

SOCKET TYPES



IMPACT SOCKETS



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

FIXED MAGNETIC IMPACT SOCKETS



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

MAGNETIC BOLT CLEARANCE IMPACT SOCKETS



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

SURFACE DRIVE SOCKETS



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

FAST LEAD IMPACT SOCKETS



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

EXTENSIONS & ADAPTERS

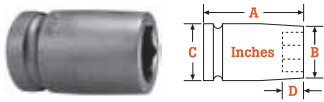
A wide range of accessories are available to adapt sockets to nearly every tool and application.

SQUARE DRIVE UNIVERSAL WRENCHES

Designed to provide access in hard-to-reach fastening applications.

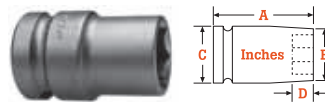
1/2" SQUARE DRIVE SOCKETS, SAE

6 POINT AND DOUBLE HEX, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5108	-	1/4	11/2	7/16	15/16	5/32
5110	5110-D	5/16	11/2	1/2	15/16	3/16
5112	5112-D	3/8	11/2	5/8	15/16	1/4
5114	5114-D	7/16	11/2	11/16	15/16	9/32
5116	5116-D	1/2	11/2	13/16	15/16	11/32
SH-335	-	1/2	11/2	45/64	15/16	11/32
5118	5118-D	9/16	11/2	7/8	15/16	7/16
SH-336	SH-336-D	9/16	11/2	27/32	15/16	7/16
5119	-	19/32	11/2	15/16	15/16	7/16
5120	5120-D	5/8	11/2	1	1	7/16
SH-338	SH-338-D	5/8	11/2	15/16	1	7/16
5122	5122-D	11/16	11/2	11/8	11/8	7/16
SH-339	-	11/16	11/2	11/64	11/16	7/16
SW-282	SW-282-D	3/4	11/2	11/4	11/4	15/32
5124	5124-D	3/4	11/2	11/8	11/8	15/32
5126	5126-D	13/16	11/2	11/4	11/4	17/32
5128	5128-D	7/8	11/2	15/16	15/16	9/16
5130	5130-D	15/16	11/2	13/8	13/8	5/8
5131	-	31/32	11/2	11/2	11/2	5/8
5132	5132-D	1	11/2	11/2	11/2	5/8
5134	5134-D	11/16	15/8	11/2	11/2	11/16
5136	5136-D	11/8	15/8	15/8	15/8	3/4
5138	5138-D	13/16	15/8	13/4	13/4	3/4
5140	5140-D	11/4	13/4	13/4	13/4	13/16
5142	-	15/16	13/4	17/8	17/8	13/16
5144	5144-D	13/8	17/8	2	2	13/16
5146	-	17/16	2	2	2	15/16
5148	5148-D	11/2	2	21/8	21/8	1
5152	5152-D	15/8	2	23/8	23/8	11/8
5154	-	111/16	2	23/8	23/8	11/8
5156	-	13/4	2	21/2	21/2	11/8

6 POINT AND DOUBLE HEX, THIN WALL, STANDARD LENGTH

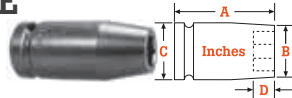


Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5412	5412-D	3/8	11/2	19/32	15/16	1/4
5414	5414-D	7/16	11/2	21/32	15/16	9/32
5416	5416-D	1/2	11/2	23/32	15/16	11/32
5418	5418-D	9/16	11/2	13/16	15/16	7/16
5420	5420-D	5/8	11/2	7/8	15/16	7/16
5421	5421-D	21/32	11/2	29/32	15/16	7/16
-	5422-D	11/16	11/2	15/16	15/16	7/16
OS-5424*	-	3/4	11/2	11/32	11/32	15/32
5424	5424-D	3/4	11/2	11/32	11/8	15/32
5426	5426-D	13/16	11/2	11/8	11/8	17/32
HE-1028	HE-1028-D	7/8	11/2	11/4	11/4	9/16
5428*	-	7/8	11/2	13/16	11/4	9/16
HE-530	-	15/16	11/2	15/16	15/16	5/8
5430*	5430-D	15/16	11/2	11/4	11/4	5/8
5432	5432-D	1	11/2	13/8	13/8	5/8
5434	5434-D	11/16	15/8	17/16	17/16	11/16
5436	5436-D	11/8	15/8	11/2	11/2	3/4
5438	-	13/16	15/8	15/8	15/8	3/4
5440	5440-D	11/4	13/4	111/16	13/4	13/16
5442	-	15/16	13/4	125/32	17/8	13/16

* No DIN groove

1/2" SQUARE DRIVE SOCKETS, SAE

6 POINT AND DOUBLE HEX, LONG & EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5210	-	5/16	2 1/4	1/2	15/16	3/16
5310	-	5/16	3 1/4	1/2	15/16	3/16
5212	-	3/8	2 1/4	5/8	15/16	1/4
5312	-	3/8	3 1/4	5/8	15/16	1/4
5214	-	7/16	2 1/4	11/16	15/16	9/32
5314	-	7/16	3 1/4	11/16	15/16	9/32
5216	5216-D	1/2	2 1/4	13/16	15/16	11/32
5316	5316-D	1/2	3 1/4	13/16	15/16	11/32
5218	5218-D	9/16	2 1/4	7/8	15/16	7/16
5318	5318-D	9/16	3 1/4	7/8	15/16	7/16
5220	-	5/8	2 1/4	1	1	7/16
5320	-	5/8	3 1/4	1	1	7/16
5222	-	11/16	2 1/4	11/8	11/8	7/16
5322	5322-D	11/16	3 1/4	11/8	11/8	7/16
5224	5224-D	3/4	2 1/4	11/8	11/8	15/32
5324	5324-D	3/4	3 1/4	11/8	11/8	15/32
5226	5226-D	13/16	2 1/4	11/4	11/4	17/32
5228	5228-D	7/8	2 1/4	15/16	15/16	9/16
5328	-	7/8	3 1/2	15/16	15/16	9/16
5326	-	13/16	3 1/2	11/4	11/4	17/32
5230	5230-D	15/16	2 1/4	13/8	13/8	5/8
5330	5330-D	15/16	3 1/2	13/8	13/8	5/8
5232	-	1	2 1/4	11/2	11/2	5/8
5332	-	1	3 1/2	11/2	11/2	5/8
5234	-	11/16	2 3/8	11/2	11/2	11/16
5334	-	11/16	3 1/2	11/2	11/2	11/16
5236	5236-D	11/8	2 3/8	15/8	15/8	3/4
5336	5336-D	11/8	3 1/2	15/8	15/8	3/4
5238	-	13/16	2 3/8	13/4	13/4	3/4
5338	-	13/16	3 1/2	13/4	13/4	3/4
5240	5240-D	1 1/4	2 1/2	13/4	13/4	13/16
5340	5340-D	1 1/4	3 1/2	13/4	13/4	13/16
5242	-	15/16	2 1/2	17/8	17/8	13/16
5342	-	15/16	3 1/2	17/8	17/8	13/16
5244	-	13/8	2 1/2	2	2	13/16
5344	-	13/8	3 5/8	2	2	13/16
5248	-	1 1/2	2 1/2	2 1/8	2 1/8	1
5348	-	1 1/2	3 3/4	2 1/8	2 1/8	1

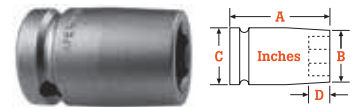
6 POINT AND DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5510	-	5/16	3 1/4	1/2	15/16	3/16
5512	5512-D	3/8	3 1/4	19/32	15/16	1/4
5514	5514-D	7/16	3 1/4	21/32	15/16	9/32
5516	5516-D	1/2	3 1/4	23/32	15/16	11/32
0S-5516*	-	1/2	3 1/4	47/64	7/8	11/32
5518	5518-D	9/16	3 1/4	13/16	15/16	7/16
0S-5518*	-	9/16	3 1/4	13/16	27/32	7/16
5520	5520-D	5/8	3 1/4	7/8	15/16	7/16
5522	5522-D	11/16	3 1/4	15/16	15/16	7/16
SW-493	-	3/4	2 1/4	1 1/4	1 1/4	15/32
5524	5524-D	3/4	3 1/4	11/32	11/8	15/32
5526	5526-D	13/16	3 1/2	1 1/8	1 1/8	17/32
5528	5528-D	7/8	3 1/2	1 3/16	1 1/4	9/16
5530	5530-D	15/16	3 1/2	1 1/4	1 1/4	5/8
5532	5532-D	1	3 1/2	1 3/8	1 3/8	5/8
5534	5534-D	1 1/16	3 1/2	1 7/16	1 7/16	11/16

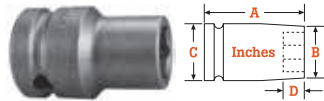
* No DIN groove

MAGNETIC, STANDARD LENGTH



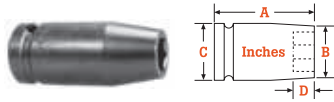
Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-5110	5/16	1 1/2	1/2	15/16	3/16
M-5112	3/8	1 1/2	5/8	15/16	1/4
M-5114	7/16	1 1/2	11/16	15/16	9/32
M-5116	1/2	1 1/2	13/16	15/16	11/32
MSH-335	1/2	1 1/2	45/64	15/16	11/32
M-5118	9/16	1 1/2	7/8	15/16	7/16
MSH-336	9/16	1 1/2	27/32	15/16	7/16
M-5120	5/8	1 1/2	1	1	7/16
M-5122	11/16	1 1/2	1 1/8	1 1/8	7/16
M-5124	3/4	1 1/2	1 1/8	1 1/8	15/32

MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-5416	1/2	11/2	23/32	15/16	11/32
M-5418	9/16	11/2	13/16	15/16	7/16
M-5420	5/8	11/2	7/8	15/16	7/16

MAGNETIC, LONG LENGTH & EXTRA LONG LENGTH



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

* Thin wall

SURFACE DRIVE & FAST LEAD, STANDARD LENGTH



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

SURFACE DRIVE & FAST LEAD, THIN WALL, STANDARD LENGTH



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

SURFACE DRIVE & FAST LEAD, LONG AND EXTRA LONG LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-5212	-	3/8	21/4	9/16	15/16	9/32
SF-5216	FL-5216	1/2	21/4	13/16	15/16	11/32
-	FL-5316	1/2	31/4	13/16	15/16	11/32
SF-HE-9518	FL-HE-9518	9/16	21/4	7/8	7/8	7/16
SF-5218	FL-5218	9/16	21/4	7/8	15/16	7/16
SF-5318	FL-5318	9/16	31/4	7/8	15/16	7/16
SF-5320	FL-5320	5/8	31/4	1	1	7/16
SF-5222	FL-5222	11/16	21/4	11/8	11/8	7/16
SF-5224	FL-5224	3/4	21/4	11/8	11/8	15/32
-	FL-SW-493	3/4	21/4	11/4	11/4	15/32
SF-5324	FL-5324	3/4	31/4	11/8	11/8	15/32
SF-5226	FL-5226	13/16	21/4	11/4	11/4	17/32
-	FL-5326	13/16	31/2	11/4	11/4	17/32
SF-5228	FL-5228	7/8	21/4	15/16	15/16	9/16
SF-5328	-	7/8	31/2	15/16	15/16	9/16
SF-5230	-	15/16	21/4	13/8	13/8	5/8
SF-5330	-	15/16	31/2	13/8	13/8	5/8
SF-5232	-	1	21/4	11/2	11/2	5/8

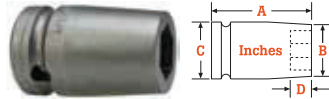
SURFACE DRIVE, THIN WALL, EXTRA LONG LENGTH



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

1/2" SQ. DR. SOCKETS FOR SAE SHEET METAL SCREWS

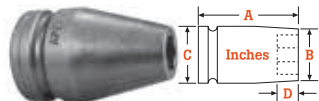
6 POINT & 6 POINT MAGNETIC, FOR PREDRILLED HOLES*



Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5E10	M5E10	5/16	1 1/2	1/2	15/16	3/16
5E12	M5E12	3/8	1 1/2	5/8	15/16	1/4
-	M5E14	7/16	1 1/2	11/16	15/16	9/32
5E16	M5E16	1/2	1 1/2	13/16	15/16	11/32
-	M5E18	9/16	1 1/2	15/16	15/16	7/16

*Sockets for predrilled holes are intermediate hardness.

6 POINT & 6 POINT MAGNETIC, FOR SELF-TAPPING SCREWS*

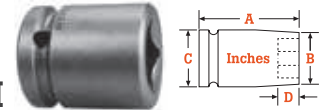


Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	M5P10	5/16	1 1/2	1/2	15/16	3/16
5P12	M5P12	3/8	1 1/2	5/8	15/16	1/4
5P14	M5P14	7/16	1 1/2	11/16	15/16	9/32
-	M5P16	1/2	1 1/2	13/16	15/16	11/32
-	M5P18	9/16	1 1/2	15/16	15/16	7/16

*Sockets for self-tapping screws are maximum hardness.

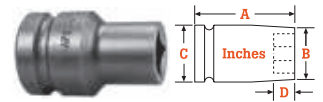
1/2" SQ. DR. SOCKETS FOR SAE SQUARE NUTS

SINGLE SQUARE & DOUBLE SQUARE, STANDARD LENGTH



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

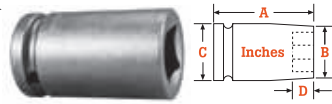
SINGLE SQUARE & DOUBLE SQUARE, THIN WALL, STANDARD LENGTH



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5912	5912-D	3/8	1 1/2	11/16	15/16	1/4
5914	5914-D	7/16	1 1/2	25/32	15/16	9/32
5918	5918-D	9/16	1 1/2	1	1	7/16
5920	-	5/8	1 1/2		1 1/8	7/16

1/2" SQ. DR. SOCKETS FOR SAE SQUARE NUTS

**SINGLE SQUARE &
DOUBLE SQUARE,
LONG & EXTRA
LONG LENGTH**



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5812	-	3/8	3 1/4	3/4	15/16	1/4
5716	-	1/2	2 1/4	1	1	11/32
-	5816-D	1/2	3 1/4	1	1	7/16
5720	-	5/8	2 1/4	1 1/4	1 1/4	7/16
5820	5820-D	5/8	3 1/2	1 1/4	1 1/4	7/16
5822	5822-D	11/16	3 1/2	1 1/4	1 1/4	7/16
5724	5724-D	3/4	2 1/4	1 3/8	1 3/8	15/32
-	5826-D	13/16	3 1/2	1 1/2	1 1/2	17/32
5728	-	7/8	2 1/4	1 5/8	1 5/8	5/8
-	5832-D	1	3 1/2	1 3/4	1 3/4	5/8
-	5834-D	1 1/16	3 1/2	1 7/8	1 7/8	11/16
-	5836-D	1 1/8	3 1/2	2	2	3/4

1/2" SQ. DR. SOCKET SET, SAE

6 POINT

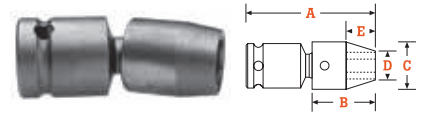


APS58XL

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

1/2" SQ. DR. UNIV. WRENCHES, SAE

**6 POINT &
DOUBLE HEX**



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-120	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-216	SA-216-D	3/8	2 11/64	7/8	7/8	9/16	11/32
SA-217	SA-217-D	7/16	2 15/64	15/16	7/8	5/8	13/32
SA-316	-	7/16	2 17/64	15/16	1	5/8	3/8
SA-218	SA-218-D	1/2	2 19/64	1	7/8	11/16	15/32
SA-317	-	1/2	2 31/64	1	1	11/16	7/16
SA-219	SA-219-D	9/16	2 23/64	1 1/16	7/8	3/4	17/32
SA-318	SA-318-D	9/16	2 29/64	1 1/8	1	3/4	9/16
SA-221	SA-221-D	5/8	2 27/64	1 1/8	7/8	7/8	19/32
SA-320	-	5/8	2 33/64	1 3/16	1	27/32	5/8
SA-402	SA-402-D	5/8	2 49/64	1 1/4	1 1/4	7/8	33/64
SA-321	SA-321-D	11/16	2 37/64	1 1/4	1	1	11/16
SA-322	SA-322-D	3/4	2 37/64	1 1/4	1 1/8	1 1/8	11/16
SA-404	SA-404-D	3/4	2 57/64	1 3/8	1 1/4	1 1/32	5/8
SA-501	-	3/4	3-1/32	1 5/8	1 1/2	1 1/8	25/32
SA-406	-	13/16	2 57/64	1 3/8	1 1/4	1 1/8	41/64
SA-407	-	7/8	2 57/64	1 3/8	1 3/16	1 5/16	41/64
SA-409	SA-409-D	15/16	2 57/64	1 3/8	1 5/16	1 5/16	41/64
SA-505	-	15/16	3 5/32	1 3/4	1 1/2	1 3/8	29/32
SA-410	-	1	2 61/64	1 7/16	1 1/2	1 1/2	45/64
SA-411	-	1-1/16	3 1/64	1 1/2	1 1/2	1 1/2	49/64
SA-508	-	1-1/8	3 9/32	1 7/8	1 5/8	1 5/8	1 1/32
SA-510	-	1-1/4	3 13/32	2	1 3/4	1 3/4	1 5/32

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE

6 POINT



Part No.	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Opening Depth (E) IN.
SA-C-216	3/8	2.17	.88	.88	.56	.34
SA-C-217	7/16	2.23	.94	.88	.63	.41
SA-C-218	1/2	2.30	1.00	.88	.69	.47
SA-C-219	9/16	2.36	1.06	.88	.75	.53
SA-C-221	5/8	2.42	1.13	.88	.88	.59
SA-C-321	11/16	2.58	1.25	1.00	1.00	.69
SA-C-322	3/4	2.58	1.25	1.00	1.13	.69
SA-C-407	7/8	2.89	1.38	1.25	1.31	.64
SA-C-409	15/16	2.89	1.38	1.25	1.31	.64
SA-C-410	1	2.95	1.44	1.25	1.50	.70
SA-C-411	11/16	3.02	1.50	1.25	1.50	.77
SA-C-508	11/8	3.28	1.88	1.50	1.63	1.03
SA-C-510	11/4	3.41	2.00	1.50	1.75	1.16

1/2" SQ. DR. UNIV. WRENCH SET, SAE

6 POINT



APU56

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



APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

UNIVERSAL WRENCHES 1/2" SQ. DR., SAE – EXT.

6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
-	KN-41-3	5/16	3	3/4	5/8	7/16	3/8
-	KN-41-6	5/16	6	3/4	5/8	7/16	3/8
KH-43-6	KN-43-6	3/8	6	13/16	5/8	17/32	7/16
-	KN-43-9	3/8	9	13/16	5/8	17/32	7/16
KH-44-6	KN-44-6	7/16	6	7/8	5/8	5/8	1/2
KH-45-3	-	1/2	3	7/8	5/8	11/16	1/2
KH-45-4	-	1/2	4	7/8	5/8	11/16	1/2
KH-45-6	KN-45-6	1/2	6	7/8	5/8	11/16	1/2
-	KN-45-9	1/2	9	7/8	5/8	11/16	1/2
KH-104-6	KN-104-6	1/2	6	1	3/4	3/4	9/16
-	KN-104-9	1/2	9	1	3/4	3/4	9/16
KH-202-6	KN-202-6	1/2	6	1	7/8	11/16	15/32
-	KN-202-8	1/2	8	1	7/8	11/16	15/32
KH-105-3	-	9/16	3	1	3/4	13/16	9/16
KH-105-6	KN-105-6	9/16	6	1	3/4	13/16	9/16
-	KN-105-9	9/16	9	1	3/4	13/16	9/16
KH-105-12	KN-105-12	9/16	12	1	3/4	13/16	9/16
KH-203-4	-	9/16	4	11/16	7/8	3/4	17/32
KH-203-6	KN-203-6	9/16	6	11/16	7/8	3/4	17/32
KH-203-9	KN-203-9	9/16	9	11/16	7/8	3/4	17/32
-	KN-203-12	9/16	12	11/16	7/8	3/4	17/32
-	KN-318-3	9/16	3	11/8	1	3/4	9/16
KH-318-4	KN-318-4	9/16	4	11/8	1	3/4	9/16
KH-205-12	-	5/8	12	11/8	7/8	7/8	19/32
KH-205-3	-	5/8	3	11/8	7/8	7/8	19/32
KH-205-4	-	5/8	4	11/8	7/8	7/8	19/32
KH-205-6	KN-205-6	5/8	6	11/8	7/8	7/8	19/32
KH-205-D-6	-	5/8	6	11/8	7/8	7/8	19/32
-	KN-205-9	5/8	9	11/8	7/8	7/8	19/32
KH-205-12	KN-205-12	5/8	12	11/8	7/8	7/8	19/32
KH-320-6	KNS-320-D-6	5/8	6	13/16	1	27/32	5/8
-	KN-320-12	5/8	12	13/16	1	27/32	5/8
KH-321-6	-	11/16	6	11/4	1	1	11/16
KH-322-6	KN-322-6	3/4	6	11/4	1	11/8	11/16
-	KN-322-9	3/4	9	11/4	1	11/8	11/16
-	KN-322-12	3/4	12	11/4	1	11/8	11/16
-	KN-404-6	3/4	6	13/8	11/4	11/32	41/64
KH-409-3	-	15/16	3	13/8	11/4	15/16	41/64
KH-409-4	-	15/16	4	13/8	11/4	15/16	41/64
KH-409-6	-	15/16	6	13/8	11/4	15/16	41/64
KH-409-12	-	15/16	12	13/8	11/4	15/16	41/64
KH-540-6-B-2.75	-	11/4	6	23/4	11/2	13/4	129/32

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE – EXT.

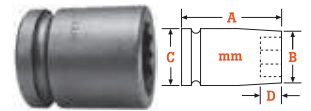
6 POINT



Part No. Standard	Part No. Tension	Hex Open IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Opening Depth (E) IN.
KHW-C-43-6	KNW-C-43-6	3/8	6	13/16	5/8	17/32	7/16
KHW-C-44-6	KNW-C-44-6	7/16	6	7/8	5/8	5/8	1/2
KHW-C-45-6	KNW-C-45-6	1/2	6	7/8	5/8	11/16	1/2
-	KNW-C-104-9	1/2	9	1	3/4	3/4	9/16
KHW-C-105-6	KNW-C-105-6	9/16	6	1	3/4	13/16	9/16
KHW-C-105-12	KNW-C-105-12	9/16	12	1	3/4	13/16	9/16
-	KNW-C-203-6	9/16	6	11/16	7/8	3/4	17/32
-	KNW-C-318-6	9/16	6	11/8	1	3/4	9/16
KHW-C-205-6	KNW-C-203-9	9/16	9	11/16	7/8	3/4	17/32
KHW-C-205-12	KNW-C-205-6	5/8	6	11/8	7/8	7/8	19/32
-	KNW-C-205-12	5/8	12	11/8	7/8	7/8	19/32
KHW-C-322-6	KNW-C-322-6	3/4	6	11/4	1	11/8	11/16
-	KNCW-322-9	3/4	9	11/4	1	11/8	11/16
-	KNW-C-322-12	3/4	12	11/4	1	11/8	11/16
-	KNCBUW-C-404-6	3/4	6	13/8	11/4	11/32	41/64
KHW-C-409-6	-	15/16	6	13/8	11/4	15/16	41/64

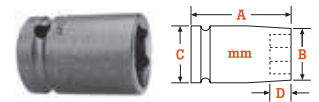
1/2" SQUARE DRIVE SOCKETS, METRIC

6 POINT & DOUBLE HEX, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM15	10MM15-D	10	38.1	16.7	23.8	6.4
11MM15	11MM15-D	11	38.1	17.5	23.8	7.2
12MM15	12MM15-D	12	38.1	19.1	23.8	7.2
13MM15	13MM15-D	13	38.1	22.2	23.8	8.7
14MM15	14MM15-D	14	38.1	22.2	23.8	11.1
15MM15	15MM15-D	15	38.1	23.8	23.8	11.1
16MM15	16MM15-D	16	38.1	25.4	25.4	11.1
17MM15	17MM15-D	17	38.1	28.6	28.6	11.1
18MM15	18MM15-D	18	38.1	28.6	28.6	11.1
19MM15	19MM15-D	19	38.1	28.6	28.6	11.9
20MM15	-	20	38.1	31.7	31.7	11.9
21MM15	21MM15-D	21	38.1	31.7	31.7	13.5
22MM15	22MM15-D	22	38.1	33.3	33.3	14.3
23MM15	23MM15-D	23	38.1	34.9	34.9	15.9
24MM15	24MM15-D	24	38.1	34.9	34.9	15.9
25MM15	-	25	38.1	38.1	38.1	15.9
26MM15	26MM15-D	26	38.1	38.1	38.1	15.9
27MM15	27MM15-D	27	41.3	41.3	41.3	17.5
28MM15	-	28	41.3	41.3	41.3	19.1
29MM15	29MM15-D	29	41.3	44.4	44.4	19.1
30MM15	30MM15-D	30	41.3	44.4	44.4	19.1
32MM15	32MM15-D	32	44.4	44.4	44.4	20.6
33MM15	-	33	44.4	47.6	47.6	20.6
34MM15	-	34	47.6	47.5	47.5	20.5
35MM15	-	35	47.6	50.8	50.8	20.6
36MM15	-	36	47.6	50.8	50.8	23.8

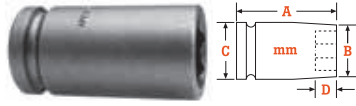
6 POINT & DOUBLE HEX, THIN WALL, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM45	10MM45-D	10	38.1	15.9	23.8	6.4
12MM45	12MM45-D	12	38.1	17.5	23.8	7.2
13MM45	13MM45-D	13	38.1	18.7	23.8	8.7
14MM45	14MM45-D	14	38.1	20.6	23.8	11.1
15MM45	15MM45-D	15	38.1	22.2	23.8	11.1
16MM45	16MM45-D	16	38.1	22.2	23.8	11.1
17MM45	17MM45-D	17	38.1	23.8	23.8	11.1
18MM45	18MM45-D	18	38.1	25.4	25.4	11.1
19MM45	-	19	38.1	26.3	26.3	11.9
21MM45	21MM45-D	21	38.1	28.6	28.6	13.5
22MM45	22MM45-D	22	38.1	30.2	31.7	14.3

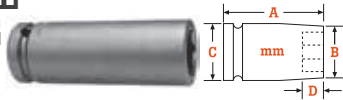
1/2" SQUARE DRIVE SOCKETS, METRIC

6 POINT & DOUBLE HEX, LONG LENGTH



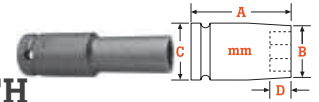
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM25	10MM25-D	10	57.1	16.7	23.8	6.4
11MM25	-	11	57.1	17.5	23.8	7.2
12MM25	12MM25-D	12	57.1	19.1	23.8	7.2
13MM25	13MM25-D	13	57.1	22.2	23.8	8.7
14MM25	-	14	57.1	22.2	23.8	11.1
15MM25	15MM25-D	15	57.1	23.8	23.8	11.1
16MM25	16MM25-D	16	57.1	25.4	25.4	11.1
17MM25	17MM25-D	17	57.1	28.6	28.6	11.1
18MM25	18MM25-D	18	57.1	28.6	28.6	11.1
19MM25	-	19	57.1	28.6	28.6	11.9
20MM25	20MM25-D	20	57.1	31.7	31.7	11.9
21MM25	21MM25-D	21	57.1	31.7	31.7	13.5
22MM25	22MM25-D	22	57.1	33.3	33.3	14.3
23MM25	23MM25-D	23	57.1	34.9	34.9	15.9
24MM25	24MM25-D	24	57.1	34.9	34.9	15.9
25MM25	-	25	57.1	38.1	38.1	15.9
26MM25	-	26	57.1	38.1	38.1	15.9
27MM25	-	27	60.3	41.3	41.3	17.5
28MM25	-	28	60.3	41.3	41.3	19.1
30MM25	30MM25-D	30	60.3	44.4	44.4	19.1
32MM25	-	32	63.5	44.4	44.4	20.6

6 POINT & DOUBLE HEX, EXTRA LONG LENGTH



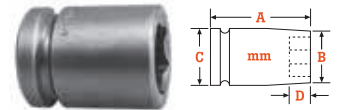
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM35	10MM35-D	10	82.5	16.7	23.8	6.4
11MM35	-	11	82.5	17.5	23.8	7.2
12MM35	12MM35-D	12	82.5	19.1	23.8	7.2
13MM35	13MM35-D	13	82.5	22.2	23.8	8.7
14MM35	14MM35-D	14	82.5	22.2	23.8	11.1
15MM35	-	15	82.5	23.8	23.8	11.1
16MM35	16MM35-D	16	82.5	25.4	25.4	11.1
17MM35	17MM35-D	17	82.5	28.6	28.6	11.1
18MM35	18MM35-D	18	82.5	28.6	28.6	11.1
19MM35	19MM35-D	19	82.5	28.6	28.6	11.9
20MM35	20MM35-D	20	88.9	31.7	31.7	11.9
21MM35	21MM35-D	21	88.9	31.7	31.7	13.5
22MM35	22MM35-D	22	88.9	33.3	33.3	14.3
24MM35	24MM35-D	24	88.9	34.9	34.9	15.9
25MM35	-	25	88.9	38.1	38.1	15.9

6 POINT & DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



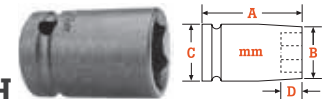
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM55	10MM55-D	10	82.5	15.9	23.8	6.4
11MM55	-	11	82.5	16.7	23.8	7.2
12MM55	12MM55-D	12	82.5	17.5	23.8	7.2
13MM55	13MM55-D	13	82.5	18.7	23.8	8.7
14MM55	14MM55-D	14	82.5	20.6	23.8	11.1
15MM55	15MM55-D	15	82.5	22.2	23.8	11.1
16MM55	16MM55-D	16	82.5	22.2	23.8	11.1
17MM55	17MM55-D	17	82.5	23.8	23.8	11.1
18MM55	18MM55-D	18	82.5	25.4	25.4	11.1
19MM55	-	19	82.5	26.3	26.3	11.9
21MM55	21MM55-D	21	88.9	28.6	28.6	13.5
22MM55	22MM55-D	22	88.9	30.2	31.7	14.3
24MM55	24MM55-D	24	88.9	33.3	33.3	15.9
26MM55	-	26	88.9	34.9	34.9	15.9
27MM55	27MM55-D	27	88.9	36.5	38.1	17.5
29MM55	-	29	88.9	38.1	38.1	19.1
30MM55	-	30	88.9	39.7	41.1	19.1
32MM55	-	32	88.9	42.9	42.9	20.6

MAGNETIC, STANDARD LENGTH



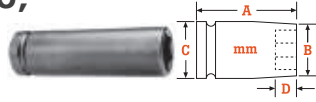
Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-10MM15	10	38.1	16.7	23.8	6.4
M-11MM15	11	38.1	17.5	23.8	7.2
M-12MM15	12	38.1	19.1	23.8	7.2
M-13MM15	13	38.1	22.2	23.8	8.7
M-14MM15	14	38.1	22.2	23.8	11.1
M-15MM15	15	38.1	23.8	23.8	11.1
M-16MM15	16	38.1	25.4	25.4	11.1
M-17MM15	17	38.1	28.6	28.6	11.1
M-18MM15	18	38.1	28.5	28.5	11.1
M-19MM15	19	38.1	28.6	28.6	11.9
M-21MM15	21	38.1	31.7	31.7	13.5

MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-13MM45	13	38.1	18.7	23.8	8.7
M-14MM45	14	38.1	20.6	23.8	11.1
M-15MM45	15	38.1	22.2	23.8	11.1
M-18MM45	18	38.1	25.4	25.4	8.0

6 POINT, MAGNETIC, THIN WALL, EXTRA LONG LENGTH



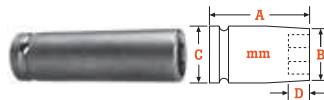
Part Number	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-12MM55	12	82.5	17.4	23.8	5.2
M-14MM55	14	82.5	20.6	23.6	6.4
M-15MM55	15	82.5	22.2	23.8	7.1

MAGNETIC, LONG LENGTH



Part No. Fixed Magnetic	Part No. Mag. Bolt Clearance	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
	MB-10MM25	10	57.1	16.7	23.8	6.4
	MB-12MM25	12	57.1	19.1	23.8	7.2
M-13MM25	MB-13MM25	13	57.1	22.2	23.8	8.7
	MB-14MM25	14	57.1	22.2	23.8	11.1
M-15MM25	MB-15MM25	15	57.1	23.8	23.8	11.1
	MB-16MM25	16	57.1	25.4	25.4	11.1
	MB-17MM25	17	57.1	28.4	28.4	11.1
M-18MM25	MB-18MM25	18	57.1	28.6	28.5	11.1

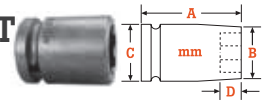
MAGNETIC, EXTRA LONG LENGTH



Part No. Fixed Magnetic	Part No. Mag. Bolt Clearance	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-13MM35	MB-13MM35	13	82.5	22.2	23.8	8.7
M-13MM55		13	82.5	18.7	23.8	8.7
M-15MM35	MB-15MM35	15	82.5	23.8	23.8	11.1
M-18MM35	MB-18MM35	18	82.5	28.6	28.6	11.1
M-18MM55*		18	82.5	25.4	25.4	11.1

* Thin wall

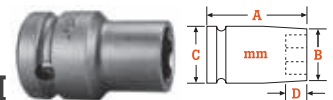
SURFACE DRIVE SHORT & STANDARD LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.	Mag. / Non-Mag.
SF-10MM15	10	38.1	16.7	23.8	6.4	Non-Mag.
SF-11MM15	11	38.1	17.5	23.8	7.2	Non-Mag.
SF-12MM15	12	38.1	19.1	23.8	7.2	Non-Mag.
SF-13MM15	13	38.1	22.2	23.8	8.7	Non-Mag.
MSF-13MM15*	13	38.1	22.2	23.8	8.7	Magnetic
SF-14MM15	14	38.1	22.2	23.8	11.1	Non-Mag.
SF-15MM15	15	38.1	23.8	23.8	11.1	Non-Mag.
MVESF-126-16MM*	16	33	25.4	25.4	7.9	Non-Mag.
SF-16MM15	16	38.1	25.4	25.4	11.1	Magnetic
MSF-16MM15*	16	38.1	25.4	25.4	11.1	Magnetic
MSF-18MM15*	18	38.1	28.5	28.6	11.1	Magnetic
SF-17MM15	17	38.1	28.6	26.6	11.1	Non-Mag.
SF-18MM15	18	38.1	28.6	28.6	11.1	Non-Mag.
SF-19MM15	19	38.1	28.6	28.6	11.9	Non-Mag.
SF-20MM15	20	38.1	31.7	31.7	11.9	Non-Mag.
SF-21MM15	21	38.1	31.7	31.7	13.5	Non-Mag.
SF-22MM15	22	38.1	33.3	33.3	14.3	Non-Mag.
SF-23MM15	23	38.1	34.9	34.9	15.9	Non-Mag.
SF-24MM15	24	38.1	34.9	34.9	15.9	Non-Mag.

* Magnetic surface drive

SURFACE DRIVE, THIN WALL, STANDARD LENGTH

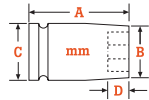


Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM45	10	38.1	15.9	23.8	6.4
SF-11MM45	11	38.1	16.7	23.8	7.2
SF-12MM45	12	38.1	17.5	23.8	7.2
SF-13MM45	13	38.1	18.7	23.8	8.7
SF-14MM45	14	38.1	20.6	23.8	11.1
SF-15MM45	15	38.1	22.2	23.8	11.1
SF-16MM45	16	38.1	22.2	23.8	11.1
SF-17MM45	17	38.1	23.8	23.8	11.1
MSF-17MM45*	17	38.1	23.8	23.8	7.9
SF-18MM45	18	38.1	25.4	25.4	11.1
SF-19MM45	19	38.1	26.3	26.3	11.9
SF-21MM45	21	38.1	28.6	28.6	11.9

* Magnetic surface drive

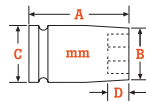
1/2" SQUARE DRIVE SOCKETS, METRIC

SURFACE DRIVE, LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-8MM25	8	57.1	12.7	23.6	4.7
SF-10MM25	10	57.1	16.7	23.6	4.7
SF-11MM25	11	57.1	17.5	23.8	7.2
SF-12MM25	12	57.1	19.1	23.8	7.2
SF-13MM25	13	57.1	22.2	23.8	7.2
SF-14MM25	14	57.1	22.2	23.8	11.1
SF-15MM25	15	57.1	23.8	23.8	11.1
SF-16MM25	16	57.1	25.4	25.4	11.1
SF-17MM25	17	57.1	28.6	28.6	11.1
SF-18MM25	18	57.1	28.6	28.6	11.1
SF-19MM25	19	57.1	28.6	28.6	11.9
SF-21MM25	21	57.1	31.7	31.7	13.5
SF-22MM25	22	57.1	33.3	33.3	14.3
SF-24MM25	24	57.1	34.9	34.9	15.9

SURFACE DRIVE, EXTRA LONG LENGTH



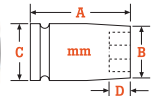
Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM35	10	82.5	16.7	23.8	6.4
SF-12MM35	12	82.5	17.5	23.8	7.2
SF-13MM35	13	82.5	19.1	23.8	7.2
SF-14MM35	14	82.5	22.2	23.8	11.1
SF-15MM35	15	82.5	23.8	23.8	11.1
SF-16MM35	16	82.5	25.4	25.4	11.1
SF-17MM35	17	82.5	28.6	28.6	11.1
SF-18MM35	18	82.5	28.6	28.6	11.1
SF-19MM35	19	82.5	28.6	28.6	11.9
SF-21MM35	21	88.9	31.7	31.7	13.5
SF-22MM35	22	88.9	33.3	33.3	14.3
SF-24MM35	24	88.9	34.9	34.9	15.9

SURFACE DRIVE, THIN WALL, EXTRA LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM55	10	82.5	15.9	23.8	6.4
SF-11MM55	11	82.5	16.7	23.8	7.2
SF-13MM55	13	82.5	18.7	23.8	8.7
SF-14MM55	14	82.5	20.6	23.8	11.1
SF-15MM55	15	82.5	22.2	23.8	11.1
SF-16MM55	16	82.5	22.2	23.8	11.1
SF-17MM55	17	82.5	23.8	23.8	11.1
SF-18MM55	18	82.5	25.4	25.4	11.1
SF-19MM55	19	82.5	26.3	26.3	11.9
SF-21MM55	21	88.9	28.6	28.6	13.5
SF-22MM55	22	88.9	30.2	31.7	15.9

1/2" SQUARE DRIVE SOCKETS FOR METRIC SHEET METAL SCREWS



Part No. 6 Point	Part No. Magentic	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
	M-13MME5	13	38.1	22.2	23.8	8.7
15MME5	M-15MME5	15	38.1	23.8	23.8	11.1

1/2" SQ. DR. SOCKET SET, METRIC

6 POINT

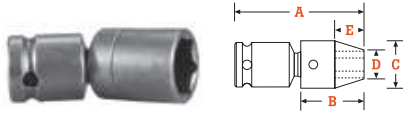


APS511M

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

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC

6 POINT



Part No. 6 Pt.	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-C-57-13M	13	58	25.4	22.2	17.5	11.9
SA-C-57-14M	14	60	27.0	22.2	19.1	13.5
SA-C-58-15M	15	62	28.6	25.4	19.8	14.3
SA-C-58-16M	16	64	30.2	25.4	21.4	15.9
SA-C-58-17M	17	66	31.8	25.4	25.4	17.5
SA-C-58-18M	18	66	31.8	25.4	25.4	17.5
SA-C-510-21M	21	73	34.9	31.8	28.6	16.3
SA-C-510-22M	22	73	34.9	31.8	31.8	16.3

1/2" SQUARE DRIVE UNIV. WRENCH SET, METRIC

6 POINT

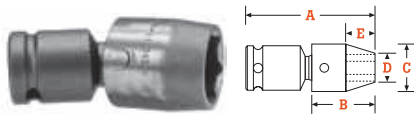


APU56M

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

1/2" SQUARE DRIVE UNIV. WRENCHES, METRIC

6 POINT



Part No. 6 Pt.	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-57-13M	13	58	25.4	22.2	17.5	11.9
SA-57-14M	14	60	27.0	22.2	19.1	13.5
SA-58-15M	15	62	28.6	25.4	19.8	14.3
SA-58-16M	16	64	30.2	25.4	21.4	15.9
SA-58-17M	17	66	31.8	25.4	25.4	17.5
SA-58-18M	18	66	31.8	25.4	25.4	17.5
SA-58-19M	19	66	31.8	25.4	28.6	17.5
SA-510-19M	19	73	34.9	31.8	26.2	16.3
SA-510-20M	20	73	34.9	31.8	27.0	16.3
SA-510-21M	21	73	34.9	31.8	28.6	16.3
SA-510-22M	22	73	34.9	31.8	31.8	16.3
SA-510-24M	24	73	34.9	31.8	34.9	16.3

1/2" SQ. DR. UNIVERSAL WRENCHES, METRIC – EXTENSION

6 POINT, STANDARD AND TENSION TYPE



Part No. Standard	Part No. Tension	Hex Opening MM.	Shank Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
-	KN-7-12M-6	12	152	23.8	22.2	17.5	10.3
-	KN-7-12M-9	12	229	23.8	22.2	17.5	10.3
KH-7-13M-3	-	13	76	25.4	22.2	17.5	11.9
KH-7-13M-4	-	13	102	25.4	22.2	17.5	11.9
KH-7-13M-6	KN-7-13M-6	13	152	25.4	22.2	17.5	11.9
KH-7-13M-9	KN-7-13M-9	13	229	25.4	22.2	17.5	11.9
-	KN-7-13M-12	13	305	25.4	22.2	17.5	11.9
KH-7-14M-6	KN-7-14M-6	14	152	27.0	22.2	19.1	13.5
-	KN-7-14M-9	14	229	27.0	22.2	19.1	13.5
KH-8-14M-6	-	14	152	28.6	25.4	19.1	14.3
KH-8-15M-3	KN-8-15M-3	15	76	28.6	25.4	19.8	14.3
KH-8-15M-6	KN-8-15M-6	15	152	28.6	25.4	19.8	14.3
KH-8-15M-9	KN-8-15M-9	15	229	28.6	25.4	19.8	14.3
-	KN-8-15M-12	15	305	28.6	25.4	19.8	14.3
KH-8-16M-3	-	16	76	30.2	25.4	21.4	15.9
KH-8-16M-4	-	16	102	30.2	25.4	21.4	15.9
KH-8-16M-6	KN-8-16M-6	16	152	30.2	25.4	21.4	15.9
KH-8-16M-9	KN-8-16M-9	16	229	30.2	25.4	21.4	15.9
KH-8-16M-12	KN-8-16M-12	16	305	30.2	25.4	21.4	15.9
KH-8-17M-3	-	17	76	31.8	25.4	25.4	17.5
KH-8-17M-4	-	17	102	31.8	25.4	25.4	17.5
KH-8-17M-6	KN-8-17M-6	17	152	31.8	25.4	25.4	17.5
KH-8-17M-9	KN-8-17M-9	17	229	31.8	25.4	25.4	17.5
KH-8-18M-3	KN-8-18M-3	18	76	31.8	25.4	25.4	17.5
KH-8-18M-4	-	18	102	31.8	25.4	25.4	17.5
KH-8-18M-6	KN-8-18M-6	18	152	31.8	25.4	25.4	17.5
KH-8-18M-9	KN-8-18M-9	18	229	31.8	25.4	25.4	17.5
-	KN-8-18M-12	18	305	31.8	25.4	25.4	17.5
KH-10-19M-3	-	19	76	34.9	31.8	26.2	16.2
KH-10-19M-6	-	19	152	34.9	31.8	26.2	16.2
KH-10-19M-9	-	19	229	34.9	31.8	26.2	16.2
KH-10-19M-12	-	19	305	34.9	31.8	26.2	16.2
-	KN-10-24M-6	24	152	34.9	31.8	34.9	16.2
-	KNS-8-18M-4	18	102	31.8	25.4	25.4	17.5



APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC – EXTENSION

6 POINT



Part No. Standard	Part No. Tension	Hex Open MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Socket End Dia. (D) MM.	Nose End Dia. (E) MM.	Clearance Depth MM.
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KHW-C-7-13M-6	KNW-C-7-13M-6	13	152	25.4	22.2	17.5	11.9	
KHW-C-7-13M-9	KNW-C-7-13M-9	13	229	25.4	22.2	17.5	11.9	
KHW-C-7-14M-6	KNW-C-7-14M-6	14	152	27.0	22.2	19.1	13.5	
KHW-C-8-15M-6	KNW-C-8-15M-6	15	152	28.6	25.4	19.8	14.3	
KHW-C-8-15M-9	-	15	229	28.6	25.4	19.8	14.3	
-	KNW-C-8-15M-12	15	305	28.6	25.4	19.8	14.3	
KHW-C-8-16M-6	-	16	152	30.2	25.4	21.4	15.9	
KHW-C-8-16M-9	KNW-C-8-16M-9	16	229	30.2	25.4	21.4	15.9	
KHW-C-8-17M-6	KNW-C-8-17M-6	17	152	31.8	25.4	25.4	17.5	
KHW-C-8-17M-9	KNW-C-8-17M-9	17	229	31.8	25.4	25.4	17.5	
KHW-C-8-18M-4	-	18	102	31.8	25.4	25.4	17.5	
KHW-C-8-18M-6	KNW-C-8-18M-6	18	152	31.8	25.4	25.4	17.5	
KHW-C-8-18M-9	KNW-C-8-18M-9	18	229	31.8	25.4	25.4	17.5	

1/2" SQ. DR. SOCKETS FOR SPLINE FASTENERS

STANDARD & LONG LENGTH



Part No.	Spline Size	Nominal Size IN.	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.	Mag./ Non-Mag.
CMS-5416	16	1/2	11/4 32	23/32 18	7/8 22	Non-Magnetic
CMS-5422	22	11/16	11/2 38	31/32 25	31/32 25	Non-Magnetic
CMS-5426	26	13/16	11/2 38	11/8 29	11/8 29	Non-Magnetic
CMS-5430	30	15/16	11/2 38	11/4 32	11/4 32	Non-Magnetic

APEX SPLINE SOCKETS:

APEX Spline Sockets conform to military specifications MS-37787 and MIL-W-8982C.

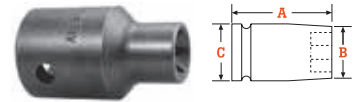
1/2" SQ. DR. TORX® SOCKETS

FOR EXTERNAL TORX SCREWS



Part Number	Part No. Fixed Magnet	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
TX-5110	-	E-10	11/2 38	9/16 13	1 25
TX-5112	-	E-12	11/2 38	5/8 16	1 25
TX-5114	-	E-14	11/2 38	11/16 18	1 25
TX-5116	-	E-16	11/2 38	13/16 21	1 25
TX-5118	MTX-5118	E-18	11/2 38	7/8 22	1 25
TX-5120	-	E-20	11/2 38	1 25	13/16 30
TX-5124	-	E-24	11/2 38	15/16 33	15/16 33

FOR EXTERNAL TORX SCREWS, THIN WALL



Part Number	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
TX-5408	E-8	11/2 38	3/8 10	7/8 22
TX-5410	E-10	11/2 38	1/2 13	7/8 22
TX-5412	E-12	11/2 38	9/16 14	7/8 22
TX-5414	E-14	11/2 38	5/8 16	7/8 22
TX-5416	E-16	11/2 38	7/8 22	7/8 22
TX-5418	E-18	11/2 38	15/16 24	15/16 24
TX-5420	E-20	11/2 38	11/16 27	11/16 27



1/2" SQ. DR. EXTENSIONS

1 23/32" TO
18" LENGTH



Part Number	Male Square IN.	Type of Lock	Overall Length	
			IN.	MM.
EX-504	1/2	Pin	1 23/32	44
EX-504-B	1/2	Ball	1 23/32	44
EX-508-2	1/2	Pin	2	51
EX-508-B-2	1/2	Ball	2	51
EX-508-3	1/2	Pin	3	76
EX-508-B-3	1/2	Ball	3	76
EX-508-4	1/2	Pin	4	102
EX-508-B-4	1/2	Ball	4	102
EX-508-5	1/2	Pin	5	127
EX-508-B-5	1/2	Ball	5	127
EX-508-6	1/2	Pin	6	152
EX-508-B-6	1/2	Ball	6	152
EX-508-8	1/2	Pin	8	203
EX-508-B-8	1/2	Ball	8	203
EX-508-9	1/2	Pin	9	229
EX-508-B-9	1/2	Ball	9	229
EX-508-10	1/2	Pin	10	254
EX-508-B-10	1/2	Ball	10	254
EX-508-12	1/2	Pin	12	305
EX-508-B-12	1/2	Ball	12	305
EX-508-15	1/2	Pin	15	381
EX-508-B-15	1/2	Ball	15	381
EX-508-16	1/2	Pin	16	406
EX-508-18	1/2	Pin	18	457
EX-508-24	1/2	Pin	24	610

1/2" SQ. DR. ADAPTERS

1/4" TO 3/4"
MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length	
				IN.	MM.
EX-260	1/2	1/4	Pin	1 1/2	38
EX-260-B	1/2	1/4	Ball	1 1/2	38
EX-258-B-2	1/2	1/4	Ball	2	51
EX-258-4	1/2	1/4	Pin	4	102
EX-375	1/2	3/8	Pin	1 1/2	38
EX-375-B	1/2	3/8	Ball	1 1/2	38
EX-377-2	1/2	3/8	Pin	2	51
EX-377-B-2	1/2	3/8	Ball	2	51
EX-377-3	1/2	3/8	Pin	3	76
EX-377-B-3	1/2	3/8	Ball	3	76
EX-377-4	1/2	3/8	Pin	4	102
EX-377-B-4	1/2	3/8	Ball	4	102
EX-377-5	1/2	3/8	Pin	5	127
EX-377-B-5	1/2	3/8	Ball	5	127
EX-377-6	1/2	3/8	Pin	6	152
EX-377-B-6	1/2	3/8	Ball	6	152
EX-377-8	1/2	3/8	Pin	8	203
EX-377-B-8	1/2	3/8	Ball	8	203
EX-377-9	1/2	3/8	Ball	9	229
EX-377-10	1/2	3/8	Pin	10	254
EX-377-B-10	1/2	3/8	Ball	10	254
EX-377-12	1/2	3/8	Pin	12	305
EX-377-B-12	1/2	3/8	Ball	12	305
EX-377-15	1/2	3/8	Pin	15	381
EX-623	1/2	5/8	Pin	1 1/2	38
EX-623-B	1/2	5/8	Ball	1 1/2	38
EX-626-3	1/2	5/8	Pin	3	76
EX-751	1/2	3/4	7/32 drill hole	1 13/16	46
EX-751-B	1/2	3/4	Ball	1 13/16	46

1/2" SQ. DR. UNIVERSAL ADAPTERS

3/8" TO 3/4" MALE SQUARE



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

1/2" SQ. DR. UNIV. ADAPTERS – EXT.

1/2" MALE SQUARE



Part Number	Part No. Tension	Female Square IN.	Male Square IN.	Type of Lock	Largest Dia.	
					IN.	MM.
KHM-37-6	KNM-37-6	1/2	3/8	Pin	3/4	19
KHM-38-6	KNM-38-6	1/2	3/8	Pin	7/8	22
KHM-50-3	KNM-50-3	1/2	1/2	Pin	1	25
KHM-50-6	KNM-50-6	1/2	1/2	Pin	1	25
KHM-50-B-6	KNM-50-B-6	1/2	1/2	Ball	1	25

Maximum operating angle when using Universal Wrench is 30 degrees.