64
A-314•	3/8	7/16	1 1/64
A-316•	3/8	1/2	1 5/64
A-318•	3/8	9/16	1 5/64
A-320	3/8	5/8	1 5/64
A-322	3/8	11/16	1 5/64
A-324	3/8	3/4	1 5/64
A-328	3/8	7/8	1 5/64
A-512	1/2	3/8	1 3/32
A-514•	1/2	7/16	1 3/32
A-516•	1/2	1/2	1 3/32
A-518•	1/2	9/16	1 3/32
A-520•	1/2	5/8	1 1/8
A-522•	1/2	11/16	1 1/8
A-524•	1/2	3/4	1 1/8
A-526	1/2	13/16	1 1/8
A-528	1/2	7/8	1 1/8
A-530•	1/2	15/16	1 1/8
A-534	1/2	1 1/16	1 1/8
A-536	1/2	1 1/8	1 1/8
A-538	1/2	1 3/16	1 1/8
A-540	1/2	1 1/4	1 1/8

Socket & Ratchet Wrench Adapters, Metric

Part Number	Male Square In.	Male Hex mm	Overall Length In.	Overall Length mm
A-1-6mm	1/4	6	25/32	20
A-1-7mm	1/4	7	25/32	20
A-1-8mm•	1/4	8	25/32	20
A-1-9mm	1/4	9	25/32	20
A-1-10mm•	1/4	10	25/32	20
A-1-11mm	1/4	11	25/32	20
A-1-12mm	1/4	12	25/32	20
A-1-13mm	1/4	13	25/32	20
A-3-10mm•	3/8	10	15/16	24
A-3-11mm•	3/8	11	15/16	24
A-3-12mm•	3/8	12	15/16	24
A-3-13mm•	3/8	13	15/16	24
A-3-14mm•	3/8	14	15/16	24
A-3-15mm•	3/8	15	15/16	24
A-3-16mm•	3/8	16	15/16	24
A-3-17mm•	3/8	17	15/16	24
A-3-18mm•	3/8	18	15/16	24
A-3-19mm	3/8	19	15/16	24
A-5-10mm•	1/2	10	1 1/8	29
A-5-11mm	1/2	11	1 1/8	29
A-5-12mm	1/2	12	1 1/8	29
A-5-13mm•	1/2	13	1 1/8	29
A-5-14mm	1/2	14	1 1/8	29
A-5-15mm•	1/2	15	1 1/8	29
A-5-16mm•	1/2	16	1 1/8	29
A-5-17mm•	1/2	17	1 1/8	29
A-5-18mm•	1/2	18	1 1/8	29
A-5-19mm•	1/2	19	1 1/8	29
A-5-20mm	1/2	20	1 1/8	29
A-5-21mm•	1/2	21	1 1/8	29
A-5-22mm	1/2	22	1 1/8	29
A-5-23mm	1/2	23	1 1/8	29
A-5-24mm•	1/2	24	1 1/8	29
A-5-25mm	1/2	25	1 1/8	29

Sockets with Male Hex

Part Number	Female Square In.	Male Hex In.	Overall Length In.	Overall Length mm
SJ-375	5/16	3/8	13/16	21
SJ-379	1/2	3/8	1	25
SJ-380	9/16	3/8	1	25
SJ-349	3/8	7/16	15/16	24
SJ-350	7/16	7/16	15/16	24
SJ-351	1/2	7/16	1	25
SJ-352	9/16	7/16	1	25
SJ-360	3/8	1/2	15/16	24
SJ-361	7/16	1/2	15/16	24
SJ-241	1/2	1/2	1	25
SJ-362	9/16	1/2	1	25
SJ-364	11/16	1/2	1 3/16	30
SJ-55	7/16	9/16	15/16	24
SJ-66	1/2	9/16	1	25
SJ-67	9/16	9/16	1	25
SJ-68	5/8	9/16	1 1/8	28

Hex Drive Universal Adapters

Male Hex to Male Square – Extension

Part Number Standard	Tension	Male Sq. In.	Male Hex In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
-	KSM-25-3•	1/4	1/4	Pin	3	76	5/8	15.9
KCM-25-B-6	KSM-25-B-6	1/4	1/4	Ball	6	152	5/8	15.9
KCM-37-6	KSM-37-6	3/8	1/4	Pin	6	152	3/4	19.1
-	KSM-37-B-6	3/8	1/4	Ball	6	152	3/4	19.1

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-
Standard lengths are 3", 6", 9" and 12" (76, 152, 229 and 305mm).

• Indicates a commonly requested item that is either in stock or has a max typical leadtime of 2 weeks from the factory. No minimum on these items.

Screwdriver Bit Quotation Worksheet

For quotation only. Not an order.

NAME _____ TITLE _____

COMPANY _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

E-MAIL _____ PHONE _____ FAX _____

Style	Point Size
☐ Phillips	_____
☐ Phillips ACR®	_____
☐ Sloted	_____

Style	Point Size
☐ Torx®	_____
☐ Torx Plus®	_____
☐ Pozidriv®	_____

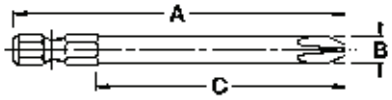
Style	Point Size
☐ Frearson/Reed Prince	_____
☐ Socket Head	_____
☐ Square Recess	_____

Style	Point Size
☐ Torx-Set®	_____
☐ Triple Square	_____
☐ Tri-Wing	_____
☐ Other _____	

Drive Type **Size**

- ☐ Hex Insert _____
- ☐ Hex Power _____
- ☐ Threaded _____
- ☐ Female Square _____
- ☐ Other _____

Dimensions



A. Overall Length _____ **B.** Body Diameter _____ **C.** Turned Length _____

Nylon Covers Requirements:

Components To Be Covered

- ☐ Bit only
- ☐ Bit and Bit Holder

Cover Features

- ☐ Flush with tip of bit
- ☐ Exposed tip of bit
- ☐ Retractable
- ☐ Embedded magnets
- ☐ Press fit
- ☐ Free-spinning (able to spin independently of part being covered)
- ☐ O.D. limitations (must specify) _____
- ☐ Other considerations (must specify) _____

Bit Holder Styles For Hex Insert Bits

- ☐ Magnetic
- ☐ O-Ring Retention
- ☐ Standard (Retaining Groove)
- ☐ Quick Release
- ☐ Other _____

Bit Holder Drive Types **Size**

- ☐ Hex Drive _____
- ☐ Female Square _____
- ☐ Other _____

Quantity _____

Applied or Driving Torque _____

Additional Specifications _____

_____

_____

_____

Fill out and Fax to your Apex representative. For assistance, please call your Apex representative.

Sockets Quotation Worksheet

For quotation only. Not an order.

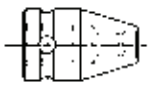
NAME _____ TITLE _____

COMPANY _____

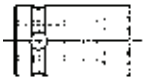
ADDRESS _____ CITY _____ STATE _____ ZIP _____

E-MAIL _____ PHONE _____ FAX _____

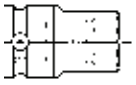
Socket Type



☐ Type A (tapered)



☐ Type B (straight)



☐ Type C (shouldered)

Broach Opening

☐ Hex

☐ Double Square

☐ Torx®

☐ Double Hex

☐ Fast Lead

☐ Other

☐ Square

☐ Surface Drive

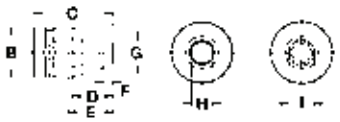
Magnetic

- ☐ Magnetic Bolt Clearance (MB)
- ☐ Magnetic Bolt Clearance, with retaining ring (RMB)
- ☐ Strip Magnet (SM)
- ☐ Fixed Magnet (M)
- ☐ Non-magnetic

Drive Configuration

- ☐ DIN Standard
- ☐ No DIN groove
- ☐ Cross Hole (one wall only)

Dimensions



A. Square drive _____
B. Drive end diameter _____
C. Overall length _____
D. Taper or shoulder length _____
E. Bolt clearance depth _____
F. Broach depth _____
G. Nose end diameter _____
H. Broach opening _____
I. Torx® size _____

Extensions **Size**

- ☐ Hex Drive _____
- ☐ Female Square _____
- ☐ Other _____

Extension Length

☐ No extension required

Quantity _____

Applied or Driving Torque _____

Nylon Covers Requirements:

Components To Be Covered

- ☐ Socket only
- ☐ Socket and Extension

Additional Specifications _____

Cover Features

- ☐ Exposed tip of socket hex
- ☐ Recessed tip of socket hex
- ☐ Flush tip of socket hex
- ☐ Press fit
- ☐ Free-spinning (able to spin independently of part being covered)
- ☐ O.D. limitations (must specify) _____
- ☐ Other considerations (must specify) _____

Fill out and Fax to your Apex representative. For assistance, please call your Apex representative.

Universal Wrench Quotation Worksheet

For quotation only. Not an order.

NAME _____ TITLE _____

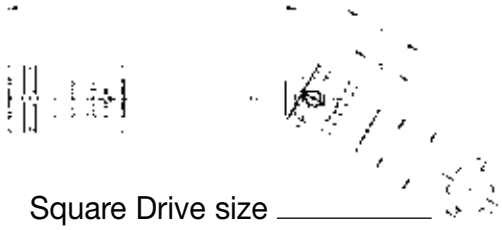
COMPANY _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

E-MAIL _____ PHONE _____ FAX _____

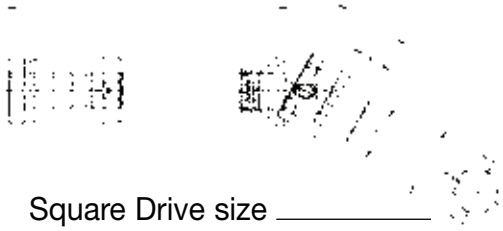
Dimensions

❑ Female square drive, standard type



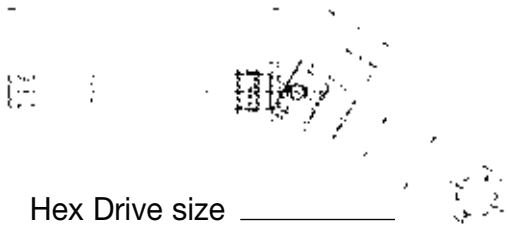
Square Drive size _____

❑ Female square drive, tension type



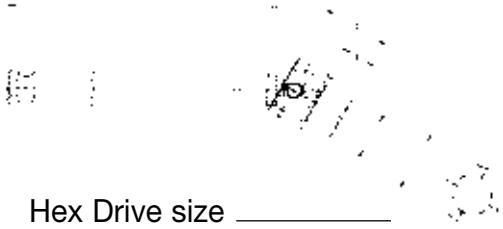
Square Drive size _____

❑ Male hex drive, standard type



Hex Drive size _____

❑ Male hex drive, tension type



Hex Drive size _____

❑ Female square drive, (short)

Square Drive size _____

B. Socket length _____ **C.** Socket diameter* _____

D. Socket nose dia. _____ **G.** Depth of Clearance _____

L. Shank length _____ **M.** Overall length _____

*Standard diameters are 5/8”, 3/4”, 7/8”, 1”, 11/4”, 1 1/2”, 1 3/4”, 2”

Broach Opening Style & Size

Hex _____ Double Hex _____ Quantity _____

Male square { ❑ Pin lock ❑ Ball lock ❑ Hole } _____ Applied or Driving Torque _____

Additional Specifications _____

Fill out and Fax to your Apex representative. For assistance, please call your Apex representative. Universal wrenches are not recommended for impact applications. Maximum operating angle 30°.

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The Total Solution

The total solution from Cooper Power Tools includes not only a complete line of quality industrial tools and accessories but also a professional engineering and product support staff to help customize each tool to specific application requirements. All are as close as a telephone or e-mail.

Cooper Power Tools maintains company-owned Service Centers in strategic locations throughout the world, staffed with professional tool repair technicians who use genuine Cooper Power Tools parts and who are outfitted with the very latest in testing, calibration and inspection equipment. Each tool that is returned to a customer from one of our Service Centers carries with it a warranty that is Cooper Power Tools' assurance that it will perform just like it did when it was purchased new.

Our support personnel are fully capable of helping to diagnose problems and promptly recommend solutions.

Our complete line of tools are carefully designed and built from the finest materials available in order to provide years of trouble free service. But, as with any piece of equipment, service problems can occur. All tools are designed to be easy to service ... that is, of course, with properly trained personnnel.

To facilitate quick repairs, and limit downtime ... Cooper Power Tools conducts training seminars covering all aspects of every tool we make.

Introductory training seminars are designed to fully acquaint students with the entire line of tools and their fundamental operation. Advanced training seminars, which are often tailored to individual needs, are designed to hone the skills of the experienced student. Hands-on experience, with an emphasis on troubleshooting and repairing, are the focus of this training.

Service literature, product information, brand catalogs and FAQs are also available around the clock on the Web. Just access ***www.cooperpowertools.com*** for the latest information available about any of our products and services.

Airctool
12.2
TM-COM
TM-COM
Cleco

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Dallas, TX

Cooper Power Tools
Sales & Service Center
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: (972) 641-9563
Fax: (972) 641-9674

Detroit, MI

Cooper Power Tools
Sales & Service Center
4121 North Atlantic Blvd.
Auburn Hills, MI 48326
Tel: (248) 391-3700
Fax: (248) 391-6295

Houston, TX

Cooper Power Tools
Sales & Service Center
6550 West Sam Houston
Parkway North, Suite 200
Houston, TX 77041
Tel: (713) 849-2364
Fax: (713) 849-2047

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Cooper Power Tools
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670 Industrial Drive
Lexington, SC 29072
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Cooper Power Tools Is On The Web!

Cooper Power Tools provides a complete resource for power tools on-line. Our website ***www.cooperpowertools.com*** offers product information, service literature, brand catalogs, press releases and more. A dominant source of information, the Cooper Power Tools website is your source for application solutions on-line.

Making your job easier is our goal!

You can access service literature anytime. Choose a category such as Assembly Tools or Material Removal Tools from the main menu and then click on the brand you're looking for. You'll be on your way to any current service literature you need, whether it's Cleco, Apex, Master Power, or any of our power tool brands.

Up-to-date product catalogs are also available online providing you with current information on our broad product line. Even Material Safety Data Sheets (M.S.D.S.) for Safety and Disposal Information are available on our website.

It's simple!

Our *Customer Care* section provides you with information such as answers to frequently asked questions or contact phone numbers and addresses for your area of the country. You can browse through the *What's New* information to learn how Cooper Power Tools continues to be your source for solutions.

For even faster searches, you can go direct to a brand site by simply entering the brand name. Entering ***www.dotco-tools.com*** takes you directly to the Dotco brand site.

What is the future of ***www.cooperpowertools.com***? A dynamic site continuing to focus on your need for up-to-date information on the latest Cooper Power Tools' offerings that you can access anytime you need... twenty-four hours a day, seven days a week!

Order Catalogs & Literature On-Line

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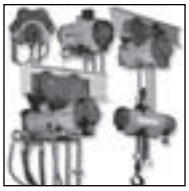
Cooper Power Tools covers a wide range of industrial markets, including aerospace, automotive, foundries, furniture, general industry, metal fabrication, petroleum, power generation, shipbuilding, and transportation. These markets have been served by Cooper Power Tools' brands for many decades, by offering our customers solutions and products that meet their demanding productivity requirements.

To receive a product catalog quickly, just go to ***www.cooperpowertoolscatalogs.com***. Select the literature or software you want. Then complete the "Contact Information" form, hit "Submit Request" and your order will be processed immediately. Materials normally arrive within 48 hours.

Below are a few of our more popular product catalogs

Apex Fastener Tools
A comprehensive line of industrial quality bits, finders, sockets and extensions.
(Catalog # TC-100)
www.apex-tools.com

Dotco/Cleco Material Removal Tools
A full line of pneumatic material removal tools including drills, sanders, and grinders.
(Catalog # SP-102)
www.dotco-tools.com



Gardner-Denver Air Hoists
A broad line of quality pneumatic hoists for industrial applications.
(Catalog # SP-103)
www.gardnerdenvertools.com

Apex Universal Joints
Industrial quality universal joints that can be custom designed for most any application.
(Catalog # SP-1400)
www.apexuniversal.com

Buckeye • Dotco • Gardner-Denver Power Motors
A comprehensive line of industrial pneumatic motors for a multitude of applications.
(Catalog # SP-104)
www.buckeye-tools.com

Master Power Industrial Air Tools
A complete line of industrial pneumatic tools for assembly and material removal applications.
(Catalog # SP-904)
www.masterpowertools.com

Cleco Pneumatic Assembly Tools
A full line of industrial pneumatic assembly tools from screwdrivers to nutrunners to impacts.
(Catalog # SP-1000)
www.clecotools.com

Buckeye Fixtured Drills
An extensive line of industrial pneumatic fixtured drills.
(Catalog # SP-105)
www.buckeye-tools.com

Utica Torque Products
A full line of torque measuring products including torque screwdrivers, torque wrenches and analyzers.
(Catalog # SP-301)
www.uticatools.com

Cleco D.C. Electric Assembly Tools
A complete line of industrial D.C. electric assembly tools and controllers.
(Catalog # SP-105)
www.clecotools.com

Airetool Tube Cleaners & Expanders
A complete line of industrial tube cleaners, expanders and installation tools.
(Catalog # SP-1100)
www.airetools.com

Conversion Tables

Millimeter – Decimal – Fraction

mm	Dec.	in.	mm	Dec.	in.	mm	Dec.	in.	mm	Dec.	in.	mm	Dec.	in.m
0.100	.0039		**5.159**	**.2031**	**13/64**	10.200	.4016		15.300	.6024		20.300	.7992	
0.200	.0079		5.200	.2047		10.300	.4055		15.400	.6063		20.400	.8031	
0.300	.0118		5.300	.2087		**10.319**	**.4063**	**13/32**	**15.478**	**.6094**	**39/64**	20.500	.8071	
0.397	**.0156**	**1/64**	5.400	.2126		10.400	.4094		15.500	.6102		20.600	.8110	
0.400	.0157		5.500	.2165		10.500	.4134		15.600	.6142		**20.638**	**.8125**	**13/16**
0.500	.0197		**5.556**	**.2188**	**7/32**	10.600	.4173		15.700	.6181		20.700	.8150	
0.600	.0236		5.600	.2205		10.700	.4219		15.800	.6220		20.800	.8189	
0.700	.0276		5.700	.2244		**10.716**	**.4219**	**27/64**	**15.875**	**.6250**	**5/8**	20.900	.8228	
0.794	**.0313**	**1/32**	5.800	.2283		10.800	.4252		15.900	.6250		21.000	.8268	
0.800	.0315		5.900	.2323		10.900	.4291		16.000	.6299		**21.034**	**.8182**	**53/64**
0.900	.0354		**5.953**	**.2344**	**15/64**	11.000	.4331		16.100	.6339		21.100	.8307	
1.000	.0394		6.000	.2362		11.100	.4370		16.200	.6378		21.200	.8307	
1.100	.0433		6.100	.2402		**11.113**	**.4375**	**7/16**	**16.272**	**.6406**	**41/64**	21.200	.8346	
1.191	**.0469**	**3/64**	6.200	.2441		11.200	.4409		16.300	.6417		21.300	.8386	
1.200	.0472		6.300	.2480		11.300	.4449		16.400	.6457		21.400	.8425	
1.300	.0512		**6.350**	**.2500**	**1/4**	11.400	.4488		16.500	.6496		**21.431**	**.8438**	**27/32**
1.400	.0551		6.400	.2520		11.500	.4528		16.600	.6535		21.500	.8465	
1.500	.0591		6.500	.2559		**11.509**	**.4531**	**29/64**	**16.669**	**.6563**	**21/32**	21.600	.8504	
1.588	**.0625**	**1/16**	6.600	.2598		11.600	.4567		16.700	.6575		21.700	.8543	
1.600	.0630		6.700	.2638		11.700	.4606		16.800	.6614		21.800	.8583	
1.700	.0669		**6.747**	**.2656**	**17/64**	11.800	.4646		16.900	.6654		**21.828**	**.8594**	**55/94**
1.800	.0709		6.800	.2677		11.900	.4685		17.000	.6693		21.900	.8622	
1.900	.0748		6.900	.2717		**11.906**	**.4688**	**15/32**	**17.066**	**.6719**	**43/64**	22.000	.8661	
1.984	**.0781**	**5/64**	7.000	.2756		12.000	.4724		17.100	.6732		22.100	.8701	
2.000	.0878		7.100	.2795		12.100	.4764		17.200	.6772		22.200	.8740	
2.100	.0827		**7.144**	**.2813**	**9/32**	12.200	.4803		17.300	.6811		**22.225**	**.8750**	**7/8**
2.200	.0866		7.200	.2835		12.300	.4843		17.400	.6850		22.300	.8780	
2.300	.0906		7.300	.2874		**12.303**	**.4844**	**31/64**	**17.463**	**.6875**	**11/16**	22.400	.8819	
2.381	**.0938**	**3/32**	7.400	.2913		12.400	.4882		17.500	.6890		22.500	.8858	
2.400	.0945		7.500	.2953		12.500	.4921		17.600	.6929		22.600	.8898	
2.500	.0984		**7.541**	**.2969**	**19/64**	12.600	.4961		17.700	.6968		**22.622**	**.8906**	**57/64**
2.600	.1024		7.600	.2992		**12.700**	**.5000**	**1/2**	17.800	.7008		22.700	.8937	
2.700	.1063		7.700	.3031		12.800	.5039		**17.859**	**.7031**	**45/64**	22.800	.8976	
2.778	**.1094**	**7/64**	7.800	.3071		12.900	.5079		17.900	.7047		22.900	.9016	
2.800	.1102		7.900	.3110		13.000	.5118		18.000	.7087		23.000	.9055	
2.900	.1142		**7.938**	**.3125**	**5/16**	**13.097**	**.5156**	**33/64**	18.100	.7126		**23.019**	**.9063**	**29/32**
3.000	.1181		8.000	.3150		13.100	.5157		18.200	.7165		23.100	.9094	
3.100	.1220		8.100	.3189		13.200	.5197		**18.256**	**.7188**	**23/32**	23.200	.9134	
3.175	**.1250**	**1/8**	8.200	.3228		13.300	.5236		18.300	.7205		23.300	.9173	
3.200	.1260		8.300	.3268		13.400	.5276		18.400	.7244		23.400	.9213	
3.300	.1299		**8.334**	**.3281**	**21/64**	**13.494**	**.5313**	**17/32**	18.500	.7283		**23.416**	**.9219**	**59/64**
3.400	.1339		8.400	.3307		13.500	.5315		18.600	.7323		23.500	.9252	
3.500	.1378		8.500	.3346		13.600	.5354		**18.653**	**.7344**	**47/64**	23.600	.9291	
3.572	**.1406**	**9/64**	8.600	.3386		13.700	.5394		18.700	.7362		23.700	.9331	
3.600	.1417		8.700	.3425		13.800	.5433		18.800	.7402		23.800	.9370	
3.700	.1457		**8.731**	**.3438**	**11/32**	**13.891**	**.5469**	**35/64**	18.900	.7441		23.900	.9409	
3.800	.1496		8.800	.3465		13.900	.5472		19.000	.7480		24.000	.9449	
3.900	.1535		8.900	.3504		14.000	.5512		**19.050**	**.7500**	**3/4**	24.100	.9488	
3.969	**.1563**	**5/32**	9.000	.3543		14.100	.5551		19.100	.7520		24.200	.9528	
4.000	.1575		9.100	.3583		14.200	.5591		19.200	.7559		**24.209**	**.9531**	**61/64**
4.100	.1624		**9.128**	**.3594**	**23/64**	**14.288**	**.5625**	**9/16**	19.300	.7598		24.300	.9567	
4.200	.1654		9.200	.3622		14.300	.5630		19.400	.7638		24.400	.9606	
4.300	.1693		9.300	.3661		14.400	.5669		**19.447**	**.7656**	**49/64**	24.500	.9646	
4.366	**.1719**	**11/64**	9.400	.3701		14.500	.5709		19.500	.7677		24.600	.9685	
4.400	.732		9.500	.3740		14.600	.5748		19.600	.7717		**24.606**	**.9688**	**31/32**
4.500	.1772		**9.525**	**.3750**	**3/8**	**14.684**	**.5781**	**37/64**	19.700	.7756		24.700	.9724	
4.600	.1811		9.600	.3780		14.700	.5787		19.800	.7795		24.800	.9764	
4.700	.1850		9.700	.3819		14.800	.5827		**19.844**	**.7813**	**25/32**	24.900	.9803	
4.763	**.1875**	**3/16**	9.800	.3858		14.900	.5866		19.900	.7835		25.000	.9843	
4.800	.1890		9.900	.3898		15.000	.5906		20.000	.7874		**25.003**	**.9844**	**63/64**
4.900	.1929		**9.922**	**.3902**	**25/64**	**15.081**	**.5938**	**19/32**	20.100	.7913		25.100	.9882	
5.000	.1969		10.000	.3937		15.100	.5945		20.200	.7953		25.200	.9921	
5.100	.2008		10.100	.3976		15.200	.5984		**20.241**	**.7969**	**51/64**	25.300	.9961	
												25.400	**1.000**	**1**