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Custom Industrial Hand Tools

Established 1976

UNIVERSAL TOOL, INC.

1935 Ring Drive | Troy | Michigan | 48083 | (248) 733-9800

Universal Tool, Inc. Online Manual

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UNIVERSAL TOOL SOCKETS ARE AVAILABLE IN A WIDE RANGE OF LENGTHS, DIAMETERS, AND IN VARIOUS BROACHED OPENINGS SUCH AS SINGLE HEX, DOUBLE HEX, SQUARES, ETC. THEY ARE ALSO OFFERED WITH:

- SURFACE DRIVE
- FAST LEAD
- FIXED MAGNETS
- SPRING LOADED MAGNETS
- SIDEWALL MAGNETS
- LARGER SQUARE DRIVES
- TORX DRIVES

SPECIALTY PRODUCTS

PLASTIC SOCKETS OR PLASTIC COVERED SOCKETS TO PREVENT SCRATCHING PAINT. SPLINES & SPINDLES CAN BE ORDERED WITH A RUDIMENTARY DRAWING OR A SAMPLE PART. ALUMINUM SOCKETS FOR LIGHTWEIGHT AND LOW TORQUE APPLICATIONS CAN BE MADE. ELLIPTICAL, RECTANGULAR AND MOST OTHER SHAPES CAN BE MADE FOR DRIVING RARE BOLTHEADS. WE ALSO MAKE BUDD WHEEL SOCKETS, TRIPLE SQUARE ADAPTERS AND PALE NUT SOCKETS.

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EXPLANATION OF SOCKET NUMBERS

1ST POSITION

***TYPE:**
A = ADAPTER
BH = BIT HOLDER
D = 12 POINT DOUBLE HEX
DSQ = DOUBLE SQUARE
EX = EXTENSION
EXS = SPRING LOADED EXTENSION
FL = 6 POINT FAST LEAD
HD = HOLD AND DRIVE
KO = KICK OFF SOCKET
OCT = OCTAGONAL SOCKET
P= 6 POINT SINGLE HEX
QR = QUICK CHANGE RING
SB = SWIVEL BAILS
SF = 6 POINT SURFACE HEX
TX = TORX
U = UNIVERSALS
UW = WOBBLE SOCKET
9 = PULSE TOOL

* COMBINATIONS OF ABOVE TYPES
ARE OFTEN USED TOGETHER.

2ND POSITION

MAGNET TYPE:
M = SOLID MAGNET OR *SIDE WALL
*(SW FOR SIDE WALL MAGNETS IS SPECIFIED AT THE END OF PART#)
HM = HOLLOW MAGNET
SM = SPRING LOADED MAGNET

3RD POSITION

HEX SIZE:
SAE = SIZE IN 32NDS
METRIC = SIZE IN MILLIMETERS

4TH POSITION

DRIVE SIZE:
1/4”
3/8”
1/2" NUMBERED IN 1/8TH INCREMENTS
5/8”
3/4"
1”

5TH POSITION

LENGTH:
SAE OR METRIC LENGTH

6th POSITON

STYLE:
AL = ALUMINUM
B = BALL RETAINER
DB = DEEP BROACH
(PLEASE SPECIFY BROACH DEPTH)
DW = DEEP WELL
HW = HEAVY WALL
NT = NOSE TAPER
OR = O RING
P = PIN RETAINER
PL = PLASTIC SLEEVE
PLC = EXTENDED SLEEVE
PLN = PLUNGER
PLS = SPINNING SLEEVE
S = SPECIAL
SKO = SOCKET ONLY
SL = SLOTTED SOCKET
SPR = SPRING
T = THIN WALL
TN = TURNED NOSE

EXAMPLE
PM-164-2.25T

PM	16	4	2.25	T
SINGLE HEX, MAGNET	16/32 = ½” HEX	4/8 = ½” DRIVE	2 ¼” LENGTH	THIN WALL

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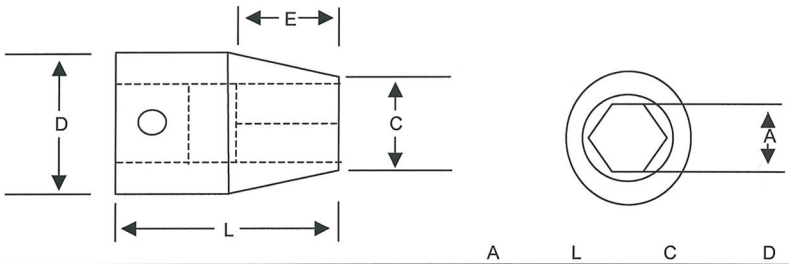
1/4" DRIVE SOCKETS FOR SAE & METRIC FASTENER



					A	L	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIA.	DRIVE DIA.	BROACH DEPTH
P-62	D-62	SF-62	FL-62	PM-62	3/16	7/8	5/16	1/2	3/32
P-82	D-82	SF-82	FL-82	PM-82	1/4	7/8	3/8	1/2	5/32
P-102	D-102	SF-102	FL-102	PM-102	5/16	7/8	7/16	1/2	3/16
P-122	D-122	SF-122	FL-122	PM-122	3/8	1	9/16	9/16	1/4
P-142	D-142	SF-142	FL-142	PM-142	7/16	1	5/8	5/8	9/32
P-162	D-162	SF-162	FL-162	PM-162	1/2	1	3/4	3/4	11/32
P-182	D-182	SF-182	FL-182	PM-182	9/16	1	7/8	7/8	7/16
P-202	D-202	SF-202	FL-202	PM-202	5/8	1	7/8	7/8	7/16
P-222	D-222	SF-222	FL-222	PM-222	11/16	1	1	1	7/16
P-242	D-242	SF-242	FL-242	PM-242	3/4	1	1	1	15/32
P-6MM2	D-6MM2	SF-6MM2	FL-6MM2	PM-6MM2	6MM	7/8	3/8	1/2	3/32
P-7MM2	D-7MM2	SF-7MM2	FL-7MM2	PM-7MM2	7MM	7/8	7/16	1/2	3/16
P-8MM2	D-8MM2	SF-8MM2	FL-8MM2	PM-8MM2	8MM	1	1/2	1/2	3/16
P-9MM2	D-9MM2	SF-9MM2	FL-9MM2	PM-9MM2	9MM	1	9/16	9/16	1/4
P-10MM2	D-10MM2	SF-10MM2	FL-10MM2	PM-10MM2	10MM	1	9/16	9/16	1/4
P-11MM2	D-11MM2	SF-11MM2	FL-11MM2	PM-11MM2	11MM	1	5/8	5/8	9/32
P-12MM2	D-12MM2	SF-12MM2	FL-12MM2	PM-12MM2	12MM	1	11/16	11/16	9/32
P-13MM2	D-13MM2	SF-13MM2	FL-13MM2	PM-13MM2	13MM	1	13/16	13/16	11/32
P-14MM2	D-14MM2	SF-14MM2	FL-14MM2	PM-14MM2	14MM	1	7/8	7/8	7/16
P-15MM2	D-15MM2	SF-15MM2	FL-15MM2	PM-15MM2	15MM	1	7/8	7/8	7/16
P-16MM2	D-16MM2	SF-16MM2	FL-16MM2	PM-16MM2	16MM	1	7/8	7/8	7/16
P-17MM2	D-17MM2	SF-17MM2	FL-17MM2	PM-17MM2	17MM	1	1	1	7/16
P-18MM2	D-18MM2	SF-18MM2	FL-18MM2	PM-18MM2	18MM	1	1 1/8	1 1/8	7/16

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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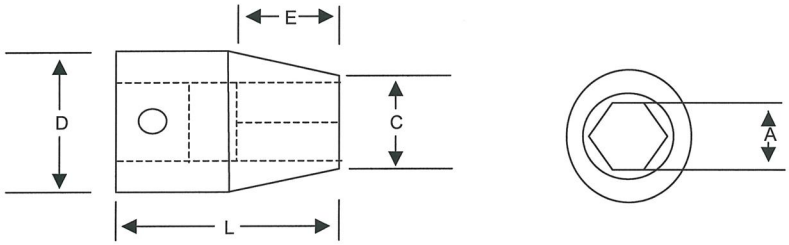
3/8" DRIVE SOCKETS FOR SAE & METRIC FASTENER



					A	L	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIA.	DRIVE DIA.	BROACH DEPTH
P-63	D-63	SF-63	FL-63	PM-63	3/16	1 1/4	5/16	3/4	3/32
P-83	D-83	SF-83	FL-83	PM-83	1/4	1 1/4	7/16	3/4	5/32
P-103	D-103	SF-103	FL-103	PM-103	5/16	1 1/4	7/16	3/4	3/16
P-123	D-123	SF-123	FL-123	PM-123	3/8	1 1/4	9/16	3/4	1/4
P-143	D-143	SF-143	FL-143	PM-143	7/16	1 1/2	11/16	3/4	9/32
P-163	D-163	SF-163	FL-163	PM-163	1/2	1 1/2	3/4	3/4	11/32
P-163T	D-163T	SF-163T	FL-163T	PM-163T	1/2	1 1/2	11/16	11/16	11/32
P-183	D-183	SF-183	FL-183	PM-183	9/16	1 1/2	7/8	7/8	7/16
P-183T	D-183T	SF-183T	FL-183T	PM-183T	9/16	1 1/2	13/16	13/16	7/16
P-203	D-203	SF-203	FL-203	PM-203	5/8	1 1/2	1	1	7/16
P-203T	D-203T	SF-203T	FL-203T	PM-203T	5/8	1 1/2	7/8	7/8	7/16
P-223	D-223	SF-223	FL-223	PM-223	11/16	1 1/2	1	1	7/16
P-243	D-243	SF-243	FL-243	PM-243	3/4	1 1/2	1 1/8	1 1/8	15/32
P-263	D-263	SF-263	FL-263	PM-263	13/16	1 1/2	1 1/8	1 1/8	17/32
P-283	D-283	SF-283	FL-283	PM-283	7/8	1 1/2	1 1/4	1 1/4	9/16
P-303	D-303	SF-303	FL-303	PM-303	15/16	1 1/2	1 3/8	1 3/8	5/8
P-323	D-323	SF-323	FL-323	PM-323	1	1 1/2	1 3/8	1 3/8	5/8
P-343	D-343	SF-343	FL-343	PM-343	1 1/16	1 1/2	1 1/2	1 1/2	11/16
P-363	D-363	SF-363	PM-363	PM-363	1 1/8	1 1/2	1 1/2	1 1/2	3/4
P-403	D-403	SF-403	PM-403	PM-403	1 1/4	1 1/2	1 3/4	1 3/4	3/4
P-483	D-483	SF-483	PM-483	PM-483	1 1/2	1 1/2	2	2	7/8

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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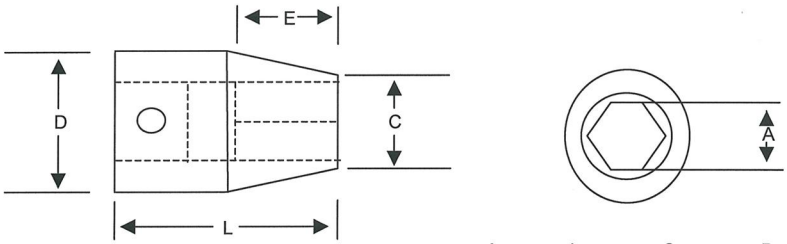
3/8" DRIVE SOCKETS FOR SAE & METRIC FASTENER



					A	L	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIA.	DRIVE DIA.	BROACH DEPTH
P-6MM3	D-6MM3	SF-6MM3	FL-6MM3	PM-6MM3	6MM	1 1/4	7/16	3/4	3/32
P-7MM3	D-7MM3	SF-7MM3	FL-7MM3	PM-7MM3	7MM	1 1/4	7/16	3/4	3/32
P-8MM3	D-8MM3	SF-8MM3	FL-8MM3	PM-8MM3	8MM	1 1/4	1/2	3/7	3/16
P-9MM3	D-9MM3	SF-9MM3	FL-9MM3	PM-9MM3	9MM	1 1/4	9/16	3/4	3/16
P-10MM3	D-10MM3	SF-10MM3	FL-10MM3	PM-10MM3	10MM	1 1/4	11/16	3/4	1/4
P-11MM3	D-11MM3	SF-11MM3	FL-11MM3	PM-11MM3	11MM	1 1/2	3/4	3/4	9/32
P-12MM3	D-12MM3	SF-12MM3	FL-12MM3	PM-12MM3	12MM	1 1/2	3/4	3/4	11/32
P-13MM3	D-13MM3	SF-13MM3	FL-13MM3	PM-13MM3	13MM	1 1/2	13/16	13/16	7/16
P-14MM3	D-14MM3	SF-14MM3	FL-14MM3	PM-14MM3	14MM	1 1/2	7/8	7/8	7/16
P-15MM3	D-15MM3	SF-15MM3	FL-15MM3	PM-15MM3	15MM	1 1/2	7/8	7/8	7/16
P-16MM3	D-16MM3	SF-16MM3	FL-16MM3	PM-16MM3	16MM	1 1/2	1	1	7/16
P-17MM3	D-17MM3	SF-17MM3	FL-17MM3	PM-17MM3	17MM	1 1/2	1	1	7/16
P-18MM3	D-18MM3	SF-18MM3	FL-18MM3	PM-18MM3	18MM	1 1/2	1 1/8	1 1/8	7/16
P-19MM3	D-19MM3	SF-19MM3	FL-19MM3	PM-19MM3	19MM	1 1/2	1 1/8	1 1/8	1/2
P-20MM3	D-20MM3	SF-20MM3	FL-20MM3	PM-20MM3	20MM	1 1/2	1 1/8	1 1/8	1/2
P-21MM3	D-21MM3	SF-21MM3	FL-21MM3	PM-21MM3	21MM	1 1/2	1 1/4	1 1/4	9/16
P-22MM3	D-22MM3	SF-22MM3	FL-22MM3	PM-22MM3	22MM	1 1/2	1 1/4	1 1/4	9/16
P-24MM3	D-24MM3	SF-24MM3	FL-24MM3	PM-24MM3	24MM	1 1/2	1 1/2	1 1/2	5/8
P-27MM3	D-27MM3	SF-27MM3	FL-27MM3	PM-27MM3	27MM	1 1/2	1 5/8	1 5/8	11/16
P-30MM3	D-30MM3	SF-30MM3	FL-30MM3	PM-30MM3	30MM	1 1/2	1 3/4	1 3/4	3/4
P-33MM3	D-33MM3	SF-33MM3	FL-33MM3	PM-33MM3	33MM	1 1/2	1 7/8	1 7/8	13/16
P-36MM3	D-36MM3	SF-36MM3	FL-36MM3	PM-36MM3	36MM	1 1/2	2	2	7/8

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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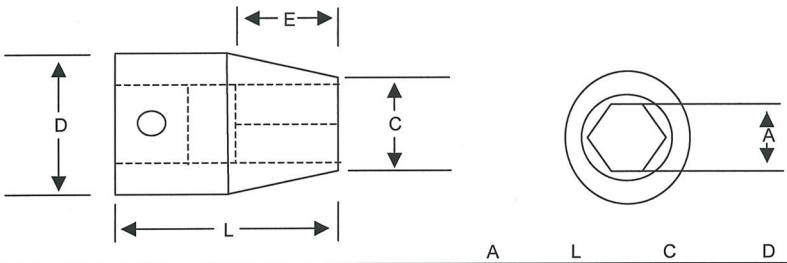
1/2" DRIVE SOCKETS FOR SAE & METRIC FASTENER



					A	L	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIA.	DRIVE DIA.	BROACH DEPTH
P-84	D-84	SF-84	FL-84	PM-84	1/4	1 1/2	7/16	15/16	5/32
P-104	D-104	SF-104	FL-104	PM-104	5/16	1 1/2	1/2	15/16	3/16
P-124	D-124	SF-124	FL-124	PM-124	3/8	1 1/2	1/2	15/16	1/4
P-144	D-144	SF-144	FL-144	PM-144	7/16	1 1/2	11/16	15/16	9/32
P-164	D-164	SF-164	FL-164	PM-164	1/2	1 1/2	7/8	15/16	11/32
P-164T	D-164T	SF-164T	FL-164T	PM-164T	1/2	1 1/2	3/4	7/8	11/32
P-184	D-184	SF-184	FL-184	PM-184	9/16	1 1/2	15/16	15/16	7/16
P-184T	D-184T	SF-184T	FL-184T	PM-184T	9/16	1 1/2	7/8	7/8	7/16
P-204	D-204	SF-204	FL-204	PM-204	5/8	1 1/2	1	1	7/16
P-224	D-224	SF-224	FL-224	PM-224	11/16	1 1/2	1 1/8	1 1/8	7/16
P-244	D-244	SF-244	FL-244	PM-244	3/4	1 1/2	1 1/4	1 1/4	7/16
P-264	D-264	SF-264	FL-264	PM-264	13/16	1 1/2	1 1/4	1 1/4	17/32
P-284	D-284	SF-284	FL-284	PM-284	7/8	1 1/2	1 3/8	1 3/8	9/16
P-304	D-304	SF-304	FL-304	PM-304	15/16	1 1/2	1 1/2	1 1/2	5/8
P-324	D-324	SF-324	FL-324	PM-324	1	1 1/2	1 1/2	1 1/2	5/8
P-344	D-344	SF-344	FL-344	PM-344	1 1/16	1 5/8	1 5/8	1 5/8	11/16
P-364	D-364	SF-364	FL-364	PM-364	1 1/8	1 5/8	1 5/8	1 5/8	3/4
P-384	D-384	SF-384	FL-384	PM-384	1 3/16	1 5/8	1 3/4	1 3/4	3/4
P-404	D-404	SF-404	FL-404	PM-404	1 1/4	1 3/4	1 3/4	1 3/4	13/16
P-424	D-424	SF-424	FL-424	PM-424	1 5/16	1 3/4	2	2	13/16
P-444	D-444	SF-444	FL-444	PM-444	1 3/8	1 3/4	2	2	13/16
P-484	D-484	SF-484	FL-484	PM-484	1 1/2	2	2	2	1

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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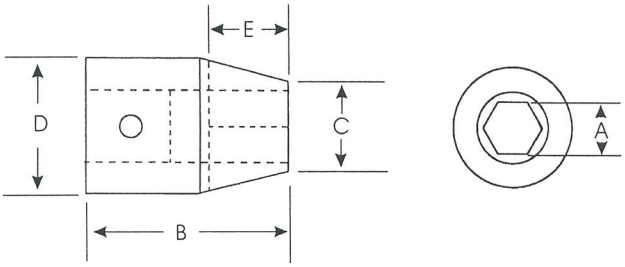
1/2" DRIVE SOCKETS FOR METRIC FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-8MM4	D-8MM4	SF-8MM4	FL-8MM4	PM-8MM4	8MM	1-1/2	1/2	15/16	5/32
P-9MM4	D-9MM4	SF-9MM4	FL-9MM4	PM-9MM4	9MM	1-1/2	5/8	15/16	3/16
P-10MM4	D-10MM4	SF-10MM4	FL-10MM4	PM-10MM4	10MM	1-1/2	7/8	15/16	1/4
P-11MM4	D-11MM4	SF-11MM4	FL-11MM4	PM-11MM4	11MM	1-1/2	3/4	15/16	9/32
P-12MM4	D-12MM4	SF-12MM4	FL-12MM4	PM-12MM4	12MM	1-1/2	3/4	15/16	9/32
P-13MM4	D-13MM4	SF-13MM4	FL-13MM4	PM-13MM4	13MM	1-1/2	7/8	15/16	11/32
P-14MM4	D-14MM4	SF-14MM4	FL-14MM4	PM-14MM4	14MM	1-1/2	7/8	15/16	7/16
P-15MM4	D-15MM4	SF-15MM4	FL-15MM4	PM-15MM4	15MM	1-1/2	15/16	15/16	7/16
P-16MM4	D-16MM4	SF-16MM4	FL-16MM4	PM-16MM4	16MM	1-1/2	1	1	7/16
P-17MM4	D-17MM4	SF-17MM4	FL-17MM4	PM-17MM4	17MM	1-1/2	1	1	7/16
P-18MM4	D-18MM4	SF-18MM4	FL-18MM4	PM-18MM4	18MM	1-1/2	1-1/8	1-1/8	7/16
P-19MM4	D-19MM4	SF-19MM4	FL19MM4	PM-19MM4	19MM	1-1/2	1-1/8	1-1/8	1/2
P-20MM4	D-20MM4	SF-20MM4	FL-20MM4	PM-20MM4	20MM	1-1/2	1-1/4	1-1/4	1/2
P-21MM4	D-21MM4	SF-21MM4	FL-21MM4	PM-21MM4	21MM	1-1/2	1-1/4	1-1/4	17/32
P-22MM4	D-22MM4	SF-22MM4	FL-22MM4	PM-22MM4	22MM	1-1/2	1-1/4	1-1/4	17/32
P-24MM4	D-24MM4	SF-24MM4	FL-24MM4	PM-24MM4	24MM	1-1/2	1-1/2	1-1/2	5/8
P-27MM4	D-27MM4	SF-27MM4	FL-27MM4	PM-27MM4	27MM	1.62	1-5/8	1-5/8	11/16
P-28MM4	D-28MM4	SF-28MM4	FL-28MM4	PM-28MM4	28MM	1.62	1-5/8	1-5/8	3/4
P-30MM4	D-30MM4	SF-30MM4	FL-30MM4	PM-30MM4	30MM	1.62	1-3/4	1-3/4	3/4
P-32MM4	D-32MM4	SF-32MM4	FL-32MM4	PM-32MM4	32MM	1.75	1-3/4	1-3/4	3/4
P-33MM4	D-33MM4	SF-33MM4	FL-33MM4	PM-33MM4	33MM	1.75	2	2	13/16
P-34MM4	D-34MM4	SF-34MM4	FL-34MM4	PM-34MM4	34MM	1.88	2	2	13/16
P-36MM4	D-36MM4	SF-36MM4	FL-36MM4	PM-36MM4	36MM	1.88	2	2	15/16

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, HOLLOW MAGNETS, THIN WALL, DEEP WELL, ETC.

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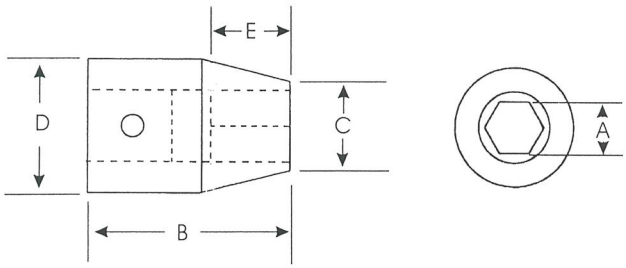
5/8" DRIVE SOCKETS FOR SAE FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-145	D-145	SF-145	FL-145	PM-145	7/16	1.88	11/16	1-1/8	9/32
P-165	D-165	SF-165	FL-165	PM-165	1/2	1.88	7/8	1-1/8	11/32
P-185	D-185	SF-185	FL-185	PM-185	9/16	1.88	7/8	1-1/8	7/16
P-205	D-205	SF-205	FL-205	PM-205	5/8	1.88	1	1-1/8	7/16
P-225	D-225	SF-225	FL-225	PM-225	11/16	1.88	1-1/8	1-1/8	7/16
P-245	D-245	SF-245	FL-245	PM-245	3/4	1.88	1-1/4	1-1/4	1/2
P-245T	D-245T	SF-245T	FL-245T	PM-245T	3/4	1.88	1-1/8	1-1/8	1/2
P-265	D-265	SF-265	FL-265	PM-265	13/16	1.88	1-1/4	1-1/4	17/32
P-265T	D-265T	SF-265T	FL-265T	PM-265T	13/16	1.88	1-1/8	1-1/8	17/32
P-285	D-285	SF-285	FL-285	PM-285	7/8	1.88	1-3/8	1-3/8	9/16
P-285T	D-285T	SF-285T	FL-285T	PM-285T	7/8	1.88	1-3/16	1-3/16	9/16
P-305	D-305	SF-305	FL-305	PM-305	15/16	2	1-1/2	1-1/2	5/8
P-305T	D-305T	SF-305T	FL-305T	PM-305T	15/16	2	1-5/16	1-5/16	5/8
P-325	D-325	SF-325	FL-325	PM-325	1	1	1-1/2	1-1/2	5/8
P-345	D-345	SF-345	FL-345	PM-345	1-1/16	2	1-7/16	1-7/16	11/16
P-365	D-365	SF-365	FL-365	PM-365	1-1/8	2	1-5/8	1-5/8	3/4
P-385	D-385	SF-385	FL-385	PM-385	1-3/16	2	1-3/4	1-3/4	3/4
P-405	D-405	SF-405	FL-405	PM-405	1-1/4	2	1-3/4	1-3/4	13/16
P-425	D-425	SF-425	FL-425	PM-425	1-5/16	2	2	2	13/16
P-445	D-445	SF-445	FL-445	PM-445	1-3/8	2.12	2	2	13/16
P-465	D-465	SF-465	FL-465	PM-465	1-7/16	2.12	2	2	13/16
P-485	D-485	SF-485	FL-485	PM-485	1-1/2	2.25	2	2	1

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, HOLLOW MAGNETS, THIN WALL, DEEP WELL, ETC.

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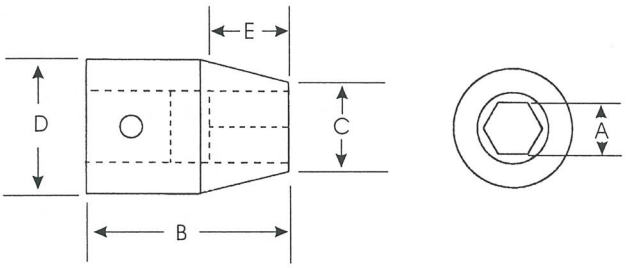
5/8" DRIVE SOCKETS FOR METRIC FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-12MM5	D-12MM5	SF-12MM5	FL-12MM5	PM-12MM5	12MM	1.88	3/4	1-1/8	7/16
P-13MM5	D-13MM5	SF-13MM5	FL-13MM5	PM-13MM5	13MM	1.88	7/8	1-1/8	7/16
P-14MM5	D-14MM5	SF-14MM5	FL-14MM5	PM-14MM5	14MM	1.88	7/8	1-1/8	7/8
P-15MM5	D-15MM5	SF-15MM5	FL15MM5	PM-15MM5	15MM	1.88	15/16	1-1/8	7/16
P-16MM5	D-16MM5	SF-16MM5	FL-16MM5	PM-16MM5	16MM	1.88	1	1-1/8	7/16
P-17MM5	D-17MM5	SF-17MM5	FL-17MM5	PM-17MM5	17MM	1.88	1-1/8	1-1/8	7/16
P-18MM5	D-18MM5	SF-18MM5	FL-18MM5	PM-18MM5	18MM	1.88	1-1/8	1-1/8	7/16
P-19MM5	D-19MM5	SF-19MM5	FL-19MM5	PM-19MM5	19MM	1.88	1-1/4	1-1/4	1/2
P-20MM5	D-20MM5	SF-20MM5	FL-20MM5	PM-20MM5	20MM	1.88	1-1/4	1-1/4	1/2
P-21MM5	D-21MM5	SF-21MM5	FL-21MM5	PM-21MM5	21MM	1.88	1-1/4	1-1/4	9/16
P-22MM5	D-22MM5	SF-22MM5	FL-22MM5	PM-22MM5	22MM	1.88	1-3/8	1-3/8	9/16
P-23MM5	D-23MM5	SF-23MM5	FL-23MM5	PM-23MM5	23MM	1.88	1-1/2	1-1/2	5/8
P-24MM5	D-24MM5	SF-24MM5	FL-24MM5	PM-24MM5	24MM	2	1-1/2	1-1/2	5/8
P-25MM5	D-25MM5	SF-25MM5	FL-25MM5	PM-25MM5	25MM	2	1-1/2	1-1/2	5/8
P-26MM5	D-26MM5	SF-26MM5	FL-26MM5	PM-26MM5	26MM	2	1-1./2	1-1/2	5/8
P-27MM5	D-27MM5	SF-27MM5	FL-27MM5	PM-27MM5	27MM	2	1-5/8	1-5/8	11/16
P-28MM5	D-28MM5	SF-28MM5	FL-28MM5	PM-28MM5	28MM	2	1-5/8	1-5/8	3/4
P-29MM5	D-29MM5	SF-29MM5	FL-29MM5	PM-29MM5	29MM	2	1-3/4	1-3/4	3/4
P-30MM5	D-30MM5	SF-30MM5	FL-30MM5	PM-30MM5	30MM	2	1-3/4	1-3/4	3/4
P-32MM5	D-32MM5	SF-32MM5	FL-32MM5	PM-32MM5	32MM	2.25	1-3/4	1-3/4	13/16
P-33MM5	D-33MM5	SF-33MM5	FL-33MM5	PM-33MM5	33MM	2.25	2	2	13/16
P-34MM5	D-34MM5	SF-34MM5	FL-34MM5	PM-34MM5	34MM	2.25	2	2	13/16
P-36MM5	D-36MM5	SF-36MM5	FL-36MM5	PM-36MM5	36MM	2.25	2	2	15/16

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, HOLLOW MAGNETS, THIN WALL, DEEP WELL, ETC.

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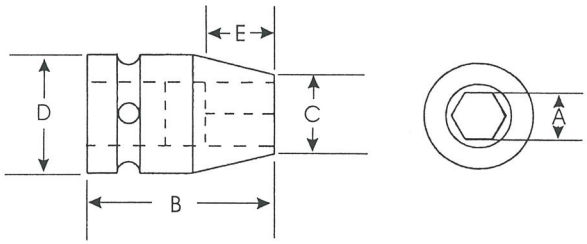
3/4" DRIVE SOCKETS FOR SAE FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-166	D-166	SF-166	FL-166	PM-166	1/2	2	7/8	1-1/2	11/32
P-186	D-186	SF-186	FL-186	PM-186	9/16	2	1	1-1/2	7/16
P-206	D-206	SF-206	FL-206	PM-206	5/8	2	1	1-1/2	7/16
P-226	D-226	SF-226	FL-226	PM-226	11/16	2	1-1/8	1-1/2	7/16
P-246	D-246	SF-246	FL-246	PM-246	3/4	2	1-1/4	1-1/2	1/2
P-266	D-266	SF-266	FL-266	PM-266	13/16	2	1-3/8	1-1/2	17/32
P-286	D-286	SF-286	FL-286	PM-286	7/8	2	1-1/2	1-1/2	9/16
P-286T	D-286T	SF-286T	FL-286T	PM-286T	7/8	2	1-3/8	1-3/8	9/16
P-306	D-306	SF-306	FL-306	PM-306	15/16	2	1-1/2	1-1/2	5/8
P-306T	D-306T	SF-306T	FL-306T	PM-306T	15/16	2	1-3/8	1-3/8	5/8
P-326	D-326	SF-326	FL-326	PM-326	1	2	1-1/2	1-1/2	5/8
P-326T	D-326T	SF-326T	FL-326T	PM-326T	1	2	1-7/16	1-7/16	5/8
P-346	D-346	SF-346	FL-346	PM-346	1-1/16	2	1-3/4	1-3/4	11/16
P-346T	D-346T	SF-346T	FL-346T	PM-346T	1-1/16	2	1-1/2	1-1/2	11/16
P-366	D-366	SF-366	FL-366	PM-366	1-1/8	2.12	1-3/4	1-3/4	3/4
P-366T	D-366T	SF-366T	FL-366T	PM-366T	1-1/8	2.12	1-5/8	1-5/8	3/4
P-386	D-386	SF-386	FL-386	PM-386	1-3/16	2.12	1-3/4	1-3/4	3/4
P-386T	D-386T	SF-386T	FL-386T	PM-386T	1-3/16	2.12	1-5/8	1-5/8	3/4
P-406	D-406	SF-406	FL-406	PM-406	1-1/4	2/12	2	2	13/16
P-426	D-426	SF-426	FL-426	PM-426	1-5/16	2.12	2	2	13/16
P-446	D-446	SF-446	FL-446	PM-446	1-3/8	2.12	2	2	13/16
P-466	D-466	SF-466	FL-466	PM-466	1-7/16	2.25	2	2	15/16
P-486	D-486	SF-486	FL-486	PM-486	1-1/2	2.25	2	2	1

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, HOLLOW MAGNETS, THIN WALL, DEEP WELL, ETC.

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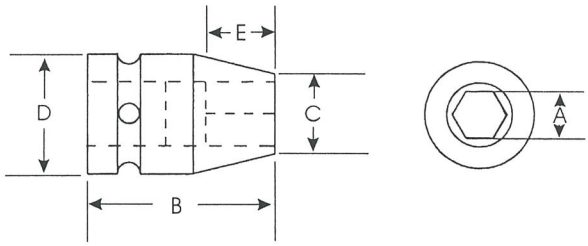
3/4" DRIVE SOCKETS FOR METRIC FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-13MM6	D-13MM6	SF-13MM6	FL-13MM6	PM-13MM6	13MM	2	7/8	1-1/2	7/16
P-14MM6	D-14MM6	SF-14MM6	FL-14MM6	PM-14MM6	14MM	2	1	1-1/2	7/16
P-15MM6	D-15MM6	SF-15MM6	FL-15MM6	PM-15MM6	15MM	2	1	1-1/2	7/16
P-16MM6	D-16MM6	SF-16MM6	FL-16MM6	PM-16MM6	16MM	2	1-1/8	1-1/2	7/16
P-17MM6	D-17MM6	SF-17MM6	FL-17MM6	PM-17MM6	17MM	2	1-1/8	1-1/2	7/16
P-18MM6	D-18MM6	SF-18MM6	FL-18MM6	PM-18MM6	18MM	2	1-1/4	1-1/4	7/16
P-19MM6	D-19MM6	SF-19MM6	FL-19MM6	PM-19MM6	19MM	2	1-1/2	1-1/2	1/2
P-20MM6	D-20MM6	SF-20MM6	FL-20MM6	PM-20MM6	20MM	2	1-3/8	1-1/2	1/2
P-21MM6	D-21MM6	SF-21MM6	FL-21MM6	PM-21MM6	21MM	2	1-3/8	1-1/2	9/16
P-22MM6	D-22MM6	SF-22MM6	FL-22MM6	PM-22MM6	22MM	2	1-1/2	1-1/2	9/16
P-23MM6	D-23MM6	SF-23MM6	FL-23MM6	PM-23MM6	23MM	2	1-1/2	1-1/2	5/8
P-24MM6	D-24MM6	SF-24MM6	FL-24MM6	PM-24MM6	24MM	2	1-1/2	1-1/2	5/8
P-25MM6	D-25MM6	SF-25MM6	FL-25MM6	PM-25MM6	25MM	2	1-1/2	1-1/2	5/8
P-26MM6	D-26MM6	SF-26MM6	FL-26MM6	PM-26MM6	26MM	2	1-5/8	1-5/8	5/8
P-27MM6	D-27MM6	SF-27MM6	FL-27MM6	PM-27MM6	27MM	2	1-5/8	1-5/8	11/16
P-28MM6	D-28MM6	SF-28MM6	FL-28MM6	PM-28MM6	28MM	2.25	1-3/4	1-3/4	3/4
P-29MM6	D-29MM6	SF-29MM6	FL-29MM6	PM-29MM6	29MM	2.25	1-3/4	1-3/4	3/4
P-30MM6	D-30MM6	SF-30MM6	FL-30MM6	PM-30MM6	30MM	2.25	1-3/4	1-3/4	3/4
P-32MM6	D-32MM6	SF-32MM6	FL-32MM6	PM-32MM6	32MM	2.25	2	2	13/16
P-33MM6	D-33MM6	SF-33MM6	FL-33MM6	PM-33MM6	33MM	2.25	2	2	13/16
P-34MM6	D-34MM6	SF-34MM6	FL-34MM6	PM-34MM6	34MM	2.25	2	2	13/16
P-35MM6	D-35MM6	SF-35MM6	FL-35MM6	PM-35MM6	35MM	2.25	2	2	7/8
P-36MM6	D-36MM6	SF-36MM6	FL-36MM6	PM-36MM6	36MM	2.25	2	2	15/16

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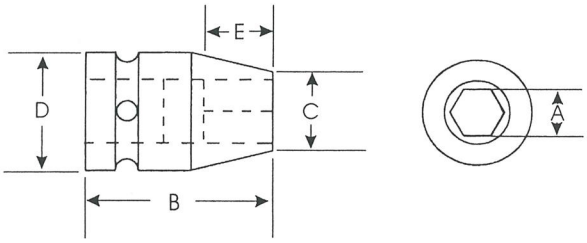
1" DRIVE SOCKETS FOR SAE FASTENERS



					A	B	C	D	E
SINGLE HEX	DOUBLE HEX	SURFACE DRIVE	FAST LEAD	SOLID MAGNET	HEX SIZE	STD. LGTH.	NOSE DIAM.	DRIVE DIAM.	BROACH DEPTH
P-248	D-248	SF-248	FL-248	PM-248	3/4	2.12	1-5/16	2	13/16
P-268	D-268	SF-268	FL-268	PM-268	13/16	2.12	1-1/2	2	13/16
P-288	D-288	SF-288	FL-288	PM-288	7/8	2.12	1-1/2	2	13/16
P-288T	D-288T	SF-288T	FL-288T	PM-288T	7/8	2/12	1-7/16	1-7/8	13/16
P-308	D-308	SF-308	FL-308	PM-308	15/16	2.12	1-1/2	2	13/16
P-308T	D-308T	SF-308T	FL-308T	PM-308T	15/16	2.12	1-7/16	1-7/8	13/16
P-328	D-328	SF-328	FL-328	PM-328	1	2.12	1-5/8	2	13/16
P-328T	D-328T	SF-328T	FL-328T	PM-328T	1	2.12	1-1/2	1-7/8	13/16
P-348	D-348	SF-348	FL-348	PM-348	1-1/16	2.12	1-3/4	2	13/16
P-348T	D-348T	SF-348T	FL-348T	PM-348T	1-1/16	2.12	1-9/16	1-7/8	13/16
P-368	D-368	SF-368	FL-368	PM-368	1-1/8	2.12	1-3/4	2	13/16
P-368T	D-368T	SF-368T	FL-368T	PM-368T	1-1/8	2/12	1-5/8	1-7/8	13/16
P-388	D-388	SF-388	FL-388	PM-388	1-3/16	2.12	2	2	13/16
P-388T	D-388T	SF-388T	FL-388T	PM-388T	1-3/16	2.12	1-3/4	2	13/16
P-408	D-408	SF-408	FL-408	PM-408	1-1/4	2.12	2	2	13/16
P-408T	D-408T	SF-408T	FL-408T	PM-408T	1-1/4	2.12	1-7/8	2	13/16
P-428	D-428	SF-428	FL-428	PM-428	1-5/16	2.12	2	2	13/16
P-428T	D-428T	SF-428T	FL-428T	PM-428T	1-5/16	2.12	1-7/8	2	13/16
P-448	D-448	SF-448	FL-448	PM-448	1-3/8	2.12	2	2	13/16
P-448T	D-448T	SF-448T	FL-448T	PM-448T	1-3/8	2.12	1-7/8	2	13/16
P-468	D-468	SF-468	FL-468	PM-468	1-7/16	2.25	2	2	15/16
P-488	D-488	SF-488	FL-488	PM-488	1-1/2	2.25	2	2	15/16

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, HOLLOW MAGNETS, THIN WALL, DEEP WELL, ETC.

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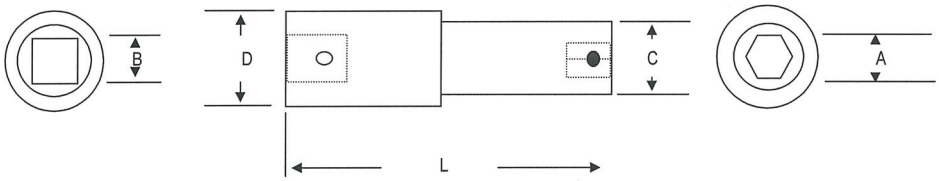
BIT HOLDERS



		A	B	L	C	D	E
PART#	SOLID MAGNET	HEX SIZE	SQUARE DRIVE	LENGTH	NOSE DIA.	DRIVE DIA.	H DEPTH
BH-82	BHM-82	1/4	1/4	1 1/4	1/2	1/2	9/16
BH-83	BHM-83	1/4	3/8	1 1/2	7/16	3/4	9/16
BH-84	BHM-84	1/4	1/2	1 3/4	7/16	7/8	9/16
BH-102	BHM-102	5/16	1/4	1 1/4	1/2	1/2	9/16
BH-103	BHM-103	5/16	3/8	1 1/2	3/4	3/4	9/16
BH-104	BHM-104	5/16	1/2	1 3/4	5/8	15/16	9/16
BH-105	BHM-105	5/16	5/8	2	13/16	1 1/4	9/16
BH-142	BHM-142	7/16	1/4	1 1/4	5/8	5/8	5/8
BH-143	BHM-143	7/16	3/8	1 1/2	3/4	3/4	5/8
BH-144	BHM-144	7/16	1/2	1 3/4	5/8	15/16	5/8
BH-145	BHM-145	7/16	5/8	2	13/16	1 1/4	5/8
BH-203	BHM-203	5/8	3/8	1 1/2	15/16	15/16	11/16
BH-204	BHM-204	5/8	1/2	1 3/4	1	1	11/16
BH-205	BHM-205	5/8	5/8	2	1	1 1/4	11/16
BH-206	BHM-246	5/8	3/4	2 1/2	1 1/4	1 1/2	11/16
BH-244	BHM-244	3/4	1/2	1 3/4	1 1/4	1 1/4	7/8
BH-245	BHM-245	3/4	5/8	2	1 3/8	1 3/8	7/8
BH-246	BHM-246	3/4	3/4	2 1/2	1 1/4	1 1/2	7/8
BH-248	BHM-248	3/4	1	3	1 5/16	2	7/8

BIT HOLDERS ARE ALSO AVAILABLE AS A MALE QUICK CHANGE
BITS ARE AVAILABLE UPON REQUEST: TORX(MALE), MALE SQUARE, TRIPLE SQUARE, SCREW DRIVER TYPE, ETC.
ADDITONAL LENGTS ARE AVAILABLE
BROACH DEPTH WILL DETERMINE THE LENGTH THE BIT STICKS OUT - PLEASE REFERENCE LENGTH NEEDED.

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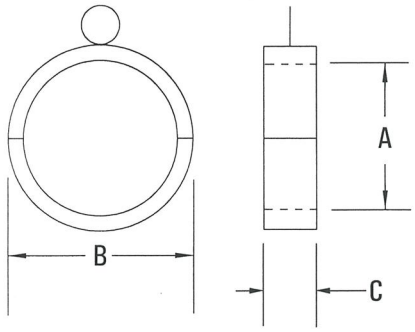
SUSPENSION BAILS

FIXED

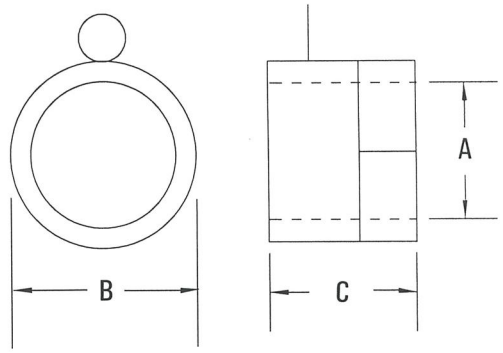


(TOOL DIAMETER)

A

PART#	A	B	C
FB-1	1.0	1.75	1/2
FB-1.125	1.125	1.87	1/2
FB-1.25	1.25	2.06	1/2
FB-1.375	1.375	2.25	9/16
FB-1.5	1.5	2.375	9/16
FB-1.625	1.625	2.625	11/16
FB-1.75	1.75	2.75	11/16
FB-1.875	1.875	2.75	11/16
FB-2	2.0	3.0	11/16
FB-2.125	2.125	3.0	11/16
FB-2.25	2.25	3.25	3/4
FB-2.5	2.5	3.75	7/8
FB-275	2.75	4.0	7/8
FB-3	3.0	4.25	7/8

360° SWIVEL



(TOOL DIAMETER)

A

PART#	A	B	C
SB-1	1.0	1.75	1-1/2
SB-1.125	1.125	1.87	1-1/2
SB-1.25	1.25	2.06	1-1/2
SB-1.375	1.375	2.25	1-3/4
SB-1.5	1.5	2.375	1-3/4
SB-1.625	1.625	2.625	1-7/8
SB-1.75	1.75	2.75	1-7/8
SB-1.875	1.875	2.75	2
SB-2	2.0	3.0	2
SB-2.125	2.125	3.0	2
SB-2.25	2.25	3.25	2-1/8
SB-2.5	2.5	3.75	2-1/4
SB-2.75	2.75	4.0	2-1/4
SB-3	3.0	4.25	2-1/4

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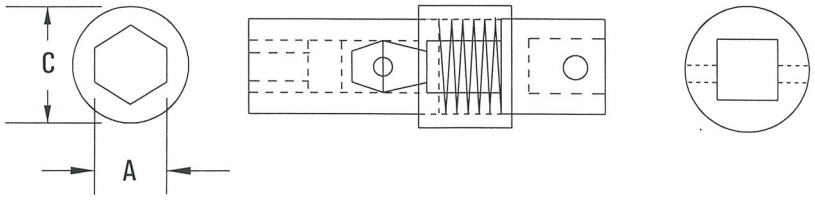
SPRING LOADED
UNIVERSAL WOBBLE SOCKETS FOR SAE AND METRIC FASTENERS
FOR 3/8 SQ. DR.



SAE

PART#	A	C
UWP-103-B	5/16	3/4
UWP-123-B	3/8	3/4
UWP-163-B	1/2	13/16
UWP-183-B	9/16	7/8
UWP-203-B	5/8	1
UWP-223-B	11/16	1
UWP-243-B	3/4	1-1/8
UWP-283-B	7/8	1-1/4
UWP-303-B	15/16	1-3/8
UWP-323-B	1	1-3/8
UWP-363-B	1-1/8	1-1/2
UWP-403-B	1-1/4	1-3/4
UWP-483-B	1-1/2	2

METRIC

PART#	A	C
UWP-8MM3-B	8MM	3/4
UWP-10MM3-B	10MM	3/4
UWP-11MM3-B	11MM	3/4
UWP-12MM3-B	12MM	3/4
UWP-13MM3-B	13MM	13/16
UWP-14MM3-B	14MM	7/8
UWP-15MM3-B	15MM	7/8
UWP-16MM3-B	16MM	1
UWP-17MM3-B	17MM	1
UWP-18MM3-B	18MM	1-1/8
UWP-19MM3-B	19MM	1-1/8
UWP-21MM3-B	21MM	1-1/4
UWP-22MM3-B	22MM	1-1/4
UWP-24MM3-B	24MM	1-1/2
UWP-27MM3-B	27MM	1-5/8

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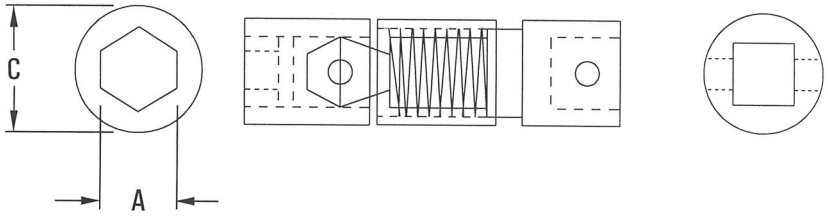
SPRING LOADED
UNIVERSAL WOBBLE SOCKETS FOR SAE AND METRIC FASTENERS FOR 1/2 SQ. DR.



SAE

PART#	A	C
UWP-104-B	5/16	7/8
UWP-124-B	3/8	7/8
UWP-164-B	1/2	7/8
UWP-184-B	9/16	7/8
UWP-204-B	5/8	1
UWP-224-B	11/16	1
UWP-244-B	3/4	1-1/8
UWP-284-B	7/8	1-1/4
UWP-304-B	15/16	1-3/8
UWP-324-B	1	1-3/8
UWP-344-B	1-1/16	1-1/2
UWP-364-B	1-1/8	1-1/2
UWP-404-B	1-1/4	1-3/4
UWP-484-B	1-1/2	2

METRIC

PART#	A	C
UWP-8MM4-B	8MM	7/8
UWP-10MM4-B	10MM	7/8
UWP-11MM4-B	11MM	7/8
UWP-12MM4-B	12MM	7/8
UWP-13MM4-B	13MM	7/8
UWP-14MM4-B	14MM	7/8
UWP-15MM4-B	15MM	7/8
UWP-16MM4-B	16MM	1
UWP-17MM4-B	17MM	1
UWP-18MM4-B	18MM	1-1/8
UWP-19MM4-B	19MM	1-1/8
UWP-21MM4-B	21MM	1-1/4
UWP-22MM4-B	22MM	1-1/4
UWP-24MM4-B	24MM	1-1/2
UWP-27MM4-B	27MM	1-5/8
UWP-30MM4-B	30MM	1-3/4
UWP-36MM4-B	36MM	2

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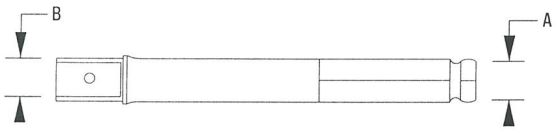
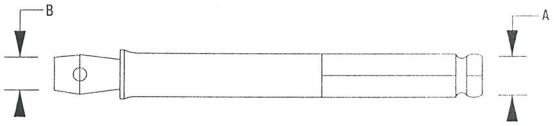
EXTENSIONS - MALE HEX TO MALE SQUARE



PART NUMBER	MALE HEX DRIVE (A)	MALE SQUARE (B)	STANDARD LENGTH
EX-28-4	1/4	1/4	4"
EX-38-4	1/4	3/8	4"
EX-48-4	1/4	1/2	4"
EX-210-4	5/16	1/4	4"
EX-310-4	5/16	3/8	4"
EX-410-4	5/16	1/2	4"
EX-510-4	5/16	5/8	4"
EX-214-6	7/16	1/4	6"
EX-314-6	7/16	3/8	6"
EX-414-6	7/16	1/2	6"
EX-514-6	7/16	5/8	6"
EX-614-6	7/16	3/4	6"
EX-316-6	1/2	3/8	6"
EX-416-6	1/2	1/2	6"
EX-516-6	1/2	5/8	6"
EX-616-6	1/2	3/4	6"
EX-816-6	1/2	1	6"
EX-320-6	5/8	3/8	6"
EX-420-6	5/8	1/2	6"
EX-520-6	5/8	5/8	6"
EX-620-6	5/8	3/4	6"
EX-820-6	5/8	1	6"
EX-324-6	3/4	3/8	6"
EX-424-6	3/4	1/2	6"
EX-524-6	3/4	5/8	6"
EX-624-6	3/4	3/4	6"
EX-824-6	3/4	1	6"

WOBBLE EXTENSIONS



PART NUMBER	MALE HEX DRIVE (A)	MALE SQUARE (B)	STANDARD LENGTH
EXW-314-6	7/16	3/8	6"
EXW-414-6	7/16	1/2	6"
EXW-514-6	7/16	5/8	6"
EXW-316-6	1/2	3/8	6"
EXW-416-6	1/2	1/2	6"
EXW-516-6	1/2	5/8	6"
EXW-320-6	5/8	3/8	6"
EXW-420-6	5/8	1/2	6"
EXW-520-6	5/8	5/8	6"

ANY LENGTH EXTENSION MAY BE ORDERED

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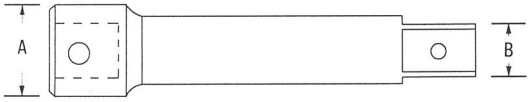
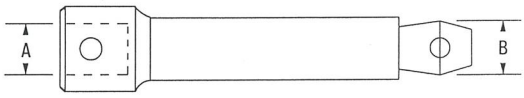
EXTENSIONS - FEMALE SQUARE TO MALE SQUARE



PART NUMBER	FEMALE SQUARE (A)	MALE SQUARE (B)	STANDARD LENGTH
EX-22-4	1/4	1/4	4"
EX-32-4	1/4	3/8	4"
EX-42-4	1/4	1/2	4"
EX-23-6	3/8	1/4	6"
EX-33-6	3/8	3/8	6"
EX-43-6	3/8	1/2	6"
EX-53-6	3/8	5/8	6"
EX-63-6	3/8	3/4	6"
EX-24-6	1/2	1/4	6"
EX-34-6	1/2	3/8	6"
EX-44-6	1/2	1/2	6"
EX-54-6	1/2	5/8	6"
EX-64-6	1/2	3/4	6"
EX-84-6	1/2	1	6"
EX-35-6	5/8	3/8	6"
EX-45-6	5/8	1/2	6"
EX-55-6	5/8	5/8	6"
EX-65-6	5/8	3/4	6"
EX-85-6	5/8	1	6"
EX-46-6	3/4	1/2	6"
EX-56-6	3/4	5/8	6"
EX-66-6	3/4	3/4	6"
EX-86-6	3/4	1	6"
EX-126-6	3/4	1-1/2	6"
EX-68-6	1	3/4	6"
EX-88-6	1	1	6"
EX-128-6	1	1-1/2	6"

WOBBLE EXTENSIONS



PART NUMBER	MALE HEX DRIVE (A)	MALE SQUARE (B)	STANDARD LENGTH
EXW-33-6	3/8	3/8	6"
EXW-43-6	3/8	1/2	6"
EXW-53-6	3/8	5/8	6"
EXW-34-6	1/2	3/8	6"
EXW-44-6	1/2	1/2	6"
EXW-54-6	1/2	5/8	6"
EXW-35-6	5/8	3/8	6"
EXW-45-6	5/8	1/2	6"
EXW-55-6	5/8	5/8	6"

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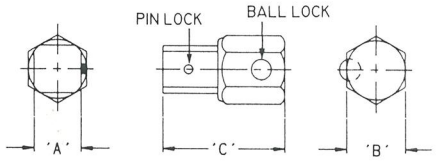
ADAPTERS – MALE SQUARE TO MALE HEX



	A	B	C		A	B	C
PART #	MALE SQUARE	MALE HEX	O. A. L.	PART #	MALE SQUARE	MALE HEX	O. A. L.
A-82	1/4	1/4	25/32	A-6MM2	1/4	6MM	25/32
A-102	1/4	5/16	25/32	A-8MM2	1/4	8MM	25/32
A-122	1/4	3/8	25/32	A-10MM2	1/4	10MM	25/32
A-142	1/4	7/16	25/32	A-12MM2	1/4	12MM	25/32
A-162	1/4	1/2	25/32	A-13MM2	1/4	13MM	25/32
A-182	1/4	9/16	25/32	A-10MM3	3/8	10MM	15/16
A-202	1/4	5/8	25/32	A-12MM3	3/8	12MM	15/16
A-123	3/8	3/8	15/16	A-13MM3	3/8	13MM	15/16
A-143	3/8	7/16	15/16	A-14MM3	3/8	143MM	15/16
A-163	3/8	1/2	15/16	A-15MM3	3/8	15MM	15/16
A-183	3/8	9/16	15/16	A-16MM3	3/8	16MM	15/16
A-203	3/8	5/8	15/16	A-17MM3	3/8	17MM	15/16
A-223	3/8	11/16	15/16	A-18MM3	3/8	18MM	15/16
A-243	3/8	3/4	15/16	A-19MM3	3/8	19MM	15/16
A-263	3/8	13/16	15/16	A-10MM4	1/2	10MM	1-1/8
A-283	3/8	7/8	15/16	A-12MM4	1/2	12MM	1-1/8
A-124	1/2	3/8	1-3/32	A-13MM4	1/2	13MM	1-1/8
A-144	1/2	7/16	1-3/32	A-14MM4	1/2	14MM	1-1/8
A-164	1/2	1/2	1-3/32	A-15MM4	1/2	15MM	1-1/8
A-184	1/2	9/16	1-3/32	A-16MM4	1/2	16MM	1-1/8
A-204	1/2	5/8	1-1/8	A-17MM4	1/2	17MM	1-1/8
A-224	1/2	11/16	1-1/8	A-18MM4	1/2	18MM	1-1/8
A-244	1/2	3/4	1-1/8	A-19MM4	1/2	19MM	1-1/8
A-264	1/2	13/16	1-1/8	A-21MM4	1/2	21MM	1-1/8
A-284	1/2	7/8	1-1/8	A-22MM4	1/2	22MM	1-1/8
A-304	1/2	15/16	1-1/8	A-24MM4	1/2	24MM	1-1/8
A-324	1/2	1	1-1/8	A-13MM5	5/8	13MM	1-1/4
A-344	1/2	1-1/16	1-1/8	A-15MM5	5/8	15MM	1-1/4
A-364	1/2	1-1/8	1-1/8	A-18MM5	5/8	18MM	1-1/4
A-404	1/2	1-1/4	1-1/8	A-24MM5	5/8	24MM	1-1/4
A-206	3/4	5/8	1-1/8	A-27MM5	5/8	27MM	1-1/4
A-246	3/4	3/4	1-1/8	A-30MM5	5/8	30MM	1-1/4
A-286	3/4	7/8	1-1/8	A-18MM6	3/4	18MM	1-3/8
A-326	3/4	1	1-1/8	A-24MM6	3/4	24MM	1-3/8
A-406	3/4	1-1/4	1-1/8	A-27MM6	3/4	27MM	1-3/8
A-486	3/4	1-1/2	1-1/8	A-30MM6	3/4	30MM	1-3/8
A-328	1	1	1-1/2	A-36MM6	3/4	36MM	1-3/8
A-488	1	1-1/2	1-1/2	A-36MM6	3/4	36MM	1-3/8

ADDITIONAL SIZES AVAILABLE

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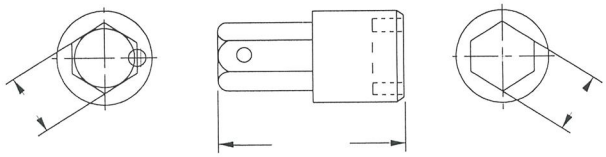
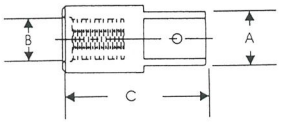
ADAPTERS – MALE HEX TO FEMALE HEX – SAE & METRIC



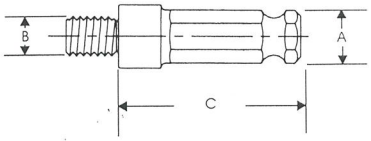
	A	B	C		A	B	C
PART #	MALE HEX	FEMALE HEX	O. A. L.	PART #	MALE HEX	FEMALE HEX	O. A. L.
A-1012	3/8	5/16	13/16	A-8M10MM	10MM	8MM	13/16
A-1212	3/8	3/8	7/8	A-10M10MM	10MM	10MM	7/8
A-1412	3/8	7/16	15/16	A-12M10MM	10MM	12MM	15/16
A-1612	3/8	1/2	15/16	A-13M10MM	10MM	13MM	1
A-1812	3/8	9/16	1	A-15M10MM	10MM	15MM	1
A-2012	3/8	5/8	1	A-10M13MM	13MM	10MM	15/16
A-1214	7/16	3/8	15/16	A-12M13MM	13MM	12MM	1
A-1414	7/16	7/16	15/16	A-13M13MM	13MM	13MM	1
A-1614	7/16	1/2	1	A-15M13MM	13MM	15MM	1
A-1814	7/16	9/16	1	A-16M13MM	13MM	16MM	1-1/8
A-2014	7/16	5/8	1	A-17M13MM	13MM	17MM	1-1/4
A-1216	1/2	3/8	15/16	A-18M13MM	13MM	18MM	1-1/4
A-1416	1/2	7/16	15/16	A-19M13MM	13MM	19MM	1-1/4
A-1616	1/2	1/2	1	A-21M13MM	13MM	21MM	1-1/4
A-1816	1/2	9/16	1	A-10M15MM	15MM	10MM	15/16
A-2016	1/2	5/8	1-1/8	A-12M15MM	15MM	12MM	1
A-2216	1/2	11/16	1-1/4	A-13M15MM	15MM	13MM	1
A-2416	1/2	3/4	1-1/4	A-15M15MM	15MM	15MM	1
A-1418	9/16	7/16	15./16	A-16M15MM	15MM	16MM	1-1/8
A-1618	9/16	1/2	1	A-17M15MM	15MM	17MM	1-1/4
A-1818	9/16	9/16	1	A-18M15MM	15MM	18MM	1-1/4
A-2018	9/16	5/8	1-1/8	A-19M15MM	15MM	18MM	1-1/4
A-2218	9/16	11/16	1-1/4	A-21M15MM	15MM	21MM	1-1/4
A-2418	9/16	3/4	1-1/4	A-24M15MM	15MM	24MM	1-3/8

ADAPTERS CAN BE FURNISHED WITH 12 PT. OR SURFACE DRIVE HEX



	A	B	C
PART #	MALE SQUARE	FEMALE THREAD	O. A. L.
TA-12-242	1/4	3/8-24	1-1/4
TA-12-243	3/8	3/8-24	1-1/2
TA-12-244	1/2	3/8-24	1-3/4
TA-16-203	3/8	1/2-20	1-3/4
TA-16-204	1/2	1/2-20	2

THREADED ADAPTERS



	A	B	C
PART #	MALE	MALE	O. A. L.
TA-12-248	1/4	3/8-24	1-1/2
TA-12-2412	3/8	3/8-24	1-3/4
TA-12-2416	1/2	3/8-24	2
TA-16-2012	3/8	1/2-20	2
TA-16-2016	1/2	1/2-20	2-1/4

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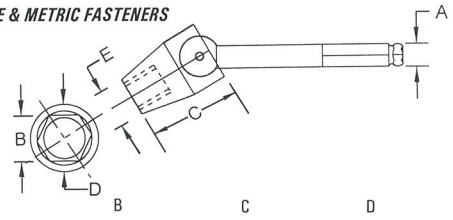
HEX DRIVE UNIVERSALS FOR SAE & METRIC FASTENERS



STD. TYPE	TENSION TYPE	HEX DRIVE A	HEX SIZE B	SOCKET LENGTH C	SOCKET DIAMETER D	NOSE DIAMETER E
UP-88	UPS-88	1/4	1/4	3/4	5/8	3/8
UP-108	UPS-108	1/4	5/16	3/4	5/8	7/16
UP-128	UPS-128	1/4	3/8	13/16	5/8	5/8
UP-148	UPS-148	1/4	7/16	7/8	11/16	11/16
UP-168	UPS-168	1/4	1/2	1	13/16	13/16
UP-810	UPS-810	5/16	1/4	3/4	5/8	3/8
UP-1010	UPS-1010	5/16	5/16	3/4	5/8	7/16
UP-1210	UPS-1210	5/16	3/8	13/16	5/8	5/8
UP-1410	UPS-1410	5/16	7/16	7/8	11/16	11/16
UP-1610	UPS-1610	5/16	1/2	1	13/16	13/16
UP-1810	UPS-1810	5/16	9/16	1	7/8	7/8
UP-2010	UPS-2010	5/16	5/8	1-1/8	15/16	15/16
UP-1214	UPS-1214	7/16	3/8	13/16	5/8	5/8
UP-1414	UPS-1414	7/16	7/16	7/8	11/16	11/16
UP-1614	UPS-1614	7/16	1/2	1	13/16	13/16
UP-1814	UPS-1814	7/16	9/16	1	7/8	7/8
UP-2014	UPS-2014	7/16	5/8	1-1/8	15/16	15/16
UP-2214	UPS-2214	7/16	11/16	1-1/4	1	1
UP-2414	UPS-2414	7/16	3/4	1-1/4	1-1/8	1-1/8
UP-2614	UPS-2614	7/16	13/16	1-3/8	1-1/8	1-1/8
UP-2814	UPS-2814	7/16	7/8	1-3/8	1-1/4	1-1/4
UP-3014	UPS-3014	7/16	15/16	1-3/8	1-3/8	1-3/8
UP-3214	UPS-3214	7/16	1	1-1/2	1-1/2	1-1/2
UP-1820	UPS-1820	5/8	9/16	1	7/8	7/8
UP-2020	UPS-2020	5/8	5/8	1-1/8	15/16	15/16
UP-2220	UPS-2220	5/8	11/16	1-1/4	1	1
UP-2420	UPS-2420	5/8	3/4	1-1/4	1-1/8	1-1/8
UP-2620	UPS-2620	5/8	13/16	1-3/8	1-1/8	1-1/8
UP-2820	UPS-2820	5/8	7/8	1-3/8	1-1/4	1-1/4
UP-3020	UPS-3020	5/8	15/16	1-3/4	1-3/8	1-3/8
UP-3220	UPS-3220	5/8	1	1-3/4	1-1/2	1-1/2
UP-3420	UPS-3420	5/8	1-1/16	2	1-1/2	1-1/2
UP-3620	UPS-3620	5/8	1-1/8	2	1-3/4	1-3/4
UP-4020	UPS-4020	5/8	1-1/4	2	1-3/4	1-3/4
UP-4420	UPS-4420	5/8	1-3/8	2	2	2
UP-4820	UPS-4820	5/8	1-1/2	2	2	2

UNIVERSALS CAN BE ORDERED TO YOUR SPECIFICATIONS (SUCH AS VARIOUS LENGTHS, 12 PT., SURFACE DRIVE ETC.

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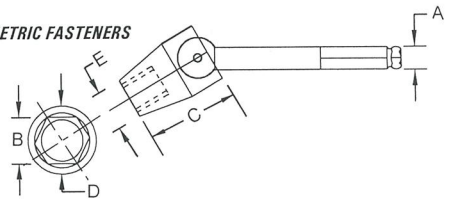
HEX DRIVE UNIVERSALS FOR SAE & METRIC FASTENERS



		A	B	C	D	E
STD. TYPE	TENSION TYPE	HEX DRIVE	HEX SIZE	SOCKET LENGTH	SOCKET DIAMETER	NOSE DIAMETER
UP-8MM8	UPS-8MM8	1/4	8MM	3/4	5/8	7/16
UP-10MM8	UPS-10MM8	1/4	10MM	13/16	11/16	11/16
UP-12MM8	UPS-12MM8	1/4	12MM	13/16	3/4	3/4
UP-13MM8	UPS-13MM8	1/4	13MM	1	7/8	7/8
UP-14MM8	UPS-14MM8	1/4	14MM	1	7/8	7/8
UP-8MM10	UPS-8MM10	5/16	8MM	3/4	5/8	7/16
UP-10MM10	UPS-10MM10	5/16	10MM	13/16	11/16	11/16
UP-12MM10	UPS-12MM10	5/16	12MM	13/16	3/4	3/4
UP-13MM10	UPS-13MM10	5/16	13MM	1	7/8	7/8
UP-14MM10	UPS-14MM10	5/16	14MM	1	7/8	7/8
UP-15MM10	UPS-15MM10	5/16	15MM	1-1/8	7/8	7/8
UP-10MM14	UPS-10MM14	7/16	10MM	13/16	11/16	11/16
UP-12MM14	UPS-12MM14	7/16	12MM	13/16	3/4	3/4
UP-13MM14	UPS-13MM14	7/16	13MM	1	7/8	7/8
UP-14MM14	UPS-14MM14	7/16	14MM	1	7/8	7/8
UP-15MM14	UPS-15MM14	7/16	15MM	1-1/8	7/8	7/8
UP-16MM14	UPS-16MM14	7/16	16MM	1-1/8	1	1
UP-17MM14	UPS-17MM14	7/16	17MM	1-1/4	1	1
UP-18MM14	UPS-18MM14	7/16	18MM	1-1/8	1-1/8	1-1/8
UP-19MM14	UPS-19MM14	7/16	19MM	1-1/4	1-1/8	1-1/8
UP-21MM14	UPS-21MM4	7/16	21MM	1-3/8	1-1/4	1-1/4
UP-22MM14	UPS-22MM14	7/16	22MM	1-3/8	1-1/4	1-1/4
UP-24MM14	UPS-24MM14	7/16	24MM	1-3/8	1-3/8	1-3/8
UP-14MM20	UPS-14MM20	5/8	14MM	1	7/8	7/8
UP-15MM20	UPS-15MM20	5/8	15MM	1-1/8	7/8	7/8
UP-16MM20	UPS-16MM20	5/8	16MM	1-1/8	1	1
UP-17MM20	UPS-17MM20	5/8	17MM	1-1/4	1	1
UP-18MM20	UPS-18MM20	5/8	18MM	1-1/4	1-1/8	1-1/8
UP-19MM20	UPS-19MM20	5/8	19MM	1-1/4	1-1/8	1-1/8
UP-21MM20	UPS-21MM20	5/8	21MM	1-3/8	1-1/4	1-1/4
UP-22MM20	UPS-22MM20	5/8	22MM	1-3/4	1-1/4	1-1/4
UP-24MM20	UPS-24MM20	5/8	24MM	1-3/8	1-3/8	1-3/8
UP-27MM20	UPS-27MM20	5/8	27MM	2	1-1/2	1-1/2
UP-30MM20	UPS-30MM20	5/8	30MM	2	1-3/4	1-3/4
UP-33MM20	UPS-33MM20	5/8	33MM	2-1/8	1-3/4	1-3/4
UP-36MM20	UPS-36MM20	5/8	36MM	2-1/8	2	2

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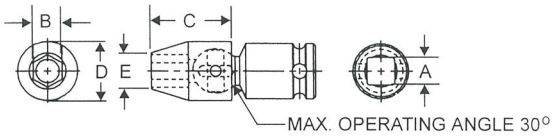
SQUARE DRIVE UNIVERSALS FOR SAE & METRIC FASTENERS



		A	B	C	D	E
STD. TYPE	TENSION TYPE	SQUARE DRIVE	HEX SIZE	SOCKET LENGTH	SOCKET DIAMETER	NOSE DIAMETER
UP-82	UPS-82	1/4	1/4	3/4	5/8	3/8
UP-102	UPS-102	1/4	5/16	3/4	5/8	7/16
UP-122	UPS-122	1/4	3/8	13/16	5/8	5/8
UP-142	UPS-142	1/4	7/16	7/8	11/16	11/16
UP-83	UPS-83	3/8	1/4	3/4	5/8	5/8
UP-103	UPS-103	3/8	5/16	3/4	5/8	7/16
UP-123	UPS-123	3/8	3/8	13/16	5/8	5/8
UP-143	UPS-143	3/8	7/16	7/16	7/8	11/16
UP-163	UPS-163	3/8	1/2	1	13/16	13/16
UP-183	UPS-183	3/8	9/16	1	7/8	7/8
UP-203	UPS-203	3/8	5/8	1-1/8	15/16	15/16
UP-223	UPS-223	3/8	11/16	1-1/4	1	1
UP-243	UPS-243	3/8	3/4	1-1/4	1-1/8	1-1/8
UP-124	UPS-124	1/2	3/8	13/16	5/8	0.625
UP-144	UPS-144	1/2	7/16	7/8	11/16	11/16
UP-164	UPS-164	1/2	1/2	1	13/16	13/16
UP-184	UPS-184	1/2	9/16	1	7/8	7/8
UP-204	UPS-204	1/2	5/8	1-1/8	15/16	15/16
UP-224	UPS-224	1/2	11/16	1-1/4	1	1
UP-244	UPS-244	1/2	3/4	1-1/4	1-1/8	1-1/8
UP-264	UPS-264	1/2	13/16	1-3/8	1-1/8	1-1/8
UP-284	UPS-284	1/2	7/8	1-3/8	1-1/4	1-1/4
UP-185	UPS-185	5/8	9/16	1-1/4	1-1/4	1
UP-205	UPS-205	5/8	5/8	1-1/4	1-1/4	1
UP-225	UPS-225	5/8	11/16	1-1/4	1-1/4	1
UP-245	UPS-245	5/8	3/4	1-3/8	1-1/4	1-1/4
UP-265	UPS-265	5/8	13/16	1-3/8	1-1/4	1-1/4
UP-285	UPS-285	5/8	7/8	1-3/8	1-1/4	1-1/4
UP-305	UPS-305	5/8	15/16	1-3/8	1-3/8	1-3/8
UP-325	UPS-325	5/8	1	1-1/2	1-1/2	1-1/2
UP-306	UPS-306	3/4	15/16	1-3/4	1-3/8	1-3/8
UP-326	UPS-326	3/4	1	1-3/4	1-1/2	1-1/2
UP-346	UPS-346	3/4	1-1/16	2	1-1/2	1-1/2
UP-366	UPS-366	3/4	1-1/8	2	1-1/2	1-1/2
UP-406	UPS-406	3/4	1-1/4	2	1-3/4	1-3/4
UP-486	UPS-486	3/4	1-1/2	2	2	2

UNIVERSALS CAN BE FURNISHED WITH 12 PT. HEX, SURFACE DRIVE, AND VARIOUS LENGTHS.

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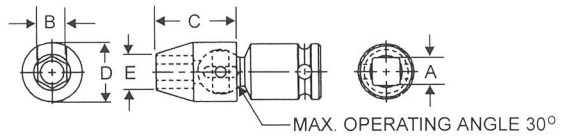
SQUARE DRIVE UNIVERSALS FOR SAE & METRIC FASTENERS



		A	B	C	D	E
STD. TYPE	TENSION TYPE	SQUARE DRIVE	HEX SIZE	SOCKET LENGTH	SOCKET DIAMETER	NOSE DIAMETER
UP-8MM2	UPS-8MM2	1/4	8MM	3/4	5/8	7/16
UP-10MM2	UPS-10MM2	1/4	10MM	13/16	11/16	11/16
UP-12MM2	UPS-12MM2	1/4	12MM	13/16	3/4	3/4
UP-13MM2	UPS-13MM2	1/4	13MM	1	7/8	7/8
UP-8MM3	UPS-8MM3	3/8	8MM	3/4	5/8	7/16
UP-10MM3	UPS-10MM3	3/8	10MM	13/16	11/16	11/16
UP-12MM3	UPS-12MM3	3/8	12MM	13/16	3/4	3/4
UP-13MM3	UPS-13MM3	3/8	13MM	1	7/8	7/8
UP-14MM3	UPS-14MM3	3/8	14MM	1	7/8	7/8
UP-15MM3	UPS-15MM3	3/8	15MM	1-1/8	7/8	7/8
UP-16MM3	UPS-16MM3	3/8	16MM	1-1/8	1	1
UP-17MM3	UPS-17MM3	3/8	17MM	1-1/4	1	1
UP-18MM3	UPS-18MM3	3/8	18MM	1-1/4	1-1/8	1-1/8
UP-19MM3	UPS-19MM3	3/8	19MM	1-1/4	1-1/8	1-1/8
UP-12MM4	UPS-12MM4	1/2	12MM	13/16	11/16	11/16
UP-13MM4	UPS-13MM4	1/2	13MM	1	7/8	7/8
UP-14MM4	UPS-14MM4	1/2	14MM	1	7/8	7/8
UP-15MM4	UPS-15MM4	1/2	15MM	1-1/8	7/8	7/8
UP-16MM4	UPS-16MM4	1/2	16MM	1-1/8	1	1
UP-17MM4	UPS-17MM4	1/2	17MM	1-1/4	1	1
UP-18MM4	UPS-18MM4	1/2	18MM	1-1/4	1-1/8	1-1/8
UP-19MM4	UPS-19MM4	1/2	19MM	1-1/4	1-1/8	1-1/8
UP-21MM4	UPS-21MM4	1/2	21MM	1-3/8	1-1/4	1-1/4
UP-22MM4	UPS-22MM4	1/2	22MM	1-3/8	1-1/4	1-1/4
UP-16MM5	UPS-16MM5	5/8	16MM	1-1/8	1	1
UP-17MM5	UPS-17MM5	5/8	17MM	1-1/8	1	1
UP-18MM5	UPS-18MM5	5/8	18MM	1-1/4	1-1/8	1-1/8
UP-19MM5	UPS-19MM5	5/8	19MM	1-1/4	1-1/8	1-1/8
UP-21MM5	UPS-21MM5	5/8	21MM	1-3/8	1-1/4	1-1/4
UP-22MM5	UPS-22MM5	5/8	22MM	1-3/8	1-1/4	1-1/4
UP-24MM5	UPS-24MM5	5/8	24MM	1-3/8	1-3/8	1-3/8
UP-24MM6	UPS-24MM6	3/4	24MM	1-3/8	1-3/8	1-3/8
UP-27MM6	UPS-27MM6	3/4	27MM	2	1-1/2	1-1/2
UP-30MM6	UPS-30MM6	3/4	30MM	2	1-3/4	1-3/4
UP-33MM6	UPS-33MM6	3/4	33MM	2-1/8	1-3/4	1-3/4
UP-36MM6	UPS-36MM6	3/4	36MM	2-1/8	2	2

ALL UNIVERSALS CAN BE FURNISHED WITH A 12 PT. HEX, SURFACE DRIVE, AND VARIOUS LENGTHS.

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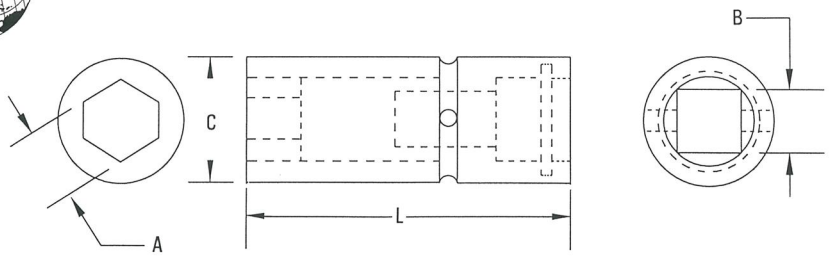
ERGO-DRIVE SOCKETS FOR PULSE TOOLS



S. A. E. METRIC

PART #	HEX A	SQUARE B	DIAM. C	PART #	HEX A	SQUARE B	DIAM. C
9P-103-L	5/16	3/8	3/4	9P-8MM3-L	8MM	3/8	3/4
9P-123-L	3/8	3/8	3/4	9P-10MM3-L	10MM	3/8	3/4
9P-163-L	1/2	3/8	13/16	9P-13MM3-L	13MM	3/8	13/16
9P-183-L	9/16	3/8	7/8	9P-14MM3-L	14MM	3/8	7/8
9P-203-L	5/8	3/8	15/16	9P-15MM3-L	15MM	3/8	7/8
9P-243-L	3/4	3/8	1-1/8	9P-18MM3-L	18MM	3/8	1-1/8
9P-164-L	1/2	1/2	15/16	9P-13MM4-L	13MM	1/2	15/16
9P-184-L	9/16	1/2	15/16	9P-14MM4-L	14MM	1/2	15/16
9P-204-L	5/8	1/2	15/16	9P-15MM4-L	15MM	1/2	15/16
9P-244-L	3/4	1./2	1-1/8	9P-18MM4-L	18MM	1/2	1-1/8
9P-284-L	7/8	1/2	1-3/8	9P-22MM4-L	22MM	1/2	1-3/8
9P-304-L	15/16	1/2	1-1/2	9P-24MM4-L	24MM	1/2	1-1/2
9P-246-L	3/4	3/4	1-1/2	9P-19MM6-L	19MM	3/4	1-1/2
9P-286-L	7/8	3/4	1-1/2	9P-22MM6-L	22MM	3/4	1-1/2
9P-306-L	15/16	3/4	1-1/2	9P-24MM6-L	24MM	3/4	1-1/2
9P-326-L	1	3/4	1-1/2	9P-27MM6-L	27MM	3/4	1-5/8
9P-346-L	1-1/16	3/4	1-5/8	9P-30MM6-L	30MM	3/4	1-3/4
9P-348-L	1-1/16	1	2	9P-27MM8-L	27MM	1	2
9P-368-L	1-1/8	1	2	9P-30MM8-L	30MM	1	2
9P-408-L	1-1/4	1	2	9P-32MM8-L	32MM	1	2
9P-488-L	1-1/2	1	2	9P-36MM8-L	36MM	1	2

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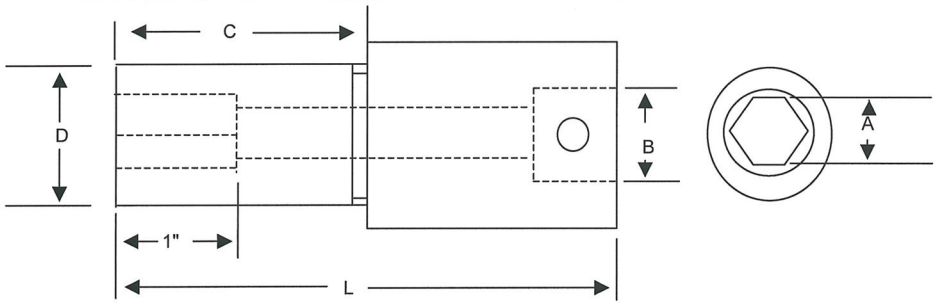
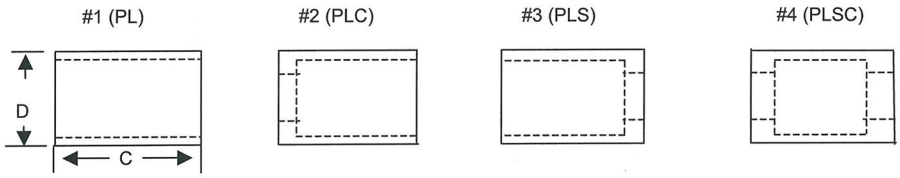
ANTI MAR LUG NUT SOCKETS



NYLON ANTI-MAR SLEEVE STYLES



#1 PRESS ON SLEEVE
#2 PRESS ON SLEEVE THAT COVERS NOSE OF THE SOCKET
#3 FREE SPINNING SLEEVE
#4 FREE SPINNING SLEEVE THAT ALSO COVERS NOSE OF THE SOCKET
* STANDARD BROACH DEPTH IS 1"

PART NUMBER	A HEX	B SQUARE	L LENGTH STANDARD	C STANDARD	D STANDARD
SF-17MM4-LPLC	17MM	1/2"	3 1/4"	2"	1 1/8"
SF-19MM4-LPLC	19MM	1/2"	3 1/4"	2"	1 1/4"
SF-19MM5-LPLC	19MM	5/8"	3 1/2"	2"	1 1/4"
SF-21MM5-LPLC	21MM	5/8"	3 1/2"	2"	1 1/4"
SF-19MM6-LPLC	19MM	3/4"	4"	2 1/2"	1 1/4"
SF-21MM6-LPLC	21MM	3/4"	4"	2 1/2"	1 3/8"
SF-22MM6-LPLC	22MM	3/4"	4"	2 1/2"	1 /12"

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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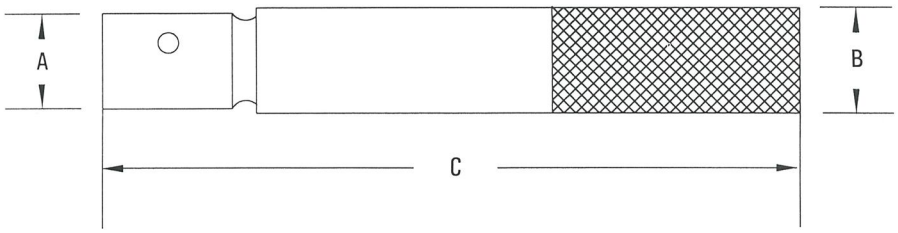
THE INTERCHANGEABLE DRIVE ENDS OFFERED IN THIS CATALOGUE ARE EASILY REMOVED FOR REPLACEMENT AS REQUIRED.

SETTING ACCURATE TORQUE VALUES IS QUICKLY PERFORMED BY YOUR PERSONNEL. WHEN YOUR PRE-SET TORQUE VALUE IS REACHED A "CLICK" IS HEARD, ALONG WITH A RELAXING OF DRIVE FORCE, TO ALERT THE OPERATOR THAT THE DESIRED TORQUE HAS BEEN REACHED.

THERE ARE SEVERAL MODELS TO CHOOSE FROM AS SHOWN IN THE CHART BELOW, AS WELL AS SEVERAL HUNDRED DRIVE ENDS AS DETAILED IN THE CATALOGUE.



MODEL	TORQUE FT. LB.	A"	B"	C"	WEIGHT
5T	1-5	11/16	5/8	6	6 OZ
10T	3-9	11/16	13/16	6	11 OZ
10ST	7-25	11/16	13/16	6-1/8	12 OZ
10AT	7-25	11/16	13/16	7	13 OZ
50T	10-50	11/16	13/16	11	1.3 LBS

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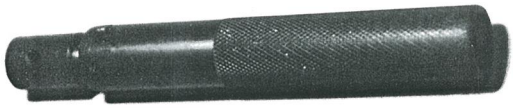


FLARE NUT DRIVE

T Q WRENCH	TORQUE
5T	1-5 FT LBS
10T	3-9 FT LBS
10ST	7-25 FT LBS
10AT	7-25 FT LBS
50T	10-50 FT LBS
100T	45-150 FT LBS
200T	45-200 FT LBS
300T	100-300 FT LBS

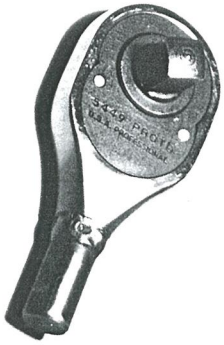
J SHANK	OPENING
RJC-6	3/8
RJC-7	7/16
RJC-7M	7M
RJC-8	1/2
RJC-8M	8M
RJC-9	9/16
RJC-9M	9M
RJC-10	5/8
RJC-10M	10M
RJC11	11/16
RJC-11M	11M
RJC-12	3/4
RJC-12M	12M
RJC-13M	13M
RJC-14	7/8
RJC-14M	14M
RJC-15M	15M
RJC-16	1
RJC-16M	16M
RJC-17M	17M
RJC-18	1-1/8
RJC-18M	18M
RJC-19M	19M
RJC-20M	20M
RJC-21M	21M

RATCHET DRIVE

J SHANK	SIZE
RJD-4	1/4
RJD-6	3/8
RJD-8	1/2

Y SHANK	SIZE
RYD-8	1/2
RYD-12	3/4

X SHANK	SIZE
RXD-8	1/2
RXD-12	3/4
RZD-16	1



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RATCHET OPEN END DRIVE

J SHANK	OPENING
RJF-6	3/8
RJF-6M	6M
RJF-7	7/16
RJF-7M	7M
RJF-8	8M
RJF-8M	8M
RJF-9	9/16
RJF-9M	9M
RJF-10	5/8
RJF-10M	10M
RJF-11	11/16
RJF-12	3/4
RJF-12M	12M
RJF-13	13/16
RJF-14	7/8
RJF-14M	14M
RJF-15	15/16
RJF-15M	15M
RJF-16	1
RJF-16M	16M
RJF-17	1-1/16
RJF-17M	17M
RJF-18	1-1/8
RJF-18M	18M
RJF-19M	19M
RJF-20	1-1/4
RJF-20M	20M
RJF-21	1-5/16
RJF-21M	21M
RJF-22	1-3/8
RJF– 22M	22M
RJF-23M	23M
RJF-24M	24M
RJF-25M	25M
RJF-26M	26M
RJF-27M	27M
RJF-30M	30M
RJF-32M	32M
RJF-36M	36M

RATCHET OPEN END DRIVE

Y SHANK	OPENING
RYF-8	1/2
RYF-9	9/16
RYF-10	5/8
RYF-11	11/16
RYF-12	3/4
RYF-12M	12MM
RYF-13	13/16
RYF-13M	13MM
RYF-14	7/8
RYF-14M	14MM
RYF-15	15/16
RYF-15M	15MM
RYF-16	1
RYF-16M	16MM
RYF-17	1-1/16
RYF-17M	17MM
RYF-18	1-1/8
RYF-18M	18MM
RYF-19M	19MM
RYF-20	1-1/4
RYF-20M	20MM
RYF-21	1-15/16
RYF-21M	21MM
RYF-22	1-3/8
RYF-22M	22M
RYF-23M	23MM
RYF-24M	24MM
RYF-25M	25MM
RYF-26M	26MM
RYF-27M	27MM
RYF-30M	30MM
RYF-32M	32MM
RYF-36M	36MM

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H. D. "U" BOTTOM

J SHANK	OPENING
RJUH-6	3/8
RJUH-7	7/16
RJUH-8	1/2
RJUH-9	9/16
RJUH-10	5/8
RJUH-11	11/16
RJUH-12	3/4
RJUH-14	7/8
RJUH-17	1-1/16
RJUH-17M	17M
RJUH-18	1-1/8
RJUH-18M	18M
RJUH-19M	19M
RJUH-20	1-1/4
RJUH-20M	20M
RJUH-21M	21M
RJUH-22M	22M

OPEN END "U" BOTTOM

Y SHANK	OPENING
RYUE-10	5/8
RYUE-11	11/16
RYUE-12	3/4
RYUE-13	13/16
RYUE-14	7/8
RYUE-15	15/16
RYUE-16	1
RYUE-17	1-1/16
RYUE-18	1-1/8
RYUE-19	1-3/16
RYUE-20	1-1/4
RYUE-21	1-5/16
RYUE-22	1-3/8
RYUE-24	1-1/2
RYUE-25	1-9/16
RYUE-26	1-5/8
RYUE-27	1-11/16
RYUE-28	1-3/4
RYUE-29	1-13/16
RYUE-30	1-7/8
RYUE-31	1-15/16
RYUE-32	2
RYUE-33	1-1/16
RYUE-34	2-1/8
RYUE-35	2-3/16
RYUE-36	2-1/4

OPEN END "U" BOTTOM

J SHANK	OPENING
RJUE-4	1/4
RJUE-5	5/16
RJUE-6	3/8
RJUE-6M	6M
RJUE-7	7/16
RJUE-7M	7M
RJUE-8	1/2
RJUE-8M	8M
RJUE-9	9/16
RJUE-9M	9M
RJUE-10	5/8
RJUE-10M	10M
RJUE-11	11/16
RJUE-11M	11M
RJUE-12	3/4
RJUE-12	12M
RJUE-13	13/16
RJUE-13M	13M
RJUE-14	7/8
RJUE-14M	14M
RJUE-15	15/16
RJUE-15M	15M
RJUE-16	1
RJUE-16M	16M
RJUE-17	1-1/16
RJUE-17M	17M
RJUE-18	1-1/8
RJUE-18M	18M
RJUE-19	1-3/16
RJUE-19M	19M
RJUE-20	1-1/4
RJUE-20M	20M
RJUE-21	1-5/16
RJUE-21M	21M
RJUE-22	1-3/8
RJUE-22M	22M
RJUE-24	1-1/2
RJUE-24M	24M
RJUE-25	1-9/16
RJUE-26	1-5/8
RJUE-27	1-11/16
RJUE-27M	27M
RJUE-28	1-3/4
RJUE-28M	28M
RJUE-29	1-13/16
RJUE-30	1-7/8
RJUE-30M	30M

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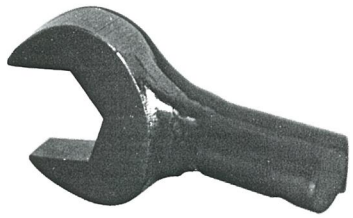
OPEN END DRIVE

J SHANK	OPENING
RJE-4	1/4
RJE-5	5/16
RJE-6	3/8
RJE-6M	6M
RJE-7	7/16
RJE-7M	7M
RJE-8	1/2
RJE-8M	8M
RJE-9	9/16
RJE-9M	9M
RJE-10	5/8
RJE-10M	10M
RJE-11	11/16
RJE-11M	11M
RJE-12	3/4
RJE-12M	12M
RJE-13	13/16
RJE-13M	13M
RJE-14	7/8
RJE-14M	14M
RJE-15	15/16
RJE-15M	15M
RJE-16	1
RJE-16M	16M
RJE-17	1-1/16
RJE-17M	17M
RJE-18	1-1/18
RJE-18M	18M
RJE-19M	19M
RJE-20	1-1/14
RJE-20M	20M
RJE-21	1-5/16
RJE-21M	21M
RJE-22	1-3/8
RJE-22M	22M
RJE-23M	23M
RJE-24M	24M
RJE-25M	25M
RJE-26M	26M
RJE-27M	27M
RJE-30M	30M
RJE-32M	32M
RJE-36M	36M

OPEN END DRIVE

Y SHANK	OPENING
RYE-8	1/2
RYE-9	9/16
RYE-10	5/8
RYE-11	11/16
RYE-12	3/4
RYE-12M	12MM
RYE-13	13/16
RYE-13M	13MM
RYE-14	7/8
RYE-14M	14MM
RYE-15	15/16
RYE-15M	15MM
RYE-16	1
RYE-16M	16MM
RYE-17	1-1/16
RYE-17M	17MM
RYE-18	1-1/8
RYE-18M	18MM
RYE-19M	19MM
RYE-20	1-1/4
RYE-20M	20MM
RYE-21	1-5/16
RYE-21M	21MM
RYE-22	1-3/8
RYE-22M	22MM
RYE-23	1-7/16
RYE-23M	23MM
RYE-24	1-1/2
RYE-24M	24MM
RYE-25M	25MM
RYE-26M	26MM
RYE-27M	27MM
RYE-30M	30MM
RYE-32M	32MM
RYE-36M	36MM



OPEN END DRIVE

X SHANK	OPENING
RXE-16	1
RXE-17	1-1/16
RXE-18	1-1/8
RXE-20	1-1/4
RXE-21	1-5/16
RXE-22	1-3/8
RXE-23	1-7/16
RXE-24	1-1/2
RXE-26	1-5/8
RXE-27	1-11/16
RXE-28	1-3/4

H.D. OPEN END DRIVE

J SHANK	OPENING
RJH-6	3/8
RJH-7	7/16
RJH-8	1/2
RJH-9	9/16
RJH-10	5/8
RJH-11	11/16
RJH-12	3/4
RJH-14	7/8

REVERSA-BOX DRIVE

J SHANK	OPENING
RJT-6	3/8
RJT-7	7/16
RJT-8	1/2
RJT-9	9/16
RJT-10	5/8
RJT-11	11/16
RJT-12	3/4
RJT-14	7/8

REVERSA-BOX DRIVE

Y SHANK	OPENING
RYT-12	3/4
RYT-14	7/8

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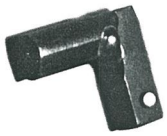
PLAIN DRIVE



J SHANK	SIZE
RJP-4	1/4
RJP-6	3/8
RJP-8	1/2

Y SHANK	SIZE
RYP-8	1/2
RYP-12	3/4

X SHANK	SIZE
RXP-8	1/2
RXP-12	3/4
RXP-16	1

12 PT. FLARE NUT DRIVE

J SHANK	OPENING
RJR-6	3/8
RJR-7	7/16
RJR-8	1/2
RJR-9	9/16
RJR-9M	9M
RJR-10	5/8
RJR-10M	10M
RJR-11	11/16
RJR-11M	11M
RJR-12	3/4
RJR-12M	12M
RJR-13M	13M
RJR-14	7/8
RJR-14M	14M
RJR-15	15/16
RJR-15M	15M
RJR-16	1
RJR-16M	16M
RJR-17	1-1/16
RJR-17M	17M
RJR-18	1-1/8
RJR-18M	18M
RJR-19M	19M
RJR-20	1-1/4
RJR-20M	20M
RJR-21	1-5/16
RJR-21M	21M
RJR-22	1-3/8

12 PT. FLARE NUT DRIVE

Y SHANK	OPENING
RYR-11	11/16
RYR-11M	11MM
RYR-12	3/4
RYR-12M	12MM
RYR-13M	13MM
RYR-14	7/8
RYR-14M	14MM
RYR-15	15/15
RYR-15M	15MM
RYR-16	1
RYR-16M	16MM
RYR-17	1-1/16
RYR-17M	17MM
RYR-18	1-1/8
RYR-18M	18MM
RYR-19M	19MM
RYR-20	101/4
RYR-20M	20MM
RYR-21	1-5/16
RYR-21M	21MM
RYR-22	1-3/8
RYR-24	1-1/2
RYR-26	1-5/'8

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KWIK-TITE DRIVE

Y SHANK	OPENING
RYK-10	5/8
RYK-11	11/16
RYK-12	3/4
RYK-13	13/16
RYK-14	7/8

KWIK-TITE DRIVE

J SHANK	OPENING
RJK-6	3/8
RJK-7	7/16
RJK-8	1/2
RJK-9	9/16
RJK-10	5/8
RJK-10M	10M
RJK-11	11/16
RJK-11M	11M
RJK-12	3/4
RJK-12M	12M
RJK-13	13/16
RJK-13M	13M
RJK-14	7/8
RJK-14M	14M
RJK-15	15/16
RJK-16	1
RJK-16M	16M
RJK-17M	17M
RJK-19M	19M
RJK-21M	21M

OPEN END SPEEDER DRIVE

Y SHANK	OPENING
RYS-8	1/2
RYS-9	9/16
RYS-10	5/8
RYS-11	11/16
RYS-12	3/4
RYS-12M	12MM
RYS-13	13/16
RYS-13M	13MM
RYS-14	7/8
RYS-14M	14MM
RYS-15	15/16
RYS-15M	15MM
RYS-16	1
RYS-16M	16MM
RYS-17	1-1/16
RYS-17M	17MM
RYS-18	1-1/8
RYS-18M	18MM
RYS-19M	19MM
RYS-20	1-1/4
RYS-20M	20MM
RYS-21	1-5/16
RYS-21M	21MM
RYS-22	1-3/8
RYS-22M	22MM
RYS-23M	23MM
RYS-24M	24MM
RYS-25M	25MM
RYS-26M	26MM
RYS-27M	27MM
RYS-30M	30MM
RYS-32M	32MM
RYS-36M	36MM

OPEN END SPEEDER DRIVE

J SHANK	OPENING
RJS-6	3/8
RJS-6M	6M
RJS-7	7/16
RJS-7M	7M
RJS-8	1/2
RJS-8M	8M
RJS-9	9/16
RJS-9M	9M
RJS-10	5/8
RJS-10M	10M
RJS-11	11/16
RJS-11M	11M
RJS-12	3/4
RJS-12M	12M
RJS-13	13/16
RJS-13M	13M
RJS-14	7/8
RJS-14M	14M
RJS-15	15/16
RJS-15M	15M
RJS-16	1
RJS-16M	16M
RJS-17	1-1/16
RJS-17M	17M
RJS-18	1-1/8
RJS-18M	18M
RJS-19M	19M
RJS-20	1-1/4
RJS-20M	20M
RJS-21	1-5/16
RJS-21M	21M
RJS-22	1-3/8
RJS-22M	22M
RJS-23M	23M
RJS-24M	24M
RJS-25M	25M
RJS-26M	26M
RJS-27M	27M
RJS-28M	28M
RJS-30M	30M
RJS-32M	32M
RJS-36M	36M

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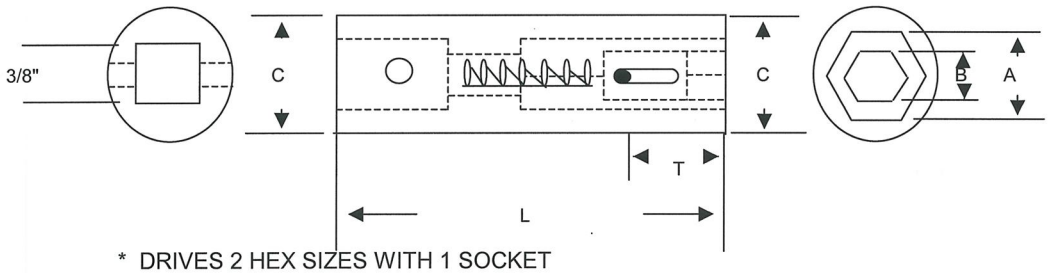
3/8" DRIVE SPRING LOADED COMBINATION SOCKETS



* DRIVES 2 HEX SIZES WITH 1 SOCKET

** REPLACEMENT INSERTS ARE AVAILABLE SEPARATELY

T = TRAVEL

PART NUMBER	A HEX	B HEX	C OUTSIDE DIAMETER	L STANDARD
SF-10M8M3-L	10M	8M	3/4"	3"
SF-11M8M3-L	11M	8M	3/4"	3"
SF-12M8M3-L	12M	8M	3/4"	3"
SF-13M10M3-L	13M	10M	13/16"	3"
SF-14M10M3-L	14M	10M	7/8"	3"
SF-15M10M3-L	15M	10M	15/16"	3"
SF-15M13M3-L	15M	13M	15/16"	3"
SF-16M13M3-L	16M	13M	1"	3"
SF-18M13M3-L	18M	13M	1 1/8"	3"
SF-18M15M3-L	18M	15M	1 1/8"	3"
SF-19M13M3-L	19M	13M	1 1/8"	3"
SF-19M15M3-L	19M	15M	1 1/8"	3"
SF-21M15M3-L	21M	15M	1 1/4"	3"
SF-21M17M3-L	21M	17M	11/4"	3"

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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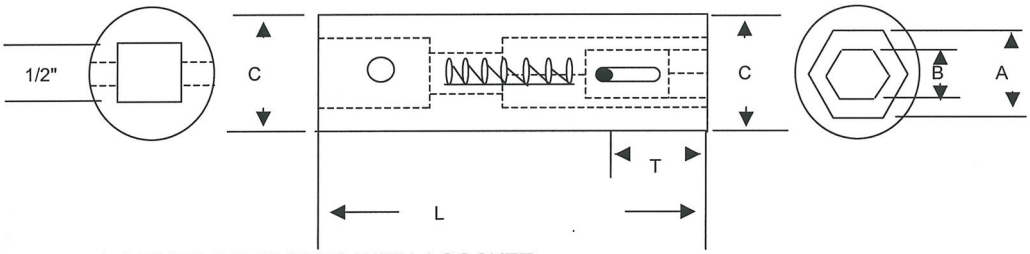
1/2" DRIVE SPRING LOADED COMBINATION SOCKETS



* DRIVES 2 HEX SIZES WITH 1 SOCKET

** REPLACEMENT INSERTS ARE AVAILABLE SEPARATELY

T = TRAVEL

PART NUMBER	A HEX	B HEX	C OUTSIDE DIAMETER	L STANDARD
SF-13M10M4-L	13M	10M	15/16'	3"
SF-14M10M4-L	14M	10M	15/16"	3"
SF-15M10M4-L	15M	10M	15/16"	3"
SF-16M13M4-L	16M	13M	1"	3"
SF-17M13M4-L	17M	13M	1 1/8"	3"
SF-18M13M4-L	18M	13M	1 1/8"	3"
SF18M15M4-L	18M	15M	1 1/8"	3"
SF-19M13M4-L	19M	13M	1 1/8"	3 1/2"
SF-19M15M4-L	19M	15M	1 1/8"	3 1/2"
SF-21M15M4-L	21M	15M	1 1/4"	3 1/2"
SF-21M17M4-L	21M	17M	1 1/4"	3 1/2"
SF-22M18M4-L	22M	18M	1 3/8"	3 1/2"
SF-24M18M4-L	24M	18M	1 1/2"	3 1/2"
SF-24M19M4-L	24M	19M	1 1/2"	3 1/2"

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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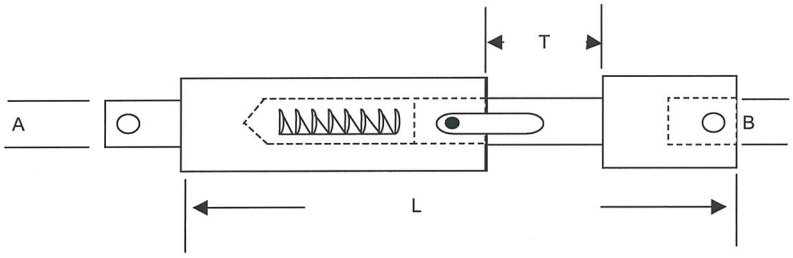
SPRING LOADED EXTENSIONS



T= TRAVEL (STANDARD TRAVEL IS 1/2")

ADD 1/2" OF LENGTH FOR EACH ADDITIONAL 1/4" OF TRAVEL

PART NUMBER	A SQUARE	B SQUARE	L LENGTH STANDARD
EXS-33-L	3/8"	3/8"	3"
EXS-44-L	1/2"	1/2"	3"
EXS-55-L	5/8"	5/8"	4"
EXS-66-L	3/4"	3/4"	4"

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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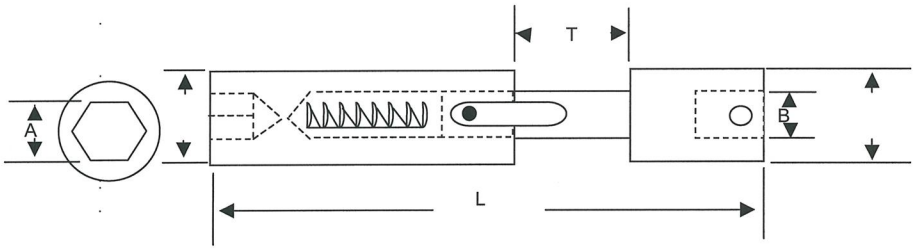
SPRING LOADED SOCKETS



T = TRAVEL (STANDARD TRAVEL IS 1/2")

ADD 1/2" OF LENGTH FOR EACH ADDITIONAL 1/4" OF TRAVEL

PART NUMBER	A HEX	B SQUARE	L LENGTH STANDARD
EXSSF-10MM3-L	10MM	3/8"	3"
EXSSF-13MM3-L	13MM	3/8"	3"
EXSSF-15MM3-L	15MM	3/8"	3"
EXSSF-15MM4-L	15MM	1/2"	3"
EXSSF-18MM4-L	18MM	1/2"	3"
EXSSF-19MM4-L	19MM	1/2"	3"
EXSSF-19MM6-L	19MM	3/4"	3"
EXSSF-24MM6-L	24MM	3/4"	3"

THESE SOCKETS ARE AVAILABLE IN ADDITIONAL LENGTHS, SPRING LOADED, SIDEWALL MAGNETS, THIN WALL, DEEP BROACH, ETC.

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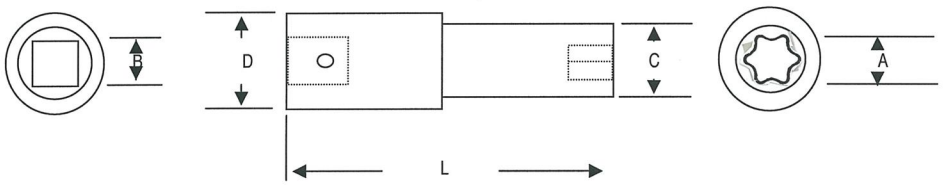
TORX SOCKETS FOR SAE & METRIC FASTENERS



		A	B	L	C	D
PART#	SOLID MAGNET	TORX SIZE	SQUARE DRIVE	LENGTH	NOSE DIA.	DRIVE DIA.
TXE-42	TXME-42	E-4	1/4	1	5/16	1/2
TXE-52	TXME-52	E-5	1/4	1	5/16	1/2
TXE-62	TXME-62	E-6	1/4	1	3/8	1/2
TXE-82	TXME-82	E-8	1/4	1	3/8	1/2
TXE-102	TXME-102	E-10	1/4	1	5/8	5/8
TXE-122	TXME-122	E-12	1/4	1	5/8	5/8
TXE-63	TXME-63	E-6	3/8	1 1/4	3/4	3/4
TXE-73	TXME-73	E-7	3/8	1 1/4	3/4	3/4
TXE-83	TXME-83	E-8	3/8	1 1/4	3/4	3/4
TXE-103	TXME-103	E-10	3/8	1 1/4	3/4	3/4
TXE-123	TXME-123	E-12	3/8	1 1/4	3/4	3/4
TXE-143	TXME-143	E-14	3/8	1 1/4	3/4	3/4
TXE-163	TXME-163	E-16	3/8	1 1/4	13/16	13/16
TXE-84	TXME-84	E-8	1/2	1 1/2	1	1
TXE-104	TXME-104	E-10	1/2	1 1/2	1	1
TXE-124	TXME-124	E-12	1/2	1 1/2	1	1
TXE-144	TXME-144	E-14	1/2	1 1/2	1	1
TXE-164	TXME-164	E-16	1/2	1 1/2	1	1
TXE-184	TXME-184	E-18	1/2	1 1/2	1	1
TXE-204	TXME-204	E-20	1/2	1 1/2	1 1/4	1 1/4
TXE-244	TXME-244	E-24	1/2	1 1/2	1 1/4	1 1/4
TXE-105	TXME-105	E-10	5/8	1 7/8	1 1/8	1 1/8
TXE-125	TXME-125	E-12	5/8	1 7/8	1 1/8	1 1/8
TXE-145	TXME-145	E-14	5/8	1 7/8	1 1/4	1 1/4
TXE-165	TXME-165	E-16	5/8	1 7/8	1 1/4	1 1/4
TXE-185	TXME-185	E-18	5/8	1 7/8	1 1/4	1 1/4
TXE-205	TXME-205	E-20	5/8	2	1 1/4	1 1/4
TXE-245	TXME-245	E-24	5/8	2	1 1/4	1 1/4
TXE-146	TXME-146	E-14	3/4	2	1 1/2	1 1/2
TXE-166	TXME-166	E-16	3/4	2	1 1/2	1 1/2
TXE-186	TXME-186	E-18	3/4	2	1 1/2	1 1/2
TXE-206	TXME-206	E-20	3/4	2	1 1/2	1 1/2
TXE-246	TXME-246	E-24	3/4	2	1 1/2	1 1/2

ANY OTHER VARIATIONS ON SIZES AVAILABLE UPON REQUEST

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