

TOOLS UNLIMITED

PRESENTS

A PREMIUM HAND TOOL LINE

EQUIVELANT TO

PROTO SK ARMSTRONG

But WITHOUT THE HIGH PRICE

URREA

PROFESSIONAL TOOLS

URREA

DRIVERS

SCREWDRIVER SETS

355



SCREWDRIVERS WITH INTERCHANGEABLE TIPS

363



1000-VOLT SCREWDRIVERS

367



PRECISIONED SCREWDRIVERS

368



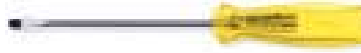
CUSHION GRIP SCREWDRIVERS

370



AMBER SCREWDRIVERS

372



R SERIES SCREWDRIVERS

375



INTERCHANGEABLE TIPS FOR SCREWDRIVERS AND POWER DRIVERS

379



HEX KEYS

391



In this section you will find tools and accessories for tightening and loosening a wide variety of fasteners, including standard screws, hex-head screws, bolts, and studs. These tools are known as drivers or screwdrivers. They consist of a steel shank with a special tip to fit the screw and a comfortable handle for holding them and applying torque. There are also varieties consisting of just the steel bar, bent into an L- or T-shape as with hex keys, or just the tips which can be attached to manual or power drivers. Drivers and their variations are used everywhere and are found in any practical workplace imaginable. Obviously, they are used in countless industrial and automotive servicing activities.

Screws are used to securely join components or parts made of various materials in a wide variety of furniture, machinery, and equipment, or just to attach one object to another. In most cases, a screw is a bolt or stud with a spiral thread and a top called a head. The shape of the head indicates the type of material for which the screw is designed, as shown in the table. It acts based on rotating motion, which works with its thread to move it through the items to be joined. Screw heads come in a wide variety of designs for interfacing with the driver. Some of these designs are patented by certain screw manufacturers. The most common designs are straight slot, Phillips, hex socket, Torx®¹, and their variations, but there are others such as square socket, Bristol or triple square, rosette or clutch, etc., each requiring the right tip on the tool that will be used to tighten or loosen them. In many applications, screws are used with other fastening elements such as nuts, washers, etc. The shape of the nut, generally double hex, hex, or square, determines the type of tool used to drive it.

The URREA drivers in this section include manual drivers, screwdrivers, hex keys, interchangeable tips, and accessories. This section also includes power tips that can be used with power tools like the pneumatic drivers in section 14.

First we have screwdrivers. In this section we have a selection of screwdrivers with a variety of designs and handle materials: 1000-V dielectric, Precision antistatic, Cushion Grip, Amber, and R Series. Each line includes different options for shank type, shank length, and tips. The screwdrivers in our 1000-V dielectric line are manufactured and rigorously tested one-by-one for working on live electrical lines. The Precision line is manufactured using ESD (Electro Static Dissipative) antistatic materials, designed to dissipate static electricity and prevent damage to delicate electronic circuit components. The Cushion Grip line is manufactured of translucent acetate covered with a comfortable cushioned rubber handle. The Amber line is the classic URREA screwdriver, made of translucent acetate that lets you appreciate its precision manufacturing and the deep insertion of the shank. The R Series offers an attractive alternative in a red polypropylene handle with a triangular section, designed for optimum fit in your hand. There are also screwdrivers with interchangeable tips and a variety of handle options.

The following group consists of interchangeable tips for screwdrivers and power drivers. You're sure to find the best option for your needs. Flat, Phillips, Torx® anti-theft, Torx®, hex, square, hex socket, double, and Bristol (triple square) tips.

Finally, our supply of hex keys, including a wide variety of styles, lengths, and presentations: "T" handle, "L" handle, with or without grip, short or long, ball

or straight tip and folding sets.

URREA drivers:

- Offer a widely varied product line with more than 150 drivers.
 - 1000-V, Precision antistatic, Cushion Grip, Amber, and R Series handles.
 - Flat, Cabinet, Phillips, Hex, and Torx® tips.
 - In inches and metric system sizes.
 - Round, square, and hex shanks.
 - Chrome-plated and Black shanks.
 - Shank diameters from 3/64" to 3/8" and 3 mm to 11 mm.
- Grouped and combined in over 45 sets, available in practical cases for transporting and organizing them.
- Shanks are made of high-quality chromium-molybdenum micro-alloy steel, precision machined and heat treated to provide the best combination of hardness, strength, and torsion resistance.
- Shanks have a corrosion-resistant nickel-chromium coating or a Black finish that resists corrosion and won't flake off.
- All URREA screwdriver shanks are "demagnetized," meaning that they are free of any magnetic force that might damage electrical or electronic components. For applications requiring a magnetized shank, a practical magnetizer/demagnetizer is available.
- Tips have a tough finish that keeps them from slipping and are blued to prevent the coating from flaking off. This makes all URREA screwdrivers useful in FOD (Foreign Object Debris) applications.
- Compliant with American and European domestic and international standards.
- Country of origin stamped permanently and indelibly on each tool, reinforcing their high-quality image. This country of origin mark complies with ASME/ANSI standards and with USA Federal Trade Commission regulations.
- 1000-V screwdrivers comply with German Electricians' Association (VDE) specifications.

The information presented in this chapter is organized as follows:

- **Technical standards**
- **Manufacturing process.**
- **Quick selection guide**
- **Detailed product specifications.**
- **Safety recommendations.**

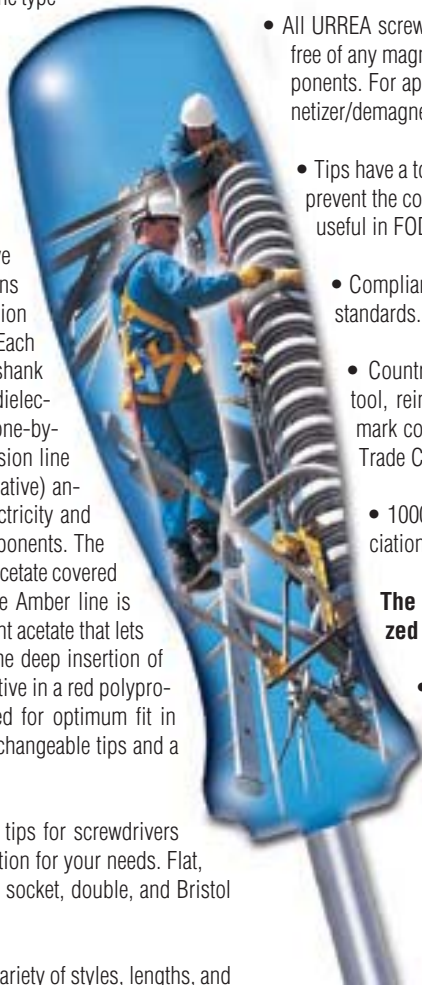












TABLE OF STANDARD TORQUE VALUES IN LB-FT



FAS-TENER	TYPE	MIN. TORQUE RESIS-TANCE	MATERIAL																																												
				2"	3"	4"	5"	6"	8"	10"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/4"	2 1/2"	2 3/4"	3"															
	SAE 0-1-2	74,000 PSI	LOW-CARBON STEEL																	6	12	20	32	47	69	96	155	206	310	480	675	900	1,100	1,470	1,900	2,360	2,750	3,450	4,400	7,350	9,500						
	SAE 3	100,000 PSI	MEDIUM-CARBON STEEL																	9	17	30	47	69	108	145	234	372	551	872	1,211	1,624	2,100	2,660	3,463	4,695	5,427	7,226	8,049	13,450	17,548						
	SAE 5	120,000 PSI	HEAT-TREATED MEDIUM-CARBON STEEL																	10	19	33	54	78	114	154	257	382	567	794	1,105	1,500	1,943	2,425	3,150	4,200	4,550	6,550	7,175	13,000	16,000						
	SAE 6	133,000 PSI	MEDIUM-CARBON STEEL, TEMPERED AND IMMERSION-COOLED																	12.5	24	43	69	106	150	209	350	550	825	1,304	1,815	2,424	2,913	3,985	5,189	6,980	7,491	10,825	14,893	20,151	26,286						
	SAE 7	133,000 PSI	MEDIUM-CARBON ALLOY STEEL																	13	25	44	71	110	154	215	360	570	840	1,325	1,825	2,500	3,000	4,000	5,300	7,000	7,500	11,000	15,500	21,000	27,000						
	SAE 8	150,000 PSI	MEDIUM-CARBON ALLOY STEEL																	14	29	47	78	119	169	230	380	600	900	1,430	1,975	2,650	3,200	4,400	5,650	7,600	8,200	12,000	17,000	23,000	29,000						
	SOCKET HEAD CAP SCREW	160,000 PSI	HIGH-CARBON HARDENED STEEL																	16	33	54	84	125	180	250	400	640	970	1,520	2,130	2,850	3,450	4,700	6,100	8,200	8,800	13,000	18,000	24,000	31,000						
	SOCKET HEAD CAP SCREW	212,000 PSI	HIGH-CARBON HARDENED STEEL						9*	16*	30*	70*	140*	18	29	43	63	100	146																												
	BRASS MACHINE SCREW	60,000 PSI	COPPER (Cu) 63% ZINC (Zn) 37%	2*	3.3*	4.4*	6.4*	8*	16*	20*	65*	110*	17	27	37	49	78	104	160	215																											
	TYPE B BRASS SILICON	70,000 PSI	COPPER (Cu) 63% ZINC (Zn) 37% SILICON (Si) 2%	2.3*	3.7*	4.9*	7.2*	10*	19*	22*	70*	125*	20	30	41	53	88	117	180	250																											

8



Use SAE values of 2, 5 or 8 when grade is known and the nut is strong enough.
CAUTION. Many factors affect torque; the values stated here are safe for standard torque applications only. Values in lb-in.

SCREWDRIVER BLADE SIZES

SLOTTED-HEAD TOOLS AND SCREWS 		PHILLIPS-HEAD TOOLS AND SCREWS 	
BLADE SIZE	SCREW SIZE	BLADE SIZE	SCREW SIZE
0.237 cms (3/32")	0 and 1	0	0 and 1
0.317 cms (1/8")	2	1	2 to 4
0.396 cms (5/32")	3	2	5 to 9
0.476 cms (3/16")	4 and 5	3	10 to 16
0.635 cms (1/4")	6 and 7	4	18 to 24
0.79 cms (5/16")	8 to 10		
0.95 cms (3/8")	12 to 14		
1.106 cms (7/16")	16 to 18		
1.27 cms (1/2")	18 to 24		
The table shows slotted-head screwdriver tip widths and corresponding screw sizes. Phillips-head screwdriver sizes are designated by number.			



TYPES OF URREA SCREWDRIVER TIPS

FLAT TIP ROUND SHANK



SUITABLE FOR USE WITH SLOTTED SCREWS. THE BLADE IS WIDER AT THE TIP FOR GREATER TORSION RESISTANCE.

CABINET TIP ROUND SHANK



THE BLADE AND SHANK HAVE THE SAME DIAMETER, FOR ACCESS TO SCREWS SUNK IN NARROW HOLES.

FLAT TIP SQUARE SHANK



SUITABLE FOR USE WITH SLOTTED SCREWS. THE SQUARE SHANK LETS YOU USE A WRENCH TO APPLY MORE TORQUE.

PHILLIPS TIP ROUND SHANK



SUITABLE FOR USE WITH PHILLIPS-HEAD SCREWS.

TORX® TIP



THIS DESIGN PERMITS GREATER TORQUE, LESS TOOL WEAR, AND ELIMINATES THE FORCE THAT TENDS TO PUSH THE TOOL OUT OF THE SCREW HEAD.

ANTI-THEFT TORX® TIP (TAMPER-RESISTANT)



DESIGNED FOR USE WITH ANTI-THEFT TORX SCREWS.

HEX DRIVER TIP



IDEAL FOR ELECTRONIC ASSEMBLY WORK. OPENINGS ARE PRECISION-CRAFTED FOR A PERFECT FIT AND HEAT-TREATED FOR A LONG LIFE. HOLLOW SHANK TO ACCOMMODATE THE SCREW SHAFT.

HEX TIP



DESIGNED FOR USE WITH HEX SOCKET-HEAD SCREWS.

BALL-TYPE HEX TIP



DESIGNED FOR USE WITH HEX SOCKET-HEAD SCREWS.

ROBERTSON® SQUARE TIP



DESIGNED FOR USE WITH ROBERTSON SCREWS.

¹ Torx® is a registered trademark of Camcar / Textron, Inc., Rokford, Illinois, USA.

ROBERTSON® is a registered trademark of Robertson Canada.

GUIDE TO URREA SCREWDRIVERS

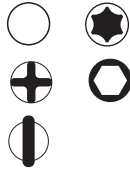
1000-VOLT DIELECTRIC SCREWDRIVERS

- Flat tip, round shank: 971X
- Phillips tip: 970X



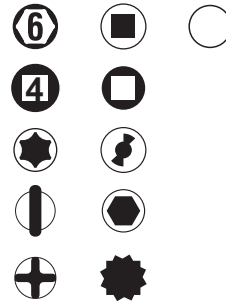
PRECISION SCREWDRIVERS

- Flat tip, round shank: 950X
- Phillips tip: 951X
- Torx tip: 951X
- Hex driver tip: 954X



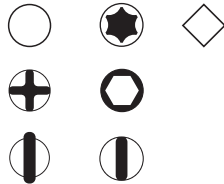
SCREWDRIVERS WITH INTERCHANGEABLE TIPS

- 93XXMS



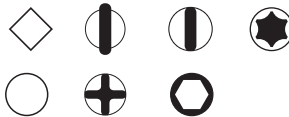
CUSHION GRIP HANDLE

- Flat tip, round shank: 940X and 941X
- Flat tip, square shank: 942X
- Cabinet tip: 943X
- Phillips tip: 948X
- Hex driver tip, hollow shank: 92XXH



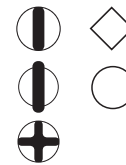
AMBER HANDLE

- Flat tip, round shank: 96XX
- Flat tip, square shank: 98XX
- Cabinet tip: 96XX
- Phillips tip: 968X
- Hex driver tip: 92XX and 92XXM
- Torx tip: 93XXW



RED HANDLE

- Flat tip, round shank: 960XR
- Flat tip, square shank: 98XXR
- Phillips tip: 968XR
- Cabinet tip: 96XXR



8

GUIDE TO SYMBOLS

- 6-point end (hexagonal) in inches
- 6-point end (hexagonal) in millimeters, round shank
- 1" square drive
- 1/4" square drive
- 1/4" hex drive
- Hex tip
- Square tip
- Female
- Male

- Round shank
- Square shank
- Flat tip round
- Flat tip square
- Cabinet tip round
- Phillips tip
- Bristol tip
- Hex driver tip

- Torx® Tip
- Torx® Plus Tip
- Female Torx® Tip
- Torx® Tamper-Proof Tip
- Torx® Plus Tamper-Proof Tip
- Clutch tip
- Case
- Metal box
- Plastic box

- ESD- Electrostatic Dissipative
- Packing material
- Plastic socket holder
- BLACK Blued finish
- CUSHION GRIP Soft plastic handle
- amber Amber acetate handle
- red Red polypropylene handle
- 1000V Dielectric handle

TECHNICAL STANDARDS FOR DRIVERS

URREA manufactures tools in accordance with product technical standards.

A product technical standard is documents that specifies basic design and manufacturing guidelines to ensure the adequate performance of products under the conditions required by users, and which are issued by private or government organizations and associations.

The only organization to issue international standards is known as ISO (International Organization for Standardization), which develops the ISO 9000 series regarding quality systems, but it also issues product technical standards. In the United States there are several organizations that issue or have issued standards, such as GSA/US FEDERAL, ASME, ANSI, SAE, and NOM. In Europe, the DIN (Deutsches Institut für Normung e.V. – German Standardization Institute) encompasses various organizations and commissions dedicated to promoting the standardization and quality of products marketed in Germany.

The Federal standards for hand tools are no longer being updated and are being taken over by ASME, and the same thing is occurring with standards that used to be issued by ANSI.

Currently, ASME standards for hand tools are initially reviewed by committees made up of different tool manufacturers, users and marketers, and subsequently approved and issued by ASME.

SAE standards (especially those applicable to the aerospace industry) are stricter standards that usually require tools to have smaller dimensions and greater strength.

ISO 1173	“Assembly tools for screws and nuts – drive ends for hand- and machine-operated screwdriver bits and connecting parts-Dimencions, torque tesing
ISO 2351-1	“Assembly tools for screws and nuts – Machine-operated screwdriver bits part1: Screwdriver bits for slotted head screws”
ISO 2351-2	“Assembly tools for screws and nuts – Machine-operated screwdriver bits part2: Screwdriver bits for cross-recessed head screws”
ISO 2351-3	“Assembly tools for screws and nuts – Machine-operated screwdriver bits part3: Screwdriver bits for hexagon socket screws”
ISO 8764-2	“screwdrivers for cross-recessed head screws; part 2: general requirements, lengths of blades and marking of hand-operated screwdrivers”
ISO 2351	Screwdriver bits for slotted head screws, with male hexagon drive”

<h3>NOM</h3>	
NOM-0-85	“Destornilladores barra fija con mango de plástico”

B107.31M	“Screwdriver, Cross tip Gaging Standard”
B107.15	“Flat tip and Phillips Screwdrivers”
B107.12	“Nut Drivers (Spintype, Screwdriver Grip) (inch Series)
B107.15	“Flat Tip Screwdrivers marked up”
B107.35M	“Nut Druvers-Spin Type Screwdriver”

DIN8320	“Screwdrivers for slotted screws for fine mechanics”
DIN3115-1	“Slotted screwdrivers”
DIN5200	“Screwdrivers for slotted head screws, double offset; dimensions”
DIN5268-2	“Plastic handles for screwdriver”

GGG-S-121E	“Screwdriver and screw starter, hand”
GGG-S-W-657C	“Wrench, socket (spin type, Screwdriver grip)”
GGG-S-B-1013	“Bit, Screwdriver (torq-set)”
GGG-S-B-379	“Bit, Screwdriver (Phillips type)”

SPECIFICATIONS FOR THE DESIGN AND MANUFACTURE OF INDUSTRIAL DRIVERS

One relevant aspect of compliance with ASME standard B 107.15 regarding screwdrivers is marking, because it is through this process that a tool can be identified by the user, and supported and guaranteed by the manufacturer.

ASME B107.15 marking

Screwdrivers must be marked on the handle with the manufacturer’s name, the product code or part number, and the country of origin. The brand and the country of origin must be marked legibly.

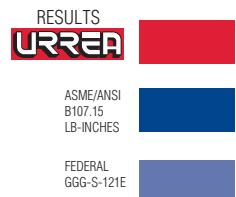
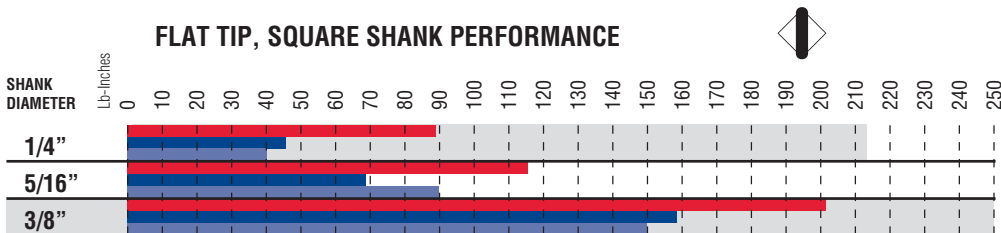
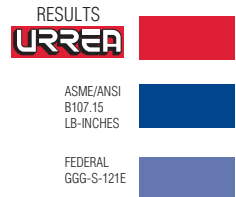
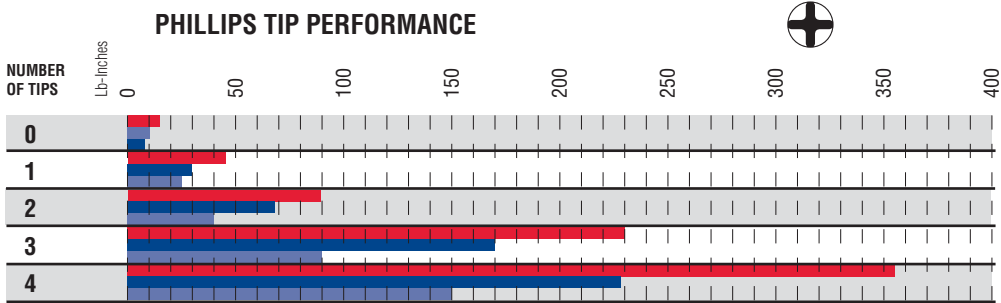
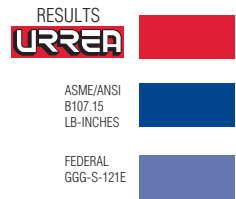
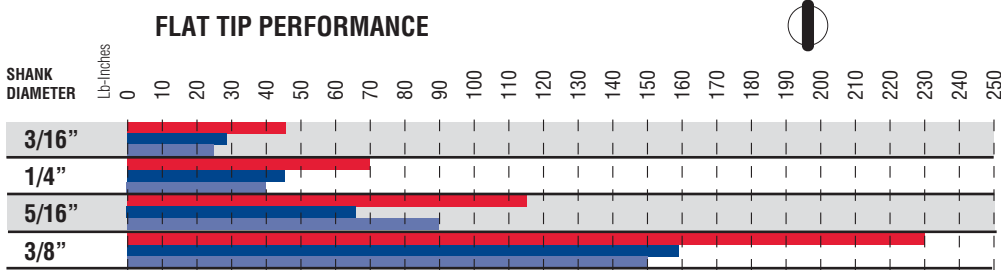
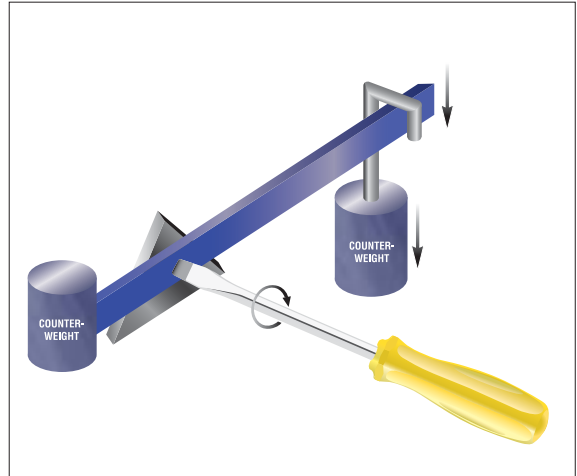
TORSION AND ASSEMBLY TEST, ASME STANDARD B107.15

Torsion Test, ASME standard B107.15

Screwdrivers experience a torsion force applied to the center of the handle, and a screwdriver is considered to have failed when, at the minimum torque or value specified in the screwdriver's specifications, visible fractures or deformations appear in its original structure, or it will not engage with the test equipment. The load must be applied by a device that produces uniform torque.

Assembly Test, ASME standard B107.15

This test must be conducted by uniformly preheating the tool to 125 degrees Fahrenheit ($\pm 5^\circ\text{F}$) and applying a load to it one minute after heating. Torque must be applied so that it acts on the part closest to the natural grip on the handle, perpendicular to the shaft. The screwdriver must be held securely by the tip.

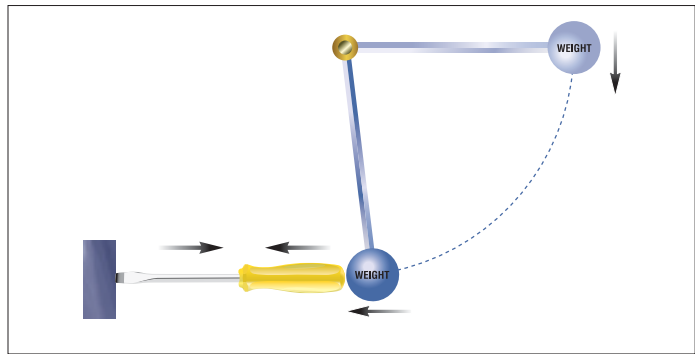


IMPACT TEST, ASME STANDARD B107.15

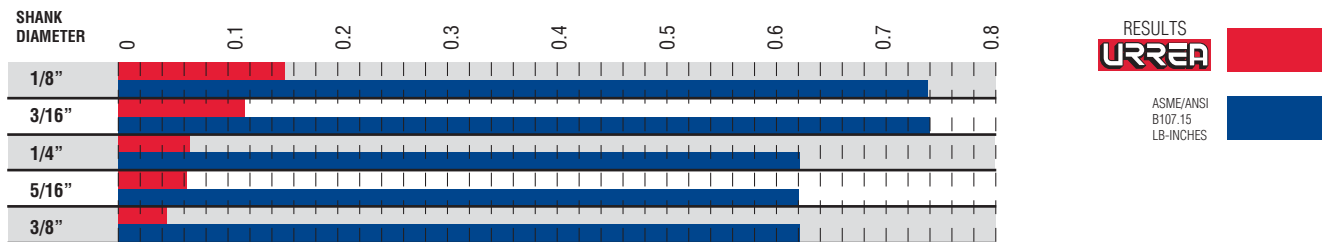
IMPACT TEST, ASME STANDARD B107.15

Every screwdriver must be mounted vertically in a vise, then have a weight dropped by the testing device that strikes the screwdriver on the back of the handle.

A pendulum swings a 15-lb weight that strikes the top of the screwdriver handle 10 times, and the handle must not be fractured or deformed after the test, nor may the shank penetrate into the handle more than 0.620". For shank diameters of 0.190" and less, penetration of 0.750" is acceptable.

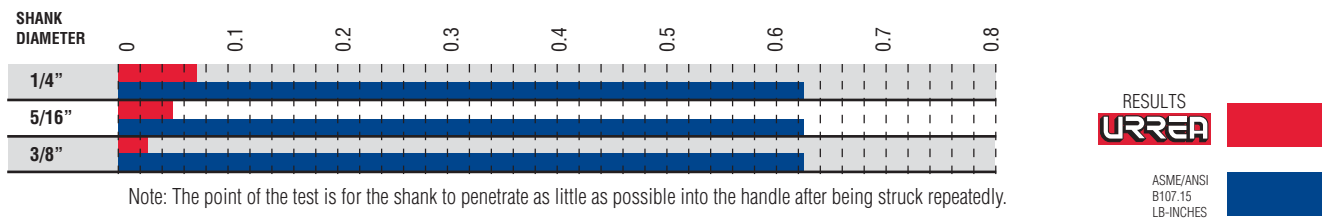


IMPACT TEST PERFORMANCE OF ROUND SHANK SCREWDRIVERS



Note: The point of the test is for the shank to penetrate as little as possible into the handle after being struck repeatedly.

IMPACT TEST PERFORMANCE OF SQUARE SHANK SCREWDRIVERS

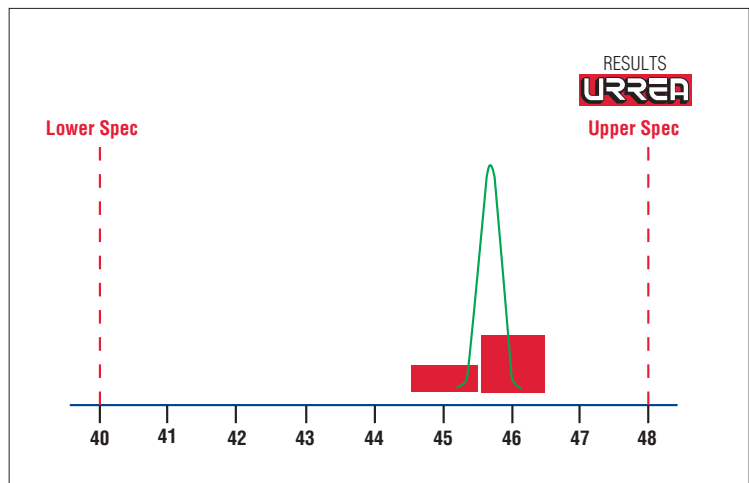
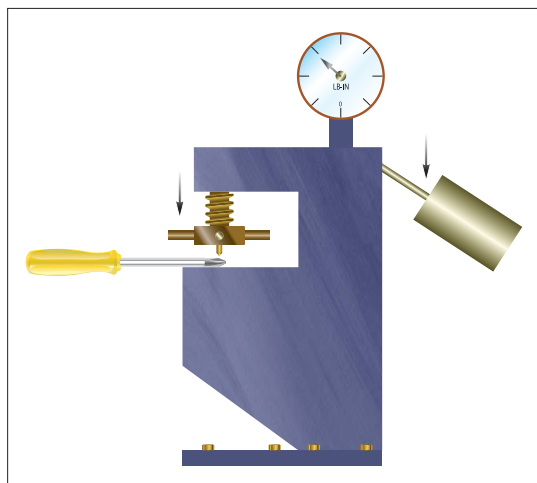


Note: The point of the test is for the shank to penetrate as little as possible into the handle after being struck repeatedly.

HARDNESS TEST, ASME STANDARD B107.15

The screwdriver tip must be hardened to at least 48 HRC (Rockwell C). For this purpose, a Rockwell hardness tester is used, which has a diamond point to which a 150-kg load is applied (ASME 18). The results of the test depend directly on penetration of the diamond point into the item tested. If it is necessary to prepare the testing surface, the amount of material removed must not exceed 0.007" (0.18 mm) in the area in contact with the diamond point.

HARDNESS MEASUREMENTS FOR SCREWDRIVERS





1. Cutting the shank



2. Stamping the tail



3. Heating the shank



4. Stamping the blade



5. Heat-treating

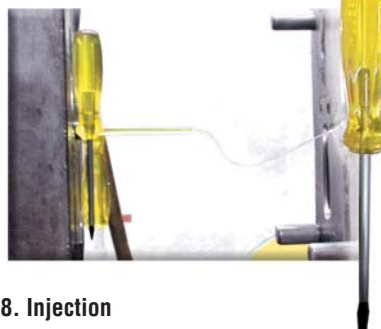


6. Bluing

8



7. Chromium coating



8. Injection



9. Cooling

DRIVERS

TYPE	SIZE						
	TIP	EXPOSED LENGTH	367	368	370	372	375
	1.0 mm	40 mm		⊙			
	1.2 mm	40 mm		⊙			
	1.5 mm	40 mm		⊙			
	1.8 mm	60 mm		⊙			
	2 mm	60 mm		⊙			
	2.5 mm	75 mm		⊙			
	3 mm	75 mm		⊙			
	3/32"	3"	⊙				
	5/32"	4"	⊙				
	3/16"	4"			⊙	⊙	⊙
	7/32"	5"	⊙				
	1/4"	1 1/2"			⊙	⊙	⊙
	1/4"	4"			⊙	⊙	⊙
	1/4"	5 7/8"	⊙				
	1/4"	6"			⊙	⊙	⊙
5/16"	6 7/8"	⊙		⊙	⊙	⊙	
5/16"	10"			⊙	⊙	⊙	
3/8"	7 1/2"	⊙		⊙	⊙	⊙	
3/8"	10"			⊙	⊙	⊙	
3/8"	12"			⊙	⊙	⊙	
	1/4"	3"				⊙	⊙
	1/4"	4"			⊙	⊙	⊙
	1/4"	6"				⊙	⊙
	1/4"	9"				⊙	⊙
	5/16"	5"			⊙	⊙	⊙
	5/16"	6"			⊙	⊙	⊙
	5/16"	10"			⊙	⊙	⊙
	3/8"	8"			⊙	⊙	⊙
	3/8"	10"			⊙	⊙	⊙
	3/8"	12"			⊙	⊙	⊙
	1/8"	2 1/2"				⊙	⊙
	1/8"	3"				⊙	⊙
	1/8"	4"				⊙	⊙
	1/8"	5"				⊙	⊙
	1/8"	6"				⊙	⊙
	1/8"	8"				⊙	⊙
	3/16"	3"			⊙	⊙	⊙
	3/16"	4"			⊙	⊙	⊙
	3/16"	5"			⊙	⊙	⊙
	3/16"	6"			⊙	⊙	⊙
	3/16"	8"			⊙	⊙	⊙
	3/16"	10"			⊙	⊙	⊙
	1/4"	10"				⊙	⊙
1/4"	12"				⊙	⊙	

TYPE	SIZE							
	TIP	EXPOSED LENGTH	367	368	371	373	376	
	#00	2.5mm 40 mm		⊕				
	#0	3.0mm 60 mm		⊕				
	#1	4.5mm 80 mm		⊕				
	#1	4.5mm 150 mm		⊕				
	#0	1/8" 2 1/2"				⊕	⊕	
	#1	3/16" 3"	⊕		⊕	⊕	⊕	
	#1	3/16" 8"			⊕	⊕	⊕	
	#2	1/4" 1 3/8"			⊕	⊕	⊕	
	#2	1/4" 4"	⊕		⊕	⊕	⊕	
	#2	1/4" 6"			⊕	⊕	⊕	
	#2	1/4" 8"			⊕	⊕	⊕	
	#2	1/4" 10"			⊕	⊕	⊕	
	#2	1/4" 12"			⊕	⊕	⊕	
	#3	5/16" 6"			⊕	⊕	⊕	
	#4	3/8" 8"			⊕	⊕	⊕	
		T5	50 mm		⊕			
		T6	50 mm		⊕			
		T7	50 mm		⊕			
		T8	60 mm		⊕			
		T9	60 mm		⊕			
T10		80 mm		⊕				
T10		5 5/8"				⊕		
T15		80 mm		⊕				
T15		5 5/8"				⊕		
T20		100 mm		⊕				
	T20	5 5/8"				⊕		
	T25	5 5/8"				⊕		
	T27	5 5/8"				⊕		
	T30	5 5/8"				⊕		
		3/16"	7"				⊕	⊕
		1/4"	7"				⊕	⊕
		5/16"	7"				⊕	⊕
3/8"		7"				⊕	⊕	
7/16"		7 3/8"				⊕	⊕	
1/2"		7 3/8"				⊕	⊕	
	9/16"	7 3/8"				⊕	⊕	
		3 mm	60 mm		⊕			
		3.5 mm	60 mm		⊕			
		4 mm	60 mm		⊕			
		4.5 mm	60 mm		⊕			
		5 mm	60 mm		⊕			
		5 mm	7"				⊕	
		5.5 mm	60 mm		⊕			
		6 mm	60 mm		⊕			
		6 mm	7"				⊕	
		7 mm	7"				⊕	
		8 mm	7"				⊕	
		9 mm	7"				⊕	
		10 mm	7 3/8"				⊕	
11 mm		7 3/8"				⊕		

TIPS

	MANUAL DRIVE						POWER DRIVE					
	SHORT FLAT TIPS	SHORT PHILLIPS TIPS	TORX TAMPER-PROOF TIPS	TORX TIPS	HEX TIPS	SQUARE TIPS	BRISTOL TIPS	FLAT POWER TIPS	PHILLIPS POWER TIPS	TORX POWER TIPS	HEX POWER ADAPTER	HEX DRIVER TIPS
LENGHT	384	385	385	386	387	388	389	385	385	387	389	390
1"												
1 1/4"												
1 7/8"												
1 15/16"												
2"												
2 9/16"												
2 3/4"												
2 7/8"												
3 1/2"												
4"												
6"												

8



the toolsthatstartwithU














URREA®

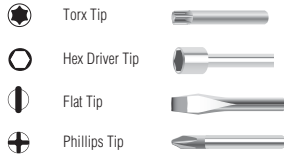
Superior Quality
Affordable Tools

Visit our website: www.urrea.com

HEX KEYS

		T-TYPE, VINYL HANDLE, 6"	T-TYPE, VINYL HANDLE, 9"	T-TYPE 6"	T-TYPE 9"	BALL TYPE, L HANDLE	L-TYPE, LONG	L-TYPE,	L-TYPE, TORX TIP
									
		400	400	400	400	402	403	403	404
	0.050					●	●	●	
	1/16"					●	●	●	
	5/64"					●	●	●	
	3/32"	●		●	●	●	●	●	
	7/64"	●		●	●	●	●	●	
	1/8"	●		●	●	●	●	●	
	9/64"	●		●	●	●	●	●	
	5/32"	●	●	●	●	●	●	●	
	3/16"	●	●	●	●	●	●	●	
	7/32"	●	●	●	●	●	●	●	
	1/4"	●	●	●	●	●	●	●	
	5/16"	●	●	●	●	●	●	●	
	3/8"	●	●	●	●	●	●	●	
	7/16"					●	●	●	
	1/2"					●	●	●	
	9/16"						●	●	
	5/8"					●	●	●	
3/4"					●	●	●		
7/8"						●	●		
1"						●	●		
	T7								●
	T8								●
	T9								●
	T10								●
	T15								●
	T20								●
	T25								●
	T27								●
	T30								●
	T40								●
T45								●	
T55								●	
	1.27 mm							●	
	1.32 mm					●			
	1.5 mm					●	●	●	
	2 mm			●		●	●	●	
	2.5 mm			●		●	●	●	
	3 mm			●		●	●	●	
	4 mm			●		●	●	●	
	5 mm			●		●	●	●	
	6 mm			●		●	●	●	
	7 mm					●	●	●	
	8 mm	●		●	●	●	●	●	
	9 mm					●	●	●	
	10 mm	●		●	●	●	●	●	
	12 mm	●			●	●	●	●	
	14 mm	●				●	●	●	
	16 mm	●						●	
	17 mm							●	
18 mm	●				●				
19 mm							●		
20 mm	●				●				
22 mm	●				●				

R SERIES DRIVER SETS



CODE	SHANK DIAMETER	SHANK	HANDLE	Tip Type																				
				360	360	360	361	361	361	361	362	362	362	362										
9310WR	7/32"	○	red																					⚙️T10
9315WR	7/32"	○	red																					⚙️T15
9320WR	7/32"	○	red																					⚙️T20
9325WR	7/32"	○	red																					⚙️T25
9327WR	7/32"	○	red																					⚙️T27
9330WR	7/32"	○	red																					⚙️T30
9602R	3/16"	○	red				⦶	⦶																
9604R	1/4"	○	red			⦶	⦶	⦶																
9606R	5/16"	○	red			⦶			⦶															
9608R	3/8"	○	red						⦶															
9622R	1/8"	○	red	⦶			⦶																	
9624R	1/8"	○	red	⦶																				
9627R	1/8"	○	red	⦶																				
9631R	3/16"	○	red			⦶																		⦶
9632R	3/16"	○	red	⦶		⦶				⦶														⦶
9633R	3/16"	○	red			⦶																		⦶
9634R	3/16"	○	red				⦶																	⦶
9635R	3/16"	○	red	⦶																				⦶
9643R	5/16"	○	red									⦶												⦶
9652R	1/4"	○	red	⦶			⦶			⦶														⦶
9671R	1/4"	○	red	⦶2			⦶2																	⦶2
9680R	1/8"	○	red	⦶0			⦶0																	⦶0
9682R	3/16"	○	red	⦶1	⦶1		⦶1	⦶1																⦶1
9683R	3/16"	○	red	⦶1																				⦶1
9684R	1/4"	○	red	⦶2	⦶2		⦶2	⦶2																⦶2
9685R	1/4"	○	red	⦶2																				⦶2
9686R	5/16"	○	red	⦶3			⦶3																	⦶3
9688R	3/8"	○	red	⦶4																				⦶4
9804R	1/4"	◇	red							⦶														⦶
9806R	5/16"	◇	red	⦶			⦶			⦶														⦶
9808R	3/8"	◇	red	⦶						⦶														⦶
9812R	3/8"	◇	red	⦶						⦶														⦶
9816R	1/4"	◇	red	⦶						⦶														⦶
9206R	3/16"	○	red																					○
9208R	1/4"	○	red																					○
9210R	5/16"	○	red																					○
9212R	3/8"	○	red																					○
9214R	7/16"	○	red																					○
9216R	1/2"	○	red																					○
9205MR	5mm	○	red																					○
9206MR	6mm	○	red																					○
9207MR	7mm	○	red																					○
9208MR	8mm	○	red																					○
9209MR	9mm	○	red																					○
9210MR	10mm	○	red																					○
9211MR	11mm	○	red																					○

8

HEX DRIVER SETS

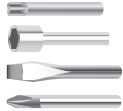
Hex Drivers



CODE	SHANK DIAMETER	SHANK	HANDLE	9200B	9230M
9206	3/16"	○	amber	○	
9208	1/4"	○	amber	○	
9210	5/16"	○	amber	○	
9212	3/8"	○	amber	○	
9214	7/16"	○	amber	○	
9216	1/2"	○	amber	○	
9205M	5 mm	○	amber		○
9206M	6 mm	○	amber		○
9207M	7 mm	○	amber		○
9208M	8 mm	○	amber		○
9209M	9 mm	○	amber		○
9210M	10 mm	○	amber		○
9211M	11 mm	○	amber		○

PRECISION AND DIELECTRIC (1000 VOLTS) SCREWDRIVER SETS

- Torx Tip
- Hex Driver Tip
- Flat Tip
- Phillips Tip



CODE	SHANK DIAMETER	SHANK	HANDLE	9700C	9500C	9500D	9500G	9500F	9500T	9500E
9502	3/32"	○	-ESD	○						
9503	3/63"	○	-ESD	○	○					
9504	1/16"	○	-ESD			○				
9505	9/128"	○	-ESD				○			
9506	5/64"	○	-ESD					○		
9507	13/128"	○	-ESD						○	
9508	15/128"	○	-ESD							○
9509	5 mm	○	-ESD	⊕00					⊕00	
9510	6 mm	○	-ESD	⊕0	⊕0				⊕0	
9511	7 mm	○	-ESD	⊕1					⊕1	
9512	8 mm	○	-ESD						⊕1	
9514	9 mm	○	-ESD							⊕T6
9515	10 mm	○	-ESD							⊕T7
9516	11 mm	○	-ESD							⊕T8
9517	3 mm	○	-ESD							⊕T9
9518	3 mm	○	-ESD							⊕T10
9540	3 mm	○	-ESD							○
9541	3.5 mm	○	-ESD							○
9542	4 mm	○	-ESD							○
9543	4.5 mm	○	-ESD							○
9544	5 mm	○	-ESD							○
9545	5.5 mm	○	-ESD							○
9546	6 mm	○	-ESD							○
9701	4.5 mm	○	⚠1000 V	⊕1						
9702	6 mm	○	⚠1000 V	⊕2						
9713	3/32"	○	⚠1000 V	○						
9714	5/32"	○	⚠1000 V	○						
9715	7/32"	○	⚠1000 V	○						

FLAT, PHILLIPS, AND TORX® TIP DRIVER SETS

Torx Tip

Hex Driver Tip

Flat Tip

Phillips Tip



CODE	SHANK DIAMETER	SHANK	HANDLE	9400D	9600E	9600D	JBUD01	9800A	9600B	9600A	9600C	93W	JBUD02	SKIN PACK
9310W	7/32"	○	amber											⊕T10
9315W	7/32"	○	amber											⊕T15
9320W	7/32"	○	amber											⊕T20
9325W	7/32"	○	amber											⊕T25
9327W	7/32"	○	amber											⊕T27
9330W	7/32"	○	amber											⊕T30
9402	3/16"	○	EUSHION GRIP											
9404	1/4"	○	EUSHION GRIP											
9406	5/16"	○	EUSHION GRIP											
9408	3/8"	○	EUSHION GRIP											
9452	1/4"	○	EUSHION GRIP											
9482	3/16"	○	EUSHION GRIP	⊕1										
9484	1/4"	○	EUSHION GRIP	⊕2										
9486	5/16"	○	EUSHION GRIP	⊕3										
9602	3/16"	○	amber				○							○
9604	1/4"	○	amber				○							○
9606	5/16"	○	amber				○							○
9608	3/8"	○	amber											○
9622	1/8"	○	amber		○									○
9624	1/8"	○	amber		○									○
9627	1/8"	○	amber		○									○
9631	3/16"	○	amber			○								○
9632	3/16"	○	amber		○									○
9633	3/16"	○	amber			○								○
9634	3/16"	○	amber				○							○
9635	3/16"	○	amber					○						○
9643	5/16"	○	amber		○									○
9652	1/4"	○	amber			○								○
9671	1/4"	○	amber				○							⊕2
9680	1/8"	○	amber											⊕0
9682	3/16"	○	amber			⊕1	⊕1							⊕1
9683	3/16"	○	amber			⊕1								⊕1
9684	1/4"	○	amber			⊕2	⊕2	⊕2						⊕2
9685	1/4"	○	amber			⊕2								⊕2
9686	5/16"	○	amber			⊕3	⊕3							⊕3
9688	3/8"	○	amber			⊕4								⊕4
9804	1/4"	◇	amber											○
9806	5/16"	◇	amber											○
9808	3/8"	◇	amber											○
9812	3/8"	◇	amber											○
9816	1/4"	◇	amber											○



In this section you will find the various sets included in URREA's screwdriver line, each designed to meet the diverse requirements encountered in industry and in the automotive service sector.

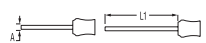

1000-VOLT SCREWDRIVER SETS

9700C

5 PIECES

SET OF 5 1000-VOLT SCREWDRIVERS, FLAT AND PHILLIPS TIPS, IN Pouch

CODE	TIP SIZE	EXPOSED LENGHT
 9701 9702	No.1	3 5/32"
	No.2	3 15/16"
 9713 9714 9715	3/32"	3"
	5/32"	4"
	7/32"	5"
E127	Pouch	



- Includes the tips most commonly used in the electrical-industrial maintenance sector.
- High-quality protective insulation on shank and handle.



ESD PRECISION SCREWDRIVERS

9500C

5 PIECES

SET OF 5 PRECISION ESD SCREWDRIVERS, FLAT AND PHILLIPS TIPS, IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
 9502 9503	3/32"	1 9/16"
	3/64"	1 9/16"
 9509 9510 9511	No.00	1 9/16"
	No.0	2 3/8"
	No.1	3 5/32"

- ESD (Electrostatic dissipative) manufactured using anti-static materials.






8

9500D

2 PIECES

SET OF 2 PRECISION ESD SCREWDRIVERS, FLAT AND PHILLIPS TIPS, IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
 9503 9510	3/64"	1 9/16"
	No.0	2 3/8"

- ESD (Electrostatic dissipative) manufactured using anti-static materials.



9500G

5 PIECES

SET OF 5 PRECISION FLAT-TIP ESD SCREWDRIVERS IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
9504	1/16"	1 9/16"
9505	9/128"	2 3/8"
9506	5/64"	2 3/8"
9507	13/128"	2 15/16"
9508	15/128"	2 15/16"



- ESD (Electrostatic disipative) manufactured using anti-static materials.



9500F

4 PIECES

SET OF 4 PRECISION PHILLIPS-TIP ESD SCREWDRIVERS IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
9509	No.00	1 9/16"
9510	No.0	2 3/8"
9511	No.1	3 5/32"
9512	No.1	5 24/32"



- ESD (Electrostatic disipative) manufactured using anti-static materials.



9500T

5 PIECES

SET OF 5 PRECISION TORX-TIP ESD SCREWDRIVERS IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
9514	T6	1 31/32"
9515	T7	1 31/32"
9516	T8	2 3/8"
9517	T9	2 3/8"
9518	T10	3 5/32"



- ESD (Electrostatic disipative) manufactured using anti-static materials.



9500E

7 PIECES

SET OF 7 PRECISION METRIC HEX DRIVER ESD SCREWDRIVERS IN BLISTER PACK

CODE	TIP SIZE	EXPOSED LENGHT
9540	3 mm	60 mm
9541	3.5 mm	60 mm
9542	4 mm	60 mm
9543	4.5 mm	60 mm
9544	5 mm	60 mm
9545	5.5 mm	60 mm
9546	6 mm	60 mm



- ESD (Electrostatic disipative) manufactured using anti-static materials.



CUSHION GRIP SCREWDRIVER SETS

9400D

8 PIECES

SET OF 8 CUSHION GRIP SCREWDRIVERS, FLAT AND PHILLIPS TIPS, IN POUCH

CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
9402	3/16"	4"	9482	No.1	3"
9404	1/4"	4"	9484	No.2	4"
9406	5/16"	6"	9486	No.3	6"
9408	3/8"	8"			
9452	1/4"	1 1/2"	E203	Pouch	

- Greater comfort due to cushioned layer over the acetate handle.



AMBER SCREWDRIVER SETS

9600E

19 PIECES

SET OF 19 AMBER SCREWDRIVERS WITH CABINET, PHILLIPS, AND FLAT TIPS, IN POUCH

CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
9622	1/8"	2 1/2"	9804	1/4"	4"
9624	1/8"	4"	9806	5/16"	6"
9627	1/8"	8"	9808	3/8"	8"
9632	3/16"	4"	9812	3/8"	12"
9635	3/16"	8"	9816	1/4"	6"
9652	1/4"	1 1/2"	E215	Pouch	
9671	No.2	1 3/8"			
9680	No.0	2 1/2"			
9682	No.1	3"			
9683	No.1	8"			
9684	No.2	4 1/4"			
9685	No.2	8"			
9686	No.3	6"			
9688	No.4	8"			

8



JBUD02

10 PIECES

SET OF 10 AMBER SCREWDRIVERS WITH CABINET, PHILLIPS, AND FLAT TIPS, IN POUCH










CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
9602	3/16"	4"	9680	No.0	2 1/2"
9604	1/4"	4"	9682	No.1	3"
9622	1/8"	2 1/2"	9684	No.2	4 1/4"
9634	3/16"	6"	9806	5/16"	6"
9652	1/4"	1 1/2"	E554	Pouch	
9671	No.2	1 3/8"			



9600D

8 PIECES

SET OF 8 AMBER SCREWDRIVERS WITH CABINET, PHILLIPS, AND FLAT TIPS, IN POUCH







CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
 9604	1/4"	4"	 9682	No.1	3"
 9606	5/16"	6"	 9684	No.2	4 1/4"
 9631	3/16"	3"	 9686	No.3	6"
 9632	3/16"	4"	 E203	Pouch	
 9633	3/16"	5"			



JBUD01

5 PIECES

SET OF 5 AMBER SCREWDRIVERS WITH CABINET, PHILLIPS, AND FLAT TIPS, IN POUCH








CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
 9602	3/16"	4"	 9682	No.1	3"
 9604	1/4"	4"	 9684	No.2	4 1/4"
 9624	1/8"	2 1/2"	 E506	Pouch	



9800A

6 PIECES

SET OF 6 FLAT-TIP SQUARE-SHANK AMBER SCREWDRIVERS, IN POUCH








CODE	TIP SIZE	EXPOSED LENGTH	CODE	DESCRIPTION
 9652	1/4"	1 1/2"	 E210	Pouch
 9804	1/4"	4"		
 9806	5/16"	6"		
 9808	3/8"	8"		
 9812	3/8"	12"		
 9816	1/4"	6"		



9600B

6 PIECES

SET OF 6 FLAT-TIP AMBER SCREWDRIVERS, IN POUCH




CODE	TIP SIZE	EXPOSED LENGTH	CODE	DESCRIPTION
 9604	1/4"	4"	 E210	Pouch
 9606	5/16"	6"		
 9608	3/8"	8"		
 9643	5/16"	10"		
 9632	3/16"	4"		
 9652	1/4"	1 1/2"		



9600A

6 PIECES

SET OF 6 PHILLIPS-TIP AMBER SCREWDRIVERS, IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9671	No.2	1 3/8"		E200 Pouch
9680	No.0	2 1/2"		
 9682	No.1	3"		
9684	No.2	4 1/4"		
9686	No.3	6"		
9688	No.4	8"		



9600C

4 PIECES

SET OF 4 CABINET-TIP AMBER SCREWDRIVERS, IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9631	3/16"	3"		E202 Pouch
9632	3/16"	4"		
9634	3/16"	6"		
9635	3/16"	8"		



93W

6 PIECES

SET OF 6 TORX-TIP AMBER SCREWDRIVERS, IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9310W	T10	5 5/8"		E221 Pouch
9315W	T15	5 5/8"		
9320W	T20	5 5/8"		
9325W	T25	5 5/8"		
9327W	T27	5 5/8"		
9330W	T30	5 5/8"		





8

9200B

6 PIECES

SET OF 6 HEX DRIVER AMBER SCREWDRIVERS, INCH SIZES, IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9206	3/16"	3"		E221 Pouch
9208	1/4"	3"		
9210	5/16"	3"		
9212	3/8"	3"		
9214	7/16"	3"		
9216	1/2"	3"		



9230M

7 PIECES

SET OF 7 METRIC HEX DRIVER AMBER SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9205M	5 mm	76.2 mm		E222 Pouch
9206M	6 mm	76.2 mm		
9207M	7 mm	76.2 mm		
9208M	8 mm	76.2 mm		
9209M	9 mm	76.2 mm		
9210M	10 mm	76.2 mm		
9211M	11 mm	76.2 mm		



















R SERIES SCREWDRIVER SETS

9600ER

15 PIECES

SET OF 15 R SERIES SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
  9622R	1/8" 3.1 mm	2 1/2" 63.5 mm	 9804R	1/4" 6.3 mm	4" 101.6 mm
 9624R	1/8" 3.1 mm	4" 101.6 mm	 9806R	5/16" 7.9 mm	6" 152.4 mm
 9632R	3/16" 4.7 mm	4" 101.6 mm	 9808R	3/8" 9.5 mm	8" 203.2 mm
 9635R	3/16" 4.7 mm	8" 203.2 mm	 9812R	3/8" 9.5 mm	12" 304.8 mm
 9680R	No.0 3.1 mm	2 1/2" 63.5 mm	 9816R	1/4" 6.3 mm	6" 152.4 mm
 9682R	No.1 4.7 mm	3" 76.2 mm	E215	Pouch	
 9683R	No.1 4.7 mm	8" 203.2 mm			
 9684R	No.2 6.3 mm	4 1/4" 197.9 mm			
 9685R	No.2 6.3 mm	8" 203.2 mm			
 9686R	No.3 7.9 mm	6" 152.4 mm			










- New ergonomic design for a more comfortable grip.



9600DR

8 PIECES

SET OF 8 R SERIES SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
  9602R	3/16" 4.7 mm	4" 101.6 mm	 9682R	No.1 4.7 mm	3" 76.2 mm
 9604R	1/4" 6.3 mm	4" 101.6 mm	 9684R	No.2 6.3 mm	4 1/4" 107.9 mm
 9606R	5/16" 7.9 mm	6" 152.4 mm	 9686R	No.3 7.9 mm	6" 152.4 mm
 9608R	3/8" 9.5 mm	8" 203.2 mm	E203	Pouch	
 9680R	No.0 3.1 mm	2 1/2" 63.5 mm			












- Black tip keeps material from flaking off when used in critical production processes (food industry).



JBU03

10 PIECES

SET OF 10 R SERIES SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGTH	CODE	TIP SIZE	EXPOSED LENGTH
  9602R	3/16" 4.7 mm	4" 101.6 mm	 9622R	1/8" 3.1 mm	2 1/2" 63.5 mm
 9604R	1/4" 6.3 mm	4" 101.6 mm	 9634R	3/16" 4.7 mm	6" 152.4 mm
 9652R	1/8" 3.1 mm	1 1/2" 38.1 mm	 9806R	5/16" 7.9 mm	6" 152.4 mm
 9671R	No.2 6.3 mm	1 3/8" 34.9 mm	E554	Pouch	
 9680R	No.0 3.1 mm	2 1/2" 63.5 mm			
 9682R	No.1 4.7 mm	3" 76.2 mm			
 9684R	No.2 6.3 mm	4 1/4" 107.9 mm			



JBUD01R

5 PIECES

SET OF 5 R SERIES SCREWDRIVERS WITH CABINET, PHILLIPS AND FLAT TIPS IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
				E506 Pouch
	9684R No.2 6.3 mm 4 1/4" 107.9 mm	9682R No.1 4.7 mm 3" 76.2 mm		
				E506 Pouch
	9624R 1/8" 3.1 mm 4" 101.6 mm	9604R 1/4" 6.3 mm 4" 101.6 mm		
				9602R 3/16" 4.7 mm 4" 101.6 mm

- Includes a handy Pouch that lets you keep your screwdrivers together and always at hand.



9800AR

6 PIECES

SET OF 6 FLAT-TIP SQUARE-SHANK R SERIES SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	TIP SIZE	EXPOSED LENGHT		
	9804R 1/4" 6.3 mm 4" 101.6 mm	9806R 5/16" 7.9 mm 6" 152.4 mm					
	9808R 3/8" 9.5 mm 8" 203.2 mm	9812R 3/8" 9.5 mm 12" 304.8 mm					
	9816R 1/4" 6.3 mm 6" 152.4 mm	9652R 1/4" 6.3 mm 1 1/2" 38.1 mm					
							E210 Pouch

8



9600BR

6 PIECES

SET OF 6 R SERIES SCREWDRIVERS WITH CABINET AND FLAT TIPS IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	TIP SIZE	EXPOSED LENGHT		
	9604R 1/4" 6.3 mm 4" 101.6 mm	9606R 5/16" 7.9 mm 6" 152.4 mm					
	9608R 3/8" 9.5 mm 8" 203.2 mm	9643R 5/16" 7.9 mm 10" 254.0 mm					
	9632R 3/16" 4.7 mm 4" 101.6 mm	9652R 1/4" 6.3 mm 1 1/2" 38.1 mm					
							E210 Pouch



9600AR

6 PIECES

SET OF 6 PHILLIPS-TIP R SERIES SCREWDRIVERS IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	TIP SIZE	EXPOSED LENGHT
	9680R No.0 3.1 mm 2 1/2" 63.5 mm	9671R No.2 6.3 mm 1 3/8" 34.9 mm			
	9682R No.1 4.7 mm 3" 76.2 mm				
	9684R No.2 6.3 mm 4 1/4" 107.9 mm				
	9686R No.3 7.9 mm 6" 152.4 mm				
	9688R No.4 9.5 mm 8" 203.2 mm				
				E200 Pouch	



9600CR

4 PIECES

SET OF 4 CABINET-TIP R SERIES SCREWDRIVERS IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9631R	3/16" 4.7 mm	3" 76.2 mm	 E202	Pouch
9632R	3/16" 4.7 mm	4" 101.6 mm		
9634R	3/16" 4.7 mm	6" 152.4 mm		
9635R	3/16" 4.7 mm	8" 203.2 mm		



93WR

6 PIECES

SET OF 6 TORX-TIP R SERIES SCREWDRIVERS IN POUCH



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9310WR	T10	5 5/8"	 E221	Pouch
9315WR	T15	5 5/8"		
9320WR	T20	5 5/8"		
9325WR	T25	5 5/8"		
9327WR	T27	5 5/8"		
9330WR	T30	5 5/8"		



9200BR

6 PIECES

SET OF 6 R SERIES SCREWDRIVERS, INCH SIZE, IN POUCH,



CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9206R	3/16"	3"	 E221	Pouch
9208R	1/4"	3"		
9210R	5/16"	3"		
9212R	3/8"	3"		
9214R	7/16"	3"		
9216R	1/2"	3"		



9230MR

7 PIECES

SET OF 7 METRIC R SERIES SCREWDRIVERS IN POUCH

CODE	TIP SIZE	EXPOSED LENGHT	CODE	DESCRIPTION
 9205MR	5 mm	76.2 mm	 E222	Pouch
9206MR	6 mm	76.2 mm		
9207MR	7 mm	76.2 mm		
9208MR	8 mm	76.2 mm		
9209MR	9 mm	76.2 mm		
9210MR	10 mm	76.2 mm		
9211MR	11 mm	76.2 mm		



This type of screwdriver features the advantage of storing various types of tips inside its handle, so it can handle any requirement with less space and weight in the toolbox.

REVOLVER 15-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, TORX, AND HEX TIPS

9315MS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
1/4" Hex Multi-Tip Screwdriver	8 1/2"	225	225	0.49
Tip contents:				
⊕ Double Phillips tip, No. 0 and No. 3				
⊕ Double Phillips tip, No. 1 and No. 2				
⊖ Double Flat tip, 4 and 6				
⊕ Double Torx tip, T10 and T15				
⊕ Double Torx tip, T20 and T25				
⊕ Double Torx tip, T27 and T30				
⬢ Double Hex tip, 1/8", 5/32"				



Code 9315MS

Revolver-type screwdriver, 15 tips in 1

This screwdriver features versatility and functionality. Just remove the back of the handle and you will find 15 different tips to suit whatever work you need to do. Insert the desired tip in the end of the shank.



8

CUSHION GRIP SCREWDRIVER WITH 1/4" INTERCHANGEABLE TIPS

9310CMS

CUSHION GRIP 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, TORX, SQUARE, AND HEX DRIVER TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
Screwdriver with Cushion Grip handle and 1/4" female hex tip.	6 1/4"	316	152	0.33
⊖ Double flat tip, 1/4" and 3/16"	1 1/4"	6.3		
⊕ Double Phillips tip, No. 2 and No. 3	1 1/4"	6.3		
⊕ Double square tip, 1/8" and 3/32"	1 1/4"	6.3		
⊕ Double Torx tip, T10 and T15	1 1/4"	6.3		
⬢ Hex driver tip, 3/16"	1/4"	6.3		



9302CMS

CUSHION GRIP 6-IN-1 SCREWDRIVER WITH 1/4" FLAT, PHILLIPS, AND HEX TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
Screwdriver with Cushion Grip handle and 5/16" female hex tip.	7 1/2"	190.5	163.2	0.35
⊖ Double Flat tip, 3/16" and 5/16"	1/4"	6.3		
⊕ Double Phillips tip, No. 0 and No. 1	1/4"	6.3		
⬢ Double Hex tip, 1/4" and 5/16"	1/4"	6.3		



9301CMS

CUSHION GRIP 4-IN-1 SCREWDRIVER WITH 1/4" FLAT AND PHILLIPS TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
Screwdriver with Cushion Grip handle and 5/16" female hex tip.	7 1/2"	190.5	163.2	0.36
Double flat tip, 3/16" and 5/16"	1/4"	6.3		
Double Phillips tip, No. 1 and No. 2	1/4"	6.3		



SCREWDRIVERS WITH 1/4" INTERCHANGEABLE HEX TIPS

9310RS

AUTOMOTIVE RATCHETING 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, TORX, AND HEX DRIVER TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
Ratcheting screwdriver with 1/4" female hex tip	1/4"	6.3	249.4	0.55
Double Phillips tip, No. 1 and No. 2	1/4"	6.3		
Double flat tip, 3/16" and 1/4"	1/4"	6.3		
Double Torx tip, T15 and T20	1/4"	6.3		
Double Torx tip, T25 and T30	1/4"	6.3		
Double hex tip, 1/4" and 5/16"	1/4"	6.3		



Useful ratchet MECHANISM, lever for changing rotation direction.



9303MS

AUTOMOTIVE 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, TORX, AND HEX DRIVER TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
Screwdriver with 1/4" female hex tip	1/4"	6.3	158.7	0.35
Double Phillips tip, No. 1 and No. 2	1/4"	6.3		
Double flat tip, 3/16" and 1/4"	1/4"	6.3		
Double Torx tip, T15 and T20	1/4"	6.3		
Double Torx tip, T25 and T30	1/4"	6.3		
Double hex tip, 1/4" and 5/16"	1/4"	6.3		



The double hexagonal shank (1/4" and 5/16") can be removed and houses two hex bars, each of which incorporates two double tips.



9304MS

ELECTRICIAN'S 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, TORX, SQUARE, AND HEX DRIVER TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	grs
Screwdriver with 1/4" female hex tip	1/4"	6.3	158.7	0.35
Double Phillips tip, No. 1 and No. 2	1/4"	6.3		
Double flat tip, 3/16" and 1/4"	1/4"	6.3		
Double Torx tip, T15 and T10	1/4"	6.3		
Double square tip, No. 1 and No. 2	1/4"	6.3		
Double hex tip, 1/4" and 5/16"	1/4"	6.3		



The double hexagonal shank (1/4" and 5/16") can be removed and houses two hex bars, each of which incorporates two double tips.



9305MS

ELECTRONICS 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, TORX, AND HEX DRIVER TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
	Screwdriver with 1/4" female hex tip	7 1/2"	190.5	158.5
⊕ Double Phillips tip, No. 0 and No. 1				
▬ Double flat tip, 3/16" and 1/8"				
⊕ Double Torx tip, T8 and T10				
⊕ Double Torx tip, T15 and T20				
⬢ Double hex tip, 1/4" and 5/16"				



The tips included are suitable for assembling and repairing electronic components.

9302MS

6-IN-1 SCREWDRIVER WITH 1/4" FLAT, PHILLIPS, AND HEX TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
	Screwdriver with 5/16" female hex tip	7 1/2"	190.5	163
▬ 5/16" tip, Double flat 3/16" and 5/16"				
⊕ 5/16" tip, Double Phillips No. 0 and No. 1				
⬢ 5/16" tip, Hex driver 1/4" and 5/16"				



The hexagonal shank itself is another tool in addition to the tips it holds.

8

9301MS

4-IN-1 SCREWDRIVER WITH 1/4" FLAT AND PHILLIPS TIPS

DESCRIPTION	TOTAL LENGTH		TOTAL	
	in	mm	grs	lbs
	Screwdriver with 5/16" female hex tip	7 1/2"	190.5	163.2
▬ 5/16" tip, Double flat 3/16" and 5/16"				
⊕ 1/4" tip, Double Phillips No. 1 and No. 2				



Code 9301MS

4-IN-1 screwdriver with 1/4" flat and Phillips tips

Useful and practical with 4 different tips inside the screwdriver; you just see what type of screw you need to drive and select the right tip.

9308

AMBER MAGNETIC 10-IN-1 SCREWDRIVER WITH 1/4" PHILLIPS, FLAT, AND TORX TIPS

CODE	DESCRIPTION	SHANK SIZES	
		in	mm
20004	1/4" hex insert, Phillips tip No. 1	1/4" X 1"	6.3 X 25.4
20008	1/4" hex insert, Phillips tip No. 2	1/4" X 1"	6.3 X 25.4
20012	1/4" hex insert, Phillips tip No. 3	1/4" X 1"	6.3 X 25.4
22004	1/4" hex insert, flat tip (6F-8R)	1/4" X 1"	6.3 X 25.4
22008	1/4" hex insert, flat tip (8F-10R)	1/4" X 1"	6.3 X 25.4
22012	1/4" hex insert, flat tip (10F-12R)	1/4" X 1"	6.3 X 25.4
23016	1/4" hex insert, Torx tip T15	1/4" X 1"	6.3 X 25.4
23020	1/4" hex insert, Torx tip T20	1/4" X 1"	6.3 X 25.4
23024	1/4" hex insert, Torx tip T25	1/4" X 1"	6.3 X 25.4
9300MS	Magnetic screwdriver for tips with 1/4" hex insert	3/8" X 3 1/2"	9.5 X 88.9



Solid grip translucent amber handle



9300MS

AMBER MAGNETIC SCREWDRIVER FOR TIPS WITH 1/4" HEX INSERT, WITHOUT TIPS

CODE	DRIVE SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
9300MS	1/4"	6.3	3 1/2"	88.9	3/8"	9.5	7 7/8"	200.0	85	0.19



The indispensable tool for tips with 1/4" hex inserts.



Screwdrivers whose shank is coated with a dielectric material, available in flat, Phillips, and Torx tips, manufactured according to the strictest international standards. Inspected individually using 10,000 Volts of current underwater. High-quality insulation is applied directly to the bar, guaranteeing its safety for working with up to 1500 volts of direct current (DC) or 1000 volts of alternating current (AC).

1000-VOLT SCREWDRIVERS, FLAT TIP, ROUND SHANK

971X

CODE	TYPE OF TIP	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH		Scales	
		in	mm	in	mm	in	mm	grs	lbs
9713	Flat	3 3/32"	2.5	3"	75	6"	150	31	0.07
9714	Flat	5/32"	4	4"	100	7 1/2"	190	65	0.14
9715	Flat	7/32"	5.5	5"	125	8 7/8"	225	99	0.22
9716	Flat	1/4"	6.5	5 7/8"	150	9 7/8"	250	113	0.25






STANDARDS: DIN 60900
VDE 0682, part 201;
IEC 900

- Standard VDE 0682, part 201.
- Standard IEC 900.
- Manufacturing standard DIN 60900.
- Resistant to accidental impacts such as being dropped.
- Black tip guarantees no corrosion.



8

Code 9718

Screwdrivers with insulation on handle and shank for working with 1000 volts AC

Our 1000-volt screwdrivers are tested at 10,000 volts AC underwater. Certified with a wide safety margin, these tests are performed in our specialized plant using state-of-the-art equipment.

1000-VOLT SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

970X

1000-VOLT SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

CODE	TYPE OF TIP	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH		Scales	
		in	mm	in	mm	in	mm	grs	lbs
9700	Phillips	No.0	2 3/8"	60	5 5/16"	135	31	0.07	
9701	Phillips	No.1	3 5/32"	80	7"	170	63	0.14	
9702	Phillips	No.2	3 15/16"	100	7 7/8"	200	101	0.22	





STANDARDS: DIN 60900
VDE 0682, parte 201;
IEC 900

- Ideal for working on parts with live voltage up to 1000 volts AC (alternating current) or 1500 volts DC (direct current).
- Tested underwater with induction of 10,000 volts to guarantee maximum safety.
- High-quality protective insulation on shank and handle.
- Standard VDE 0682, part 201.
- Standard IEC 900.
- Manufacturing standard DIN 60900.



Thin-shank screwdrivers with flat, Phillips, Torx, and hex driver tips. Used primarily for assembly and repair of electronic devices and components. The handle has a rotating head so you can apply pressure with one hand while turning the screwdriver with the other. ESD (Electro-Static Dissipative) manufactured with anti-static material to prevent irreversible equipment damage.

ESD PRECISION SCREWDRIVERS, FLAT TIP, ROUND SHANK

950X

CODE	TYPE OF TIP	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH	
		mm	in	mm	in	mm	in	mm	in
9502	Flat	0.18 X 1	0.007 X 5/128"	40	1 9/16"	1.8	1/16"	140	5 1/2"
9503	Flat	0.25 X 1.2	0.010 X 3/64"	40	1 9/16"	1.8	1/16"	140	5 1/2"
9504	Flat	0.30 X 1.5	0.011 X 1/16"	40	1 9/16"	1.8	1/16"	140	5 1/2"
9505	Flat	0.30 X 1.8	0.011 X 9/128"	60	2 3/8"	1.8	1/16"	160	6 5/16"
9506	Flat	0.40 X 2	0.015 X 5/64"	60	2 3/8"	2.0	5/64"	160	6 5/16"
9507	Flat	0.40 X 2.5	0.015 X 13/128"	75	2 15/16"	2.5	3/32"	175	6 7/8"
9508	Flat	0.50 X 3	0.019 X 15/128"	75	2 15/16"	3.0	1/8"	175	6 7/8"



- Designed especially for working on electronic circuits.
- ESD (Electro-Static Dissipative) manufactured using anti-static materials.

Anti-static ESD handle.
(Electro-Static Dissipative)



Code 9545

Precision ESD screwdriver, flat tip, round shank.
(Electro-Static Dissipative)

Used primarily for assembly, maintenance, or repair of electronic equipment, involving the use of millimeter hex nut and screw sizes. The handle has a head slightly larger than its body, so you can apply pressure with one hand while turning the screwdriver with the other.

PRECISION ESD SCREWDRIVERS, PHILLIPS TIP

95XX

CODE	TYPE OF TIP	TIP SIZE	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH	
			mm	in	mm	in	mm	in
9509	Phillips	No.00	40	1 9/16"	2.5	3/32"	140	5 1/2"
9510	Phillips	No.0	60	2 3/8"	3.0	1/8"	160	6 5/16"
9511	Phillips	No.1	80	3 5/32"	4.5	11/64"	180	7 1/16"
9512	Phillips	No.1	150	5 29/32"	4.5	11/64"	250	9 27/32"



- For areas where delicate electronic components are found.
- ESD (Electro-Static Dissipative) manufactured using anti-static materials.

Anti-static ESD handle.
(Electro-Static Dissipative)



Rotating head lets you apply pressure with one hand while turning with the other.

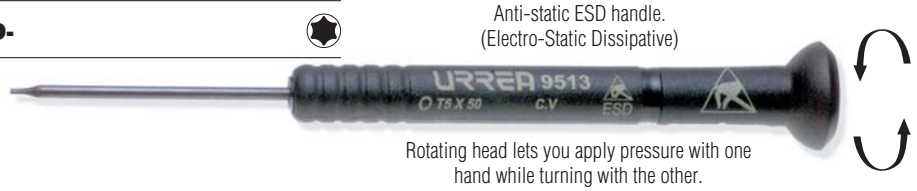
PRECISION ESD SCREWDRIVERS, TORX® TIP

95XX

CODE	TYPE OF TIP	TIP SIZE	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH	
			mm	in	mm	in	mm	in
9513	Torx	T5	50	1 31/32"	2.5	3/32"	150	5 29/32"
9514	Torx	T6	50	1 31/32"	2.5	3/32"	150	5 29/32"
9515	Torx	T7	50	1 31/32"	2.5	3/32"	150	5 29/32"
9516	Torx	T8	60	2 3/8"	3.0	1/8"	160	6 5/16"
9517	Torx	T9	60	2 3/8"	3.0	1/8"	160	6 5/16"
9518	Torx	T10	80	3 5/32"	3.0	1/8"	180	7 1/16"
9519	Torx	T15	80	3 5/32"	3.5	9/64"	180	7 1/16"
9520	Torx	T20	100	3 15/16"	4.0	5/32"	200	7 7/8"



- Very safe for working with highly conductive materials.
- ESD (Electro-Static Dissipative) manufactured using anti-static materials.



PRECISION ESD SCREWDRIVERS, METRIC HEX DRIVER TIP

954X

CODE	TYPE OF TIP	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH	
		mm	in	mm	in	mm	in
9540	Hex Driver	3.0	0.118	60	2 3/8"	160	6 5/16"
9541	Hex Driver	3.5	0.137	60	2 3/8"	160	6 5/16"
9542	Hex Driver	4.0	0.157	60	2 3/8"	160	6 5/16"
9543	Hex Driver	4.5	0.177	60	2 3/8"	160	6 5/16"
9544	Hex Driver	5.0	0.196	60	2 3/8"	160	6 5/16"
9545	Hex Driver	5.5	0.216	60	2 3/8"	160	6 5/16"
9546	Hex Driver	6.0	0.236	60	2 3/8"	160	6 5/16"



- Ergonomic design for electronics work.
- ESD (Electro-Static Dissipative) manufactured using anti-static materials.



Code 9545

Precision screwdrivers, hex driver tip

Screwdrivers used primarily for assembly, maintenance, or repair of electronic equipment. The handle has a large head so you can apply pressure with one hand while turning the screwdriver with the other.

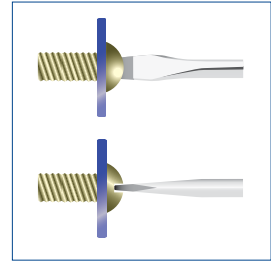
These drivers have a cushioned layer over the extruded acetate handle for greater comfort and better grip, so you can apply more torque even when the handle is in contact with any non-corrosive liquid.

CUSHION GRIP SCREWDRIVERS, FLAT TIP, ROUND SHANK

94XX

CUSHION GRIP SCREWDRIVERS, FLAT TIP, ROUND SHANK

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9402	3/16"	4.7	4"	101.6	3/16"	4.7	7 3/4"	196.8	47	0.10	6,7,8,9	25
9404	1/4"	6.3	4"	101.6	1/4"	6.3	8 1/4"	209.5	76	0.17	10,12	40
9416	1/4"	6.3	6"	152.4	1/4"	6.3	10 1/4"	260.3	89	0.19	10,12	40
9406	5/16"	7.9	6"	152.4	5/16"	7.9	11"	279.4	136	0.30	12,14,16	60
9408	3/8"	9.5	8"	203.2	3/8"	9.5	13 3/8"	339.7	210	0.46	16,18,20	140
9410	3/8"	9.5	10"	254.0	3/8"	9.5	15 3/8"	390.5	290.5	0.64	16,18,20	140
9412	3/8"	9.5	12"	304.8	3/8"	9.5	17 3/8"	441.3	326.7	0.72	16,18,20	140



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

- Amber handle with highly ergonomic black cushioned cover.



9452

CUSHION GRIP SCREWDRIVER, STUBBY TYPE, FLAT TIP, ROUND SHANK

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9452	1/4"	6.3	1 1/2"	38.1	1/4"	6.3	3 3/8"	85.7	52.7	0.12	10,12	40



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

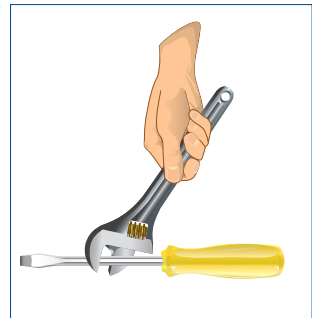
- Better grip so you can apply greater torque.



CUSHION GRIP SCREWDRIVERS, FLAT TIP, SQUARE SHANK

942X

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9421	1/4"	6.3	4"	101.6	1/4"	6.3	8 1/4"	209.5	125.7	0.28	10,12	40
9422	5/16"	7.9	6"	152.4	5/16"	7.9	11"	279.4	188.2	0.41	12,14,16	60
9423	3/8"	9.5	8"	203.2	3/8"	9.5	13 3/8"	339.7	304.8	0.67	16,18,20	140
9424	3/8"	9.5	12"	304.8	3/8"	9.5	17 3/8"	441.3	382.7	0.84	16,18,20	140



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

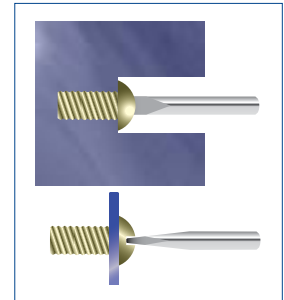
- The square shank lets you use any wrench handle to apply greater torque.
- Perfect tip engagement in the screw slot.



CUSHION GRIP SCREWDRIVERS, CABINET TIP, ROUND SHANK

943X

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9425	1/8"	3.1	4"	101.6	1/8"	3.1	7 3/4"	196.8	70	0.15	2,3,4,5	6
9431	3/16"	4.7	3"	76.2	3/16"	4.7	6 3/4"	171.4	73.7	0.16	6,7,8,9	25
9432	3/16"	4.7	4"	101.6	3/16"	4.7	7 3/4"	196.8	78.2	0.17	6,7,8,9	25
9434	3/16"	4.7	6"	152.4	3/16"	4.7	9 3/4"	247.6	84.7	0.19	6,7,8,9	25
9435	3/16"	4.7	8"	203.2	3/16"	4.7	11 3/4"	298.4	91.2	0.20	6,7,8,9	25
9436	3/16"	4.7	10"	254.0	3/16"	4.7	13 3/4"	349.2	96.2	0.21	6,7,8,9	25



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

- The shank diameter is the same as the blade width, for easy access into narrow holes.

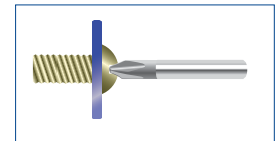


CUSHION GRIP SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

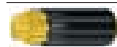
948X

CUSHION GRIP SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	No.	mm	in	mm	in	mm	in	mm	grs	lbs		
9481	2	6.3	8"	203.2	1/4"	6.3	12 1/4"	311.1	94	0.20	2	60
9482	1	4.7	3"	76.2	3/16"	4.7	6 3/4"	171.4	20	0.04	1	25
9483	1	4.7	8"	203.2	3/16"	4.7	11 3/4"	298.4	42	0.09	1	25
9484	2	6.3	4 1/4"	107.9	1/4"	6.3	8 1/2"	215.9	58	0.13	2	60
9485	2	6.3	6"	152.4	1/4"	6.3	10 1/4"	260.3	81	0.18	2	60
9489	2	6.3	10"	254.0	1/4"	6.3	14 1/4"	361.9	152.5	0.34	2	60
9488	2	6.3	12"	304.8	1/4"	6.3	16 1/4"	412.7	210	0.46	2	60
9486	3	7.9	6"	152.4	5/16"	7.9	11"	279.4	106	0.23	3	150
9487	4	9.5	8"	203.2	3/8"	9.5	13 3/8"	339.7	138	0.30	4	200



8



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



9471

CUSHION GRIP SCREWDRIVER, STUBBY TYPE, PHILLIPS TIP, ROUND SHANK

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	No.	mm	in	mm	in	mm	in	mm	grs	lbs		
9471	2	6.3	1 3/8"	38.1	1/4"	6.3	3 1/4"	81.5	50.7	0.11	2	60



CUSHION GRIP

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



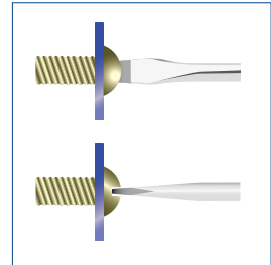
The Amber screwdriver line includes all of the tips and shank designs to meet the most demanding requirements, as well as a traditional handle for the firmest grip.

AMBER SCREWDRIVERS, FLAT TIP, ROUND SHANK

96XX

AMBER SCREWDRIVERS, FLAT TIP, ROUND SHANK

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH ASME/ANSI B107.15	
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9602	3/16"	4.7	4"	101.6	3/16"	4.7	7 3/8"	187.3	47	0.10	6,7,8,9	25
9604	1/4"	6.3	4"	101.6	1/4"	6.3	8"	203.2	76	0.17	10,12	40
9616	1/4"	6.3	6"	152.4	1/4"	6.3	10"	254.0	92	0.20	12,14,16	60
9606	5/16"	7.9	6"	152.4	5/16"	7.9	10 3/8"	263.5	136	0.30	16,18,20	140
9643	5/16"	7.9	10"	254.0	5/16"	7.9	14 3/8"	365.1	173	0.38	10,12	40
9608	3/8"	9.5	8"	203.2	3/8"	9.5	13"	330.2	210	0.46	12,14,16	60



STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

- Black tip to avoid chrome flaking.



9652

AMBER SCREWDRIVERS, STUBBY TYPE, FLAT TIP, ROUND SHANK

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH ASME/ANSI B107.15	
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9652	1/4"	6.3	1 1/2"	38.1	1/4"	6.3	3 17/32"	89.7	48	0.11	10,12	40



STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

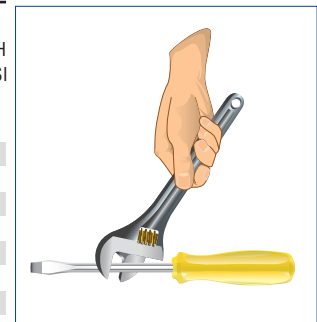
- Ideal for small spaces.



AMBER SCREWDRIVERS, FLAT TIP, SQUARE SHANK

98XX

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH ASME/ANSI B107.15	
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9803	1/4"	6.3	3"	76.2	1/4"	6.3	7"	177.8	73	0.16	10,12	40
9804	1/4"	6.3	4"	101.6	1/4"	6.3	8"	203.7	86	0.19	10,12	40
9816	1/4"	6.3	6"	152.4	1/4"	6.3	10"	254.0	100	0.22	10,12	40
9842	1/4"	6.3	9"	228.6	1/4"	6.3	13"	330.2	125	0.28	10,12	40
9805	5/16"	7.9	5"	127.0	5/16"	7.9	9 3/8"	238.1	140	0.31	12,14,16	60
9806	5/16"	7.9	6"	152.4	5/16"	7.9	10 3/8"	263.5	150	0.33	12,14,16	60
9843	5/16"	7.9	10"	254.0	5/16"	7.9	14 3/8"	365.1	195	0.43	12,14,16	60
9808	3/8"	9.5	8"	203.2	3/8"	9.5	13"	330.2	241	0.53	16,18,20	140
9810	3/8"	9.5	10"	254.0	3/8"	9.5	15"	381.0	277	0.61	16,18,20	140
9812	3/8"	9.5	12"	304.8	3/8"	9.5	17"	431.8	306	0.67	16,18,20	140



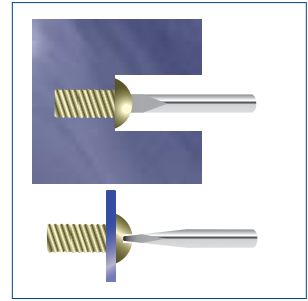
STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



AMBER SCREWDRIVERS, CABINET TIP, ROUND SHANK

96XX

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9622	1/8"	3.1	2 1/2"	63.5	1/8"	3.1	5 1/4"	133.3	21	0.05	2,3,4,5	6
9623	1/8"	3.1	3"	76.2	1/8"	3.1	5 3/4"	146.0	21	0.05	2,3,4,5	6
9624	1/8"	3.1	4"	101.6	1/8"	3.1	6 3/4"	171.4	22	0.05	2,3,4,5	6
9625	1/8"	3.1	5"	127.0	1/8"	3.1	7 3/4"	196.8	24	0.05	2,3,4,5	6
9626	1/8"	3.1	6"	152.4	1/8"	3.1	8 3/4"	222.2	26	0.06	2,3,4,5	6
9627	1/8"	3.1	8"	203.2	1/8"	3.1	10 3/4"	273.0	28	0.06	2,3,4,5	6
9631	3/16"	4.7	3"	76.2	3/16"	4.7	6 3/8"	161.9	42	0.09	6,7,8,9	25
9632	3/16"	4.7	4"	101.6	3/16"	4.7	7 3/8"	187.3	45	0.10	6,7,8,9	25
9633	3/16"	4.7	5"	127.0	3/16"	4.7	8 3/8"	212.7	48	0.11	6,7,8,9	25
9634	3/16"	4.7	6"	152.4	3/16"	4.7	9 3/8"	238.1	51	0.11	6,7,8,9	25
9635	3/16"	4.7	8"	203.2	3/16"	4.7	11 3/8"	288.9	59	0.13	6,7,8,9	25
9636	1/4"	6.3	10"	254.0	1/4"	6.3	14"	355.6	116	0.26	10,12	40
9642	1/4"	6.3	12"	304.8	1/4"	6.3	16"	406.4	123	0.27	10,12	40



• The shank diameter is the same as the blade width, for easy access into narrow holes.



STANDARDS:
FEDERAL GGG-S-121
NOM-0-85

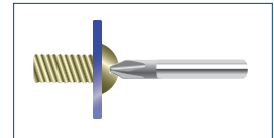


AMBER SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

968X

AMBER SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

CODE	TIP SIZE	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
		in	mm	in	mm	in	mm	grs	lbs		
9680	0	2 1/2"	63.5	1/8"	3.1	5 1/4"	133.3	20	0.04	0	6
9689	0	8"	203.4	1/8"	3.1	10 3/4"	260.0	210	0.46	0	6
9682	1	3"	76.2	3/16"	4.7	6 3/8"	161.9	42	0.09	1	25
9683	1	8"	203.2	3/16"	4.7	11 3/8"	288.9	58	0.13	1	25
9684	2	4 1/4"	107.9	1/4"	6.3	8 1/4"	209.5	81	0.18	2	60
9685	2	8"	203.2	1/4"	6.3	12"	304.8	106	0.23	2	60
9686	3	6"	152.4	5/16"	7.9	10 3/8"	263.5	138	0.30	3	150
9687	2	6"	152.4	1/4"	6.3	9 15/16"	252.0	70	0.15	2	60
9688	4	8"	203.4	3/8"	9.5	13"	330.2	210	0.46	4	200



STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



9671

AMBER SCREWDRIVERS, STUBBY TYPE, PHILLIPS TIP, ROUND SHANK

CODE	TIP SIZE	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15
		in	mm	in	mm	in	mm	grs	lbs		
9671	2	1 3/8"	34.9	1/4"	6.3	3 13/32"	86.5	46	0.10	2	60



STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



8

AMBER SCREWDRIVERS, TORX® TIP, ROUND SHANK

93XXW

CODE	TYPE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.15		
		in	mm	in	mm	in	mm	in	mm	grs	lbs	
9310W	T10	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	40
9315W	T15	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	76
9320W	T20	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	112
9325W	T25	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	221
9327W	T27	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	265
9330W	T30	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	331



Code 9310W
Amber screwdriver,
Torx tip, round shank

STANDARDS:
FEDERAL GGG-S-121
NOM-0-85



• Tips precisely calibrated for better engagement with the screw, combined with the strength of micro-alloy steel.



Used primarily in assembling automotive components or accessories.

AMBER SCREWDRIVERS, HEX NUT DRIVER TIP

92XX

AMBER SCREWDRIVERS, HEX NUT DRIVER TIP, IN FRACTIONAL SIZES

CODE	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.12		HANDLE COLOR
	in	mm	in	mm	in	mm	grs	lbs	
9206	3/16"	4.7	3"	76.2	7"	177.8	70	0.15	BLACK
9208	1/4"	6.3	3"	76.2	7"	177.8	70	0.15	RED
9210	5/16"	7.9	3"	76.2	7"	177.8	90	0.20	AMBER
9212	3/8"	9.5	3"	76.2	7"	177.8	90	0.20	BLUE
9214	7/16"	11.1	3"	76.2	7 3/8"	187.3	116	0.26	BROWN
9216	1/2"	12.7	3"	76.2	7 3/8"	187.3	122	0.27	RED
9218	9/16"	14.2	4"	76.2	7 3/8"	187.3	130	0.29	RED



Code 9218
Amber screwdriver, hex driver tip

STANDARDS:
FEDERAL GGG-W-657



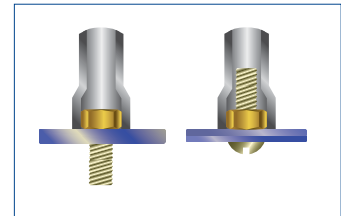
• Micro-alloy steel shank for maximum strength and durability.

This screwdriver with its ergonomic handle will help you remove and/or install hex head screws. Ideal for electronics and instrumentation work; its hollow bar accommodates the protruding screw shaft.

92XXM

AMBER SCREWDRIVERS, HEX NUT DRIVER TIP, IN METRIC SIZES

CODE	TIP SIZE	EXPOSED LENGTH		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.12		HANDLE COLOR
	mm	in	mm	in	mm	grs	lbs	
9205M	5	3"	76.2	7"	177.8	70	0.15	AMBER
9206M	6	3"	76.2	7"	177.8	70	0.15	AMBER
9207M	7	3"	76.2	7"	177.8	70	0.15	AMBER
9208M	8	3"	76.2	7"	177.8	90	0.20	AMBER
9209M	9	3"	76.2	7"	177.8	90	0.20	AMBER
9210M	10	3"	76.2	7 3/8"	187.3	90	0.20	AMBER
9211M	11	3"	76.2	7 3/8"	187.3	116	0.26	AMBER



STANDARDS: FED-
ERAL GGG-W-657



• The hollow shank accommodates the screw shaft.

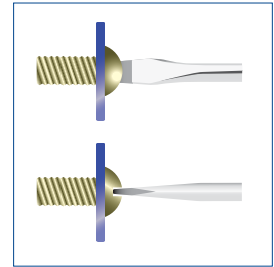


This new screwdriver line is designed to provide maximum comfort when in use, with optimum grip on the handle under any circumstances.

R SERIES SCREWDRIVERS, FLAT TIP, ROUND SHANK

96XXR

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9602R	3/16"	4.7	4"	101.6	3/16"	4.7	7 9/16"	192	47	0.10	6, 7, 8, 9	25
9604R	1/4"	6.3	4"	101.6	1/4"	6.3	7 15/16"	202	76	0.17	10, 12	40
9616R	1/4"	6.3	6"	152.4	1/4"	6.3	9 15/16"	252	92	0.20	10, 12	40
9606R	5/16"	7.9	6"	152.4	5/16"	7.9	10 5/16"	262	136	0.30	12, 14, 16	60
9643R	5/16"	7.9	10"	254.0	5/16"	7.9	14 5/16"	364	173	0.38	12, 14, 16	60
9608R	3/8"	9.5	8"	203.2	3/8"	9.5	12 5/16"	313	210	0.46	16, 18, 20	40



- The characteristics of the handle material prevent slipping even under adverse conditions.



9652R

R SERIES SCREWDRIVERS, STUBBY TYPE, FLAT TIP, ROUND SHANK

CODE	TIP WIDTH		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9652R	1/4"	6.3	1 1/2"	38.1	1/4"	6.3	3 17/32"	89.7	48	0.11	10,12	40



- Ideal for small spaces.



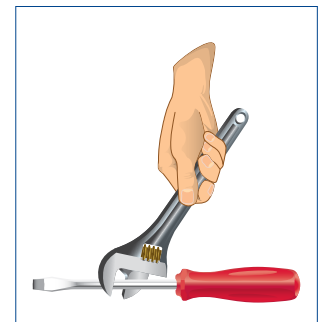
R SERIES SCREWDRIVERS, FLAT TIP, SQUARE SHANK

98XXR

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9803R	1/4"	6.3	3"	76.2	1/4"	6.3	7"	177.8	73	0.16	10,12	40
9804R	1/4"	6.3	4"	101.6	1/4"	6.3	7 15/16"	202	86	0.19	10,12	40
9816R	1/4"	6.3	6"	152.4	1/4"	6.3	9 15/16"	252	100	0.22	10,12	40
9842R	1/4"	6.3	9"	228.6	1/4"	6.3	13"	330.2	125	0.28	10,12	40
9805R	5/16"	7.9	5"	127.0	5/16"	7.9	9 5/16"	237	140	0.31	12,14,16	60
9806R	5/16"	7.9	6"	152.4	5/16"	7.9	10 5/16"	262	150	0.33	12,14,16	60
9843R	5/16"	7.9	10"	254.0	5/16"	7.9	14 3/8"	365.1	195	0.43	12,14,16	60
9808R	3/8"	9.5	8"	203.2	3/8"	9.5	12 5/16"	313	241	0.53	16,18,20	140
9810R	3/8"	9.5	10"	254.0	3/8"	9.5	14 5/16"	364	277	0.61	16,18,20	140
9812R	3/8"	9.5	12"	304.8	3/8"	9.5	16 5/16"	415	306	0.67	16,18,20	140



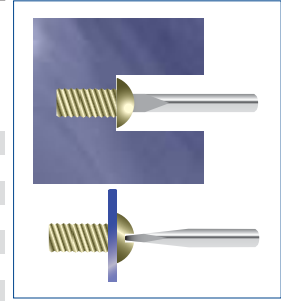
- Shank is alloyed steel (molybdenum-vanadium), known as a top-quality material for screwdrivers.



R SERIES SCREWDRIVERS, CABINET TIP, ROUND SHANK

96XXR

CODE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in
	in	mm	in	mm	in	mm	in	mm	grs	lbs		
9622R	1/8"	3.1	2 1/2"	63.5	1/8"	3.1	5 5/8"	143			2,3,4,5	6
9623R	1/8"	3.1	3"	76.2	1/8"	3.1	5 3/4"	146			2,3,4,5	6
9624R	1/8"	3.1	4"	101.6	1/8"	3.1	7 1/8"	182			2,3,4,5	6
9625R	1/8"	3.1	5"	127.0	1/8"	3.1	7 3/4"	196.8			2,3,4,5	6
9626R	1/8"	3.1	6"	152.4	1/8"	3.1	7 3/4"	232			2,3,4,5	6
9627R	1/8"	3.1	8"	203.2	1/8"	3.1	9 1/8"	273.0			2,3,4,5	6
9631R	3/16"	4.7	3"	76.2	3/16"	4.7	6 3/8"	161.9			6,7,8,9	25
9632R	3/16"	4.7	4"	101.6	3/16"	4.7	7 3/8"	192			6,7,8,9	25
9633R	3/16"	4.7	5"	127.0	3/16"	4.7	7 9/16"	242			6,7,8,9	25
9634R	3/16"	4.7	6"	152.4	3/16"	4.7	9 9/16"	238.1			6,7,8,9	25
9635R	3/16"	4.7	8"	203.2	3/16"	4.7	11 3/8"	293			6,7,8,9	25
9636R	1/4"	6.3	10"	254.0	1/4"	6.3	11 9/16"	355.6			10,12	40
9642R	1/4"	6.3	12"	304.8	1/4"	6.3	16"	406.4			10,12	40



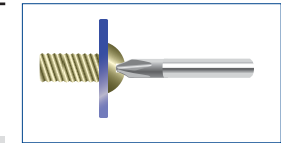
- Ergonomic handle design for a perfect fit in your hand.



R SERIES SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

968XR

CODE	TIP SIZE	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in
		in	mm	in	mm	in	mm	grs	lbs		
9680R	No.0	2 1/2"	63.5	1/8"	3.1	5 5/8"	143	20	0.04	0	6
9689R	No.0	8"	203.4	1/8"	3.1	11 1/4"	260	210	0.46	0	6
9682R	No.1	3"	76.2	3/16"	4.7	6 9/16"	166	42	0.09	1	25
9683R	No.1	8"	203.2	3/16"	4.7	11 9/16"	293	58	0.13	1	25
9684R	No.2	4 1/4"	107.9	1/4"	6.3	8 3/16"	208	81	0.18	2	60
9687R	No.2	6"	152.4	1/4"	6.3	9 15/16"	252	70	0.15	2	60
9685R	No.2	8"	203.2	1/4"	6.3	11 15/16"	303	106	0.23	2	60
9686R	No.3	6"	152.4	5/16"	7.9	10 5/16"	262	138	0.30	3	150
9688R	No.4	8"	203.4	3/8"	9.5	13"	330.2	210	0.46	4	200



- Ergonomic handle design pairs better transmission of force with ease of use.



9671R

R SERIES SCREWDRIVERS, STUBBY TYPE, PHILLIPS TIP, ROUND SHANK

CODE	TIP WIDTH	EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		Scales		SCREW SIZE	TORQUE STRENGTH ASME/ANSI B107.15 lb-in	
		in	mm	in	mm	in	mm	grs	lbs			
9671R	2	6.3	1 3/8"	34.9	1/4"	6.3	3 13/32"	86.5	46	0.10	2	60



- Ideal for small spaces.



R SERIES SCREWDRIVERS, TORX® TIP, ROUND SHANK

93XXWR

CODE	TYPE	TIP SIZE		EXPOSED LENGTH		SHANK DIAMETER		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.15		
		in	mm	in	mm	in	mm	in	mm	grs	lbs	lb-in
9310WR	T10	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	40
9315WR	T15	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	76
9320WR	T20	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	112
9325WR	T25	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	221
9327WR	T27	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	265
9330WR	T30	5 5/8"	6	4"	101.6	7/32"	5	8"	203.2	75	0.17	331

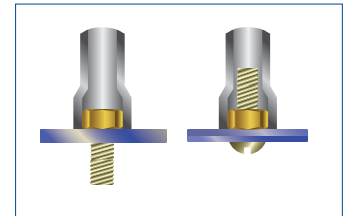


R SERIES SCREWDRIVERS, HEX DRIVER TIP

92XXR

R SERIES SCREWDRIVERS, HEX DRIVER TIP, IN INCH SIZES

CODE	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.12		
	in	mm	in	mm	in	mm	grs	lbs	lb-in
9206R	3/16"	4.7	3"	76.2	7"	177.8	70	0.15	60
9208R	1/4"	6.3	3"	76.2	7"	177.8	70	0.15	90
9210R	5/16"	7.9	3"	76.2	7"	177.8	90	0.20	105
9212R	3/8"	9.5	3"	76.2	7"	177.8	90	0.20	120
9214R	7/16"	11.1	3"	76.2	7 3/8"	187.3	116	0.26	145
9216R	1/2"	12.7	3"	76.2	7 3/8"	187.3	122	0.27	175
9218R	9/16"	14.2	4"	76.2	7 3/8"	187.3	130	0.29	260



8



92XXMR

METRIC R SERIES SCREWDRIVERS WITH HEX DRIVER TIP

CODE	TIP SIZE		EXPOSED LENGTH		TOTAL LENGTH		TORQUE STRENGTH ASME/ANSI B107.12	
	mm	in	mm	in	mm	in	grs	lbs
9205MR	5	3"	76.2	7"	177.8	70	0.15	60
9206MR	6	3"	76.2	7"	177.8	70	0.15	90
9207MR	7	3"	76.2	7"	177.8	70	0.15	97.5
9208MR	8	3"	76.2	7"	177.8	90	0.20	105
9209MR	9	3"	76.2	7"	177.8	90	0.20	112
9210MR	10	3"	76.2	7 3/8"	187.3	90	0.20	120
9211MR	11	3"	76.2	7 3/8"	187.3	116	0.26	145



OFFSET SCREWDRIVERS, FLAT TIP, ROUND SHANK

3X X/X

CODE	TIP WIDTH		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH FEDERAL GGG-S-121
	in	mm	in	mm	grs	lbs	
35 1/4	1/4"	6.3	3"	25.4	27	0.06	10,12 40
36 1/4	1/4"	6.3	4 5/8"	117.4	36	0.08	10,12 40
36 5/16	5/16"	7.9	4 7/8"	123.8	59	0.13	12,14,16 80
36 3/8	3/8"	9.5	6 1/8"	155.5	99	0.22	16,18,20 140

STANDARDS: FEDERAL GGG-S-121

Lever arm design lets you apply greater force to the screw.



OFFSET SCREWDRIVERS, PHILLIPS TIP, ROUND SHANK

34 X/X

CODE	TIP WIDTH		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH FEDERAL GGG-S-121
	No.	mm	in	mm	grs	lbs	
34 1/4	1-2	4.7 - 6.3	4 3/4"	120.6	36	0.08	1 - 2 25 60
34 3/8	3-4	7.9 - 9.5	6 1/8"	155.5	108	0.24	3 - 4 150 200

STANDARDS: FEDERAL GGG-S-121

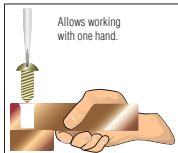
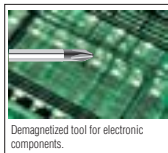
Manufactured from high quality micro-alloyed steel.



MAGNETIZER-DEMAGNETIZER FOR SCREWDRIVER TIPS

9888

CODE	DESCRIPTION	SIZE		SCREW SIZE	
		mm	grs	lbs	
9888	Magnetizer - Demagnetizer	52 X 50 X 29	135	0.30	



To magnetize a screwdriver tip, place it in the positive pole opening. This will allow you to place screws in tight spaces and retrieve them if they fall. If you're working with electronic parts that require demagnetized tools, place the tip in the negative pole opening.



KEY RING TYPE SCREWDRIVER

100

CODE	TIP WIDTH		TOTAL LENGTH		SCREW SIZE		TORQUE STRENGTH ASME/ANSI B107.15
	in	mm	in	mm	grs	lbs	
100	3/16"	4.7	2 1/4"	57.1	7	0.02	6,7,8,9 25



The URREA line of tips includes handy sets with different combinations of tips designed especially for demanding professional tasks.

SET OF 1/4" HEX TIPS WITH 1/4" AND 3/8" ADAPTER

475239T

11 PIECES

11-PIECE SOCKET SET, 1/4" AND 3/8" DRIVE WITH T10-T50 TORX TIPS IN A PLASTIC SOCKET HOLDER

DESCRIPTION

- 1/4" hex insert tip, Torx T10
- 1/4" hex insert tip, Torx T15
- 1/4" hex insert tip, Torx T20
- 1/4" hex insert tip, Torx T25
- 1/4" hex insert tip, Torx T27
- 1/4" hex insert tip, Torx T30
- 1/4" hex insert tip, Torx T40
- 1/4" hex insert tip, Torx T45
- 1/4" hex insert tip, Torx T50
- Socket with 1/4" hex driver tip, 1/4" drive
- Socket with 1/4" hex driver tip, 3/8" drive
- Plastic socket holder



SET OF 1/4" HEX TIPS WITH 1/4" ADAPTER

4739SP

7 PIECES

7-PIECE SOCKET SET, 1/4" DRIVE, WITH FLAT TIPS 4-10 AND PHILLIPS TIPS No. 1 - No. 3 IN PLASTIC SOCKET HOLDER

DESCRIPTION

- 1/4" hex insert tip, flat 4-5
- 1/4" hex insert tip, flat 6-8
- 1/4" hex insert tip, flat 8-10
- 1/4" hex insert tip, Phillips No. 1
- 1/4" hex insert tip, Phillips No. 2
- 1/4" hex insert tip, Phillips No. 3
- Socket with 1/4" hex driver tip, 1/4" drive



8



4739H

7 PIECES

7-PIECE SOCKET SET, 1/4" DRIVE, WITH HEX TIPS IN INCH SIZES FROM 1/8" TO 1/4" IN PLASTIC SOCKET HOLDER

DESCRIPTION

- 1/4" x 1/8" hex insert tip
- 1/4" x 9/64" hex insert tip
- 1/4" x 5/32" hex insert tip
- 1/4" x 3/16" hex insert tip
- 1/4" x 7/32" hex insert tip
- 1/4" x 1/4" hex insert tip
- Socket with 1/4" hex driver tip, 1/4" drive



4739HM

7 PIECES

7-PIECE SOCKET SET, 1/4" DRIVE, WITH HEX TIPS IN METRIC SIZES FROM 2 TO 6 mm IN PLASTIC SOCKET HOLDER

DESCRIPTION

- 1/4" x 2 MM hex insert tip
- 1/4" x 2.5 MM hex insert tip
- 1/4" x 3 MM hex insert tip
- 1/4" x 4 MM hex insert tip
- 1/4" x 5 MM hex insert tip
- 1/4" x 6 MM hex insert tip
- Socket with 1/4" hex driver tip, 1/4" drive



4739TP

7 PIECES

7-PIECE SOCKET SET, 1/4" DRIVE, WITH TORX TAMPER PLUS TIPS T10H-T30H IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊙ 1/4" hex insert tip, Torx Tamper Proof T10H
- ⊙ 1/4" hex insert tip, Torx Tamper Proof T15H
- ⊙ 1/4" hex insert tip, Torx Tamper Proof T20H
- ⊙ 1/4" hex insert tip, Torx Tamper Proof T25H
- ⊙ 1/4" hex insert tip, Torx Tamper Proof T27H
- ⊙ 1/4" hex insert tip, Torx Tamper Proof T30H
- Socket with 1/4" hex driver tip, 1/4" drive



4739T

7 PIECES

7-PIECE SOCKET SET, 1/4" DRIVE, WITH TORX TIPS T10-T30 IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊙ 1/4" hex insert tip, Torx T10
- ⊙ 1/4" hex insert tip, Torx T15
- ⊙ 1/4" hex insert tip, Torx T20
- ⊙ 1/4" hex insert tip, Torx T25
- ⊙ 1/4" hex insert tip, Torx T27
- ⊙ 1/4" hex insert tip, Torx T30
- Socket with 1/4" hex driver tip, 1/4" drive



SET OF 1/4" HEX TIPS WITH 3/8" ADAPTER

5239SP

7 PIECES

7-PIECE SOCKET SET, 3/8" DRIVE, WITH FLAT TIPS 5-14 AND PHILLIPS TIPS No. 2 - No. 4 IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊖ 1/4" hex insert tip, flat 5-6
- ⊖ 1/4" hex insert tip, flat 8-10
- ⊖ 1/4" hex insert tip, flat 12-14
- ⊕ 1/4" hex insert tip, Phillips No. 2
- ⊕ 1/4" hex insert tip, Phillips No.3
- ⊕ 1/4" hex insert tip, Phillips No.4
- Socket with 1/4" hex driver tip, 3/8" drive



5239H

7 PIECES

7-PIECE SOCKET SET, 3/8" DRIVE, WITH HEX TIPS IN FRACTIONAL SIZES FROM 5/32" TO 3/8" IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊙ 1/4"x 5/32" hex insert tip
- ⊙ 1/4"x 3/16" hex insert tip
- ⊙ 1/4"x 7/32" hex insert tip
- ⊙ 1/4"x 1/4" hex insert tip
- ⊙ 1/4"x 5/16" hex insert tip
- ⊙ 1/4"x 3/8" hex insert tip
- Socket with 1/4" hex driver tip, 3/8" drive



5239HM

7 PIECES

7-PIECE SOCKET SET, 3/8" DRIVE, WITH HEX TIPS IN METRIC SIZES FROM 4 mm TO 10 mm IN PLASTIC SOCKET HOLDER

DESCRIPTION

- 1/4" x 4 mm hex insert tip
- 1/4" x 5 mm hex insert tip
- 1/4" x 6 mm hex insert tip
- 1/4" x 7 mm hex insert tip
- 1/4" x 8 mm hex insert tip
- 1/4" x 10 mm hex insert tip
- Socket with 1/4" hex driver tip, 3/8" drive



5239TP

7 PIECES

7-PIECE SOCKET SET, 3/8" DRIVE, WITH TORX TAMPER PROOF TIPS T30-T55 IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊗ 1/4" hex insert tip, Torx Tamper Proof T30
- ⊗ 1/4" hex insert tip, Torx Tamper Proof T40
- ⊗ 1/4" hex insert tip, Torx Tamper Proof T45
- ⊗ 1/4" hex insert tip, Torx Tamper Proof T47
- ⊗ 1/4" hex insert tip, Torx Tamper Proof T50
- ⊗ 1/4" hex insert tip, Torx Tamper Proof T55
- Socket with 1/4" hex driver tip, 3/8" drive



5239T

7 PIECES

7-PIECE SOCKET SET, 3/8" DRIVE, WITH TORX TIPS T30-T55 IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊗ 1/4" hex insert tip, Torx T30
- ⊗ 1/4" hex insert tip, Torx T40
- ⊗ 1/4" hex insert tip, Torx T45
- ⊗ 1/4" hex insert tip, Torx T47
- ⊗ 1/4" hex insert tip, Torx T50
- ⊗ 1/4" hex insert tip, Torx T55
- Socket with 1/4" hex driver tip, 3/8" drive



8

COMBINATION TIP SET

61927

37 PIECES

37-PIECE SET INCLUDING PHILLIPS, FLAT, CLUTCH, TORX, AND HEX TIPS WITH MAGNETIC TIP HOLDER IN PLASTIC SOCKET HOLDER

DESCRIPTION

- ⊕ 1/4" hex insert tip, Phillips No. 1
- ⊕ 1/4" hex insert tip, Phillips No. 2
- ⊕ 1/4" hex insert tip, Phillips No. 3
- ⊕ 1/4" reduced hex insert tip, Phillips No. 2
- ⊕ 1/4" reduced hex insert tip, Phillips No. 2
- ⊕ 1/4" reduced hex insert tip, Phillips No. 2
- ⊕ 1/4" reduced hex insert tip, Phillips No. 2
- ⊕ 1/4" reduced hex insert tip, Phillips No. 2
- 1/4" x 5/64" hex insert tip
- 1/4" x 3/32" hex insert tip
- 1/4" x 7/64" hex insert tip
- 1/4" x 1/8" hex insert tip
- 1/4" x 9/64" hex insert tip
- 1/4" x 5/32" hex insert tip
- 1/4" x 3/16" hex insert tip

DESCRIPTION

- ⊖ 1/4" hex insert tip, flat 3-4
- ⊖ 1/4" hex insert tip, flat 6-8
- ⊖ 1/4" hex insert tip, flat 8-10
- ⊖ 1/4" hex insert tip, flat 10-12
- 1/4" hex insert tip, square No. 0
- 1/4" hex insert tip, square No. 1
- 1/4" hex insert tip, square No. 2
- 1/4" hex insert tip, square No. 3
- ⊖ 1/4" hex insert tip, clutch 1/8"
- ⊖ 1/4" hex insert tip, clutch 5/32"
- ⊖ 1/4" hex insert tip, clutch 3/16"
- ⊖ 1/4" hex insert tip, clutch 1/4"
- Magnetic adapter, 3" long

DESCRIPTION

- ⊗ 1/4" hex insert tip, Torx T8
- ⊗ 1/4" hex insert tip, Torx T9
- ⊗ 1/4" hex insert tip, Torx T10
- ⊗ 1/4" hex insert tip, Torx T15
- ⊗ 1/4" hex insert tip, Torx T20
- ⊗ 1/4" hex insert tip, Torx T25
- ⊗ 1/4" hex insert tip, Torx T27
- ⊗ 1/4" hex insert tip, Torx T30
- ⊗ 1/4" hex insert tip, Torx T40



60225

25 PIECES

25-PIECE SET INCLUDING PHILLIPS, FLAT, CLUTCH, TORX, AND HEX TIPS WITH MAGNETIC TIP HOLDER IN PLASTIC SOCKET HOLDER

DESCRIPTION	DESCRIPTION	DESCRIPTION
⊕ (2) 5/16" hex insert tip, Phillips No. 3	⊖ 5/16" hex insert tip, flat 8	⊗ 1/4" hex insert tip, Torx T40
⊕ (2) 5/16" hex insert tip, Phillips No. 4	⊖ 5/16" hex insert tip, flat 10	⊗ 1/4" hex insert tip, Torx T45
⊙ 5/16" hex insert tip, 7mm hex	⊖ 5/16" hex insert tip, flat 12	⊗ 1/4" hex insert tip, Torx T50
⊙ 5/16" hex insert tip, 8mm hex	⊖ 5/16" hex insert tip, flat 10-12	⊗ 1/4" hex insert tip, Torx T55
⊙ 5/16" hex insert tip, 10mm hex	⊕ 5/16" hex insert tip, Pozidrive PZ3	⊗ 1/4" hex insert tip, Torx T60
⊙ 5/16" hex insert tip, 12mm hex	⊕ 5/16" hex insert tip, Pozidrive PZ4	⊗ 1/4" hex insert tip, Torx Tamper Proof T40
⊙ 5/16" hex insert tip, 14mm hex	Magnetic adapter, 3/8" x 5/16"	⊗ 1/4" hex insert tip, Torx Tamper Proof T45
		⊗ 1/4" hex insert tip, Torx Tamper Proof T50
		⊗ 1/4" hex insert tip, Torx Tamper Proof T55
		⊗ 1/4" hex insert tip, Torx Tamper Proof T60



5/16"

1" Tip length



60136

36 PIECES

36-PIECE SET INCLUDING PHILLIPS, FLAT, CLUTCH, TORX, AND HEX TIPS WITH MAGNETIC TIP HOLDER IN PLASTIC SOCKET HOLDER

DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
⊕ 1/4" hex insert tip, Phillips No. 3	1/4" hex insert tip Spaner #4	⊗ 1/4" hex insert tip, Torx Tamper Proof T8	1/4" hex insert tip, Triwing #1
⊕ 1/4" hex insert tip, Phillips No. 3	1/4" hex insert tip Spaner #6	⊗ 1/4" hex insert tip, Torx Tamper Proof T10	1/4" hex insert tip, Triwing #2
⊕ 1/4" hex insert tip, Phillips No. 4	1/4" hex insert tip Spaner #8	⊗ 1/4" hex insert tip, Torx Tamper Proof T15	1/4" hex insert tip, Triwing #3
⊙ 1/4" hex insert tip, 2mm hex	1/4" hex insert tip Spaner #10	⊗ 1/4" hex insert tip, Torx Tamper Proof T20	1/4" hex insert tip, Triwing #4
⊙ 1/4" hex insert tip, 2.5mm hex	⊙ 1/4" hex insert tip, hex 5/64"	⊗ 1/4" hex insert tip, Torx Tamper Proof T25	1/4" hex insert tip, Torque #6
⊙ 1/4" hex insert tip, 3mm hex	⊙ 1/4" hex insert tip, hex 3/32"	⊗ 1/4" hex insert tip, Torx Tamper Proof T27	1/4" hex insert tip, Torque #8
⊙ 1/4" hex insert tip, 4mm hex	⊙ 1/4" hex insert tip, hex 7/64"	⊗ 1/4" hex insert tip, Torx Tamper Proof T30	1/4" hex insert tip, Torque #10
⊙ 1/4" hex insert tip, 5mm hex	⊙ 1/4" hex insert tip, hex 1/8"	⊗ 1/4" hex insert tip, Torx Tamper Proof T35	1/4" magnetic adapter
⊙ 1/4" hex insert tip, 6mm hex	⊙ 1/4" hex insert tip, hex 9/64"	⊗ 1/4" hex insert tip, Torx Tamper Proof T40	
	⊙ 1/4" hex insert tip, hex 5/32"		



5/16"

1" Tip length

2" Adapter length



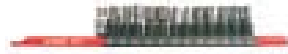
INTERCHANGEABLE TIPS FOR SCREWDRIVERS AND POWER DRIVERS **URREA**

60142

42 PIECES

42-PIECE SET INCLUDING PHILLIPS, FLAT, CLUTCH, TORX, AND HEX TIPS WITH MAGNETIC TIP HOLDER IN PLASTIC SOCKET HOLDER

DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
⊕ 1/4" hex insert tip, Phillips No. 0	⊖ 1/4" hex insert tip, flat 3mm	⦿ 1/4" hex insert tip, hex 3/16"	⦿ 1/4" hex insert tip, Torx Tamper Proof T10
⊕ 1/4" hex insert tip, Phillips No. 1	⊖ 1/4" hex insert tip, flat 4mm	⦿ 1/4" hex insert tip, hex 9/32"	⦿ 1/4" hex insert tip, Torx Tamper Proof T15
⊕ 1/4" hex insert tip, Phillips No. 2	⊖ 1/4" hex insert tip, flat 5mm	⦿ 1/4" hex insert tip, hex 11/32"	⦿ 1/4" hex insert tip, Torx Tamper Proof T20
⊕ 1/4" hex insert tip, Phillips No. 3	⊖ 1/4" hex insert tip, flat 6mm	⦿ 1/4" hex insert tip, hex 3/8"	⦿ 1/4" hex insert tip, Torx Tamper Proof T25
⦿ 1/4" hex insert tip, hex 2mm	⊖ 1/4" hex insert tip, flat 7mm	⦿ 1/4" hex insert tip, hex 5/16"	⦿ 1/4" hex insert tip, Torx Tamper Proof T27
⦿ 1/4" hex insert tip, hex 2.5mm	⊖ 1/4" hex insert tip, flat 8mm	⦿ 1/4" hex insert tip, hex 1/4"	⦿ 1/4" hex insert tip, Torx Tamper Proof T30
⦿ 1/4" hex insert tip, hex 3mm	⊕ 1/4" hex insert tip, Pozidrive PZ0	⦿ 2" flat tip 3/16" power driver	⦿ 1/4" hex insert tip, Torx Tamper Proof T35
⦿ 1/4" hex insert tip, hex 4mm	⊕ 1/4" hex insert tip, Pozidrive PZ1	⦿ 2" flat tip 1/4" power driver	⦿ 1/4" hex insert tip, Torx Tamper Proof T40
⦿ 1/4" hex insert tip, hex 5mm	⊕ 1/4" hex insert tip, Pozidrive PZ2	⊕ 2" phillips tip #1 power driver	⦿ 1/4" magnetic adapter
⦿ 1/4" hex insert tip, hex 6mm	⊕ 1/4" hex insert tip, Pozidrive PZ3	⊕ 2" phillips tip #2 power driver	1/4" tip adapter
⦿ 1/4" hex insert tip, hex 8mm	1/4" x 1" drive adapter		



5/16"

1" Tip length
2" Adapter length



8

safety starts with **U**



Your security is very important to Urrea. We offer you tools that will facilitate your work in a safe and efficient manner.

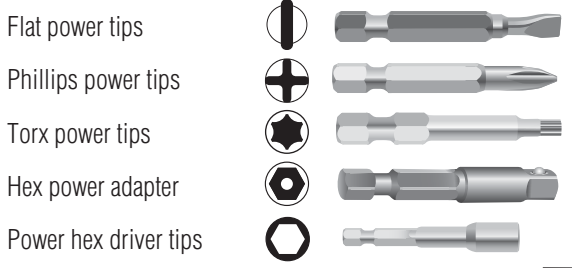
CONTACT US

email: customerservice@urrea.com FAX: (210) 734-8715 Phone: (210) 734-8703 / (800) 366-6911

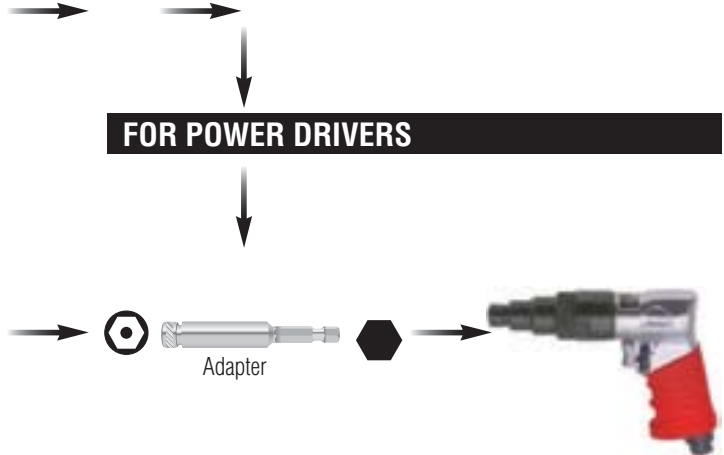
URREA INTERCHANGEABLE TIPS FOR SCREWDRIVERS AND POWER DRIVERS

URREA's line includes tips for manual drivers (screwdrivers and ratcheting handles) as well as for power drivers, such as pneumatic or electric tools.

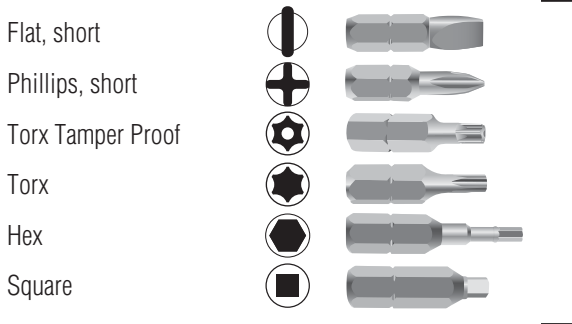
COMBINATION TIP SET



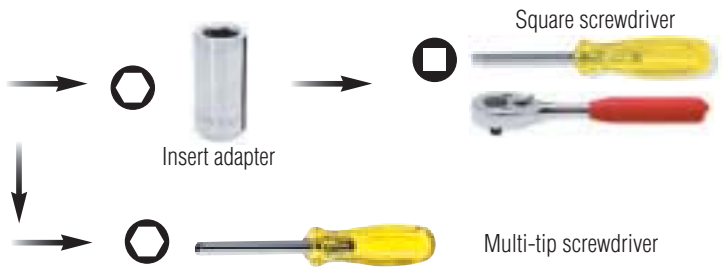
FOR POWER DRIVERS



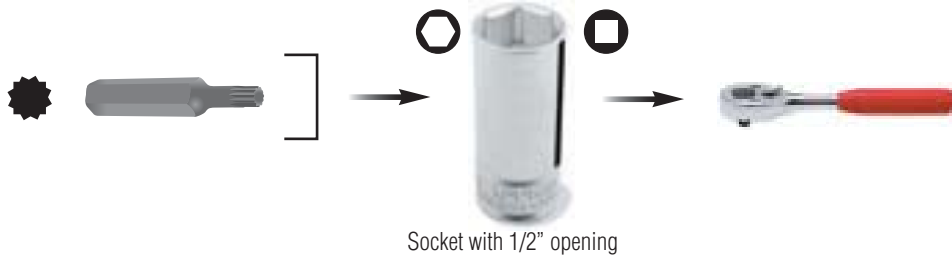
SCREWDRIVER TIPS



FOR MANUAL DRIVERS



Bristol tips



INTERCHANGEABLE FLAT TIPS FOR 1/4" SCREWDRIVERS

220XX

CODE	SCREW SIZE	TIP THICKNESS		TIP WIDTH		LENGTH		STANDARDS	
		in	mm	in	mm	in	mm	grs	lbs
22000	3F-4R	0.034"	0.9	0.188"	4.7	1"	25.4	4.5	0.01
22002	4F-5R	0.032"	0.8	0.156"	3.9	1"	25.4	4.5	0.01
22004	6F-8R	0.040"	1.0	0.219"	5.5	1"	25.4	5.0	0.01
22008	8F-10R	0.042"	1.1	0.250"	6.3	1"	25.4	5.0	0.01
22012	10F-12R	0.046"	1.2	0.281"	7.1	1"	25.4	5.0	0.01
22016	12F-14R	0.050"	1.3	0.281"	7.1	1"	25.4	5.0	0.01
22020	14F-16R	0.055"	1.4	0.281"	7.1	1"	25.4	5.0	0.01



Designed especially for use on slotted screws.



1/4"



STANDARDS:
GGG-B-1222

INTERCHANGEABLE FLAT TIPS FOR 1/4" POWER DRIVERS

140XX

CODE	SCREW SIZE	TIP THICKNESS		TIP WIDTH		LENGTH		Scales	
		in	mm	in	mm	in	mm	grs	lbs
14004	4F-5R	0.034"	0.86	0.187"	4.7	1 15/16"	49.2	9.5	0.02
14008	5F-6R	0.036"	0.91	0.245"	6.2	1 15/16"	49.2	9.5	0.02
14012	6F-8R	0.036"	0.91	0.250"	6.3	1 15/16"	49.2	9.5	0.02
14016	8F-10R	0.042"	1.0	0.281"	7.1	1 15/16"	49.2	9.5	0.02
14020	10F-12R	0.046"	1.16	0.312"	7.9	1 15/16"	49.2	9.5	0.02
14024	12F-14R	0.050"	1.2	0.375"	9.5	1 15/16"	49.2	9.5	0.02



Manufactured from high-quality micro-alloyed steel.



STANDARDS: GGG-B-1222

INTERCHANGEABLE PHILLIPS TIPS FOR 1/4" SCREWDRIVERS

200XX

CODE	TIP SIZE No.	LENGTH		Scales	
		in	mm	grs	lbs
20000	0	1"	25.4	4.0	0.01
20004	1	1"	25.4	4.5	0.01
20006	1	1"	25.4	4.3	0.01
20008	2	1"	25.4	5.0	0.01
20040	2	1"	25.4	4.0	0.01
20012	3	1"	25.4	5.0	0.01



Heat treated for optimum hardness



STANDARDS: GGG-B-1222

INTERCHANGEABLE PHILLIPS TIPS FOR 1/4" POWER DRIVERS

120XX

CODE	HEX DRIVER WIDTH NO.	BODY DIAMETER		LENGTH		Scales	
		in	mm	in	mm	grs	lbs
12000	1	3/16"	4.7	1 15/16"	49.2	9	0.02
12016	1	3/16"	4.7	2 3/4"	69.8	11.7	0.03
12031	1	1/4"	6.3	3 1/2"	88.9	20	0.04
12061	1	1/4"	6.3	6"	152.4	33	0.07
12004	2	1/4"	6.3	1 15/16"	49.2	9.9	0.02
12020	2	1/4"	6.3	2 3/4"	69.8	14.5	0.03
12062	2	1/4"	6.3	3 1/2"	88.9	25	0.06
12032	2	1/4"	6.3	6"	152.4	40	0.09
12008	3	1/4"	6.3	1 15/16"	49.2	10.5	0.02
12024	3	1/4"	6.3	2 3/4"	69.8	16.0	0.04
12033	3	1/4"	6.3	3 1/2"	88.9	33	0.07
12063	3	1/4"	6.3	6"	152.4	50	0.11

Code 12062
Phillips Tip
Phillips power tip

With pin-type coupling to fit pneumatic tools, this tip can be used at high speeds for assembling parts and components and for other jobs in the maintenance shop.



STANDARDS: GGG-B-1222

INTERCHANGEABLE TORX® ANTI-THEFT TIPS FOR 1/4" SCREWDRIVERS

230XX

CODE	TIP SIZE No.	TIP DIAMETER		LENGTH		Scales	
		mm	mm	in	mm	grs	lbs
23010	T9	2.4	2.4	1"	25.4	4.5	0.01
23014	T10	2.7	2.7	1"	25.4	5.0	0.01
23018	T15	3.2	3.2	1"	25.4	4.5	0.01
23022	T20	3.8	3.8	1"	25.4	4.5	0.01
23026	T25	4.3	4.3	1"	25.4	4.5	0.01
23030	T27	4.9	4.9	1"	25.4	5.0	0.01
23034	T30	5.4	5.4	1"	25.4	5.8	0.01
23038	T40	6.6	6.6	1"	25.4	5.5	0.01



Special design used primarily for holding automotive accessories and parts.



INTERCHANGEABLE COMBINATION FLAT AND PHILLIPS TIPS FOR 1/4" SCREWDRIVERS

3000X

CODE	SCREW SIZE		LENGTH			
	PHILLIPS	SLOTTED	in	mm		
	No.				grs	lbs
30000	1	6-8	1 1/2"	38.1	5.8	0.01
30004	2	8-10	1 1/2"	38.1	6.5	0.01
30008	3	10-12	1 1/2"	38.1	6.7	0.01



This practical design offers great versatility.

INTERCHANGEABLE TORX® TIPS FOR 1/4" SCREWDRIVERS

230XX

CODE	TIP SIZE	TIP DIAMETER		LENGTH			
		in	mm	in	mm		
	No.	in	mm	in	mm	grs	lbs
23040	T6	0.065"	1.6	1"	25.4	3.8	0.01
23000	T7	0.077"	1.9	1"	25.4	4.0	0.01
23004	T8	0.090"	2.2	1"	25.4	4.0	0.01
23008	T9	0.097"	2.4	1"	25.4	4.5	0.01
23012	T10	0.107"	2.7	1"	25.4	4.9	0.01
23016	T15	0.128"	3.2	1"	25.4	4.5	0.01
23020	T20	0.151"	3.8	1"	25.4	4.5	0.01
23024	T25	0.173"	4.3	1"	25.4	5.4	0.01
23028	T27	0.195"	4.9	1"	25.4	5.4	0.01
23032	T30	0.216"	5.4	1"	25.4	5.5	0.01
23036	T40	0.260"	6.6	1"	25.4	5.5	0.01



INTERCHANGEABLE TORX® TIPS FOR 5/16" SCREWDRIVERS

230XX

CODE	TIP SIZE	TIP DIAMETER		LENGTH			
		in	mm	in	mm		
	No.	in	mm	in	mm	grs	lbs
23050	T30	0.216"	5.4	1 1/4"	31.7	10.8	0.02
23054	T40	0.260"	6.6	1 1/4"	31.7	11.3	0.02
23058	T45	0.306"	7.7	1 1/4"	31.7	12.2	0.03
23060	T50	0.346"	8.7	1 1/4"	31.7	12.0	0.03
23062	T55	0.438"	11.1	1 1/4"	31.7	18.1	0.04



Precision-machined for a perfect fit.

INTERCHANGEABLE TORX® TIPS FOR 1/4" DRIVE

16XXX

CODE	TIP SIZE	TIP DIAMETER		LENGTH		Scales	
		in	mm	in	mm	grs	lbs
16040	T6	0.065"	1.6	1 15/16"	49.2	8.2	0.02
16000	T7	0.077"	1.9	1 15/16"	49.2	8.5	0.02
16307	T7	0.125"	3.18	3 1/2"	89.0	18.16	0.04
16607	T7	0.125"	3.18	6"	152.0	18.16	0.04
16004	T8	0.086"	2.2	1 15/16"	49.2	8.5	0.02
16308	T8	0.125"	3.18	3 1/2"	89.0	18.16	0.04
16608	T8	0.125"	3.18	6"	152.0	18.16	0.04
16008	T9	0.097"	2.4	1 15/16"	49.2	8.5	0.02
16309	T9	0.125"	3.18	3 1/2"	89.0	18.16	0.04
16609	T9	0.125"	3.18	6"	152.0	18.16	0.04
16012	T10	0.107"	2.7	1 15/16"	49.2	8.5	0.02
16310	T10	0.125"	3.18	3 1/2"	89.0	18.16	0.04
16610	T10	0.125"	3.18	6"	152.0	18.16	0.04
16016	T15	0.128"	3.2	1 15/16"	49.2	8.5	0.02
16315	T15	0.187"	4.75	3 1/2"	89.0	18.16	0.04
16615	T15	0.187"	4.75	6"	152.0	18.16	0.04
16020	T20	0.151"	3.8	1 15/16"	49.2	8.5	0.02
16320	T20	0.187"	4.75	3 1/2"	89.0	18.16	0.04
16620	T20	0.187"	4.75	6"	152.0	18.16	0.04
16025	T25	0.245"	6.22	1 15/16"	49.2	8.5	0.018
16325	T25	0.245"	6.22	3 1/2"	89.0	20.43	0.05
16625	T25	0.245"	6.22	6"	152.0	20.43	0.05
16028	T27	0.195"	4.9	1 15/16"	49.2	8.5	0.02
16327	T27	0.245"	6.22	3 1/2"	89.0	20.43	0.05
16627	T27	0.245"	6.22	6"	152.0	20.43	0.05
16032	T30	0.216"	5.4	1 15/16"	49.2	10.5	0.02
16330	T30	0.245"	6.22	3 1/2"	89.0	20.43	0.05
16630	T30	0.245"	6.22	6"	152.0	20.43	0.05
16036	T40	0.260"	6.6	1 15/16"	49.2	12.7	0.03
16340	T40	0.250"	6.36	3 1/2"	89.0	22.7	0.05
16640	T40	0.250"	6.35	6"	152.0	22.7	0.05



INTERCHANGEABLE HEX TIPS FOR 1/4" DRIVE

240XX

CODE	HEX SIZE		SCREW SIZE		LENGTH		Scales	
	in	mm	WITH HEAD	WITHOUT HEAD	in	mm	grs	lbs
24000	1/16"	1.58	1	5-6	1"	31.7	4.8	0.01
24004	5/64"	1.98	2-3	8	1"	31.7	4.8	0.01
24008	3/32"	2.38	4-5	10	1"	31.7	4.5	0.01
24012	1/8"	3.17	7	1/4"	1"	31.7	4.8	0.01
24016	5/32"	3.96	10	5/16"	1"	31.7	5.7	0.01
24020	3/16"	4.76	1/4"	3/8"	1"	31.7	6.0	0.01
24024	7/32"	5.55	1/4"	7/16"	1"	31.7	7.0	0.02
24028	1/4"	6.35	5/16"	1/2"	1"	31.7	8.0	0.02
24040	7/64"	2.77	6	1/4"	1"	31.7	4.2	0.01
24044	9/64"	3.37	8	5/16"	1"	31.7	5.7	0.01



INTERCHANGEABLE SQUARE TIPS FOR 1/4" SCREWDRIVERS

210XX

CODE	TIP SIZE	SQUARE SIZE		LENGTH		Scales	
						grs	lbs
	No.	in	mm	in	mm		
21020	0	0.070"	1.7	1"	25.4	5.0	0.01
21024	1	0.091"	2.3	1"	25.4	5.0	0.01
21028	2	0.112"	2.8	1"	25.4	5.0	0.01
21032	3	0.134"	3.4	1"	25.4	5.5	0.01



Designed for use with a magnetic holder for connecting to the driver. The holder is then used with a power driver.

INTERCHANGEABLE SQUARE TIPS FOR 1/4" POWER DRIVERS

1305X

CODE	SQUARE SIZE		LENGTH		Scales	
					grs	lbs
	in	mm	in	mm		
13050	0.091"	2.3	1 15/16"	49.2	9.5	0.02
13054	0.112"	2.8	1 15/16"	49.2	9.5	0.02
13058	0.134"	3.4	1 15/16"	49.2	11.0	0.02



INTERCHANGEABLE 1/4" MAGNETIC POWER HEX DRIVER TIPS IN FRACTIONAL SIZES

105XX

CODE	HEX DRIVER WIDTH		BODY DIAMETER		STEM DIAMETER		LENGTH		Scales	
									grs	lbs
	in	mm	in	mm	in	mm	in	mm		
10560	1/4"	6.3	7/16"	11.1	-	-	1 7/8"	47.6	18.7	0.04
10504	1/4"	6.3	7/16"	11.1	5/16"	7.9	2 9/16"	65.0	25.0	0.06
10576	5/16"	7.9	1/2"	12.7	-	-	1 7/8"	47.6	20.0	0.04
10520	5/16"	7.9	1/2"	12.7	5/16"	7.9	2 9/16"	65.0	28.5	0.06
10584	3/8"	9.5	9/16"	14.2	-	-	1 7/8"	47.6	24.0	0.05
10536	3/8"	9.5	9/16"	14.2	5/16"	7.9	2 9/16"	65.0	31.3	0.07
10592	7/16"	11.1	5/8"	15.8	-	-	1 7/8"	47.6	38.5	0.08
10552	7/16"	11.1	5/8"	15.8	5/16"	9.5	2 9/16"	65.0	38.0	0.08



Stem connects to power tools for installing or removing hex head screws.

INTERCHANGEABLE 1/4" POWER HEX DRIVER TIPS IN METRIC SIZES

101XX

CODE	HEX DRIVER WIDTH	BODY DIAMETER	LENGTH		Scales	
					grs	lbs
	mm	mm	mm	in		
10100	6	11.1	47.6	1.87"	18.3	0.04
10108	8	12.7	47.6	1.87"	20.5	0.05
10116	10	14.3	47.6	1.87"	24.9	0.05



BRISTOL OR TRIPLE SQUARE TIPS FOR 5/16" AND 1/2" SOCKET

Used to install or remove automotive millimeter bolts, operated with 5/16" and 1/2" hex sockets.

607XX

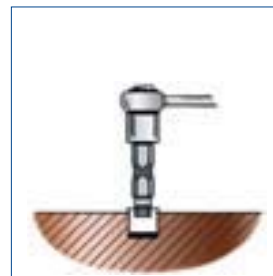
CODE	TIP SIZE		TIPS	HEX SIZE	LENGTH		WEIGHT	
	mm	in			mm	in	grs	lbs
60760	6	1/4"	12	5/16"	63.51	2.5	52	0.11
60760S	6	1/4"	12	5/16"	31.75	1.25	24	0.05
60770	8	5/16"	12	5/16"	76.22	3	66	0.15
60770S	8	5/16"	12	5/16"	31.75	1.25	26	0.06
60780	10	3/8"	12	1/2"	82.66	3.25	166	0.37
60780S	10	3/8"	12	1/2"	38.11	1.5	34	0.07
60790	12	1/2"	12	1/2"	92.25	3.75	260	0.57
60790S	12	1/2"	12	1/2"	38.11	1.5	36	0.08



60760S



60780



8

1/4" POWER HEX ADAPTERS ANVIL WITH BOLT FOR 1/4" FEMALE SQUARE DRIVE

500XX

CODE	LENGTH		WEIGHT	
	in	mm	grs	lbs
50004	2"	50.8	22.5	0.05
50012	4"	101.6	31.0	0.07
50020	6"	152.4	39.5	0.087
50028	8"	203.2	48.0	0.106



Stem connects to power tools, for adapting power sockets to them.

1/4" POWER HEX ADAPTERS ANVIL WITH BALL FOR 1/4" FEMALE SQUARE DRIVE

500XX

CODE	LENGTH		WEIGHT	
	in	mm	grs	lbs
50002	1 3/8"	34.9	8.0	0.02
50006	2"	50.8	15.2	0.03
50014	4"	101.6	41.2	0.09



Vital component for handling and using tips with power tools.

MAGNETIC 1/4" HEX POWER ADAPTER FOR TIPS WITH 1/4" MALE HEX BASE

55004

CODE	HEX DRIVER WIDTH		BODY DIAMETER		NOSE DIAMETER		LENGTH		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
55004	1/4"	6.3	7/16"	11.1	7/16"	11.1	2 1/4"	57.1	23.9	0.05



Code 55004

Magnetic adapter that lets you insert power tips securely and easily using a screwdriver with interchangeable tips. First insert the adapter into the screwdriver and then the power tip required.

1/4" HEX POWER ADAPTER WITH RETAINING RING FOR TIPS WITH 1/4" MALE HEX BASE

5501X

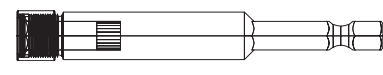
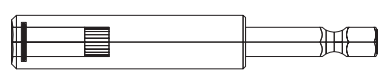
CODE	HEX DRIVER WIDTH		BODY DIAMETER		NOSE DIAMETER		LENGTH		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
55010	1/4"	6.3	7/16"	11.1	7/16"	11.1	2 15/16"	74.6	32.0	0.07
55012	1/4"	6.3	7/16"	11.1	7/16"	11.1	2 31/32"	75.4	36.7	0.08



55010



55012



T-TYPE HEX KEY SETS

4965

10 PIECES

SET OF 10 T-TYPE HEX KEYS IN FRACTIONAL SIZES, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
46406	3/32"	2.3	6"	152.4	11	0.02
46407	7/64"	2.7	6"	152.4	15	0.03
46408	1/8"	3.1	6"	152.4	21	0.05
46409	9/64"	3.5	6"	152.4	33	0.07
46410	5/32"	3.9	6"	152.4	32	0.07
46412	3/16"	4.7	6"	152.4	54	0.12
46414	7/32"	5.5	6"	152.4	73	0.16
46416	1/4"	6.3	6"	152.4	95	0.21
46420	5/16"	7.9	6"	152.4	227	0.50
46424	3/8"	9.5	6"	152.4	277	0.61
E4965	Pouch					



T design allows better grip and greater torque

4966

8 PIECES

SET OF 8 T-TYPE METRIC HEX KEYS, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	in	grs	lbs
46508	2	6"	152.4	9	0.02	
46510	2.5	6"	152.4	12	0.03	
46512	3	6"	152.4	18	0.04	
46514	4	6"	152.4	32	0.07	
46516	5	6"	152.4	59	0.13	
46518	6	6"	152.4	85	0.19	
46520	8	6"	152.4	190	0.42	
46522	10	6"	152.4	300	0.66	
E4966	Pouch					



8

L-TYPE HEX KEY SETS IN FRACTIONAL SIZES

The innovative design of these cases keeps the wrenches secure while they remain aligned with the case. To remove a wrench, just turn it 90° and slide it easily upward.

49822

22 PIECES

SET OF 22-PIECES IN TWO PLASTIC RACKS L-TYPE LONG HEX KEY SET, BALL TYPE IN FRACTIONAL AND METRIC SIZES

RATED SIZE		LENGTH		RATED SIZE		LENGTH	
in	mm	in	mm	mm	in	mm	
0.05"	1.2	1 13/16"	46	1.5	1 13/16"	46	
1/16"	1.5	1 29/32"	48	2	2"	51	
5/64"	1.9	2"	51	2.5	2 7/32"	56	
3/32"	2.3	2 3/32"	53	3	2 13/32"	61	
7/64"	2.7	2 5/16"	59	4	2 19/32"	66	
1/8"	3.1	2 13/32"	61	5	3 1/8"	79	
9/64"	3.5	2 19/32"	66	6	3 5/16"	84	
5/32"	3.9	2 23/32"	69	8	4 1/8"	105	
3/16"	4.7	2 15/16"	75	10	5 1/8"	130	
7/32"	5.5	3 1/2"	89				
1/4"	6.3	3 23/32"	94				
5/16"	7.9	4 13/16"	122				
3/8"	9.5	5 1/8"	130				



HEX KEYS

4995

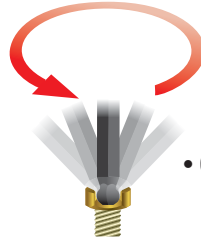
13 PIECES

SET OF 13-PIECE L-TYPE HEX KEY SET IN FRACTIONAL SIZES, BALL TYPE, WITH PLASTIC RACK

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-0.05BP	0.05"	1.2	2 7/8"	72.2	.9	0.002
49-1/16BP	1/16"	1.5	3"	76.2	1.5	0.003
49-5/64BP	5/64"	1.9	3 3/16"	81.3	2.5	0.01
49-3/32BP	3/32"	2.3	3 3/8"	86.1	3.8	0.01
49-7/64BP	7/64"	2.7	3 9/16"	90.4	5.5	0.01
49-1/8BP	1/8"	3.1	3 3/4"	96.0	7.6	0.02
49-9/64BP	9/64"	3.5	4"	101.6	10.1	0.02
49-5/32BP	5/32"	3.9	4 1/8"	107.5	13.1	0.03
49-3/16BP	3/16"	4.7	4 1/2"	114.6	20.9	0.05
49-7/32BP	7/32"	5.5	4 7/8"	125.0	30.0	0.07
49-1/4BP	1/4"	6.3	5 1/4"	134.1	44.0	0.10
49-5/16BP	5/16"	7.9	6"	152.4	78.0	0.17
49-3/8BP	3/8"	9.5	6 3/4"	169.0	129.1	0.28



- 25° angle of entry for work in hard-to-reach areas.
- Can be inserted and removed quickly.



- Ergonomic design permits natural rotation of hand and wrist.
- Full 360° rotation.

- Quick funnel-type entry with full engagement.



4996

9 PIECES

SET OF 9-PIECE METRIC L-TYPE HEX KEY SET, BALL TYPE, WITH PLASTIC RACK

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	grs	lbs	
49-1.5BP	1.5	3"	76.2	1.3	0.00	
49-2BP	2	3 1/16"	81.3	2.5	0.01	
49-2.5BP	2.5	3 1/2"	88.9	4.4	0.01	
49-3BP	3	3 7/8"	99	6.9	0.02	
49-4BP	4	4"	104	13.6	0.03	
49-5BP	5	4 9/16"	116	24	0.05	
49-6BP	6	5 7/16"	138	40	0.09	
49-8BP	8	6 1/4"	157	82	0.18	
49-10BP	10	6 9/16"	167	138	0.30	

- 25° angle of entry for work in hard-to-reach areas.



4972R

13 PIECES

SET OF 13-PIECE L-TYPE LONG HEX KEY SET IN FRACTIONAL SIZES, WITH PLASTIC RACK

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-0.05L	0.05"	1.2	2 7/8"	73.0	0.9	0.002
49-1/16L	1/16"	1.5	3 3/16"	76.0	1.5	0.003
49-5/64L	5/64"	1.9	3 3/16"	81.0	2.5	0.01
49-3/32L	3/32"	2.3	3 3/8"	85.7	3.9	0.01
49-7/64L	7/64"	2.7	3 9/16"	90.4	5.5	0.01
49-1/8L	1/8"	3.1	3 3/4"	95.2	7.7	0.02
49-9/64L	9/64"	3.5	3 15/16"	100.0	10.3	0.02
49-5/32L	5/32"	3.9	4 1/8"	104.7	13.4	0.03
49-3/16L	3/16"	4.7	4 1/2"	114.3	21.0	0.05
49-7/32L	7/32"	5.5	4 7/8"	123.8	31.2	0.07
49-3/4L	1/4"	6.3	5 1/4"	133.3	44.3	0.10
49-5/16L	5/16"	7.9	6"	152.4	78.1	0.17
49-3/8L	3/8"	9.5	6 3/4"	171.0	129.1	0.28



4972

12 PIECES

SET OF 12 L-TYPE HEX KEYS IN FRACTIONAL SIZES, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-1/16	1/16"	1.5	1 3/4"	44.4	.9	0.002
49-5/64	5/64"	1.9	1 7/8"	47.0	1.6	0.00
49-3/32	3/32"	2.3	2"	52.3	2.6	0.01
49-7/64	7/64"	2.7	2 1/8"	53.0	3.7	0.01
49-1/8	1/8"	3.1	2 1/4"	57.0	5	0.01
49-9/64	9/64"	3.5	2 3/8"	60.3	7	0.02
49-5/32	5/32"	3.9	2 1/2"	63.0	9	0.02
49-3/16	3/16"	4.7	2 3/4"	69.0	14	0.03
49-7/32	7/32"	5.5	3"	76.0	22	0.05
49-1/4	1/4"	6.3	3 1/4"	82.0	31	0.07
49-5/16	5/16"	7.9	3 3/4"	95.2	54	0.12
49-3/8	3/8"	9.5	4 1/4"	107.9	88	0.19
E4972	Pouch					



Practical plastic pouch keeps wrenches organized.



4975

11 PIECES

SET OF 11 L-TYPE HEX KEYS IN FRACTIONAL SIZES, WITH METAL CASE

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-5/64	5/64"	1.9	1 7/8"	47.0	1.6	0.004
49-3/32	3/32"	2.3	2"	50.8	2.6	0.01
49-7/64	7/64"	2.7	2 1/8"	53.0	3.7	0.01
49-1/8	1/8"	3.1	2 1/4"	57.0	5	0.01
49-9/64	9/64"	3.5	2 3/8"	60.3	7	0.02
49-5/32	5/32"	3.9	2 1/2"	63.5	9	0.02
49-3/16	3/16"	4.7	2 3/4"	69.0	14	0.03
49-7/32	7/32"	5.5	3"	76.0	22	0.05
49-1/4	1/4"	6.3	3 1/4"	82.0	31	0.07
49-5/16	5/16"	7.9	3 3/4"	95.2	54	0.12
49-3/8	3/8"	9.5	4 1/4"	107.9	88	0.19
4075	Metal case					



Useful metal case keeps your hex keys together.



4979

11 PIECES

SET OF 11 LONG L-TYPE HEX KEYS IN FRACTIONAL SIZES, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-5/64 L	5/64"	1.9	3 5/16"	81.0	2.5	0.01
49-3/32 L	3/32"	2.3	3 3/8"	86.0	3.9	0.01
49-7/64 L	7/64"	2.7	3 9/16"	90.4	5.5	0.01
49-1/8 L	1/8"	3.1	3 3/4"	95.0	7.7	0.02
49-9/64 L	9/64"	3.5	3 15/16"	100	10.3	0.02
49-5/32 L	5/32"	3.9	4 1/8"	105	13.0	0.03
49-3/16 L	3/16"	4.7	4 1/2"	114	21.0	0.05
49-7/32 L	7/32"	5.5	4 7/8"	124	31.0	0.07
49-1/4 L	1/4"	6.3	5 1/4"	133	44.0	0.10
49-5/16 L	5/16"	7.9	6"	152	78.0	0.17
49-3/8 L	3/8"	9.5	6 3/4"	171	127	0.28
E4979	Pouch					



4977

7 PIECES

SET OF 7 L-TYPE HEX KEYS IN FRACTIONAL SIZES, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	in	mm	in	mm	grs	lbs
49-5/64	5/64	1.9	1 7/8"	48.0	1.6	0.00
49-3/32	3/32	2.3	2"	50.8	2.6	0.01
49-1/8	1/8	3.1	2 1/4"	57.0	5.1	0.01
49-5/32	5/32	3.9	2 1/2"	63.5	13.0	0.03
49-3/16	3/16	4.7	2 3/4"	69.0	14.0	0.03
49-7/32	7/32	5.5	3"	76.0	21.0	0.05
49-1/4	1/4	6.3	3 1/4"	83.0	31.0	0.07
4977E	Pouch					



METRIC L-TYPE HEX KEY SETS

4976A

11 PIECES

SET OF 11 METRIC L-TYPE HEX KEYS, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	grs	lbs	
49-1.5	1.5	1 3/4"	44	1.8	0.004	
49-2	2	1 15/16"	49	1.7	0.00	
49-2.5	2.5	2 3/16"	55	3	0.01	
49-3	3	2 7/16"	62	5	0.01	
49-4	4	2 5/8"	68	10	0.02	
49-5	5	3"	78	18	0.04	
49-6	6	3 1/2"	88	29	0.06	
49-7	7	3 5/8"	93	43	0.09	
49-8	8	3 7/8"	98	57	0.13	
49-9	9	4"	103	76	0.17	
49-10	10	4 1/4"	109	101	0.22	
E4976A	Pouch					



4975M

11 PIECES

SET OF 11 METRIC L-TYPE HEX KEYS, WITH METAL CASE

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	grs	lbs	
49-1.27	1.27	1 5/8"	41.2	0.6	0.001	
49-1.5	1.5	1 3/4"	44.0	0.8	0.00	
49-2	2	1 15/16"	49.0	16.7	0.04	
49-2.5	2.5	2 3/16"	55.0	2.3	0.01	
49-3	3	2 7/16"	62.0	4.8	0.01	
49-4	4	2 5/8"	70.0	9.9	0.02	
49-5	5	3"	78.0	17.8	0.04	
49-6	6	3 1/2"	88.0	29.0	0.06	
49-8	8	3 7/8"	98.0	57.0	0.13	
49-10	10	4 1/4"	109.0	101.0	0.22	
4075	Metal case					



HEX KEYS



4972M

9 PIECES

SET OF 9 METRIC L-TYPE LONG HEX KEYS, WITH PLASTIC RACK

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	grs	lbs	
49-1.5L	1.5	3"	77	1.3	0.003	
49-2L	2	3 1/16"	81	2.5	0.01	
49-2.5L	2.5	3 1/2"	88.9	4.5	0.01	
49-3L	3	3 7/8"	99	7	0.02	
49-4L	4	4"	104	14	0.03	
49-5L	5	4 9/16"	116	24	0.05	
49-6L	6	5 7/16"	138.1	41	0.09	
49-8L	8	6 1/4"	157	83	0.18	
49-10L	10	6 9/16"	167	139	0.31	



Useful plastic organizer keeps wrenches in order by sizes, which are printed on the rack itself.

4977M

7 PIECES

SET OF 7 METRIC L-TYPE HEX KEYS, WITH POUCH

CODE	RATED SIZE		LENGTH		TOTAL	
	mm	in	mm	grs	lbs	
49-2	2	1 15/16"	49	16.7	0.04	
49-2.5	2.5	2 3/16"	55	2.3	0.01	
49-3	3	2 7/16"	62	4.8	0.01	
49-4	4	2 5/8"	68	9.9	0.02	
49-5	5	3"	78	17.8	0.04	
49-6	6	3 1/2"	88	29	0.06	
49-8	8	3 7/8"	98	57	0.13	
4977E	Pouch					



8

FOLDING HEX KEY SETS IN FRACTIONAL SIZES

Exclusive versatile design gives you all the sizes you need in one set, while its tough design lets you apply more torque than you ever thought possible. Forged of "PREMIUM" 8650 steel and heat-treated with high precision to ensure maximum hardness. Improved design lets you use them at any angle.

49824

24 TIPS

SET OF 24 FOLDING HEX KEYS IN TORX, FRACTIONAL & METRIC IN 3 INDIVIDUAL PLASTIC CASES (RED, BLUE AND GREEN)

RATED SIZE		LENGTH		RATED SIZE		LENGTH		RATED SIZE		LENGTH	
in	mm	in	mm	mm	in	mm	mm	in	mm	mm	in
5/64"	1.9	2"	1.9	1.5	1 13/16"	46	T8	2"	51		
3/32"	2.3	2 3/32"	2.3	2	2"	51	T10	2 13/32"	61		
7/64"	2.7	2 5/16"	2.7	2.5	2 7/32"	56	T15	2 1/2"	64		
1/8"	3.1	2 13/32"	3.1	3	2.4	61	T20	2 13/16"	71		
9/64"	3.5	2 19/32"	3.5	4	2 19/32"	66	T25	3 13/32"	86		
5/32"	3.9	2 23/32"	3.9	5	3.1	79	T27	3 1/2"	89		
3/16"	4.7	2 15/16"	4.7	6	3 5/16"	84	T30	3 23/32"	94		
7/32"	5.5	3 1/2"	5.5				T40	3 29/32"	99		
1/4"	6.3	3 23/32"	6.3								



49816

16 TIPS
SET OF 16 FOLDING HEX KEYS, IN FRACTIONAL AND METRIC SIZES IN 2 PLASTIC CASES (RED AND BLUE)

RATED SIZE		LENGTH		RATED SIZE		LENGTH	
in	mm	pulg	mm	mm	pulg	mm	
5/64"	1.9	2"	51	1.5	1 13/16"	46	
3/32"	2.3	2 3/32"	53	2	2"	51	
7/64"	2.7	2 5/16"	59	2.5	2 7/32"	56	
1/8"	3.1	2	61	3	2 13/32"	61	
9/64"	3.5	13/32"	66	4	2 19/32"	66	
5/32"	3.9	2		5	3 1/8"	79	
3/16"	4.7	19/32"		6	3 5/16"	84	
7/32"	5.5						
1/4"	6.3						



4994B

6 TIPS
SET OF 6 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 5/32" TO 3/8", IN PLASTIC CASE

RATED SIZE

in	mm
5/32"	3.9
3/16"	4.7
7/32"	5.5
1/4"	6.3
5/16"	7.9
3/8"	9.5



4977B

9 TIPS
SET OF 9 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 5/64" TO 1/4", IN RED PLASTIC CASE

RATED SIZE LENGTH

in	mm	in	mm
5/64"	1.98	2 9/32"	57.9
3/32"	2.38	2 3/16"	55.5
7/64"	2.77	2"	50.8
1/8"	3.17	1 29/32"	48.4
9/64"	3.57	1 27/32"	46.8
5/32"	3.96	1 7/8"	47.6
3/16"	4.76	1 15/16"	49.2
7/32"	5.55	2"	50.8
1/4"	6.35	2 1/4"	57.1



4978B

9 TIPS

SET OF 9 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 0.050" TO 3/16", IN PLASTIC CASE

RATED SIZE	
in	mm
0.050"	1.2
1/16"	1.5
5/64"	1.9
3/32"	2.3
7/64"	2.7
1/8"	3.1
9/64"	3.5
5/32"	3.9
3/16"	4.7



4993

9 TIPS

SET OF 9 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 5/64" TO 1/4", IN METAL CASE

RATED SIZE		LENGTH	
in	mm	in	mm
5/64"	1.9	1 1/2"	38.1
3/32"	2.3	1 5/8"	41.2
7/64"	2.7	1 3/4"	44.4
1/8"	3.1	1 15/16"	49.1
9/64"	3.5	2"	50.8
5/32"	3.9	2 1/8"	53.9
3/16"	4.7	2 5/8"	66.6
7/32"	5.5	2 7/8"	73.1
1/4"	6.3	3"	76.2



8

High-strength steel body.

4978

9 TIPS

SET OF 9 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 0.050" TO 3/16", IN METAL CASE

RATED SIZE		LENGTH	
in	mm	in	mm
0.050"	1.2	1 1/4"	31.8
1/16"	1.5	1 7/16"	36.2
5/64"	1.9	1 1/2"	38.1
3/32"	2.3	1 5/8"	41.2
7/64"	2.7	1 3/4"	44.4
1/8"	3.1	1 15/16"	49.1
9/64"	3.5	2"	50.8
5/32"	3.9	2 1/8"	53.9
3/16"	4.7	2 3/8"	60.3



Versatile folding design keeps your hex keys together.

4992

8 TIPS

SET OF 8 FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 0.050" TO 5/32", IN METAL CASE

RATED SIZE		LENGTH	
in	mm	in	mm
0.050"	1.2	1 1/4"	71.8
1/16"	1.5	1 7/16"	36.2
5/64"	1.9	1 1/2"	38.1
3/32"	2.3	1 5/8"	41.2
7/64"	2.7	1 3/4"	44.4
1/8"	3.1	1 15/16"	49.1
9/64"	3.5	2"	50.8
5/32"	3.9	2 1/8"	53.9



EXTRA-LONG FOLDING HEX KEY SETS IN FRACTIONAL SIZES

4994

5 TIPS

SET OF 5 EXTRA-LONG FOLDING HEX KEYS, IN FRACTIONAL SIZES FROM 3/16" TO 3/8", IN METAL CASE

RATED SIZE		LENGTH	
in	mm	in	mm
3/16"	4.7	2 9/16"	63.5
7/32"	5.5	2 13/16"	71.9
1/4"	6.3	3"	76.2
5/16"	7.9	4"	101.6
3/8"	9.5	4 1/8"	104.8



METRIC FOLDING HEX KEY SETS

4973BM

6 TIPS

SET OF 6 METRIC FOLDING HEX KEYS, FROM 3 TO 10 MM, IN BLUE PLASTIC CASE

RATED SIZE		LENGTH	
mm	in	mm	
3	2.9	73.66	
4	3.2	81.28	
5	3.5	88.90	
6	3.8	96.52	
8	4.9	124.46	
10	5.2	132.08	



4977BM

7 TIPS

SET OF 7 METRIC FOLDING HEX KEYS, FROM 2 TO 8 MM, IN BLUE PLASTIC CASE

RATED SIZE		LENGTH	
mm	in	mm	
2	1 13/16"	46.0	
2.5	1 7/8"	47.6	
3	1 31/32"	50.0	
4	2 1/32"	51.5	
5	2 5/64"	52.7	
6	2 7/64"	53.5	
8	2 1/4"	57.1	



Comfortable impact-resistant plastic case/handle.



4974

7 TIPS

SET OF 7 METRIC FOLDING HEX KEYS, FROM 1.5 TO 6 MM, IN METAL CASE

RATED SIZE		LENGTH
mm	in	mm
1.5	1 7/16"	36.2
2	1 9/16"	39.0
2.5	1 11/16"	45.5
3	1 15/16"	48.9
4	2 1/8"	53.5
5	2 5/16"	59.0
6	2 5/8"	67.0



4973

6 TIPS

SET OF 6 EXTRA-LONG METRIC FOLDING HEX KEYS, FROM 3 TO 10 MM, IN METAL CASE

RATED SIZE		LENGTH
mm	in	mm
3	2 5/16"	58.7
4	2 5/8"	67
5	2 13/16"	71.4
6	3 1/16"	78.5
8	4"	101.2
10	4 1/8"	104.8



8

FOLDING TORX KEY SETS

4977TX

7 TIPS

SET OF 7 FOLDING TORX KEYS IN GREEN PLASTIC CASE

RATED SIZE		LENGTH
mm	in	mm
T10	1 45/64"	43.2
T15	1 31/32"	50.0
T20	1 1/16"	52.3
T25	2 5/32"	54.7
T27	1 7/8"	47.6
T30	2"	50.8
T40	2 7/32"	56.3



4979TX

7 TIPS

SET OF 7 FOLDING TORX KEYS IN METAL CASE

RATED SIZE		LENGTH
	in	mm
T10	2 1/8"	54.7
T15	2 5/16"	58.7
T20	2 7/16"	62.7
T25	2 5/8"	66.6
T27	2 3/4"	69.8
T30	3"	76.2
T40	3 1/4"	85.7



T-TYPE HEX KEYS IN FRACTIONAL SIZES WITH VINYL HANDLE

464XXG

T-TYPE HEX KEYS IN FRACTIONAL SIZES WITH VINYL HANDLE, 6" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	in	mm	in	mm	in	mm	grs	lbs
46406G	3/32"	2.4	3"	76.2	6"	152.4	11	0.02
46407G	7/64"	2.8	3"	76.2	6"	152.4	15	0.03
46408G	1/8"	3.2	3"	76.2	6"	152.4	20	0.04
46409G	9/64"	3.6	3"	76.2	6"	152.4	25	0.06
46410G	5/32"	4.0	3"	76.2	6"	152.4	30	0.07
46412G	3/16"	4.7	3"	76.2	6"	152.4	54	0.10
46414G	7/32"	5.5	4"	101.6	6"	152.4	90	0.20
46416G	1/4"	6.4	4"	101.6	6"	152.4	100	0.22
46420G	5/16"	7.9	4"	101.6	6"	152.4	227	0.50
46424G	3/8"	9.5	4"	101.6	6"	152.4	277	0.61



STANDARDS:
FEDERAL GGG-K-275



Plastic coating makes the handle more comfortable.

464XXLG

T-TYPE HEX KEYS IN FRACTIONAL SIZES WITH VINYL HANDLE, 9" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	in	mm	in	mm	in	mm	grs	lbs
46410LG	5/32"	4.0	4"	101.6	9"	228.6	50	0.11
46412LG	3/16"	4.7	4"	101.6	9"	228.6	70	0.15
46414LG	7/32"	5.5	4"	101.6	9"	228.6	100	0.22
46416LG	1/4"	6.4	4"	101.6	9"	228.6	130	0.29
46420LG	5/16"	7.9	6"	152.4	9"	228.6	250	0.55
46424LG	3/8"	9.5	6"	152.4	9"	228.6	350	0.77



STANDARDS:
FEDERAL GGG-K-275



T-TYPE HEX KEYS IN FRACTIONAL SIZES

464XX

T-TYPE HEX KEYS IN FRACTIONAL SIZES, 6" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	in	mm	in	mm	in	mm	grs	lbs
46406	3/32"	2.3	2 3/4"	69.8	6"	152.4	10.6	0.02
46407	7/64"	2.7	2 3/4"	69.8	6"	152.4	15.0	0.03
46408	1/8"	3.1	3"	76.2	6"	152.4	20.8	0.05
46409	9/64"	3.5	3"	76.2	6"	152.4	32.6	0.08
46410	5/32"	3.9	3"	76.2	6"	152.4	31.8	0.07
46412	3/16"	4.7	4"	101.6	6"	152.4	53.6	0.12
46414	7/32"	5.5	4"	101.6	6"	152.4	72.0	0.16
46416	1/4"	6.3	4"	101.6	6"	152.4	95.0	0.21
46420	5/16"	7.9	6"	152.4	6"	152.4	227.5	0.50
46424	3/8"	9.5	6"	152.4	6"	152.4	277.3	0.61



STANDARDS:
ASME/ANSI B18.3.2M



Manufactured with high quality steel.

464XXL

T-TYPE HEX KEYS IN FRACTIONAL SIZES, 9" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	in	mm	in	mm	in	mm	grs	lbs
46406L	3/32"	2.4	3"	76.2	9"	228.6	14	0.03
46407L	7/64"	2.8	3"	76.2	9"	228.6	20	0.04
46408L	1/8"	3.2	3"	76.2	9"	228.6	25	0.06
46409L	9/64"	3.6	3"	76.2	9"	228.6	32	0.07
46410L	5/32"	4.0	3"	76.2	9"	228.6	50	0.11
46412L	3/16"	4.7	3"	76.2	9"	228.6	70	0.15
46414L	7/32"	5.5	4"	76.2	9"	228.6	100	0.22
46416L	1/4"	6.4	4"	76.2	9"	228.6	130	0.29
46420L	5/16"	7.9	4"	101.6	9"	228.6	250	0.55
46424L	3/8"	9.5	4"	101.6	9"	228.6	350	0.77



STANDARDS:
FEDERAL GGG-K-275



T-type design lets you apply more torque.

METRIC T-TYPE HEX KEYS WITH VINYL HANDLE, 6" LONG

465XXG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	mm	in	mm	in	mm	in	grs	lbs
46508G	2	3"	76.2	6"	152.4	6"	14	0.03
46510G	2.5	3"	76.2	6"	152.4	6"	20	0.04
46512G	3	3"	76.2	6"	152.4	6"	25	0.06
46514G	4	3"	76.2	6"	152.4	6"	32	0.07
46516G	5	3"	76.2	6"	152.4	6"	50	0.11
46518G	6	3"	76.2	6"	152.4	6"	70	0.15
46520G	8	4"	101.6	6"	152.4	6"	100	0.22
46522G	10	4"	101.6	6"	152.4	6"	130	0.29

STANDARDS:
 ASME/ANSI B18.3.2M
 NOM-087 ISO 2936



METRIC T-TYPE HEX KEYS

465XX

METRIC T-TYPE HEX KEYS, 6" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	mm	in	mm	in	mm	in	grs	lbs
46508	2	2 3/4"	69.8	6"	152.4	6"	8.0	0.02
46510	2.5	2 3/4"	69.8	6"	152.4	6"	11.5	0.03
46512	3	3"	76.2	6"	152.4	6"	18.4	0.04
46514	4	3"	76.2	6"	152.4	6"	32.3	0.07
46516	5	4"	101.6	6"	152.4	6"	58.0	0.13
46518	6	4"	101.6	6"	152.4	6"	85.0	0.19
46520	8	6"	152.4	6"	152.4	6"	199.3	0.44
46522	10	6"	152.4	6"	152.4	6"	309.0	0.68

STANDARDS:
 ASME/ANSI B18.3.2M



465XXL

METRIC T-TYPE HEX KEYS, 9" LONG

CODE	RATED SIZE		ARM LENGTH		LENGTH		Scales	
	mm	in	mm	in	mm	in	grs	lbs
46508L	2	3"	76.2	9"	228.6	9"	14	0.03
46510L	2.5	3"	76.2	9"	228.6	9"	20	0.04
46512L	3	3"	76.2	9"	228.6	9"	25	0.06
46514L	4	3"	76.2	9"	228.6	9"	32	0.07
46516L	5	3"	76.2	9"	228.6	9"	50	0.11
46518L	6	3"	76.2	9"	228.6	9"	70	0.15
46520L	8	4"	101.6	9"	228.6	9"	100	0.22
46522L	10	4"	101.6	9"	228.6	9"	130	0.29

STANDARDS:
 FEDERAL GGG-K-275



L-TYPE HEX KEYS IN FRACTIONAL SIZES, BALL TIP

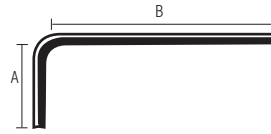
49-X/XBP

L-TYPE HEX KEYS IN FRACTIONAL SIZES, BALL TIP

CODE	RATED SIZE		ARM LENGTH		TOTAL LENGTH		TORQUE STRENGTH	
	in	mm	in	mm	in	mm	grs	lbs
49-0.05BP	0.05"	1.3	0.53"	13.5	2 7/8"	72.1	0.9	0.00
49-1/16BP	1/16"	1.5	0.56"	14.2	3"	76.2	1.5	0.00
49-5/64BP	5/64"	1.9	0.61"	15.5	3 3/16"	81.0	2.5	0.01
49-3/32BP	3/32"	2.3	0.66"	16.8	3 3/8"	85.9	3.8	0.01
49-7/64BP	7/64"	2.8	0.70"	17.8	3 9/16"	90.4	5.5	0.01
49-1/8BP	1/8"	3.2	0.75"	19.1	3 3/4"	95.3	7.6	0.02
49-9/64BP	9/64"	3.5	0.80"	20.3	3 15/16"	100.1	10.1	0.02
49-5/32BP	5/32"	4.0	0.84"	21.3	4 1/8"	104.6	13.1	0.03
49-3/16BP	3/16"	4.8	0.94"	23.9	4 1/2"	114.3	20.9	0.05
49-7/32BP	7/32"	5.7	1.03"	26.2	4 7/8"	124.0	30.4	0.07
49-1/4BP	1/4"	6.4	1.12"	28.4	5 1/4"	133.4	43.7	0.10
49-5/16BP	5/16"	7.9	1.25"	31.8	6"	152.4	77.9	0.17
49-3/8BP	3/8"	9.5	1.38"	35.1	6 3/4"	171.5	125.5	0.28
49-7/16BP	7/16"	11.1	1.50"	38.1	7 1/2"	190.5	192.5	0.42
49-1/2BP	1/2"	12.7	1.63"	41.4	8 1/4"	209.6	269.6	0.59
49-5/8BP	5/8"	15.9	1.75"	44.5	9"	228.6	500.3	1.10
49-3/4BP	3/4"	19.1	1.88"	47.8	9 3/4"	247.7	829.2	1.83



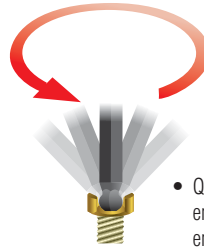
STANDARDS:
FEDERAL GGG-K-275



- 25° angle of entry for work in hard-to-reach areas.
- Can be inserted and removed quickly.



- Ergonomic design permits natural rotation of hand and wrist.
- Full 360° rotation.



- Quick funnel-type entry with full engagement.

METRIC L-TYPE HEX KEYS , BALL TIP

49-XBP

CODE	RATED SIZE		ARM LENGTH		TOTAL LENGTH		TORQUE STRENGTH	
	mm	in	mm	in	mm	in	grs	lbs
49-1.32BP	1.3	0.05	13.5	2 7/8"	72.1	0.9	0.00	5.25
49-1.5BP	1.5	0.06	13.5	3"	77.0	1.3	0.00	8.90
49-2BP	2	0.08	15.5	3 3/16"	81.0	2.5	0.01	19
49-2.5BP	2.5	0.10	17.5	3 1/2"	88.4	4.4	0.01	42
49-3BP	3	0.12	19.1	3 7/8"	98.6	6.9	0.02	68
49-4BP	4	0.16	23.9	4"	103.9	13.6	0.03	158
49-5BP	5	0.20	26.9	4 9/16"	116.1	23.9	0.05	310
49-6BP	6	0.24	31.0	5 7/16"	137.9	40.6	0.09	505
49-7BP	7	0.28	35.1	6 1/4"	157.5	60.2	0.13	810
49-8BP	8	0.31	35.1	6 1/4"	157.5	82.4	0.18	1.115
49-9BP	9	0.35	39.1	6 9/16"	167.1	108.0	0.24	1.673
49-10BP	10	0.39	39.1	6 9/16"	167.1	138.4	0.31	2.230
49-12BP	12	0.47	43.9	8 1/4"	209.0	243.8	0.54	3.717
49-14BP	14	0.55	54.6	9 1/8"	232.4	376.5	0.83	5.930



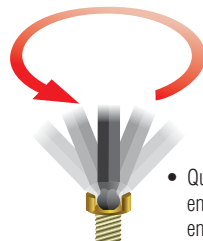
STANDARDS: NOM 087
ISO 2936



- 25° angle of entry for work in hard-to-reach areas.
- Can be inserted and removed quickly.



- Ergonomic design permits natural rotation of hand and wrist.
- Full 360° rotation.



- Quick funnel-type entry with full engagement.

LONG L-TYPE HEX KEYS IN FRACTIONAL SIZES

49-X/XL

CODE	RATED SIZE		ARM LENGTH		TOTAL LENGTH		TORQUE STRENGTH	
	in	mm	in	mm	in	mm	grs	lbs
49-0.050L	0.05	1.3	0.53	13.5	2 7/8"	72.1	0.9	0.00
49-1/16L	1/16"	1.6	0.56	14.2	3"	76.2	1.5	0.00
49-5/64L	5/64"	2.0	0.61	15.5	3 1/8"	81.0	2.5	0.01
49-3/32L	3/32"	2.4	0.66	16.8	3 3/8"	85.9	3.9	0.01
49-7/64L	7/64"	2.8	0.70	17.8	3 1/2"	90.4	5.5	0.01
49-1/8L	1/8"	3.2	0.75	19.1	3 3/4"	95.3	7.7	0.02
49-9/64L	9/64"	3.6	0.80	20.3	3 15/16"	100.1	10.3	0.02
49-5/32L	5/32"	4.0	0.84	21.3	4 1/8"	104.6	13.4	0.03
49-3/16L	3/16"	4.8	0.94	23.9	4 1/2"	114.3	21.0	0.05
49-7/32L	7/32"	5.6	1.03	26.2	4 7/8"	124.0	31.2	0.07
49-1/4L	1/4"	6.4	1.12	28.4	5 1/4"	133.4	44.3	0.10
49-5/16L	5/16"	7.6	1.25	31.8	6"	152.4	78.1	0.17
49-3/8L	3/8"	9.6	1.38	35.1	6 3/4"	171.5	126.8	0.28
49-7/16L	7/16"	11.2	1.50	38.1	7 1/2"	190.5	192.7	0.42
49-1/2L	1/2"	12.8	1.63	41.4	8 1/4"	209.6	272.5	0.60
49-9/16L	9/16"	14.4	1.75	44.5	9"	228.6	383.1	0.84
49-5/8L	5/8"	16.0	1.88	47.8	9 3/4"	247.7	499.8	1.10
49-3/4L	3/4"	19.2	2.13	54.1	11 1/4"	285.8	843.7	1.86
49-7/8L	7/8"	22.4	2.38	60.5	12 3/4"	323.9	1300.7	2.87
49-1L	1"	25.6	2.63	66.8	14 1/4"	362.0	1895.2	4.18

Extra length lets you reach far-away nuts or screws



STANDARDS:
FEDERAL GGG-K-275

L-TYPE HEX KEYS IN FRACTIONAL SIZES

49-X/X

CODE	RATED SIZE		ARM LENGTH		TOTAL LENGTH		TORQUE STRENGTH	
	in	mm	in	mm	in	mm	grs	lbs
49-0.05	0.05"	1.3	0.53"	13.5	1 11/16"	42.2	0.6	0.00
49-1/16	1/16"	1.6	0.56"	14.2	1 3/4"	44.5	0.9	0.00
49-5/64	5/64"	2.0	0.61"	15.5	1 7/8"	47.8	1.6	0.00
49-3/32	3/32"	2.4	0.66"	16.8	2"	50.8	2.6	0.01
49-7/64	7/64"	2.8	0.70"	17.8	2 1/8"	53.8	3.7	0.01
49-1/8	1/8"	3.2	0.75"	19.1	2 1/4"	57.2	5.1	0.01
49-9/64	9/64"	3.6	0.80"	20.3	2 3/8"	60.5	6.9	0.02
49-5/32	5/32"	4.0	0.84"	21.3	2 1/2"	63.5	9.0	0.02
49-3/16	3/16"	4.8	0.94"	23.9	2 3/4"	69.9	13.6	0.03
49-7/32	7/32"	5.6	1.03"	26.2	3"	76.2	21.5	0.05
49-1/4	1/4"	6.4	1.12"	28.4	3 1/4"	82.6	30.6	0.07
49-5/16	5/16"	7.6	1.25"	31.8	3 3/4"	95.3	53.7	0.12
49-3/8	3/8"	9.6	1.38"	35.1	4 1/4"	108.0	87.9	0.19
49-7/16	7/16"	11.2	1.50"	38.1	4 3/4"	120.7	134.7	0.30
49-1/2	1/2"	12.8	1.63"	41.4	5 1/4"	133.4	190.2	0.42
49-9/16	9/16"	14.4	1.75"	44.5	5 3/4"	146.1	268.9	0.59
49-5/8	5/8"	16.0	1.88"	47.8	6 1/4"	158.8	361.2	0.80
49-3/4	3/4"	19.2	2.13"	54.1	7 1/4"	184.2	595.7	1.31
49-7/8	7/8"	22.4	2.38"	60.5	8 1/4"	209.6	918.3	2.02
49-1	1"	25.6	2.63"	66.8	9 1/4"	235.0	1341.0	2.96



STANDARDS: FEDERAL
GGG-K-275



LONG METRIC L-TYPE HEX KEYS

49-XL

CODE	RATED SIZE	ARM LENGTH		TOTAL LENGTH		TOLERANCE		TORQUE STRENGTH
		in	mm	in	mm	grs	lbs	
49-1.5L	1.5	0.53	13.5	3"	77.0	1.3	0.00	8.90
49-2L	2.0	0.53	13.5	3 3/16"	81.0	2.5	0.01	18.60
49-2.5L	2.5	0.61	15.5	3 1/2"	88.4	4.5	0.01	42
49-3L	3.0	0.69	17.5	3 7/8"	98.6	7.0	0.02	68
49-4L	4.0	0.75	19.1	4"	103.9	13.7	0.03	158
49-5L	5.0	0.94	23.9	4 9/16"	116.1	24.2	0.05	310
49-6L	6.0	1.06	26.9	5 7/16"	137.9	41.0	0.09	505
49-7L	7.0	1.22	31.0	6 1/4"	157.5	60.3	0.13	810
49-8L	8.0	1.38	35.1	6 1/4"	157.5	83.0	0.18	1115
49-9L	9.0	1.38	35.1	6 9/19"	167.1	110.2	0.24	1673
49-10L	10.0	1.54	39.1	6 9/19"	167.1	139.7	0.31	2230



STANDARDS: NOM 087
ISO 2936



METRIC L-TYPE HEX KEYS

49-X

CODE	RATED SIZE	ARM LENGTH		TOTAL LENGTH		TOLERANCE		TORQUE STRENGTH
		in	mm	in	mm	grs	lbs	
49-1.27	1.3	0.53	13.5	1 5/8"	41.4	0.6	0.00	5.31
49-1.5	1.5	0.53	13.5	1 3/4"	43.9	0.8	0.00	8.90
49-2	2.0	0.61	15.5	1 15/16"	49.0	16.7	0.04	18.60
49-2.5	2.5	0.69	17.5	2 3/16"	54.6	2.9	0.01	42
49-3	3.0	0.75	19.1	2 7/16"	61.5	4.8	0.01	68
49-4	4.0	0.94	23.9	2 5/8"	68.1	9.9	0.02	158
49-5	5.0	1.06	26.9	3"	78.2	17.8	0.04	310
49-6	6.0	1.22	31.0	3 1/2"	87.9	29.0	0.06	505
49-7	7.0	1.38	35.1	3 5/8"	92.7	43.1	0.10	810
49-8	8.0	1.38	35.1	3 7/8"	97.5	57.0	0.13	1115
49-9	9.0	1.54	39.1	4"	103.4	76.0	0.17	1.673
49-10	10.0	1.54	39.1	4 1/4"	109.0	101.4	0.22	2.230
49-12	12.0	1.73	43.9	4 13/16"	121.9	164.4	0.36	3.717
49-14	14.0	2.15	54.6	5 3/8"	136.4	255.0	0.56	5.930
49-17	17.0	2.42	61.5	6 1/8"	156.0	429.7	0.95	10.443
49-19	19.0	2.70	68.6	6 15/16"	175.5	604.8	1.33	14.800



STANDARDS:
ASME/ANSI B18.3.2M
NOM-087 ISO 2936



L-TYPE TORX® KEYS

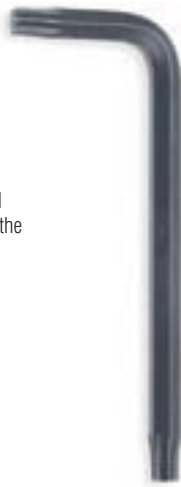
49TXX

CODE	RATED SIZE	ARM LENGTH		TOTAL LENGTH		TOLERANCE		TORQUE STRENGTH
		in	mm	in	mm	grs	lbs	
49T7	T7	0.51	13.0	1 5/8"	41.7	1.8	0.00	12
49T8	T8	0.56	14.2	1 3/4"	44.2	2.1	0.00	20
49T9	T9	0.61	15.5	1 7/8"	47.8	2.2	0.00	25
49T10	T10	0.66	16.8	2"	50.8	2.8	0.01	33
49T15	T15	0.71	18.0	2 1/8"	54.1	4.3	0.01	57
49T20	T20	0.75	19.1	2 1/4"	57.2	6.8	0.01	93
49T25	T25	0.80	20.3	2 3/8"	60.5	10.1	0.02	1.40
49T27	T27	0.85	21.6	2 1/2"	63.5	14.2	0.03	1.99
49T30	T30	0.94	23.9	2 3/4"	69.9	19.0	0.04	2.76
49T40	T40	1.03	26.2	3"	76.2	29.9	0.07	4.80
49T45	T45	1.13	28.7	3 1/4"	82.6	47.2	0.10	7.63
49T55	T55	1.38	35.1	4 1/4"	108.0	120.9	0.27	1.171



STANDARDS:
ASME/ANSI B18.3.2M

Precision-machined for a perfect fit with the nut or screw.





URREA



DRIVER SAFETY RECOMMENDATIONS



Never use screwdrivers with striking tools to perforate or remove trapped objects; they are not designed for that application.



Never use a screwdriver to check voltage or amperage in electrical circuits.



Remember that the handles of some tools do not protect against electrical discharges; only URREA dielectric screwdrivers do that.



Never use a screwdriver if the shank is bent or cracked.



Never use screwdrivers as chisels; they are not designed for that application.



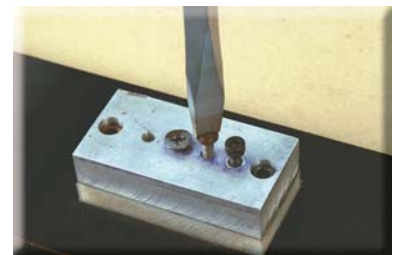
Never use pliers to apply torque to a square-shank screwdriver. In some cases, however, you can use a wrench.



Never grip round-shank screwdrivers with another tool, since they are not designed for that application.



Never use screwdrivers for anything other than their intended application.



Use the correct end of the wrench for the job you are doing.



Always use safety glasses when working with tools.

8