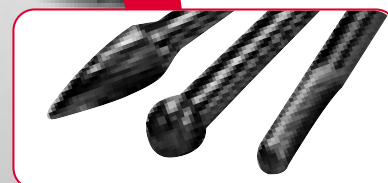
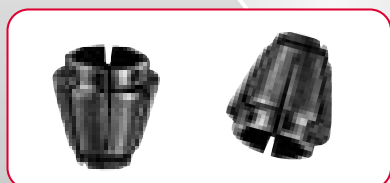




Accessories Consumables 1.1



Accessories Contents

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Cutting, Cleaning &
Rivetting Accessories pages 47-54



Reference Tables pages 55-59



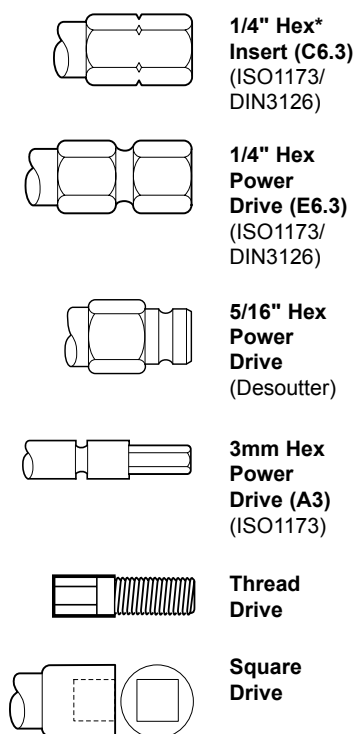
- Always use accessories of correct size and design for the tool. Tool and accessories must not be modified in any way.
- Do not use a tool or attachment for a purpose not intended by the manufacturer.

Accessories

General Information

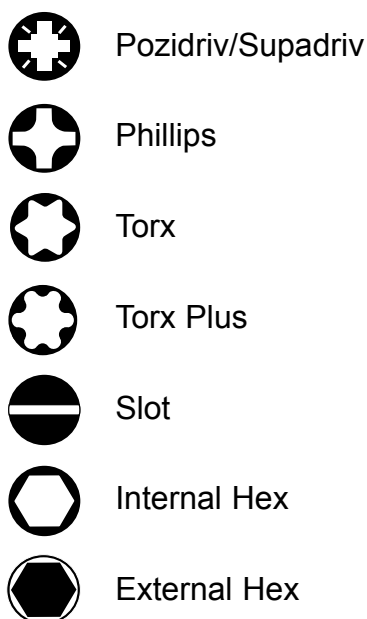
- Our Accessories Range is continually evolving. If you cannot find what you require, please ask.
- All the screwdriver bits conform to ISO1173 and DIN3126 with the exception of the 5/16" Hex Power
- The hardness shown in the tables refer to the hardness figures of 54-57 Rc for "Hard" and 61-63 Rc for "Extra Hard".

Drives














* **Note:** to be used with a bit holder


Fastener Head Type



Symbols

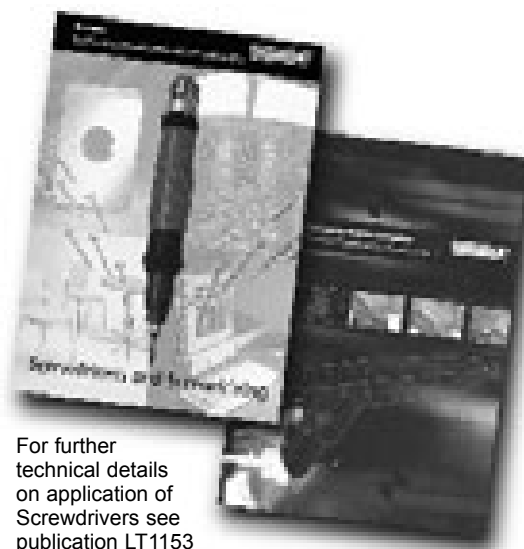
The following symbols are used in this catalogue:

-  Hexagon Across Flat Size
-  ID Internal Diameter
-  Ø Diameter
-  H Hard
-  XH Extra Hard
-  Magnetic
-  Male Square Drive Size
-  Female Square Drive Size
-  L Length
-  Q/R Quick Release
-  Thread Size

 Throughout this catalogue please note where this symbol occurs, please refer to the relevant safety notes.

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For further technical details on application of Screwdrivers see publication LT1153

For information on Ergonomics and workplace design see publication LT198

Accessories

QUALITY ACCESSORIES • QUALITY ACCESSORIES • QUALITY ACCESSORIES

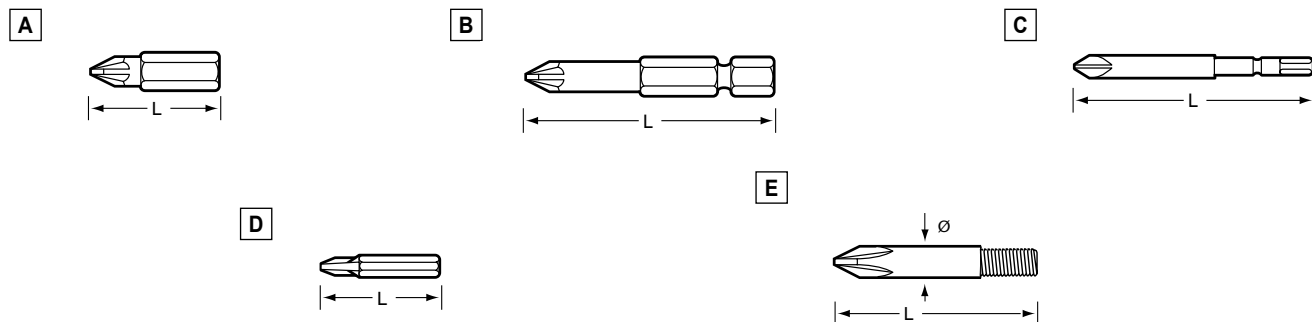


Fastening Accessories

- Screwdriver Bits *pages 6-12*
 - Suction Screw Pick-up *page 13*
 - Impulse/Impact Bits *page 14*
 - Bit Holders *page 15*
 - Adaptors *page 16*
 - Nutrunners *page 17*
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 - Screwdriver Bits *pages 18-19*
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Nutrunners *page 20*
 - Bottle Cap Drivers *page 21*
 - Square Drive Adaptors *page 22*
 - Sockets *pages 23-32*
 - Socket Retention *page 33*



Screwdriver Bits



1/4" HEX INSERT (C6.3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
A	0	25	108082	-
A	1	25	4023110101	110752
A	2	25	4023110102	110762
A	3	25	4023110103	110772
A	1	50	4023110104	-
A	2	50	4023110105	-
A	4	30	-	110182

1/4" HEX POWER (E6.3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
B	1	50	4023242001	111162
B	2	50	4023242002	111172
B	3	50	4023242003	111182
B	1	70	4023242701	111192
B	2	70	4023242702	111202
B	3	70	4023242703	111222
B	1	89	4023243501	111232
B	2	89	4023243502	111242
B	3	89	4023243523	111252
B	1	150	-	110292
B	2	150	-	110302
B	3	150	-	110322

3mm HEX POWER (A3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
C	0	50	-	80782
C	1	50	-	80792

4mm HEX INSERT (C4)

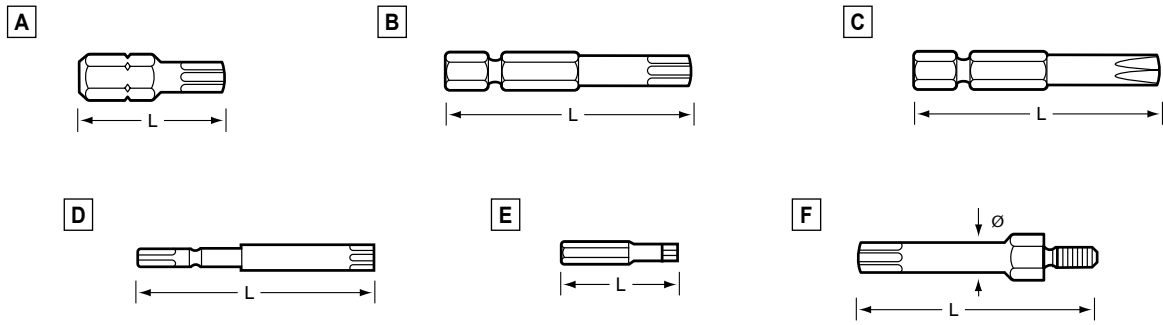
PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
D	0	28	-	80872
D	1	28	-	80882

THREAD DRIVE

PICTURE REF	POINT	L	Ø	THREAD	XH
		mm			part no.
E	1	33	6	M4	65422
E	2	33	6	M4	65442
E	2	33	7	M5	65452
E	2	33	8	M6	105732
E	3	33	8	M6	105742

For 5/16" Hex Power Accessories see page 18.

Screwdriver Bits



1/4" HEX INSERT (C6.3)

PICTURE REF		L	H	XH
		mm	part no.	part no.
A	T6	25	4023132700	-
A	T7	25	4023132800	-
A	T8	25	4023132900	-
A	T9	25	4023133000	-
A	T10	25	111272	-
A	T15	25	111282	-
A	T20	25	111292	-
A	T25	25	111302	-
A	T27	25	111322	-
A	T30	25	111332	-
A	T40	25	111342	-

1/4" HEX POWER (E6.3)

PICTURE REF		L	H	XH
		mm	part no.	part no.
B	T8	50	4023222021	-
B	T9	50	4023222022	-
B	T10	50	111352	-
B	T15	50	111372	-
B	T20	50	111382	-
B	T25	50	111392	-
B	T27	50	111402	-
B	T30	50	111422	-
B	T40	50	111432	-
B	T20	89	108912	-

TORX PLUS 1/4" HEX POWER (E6.3)

PICTURE REF		L	H	XH
		mm	part no.	part no.
C	IP8	89	-	108122
C	IP10	89	-	108132
C	IP15	89	-	108142

NB. Torx Plus bits cannot be used in standard Torx screws. Standard Torx bits will fit Torx Plus screwheads but drive with limited torque transmissions – see table page 47.

3mm HEX POWER (A3)

PICTURE REF		L	H	XH
		mm	part no.	part no.
D	T6	50	-	89962
D	T8	50	-	89972
D	T10	50	-	89982

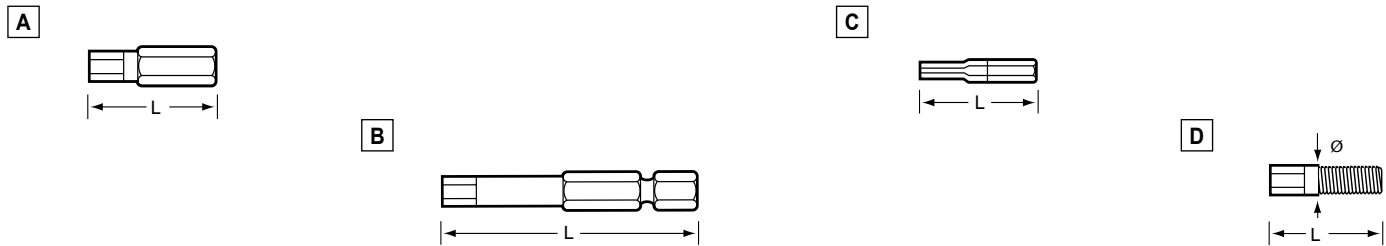
4mm HEX INSERT (C4)

PICTURE REF		L	H	XH
		mm	part no.	part no.
E	T6	28	-	99772

THREAD DRIVE

PICTURE REF		L	Ø	THREAD	XH
		mm	mm		part no.
F	T8	33	6	M4	105772
F	T10	33	6	M4	105782
F	T15	33	6	M4	105792
F	T20	33	6	M4	105802
F	T25	33	6	M4	105822
F	T10	33	7	M5	105832
F	T15	33	7	M5	105842
F	T20	33	7	M5	105852
F	T25	33	7	M5	105862
F	T30	33	7	M5	105882

Screwdriver Bits



1/4" HEX INSERT (C6.3)

PICTURE REF	HEX	L	H	XH
		mm	part no.	part no.
A	2.0mm	25	-	110782
A	3/32"	25	-	4023143023
A	2.5mm	25	-	110792
A	3.0mm	25	-	110802
A	1/8"	25	-	4023143025
A	9/64"	25	-	4023143026
A	4.0mm	25	-	110822
A	3/16"	25	-	4023070600
A	5.0mm	25	-	110832
A	7/32"	25	-	4023084800
A	6.0mm	25	-	110842
A	1/4"	25	-	4023094400
A	7.0mm	25	-	4023143000
A	8.0mm	25	-	110852
A	10.0mm	32	-	110192

1/4" HEX POWER (E6.3)

PICTURE REF	HEX	L	H	XH
		mm	part no.	part no.
B	2.0mm	50	-	110202
B	2.5mm	50	-	110862
B	3.0mm	50	-	110872
B	4.0mm	50	-	110882
B	5.0mm	50	-	110892
B	6.0mm	50	-	110902
B	8.0mm	50	-	110922
B	10.0mm	50	-	110932

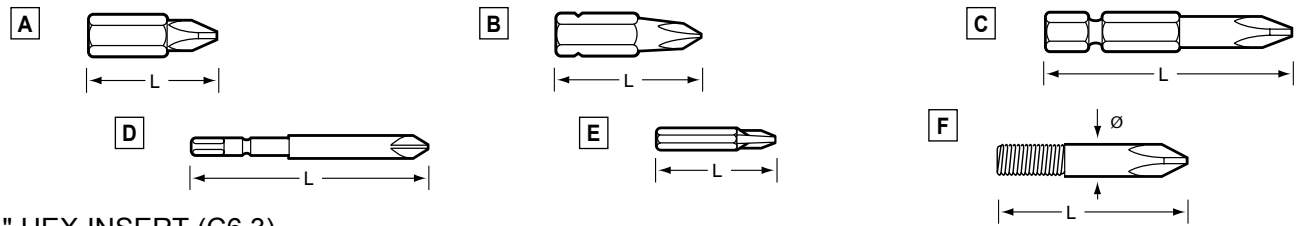
4mm HEX INSERT (C4)

PICTURE REF	HEX	L	H	XH
		mm	part no.	part no.
C	1.5mm	28	-	81192
C	2.0mm	28	-	81202
C	2.5mm	28	-	81222
C	3.0mm	28	-	81232

THREAD DRIVE

PICTURE REF	HEX	L	Ø	THREAD	XH
		mm	mm		part no.
D	2.5mm	33	6	M4	105892
D	3.0mm	33	6	M4	105902
D	3.0mm	33	7	M5	105922
D	4.0mm	33	7	M5	105932
D	5.0mm	33	8	M6	105942
D	6.0mm	33	8	M6	105952

For 5/16" Hex Power Accessories see page 18.

Screwdriver Bits 

1/4" HEX INSERT (C6.3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
A	0	25	4023070200	110682
A	1	25	4023069600	110692
A	2	25	4023069700	110702
A	3	25	4023069800	110722
A	4	32	-	110732
A	1	50	4023142116	-
A	2	50	4023142113	110742
A	3	50	4023142117	-
A	2	70	-	110172

REDUCED NOSE DIAMETER 1/4" HEX INSERT (C6.3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
B	1	25	4023142004	4023142001
B	2	25	4023142002	4023142003

1/4" HEX POWER (E6.3)

PICTURE REF	POINT	L	H	XH	ACR
		mm	part no.	part no.	
C	0	50	-	110232	
C	1	50	4023232001	111522	111082
C	2	50	4023232002	111532	111092
C	3	50	4023232003	111542	111102
C	1	70	-	110242	
C	2	70	-	110252	
C	3	70	-	110262	
C	1	89	4023233501	111552	111122
C	2	89	4023233502	111562	111132
C	3	89	4023233503	111572	111142
C	2	152	-	111152	

ACR[®] = Anti-Cam-out Ribs

3mm HEX POWER (A3)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
D	000	50	-	88972
D	00	50	-	82102
D	0	50	-	80762
D	1	50	-	80772

4mm HEX INSERT (C4)

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
E	0	28	-	80852
E	1	28	-	80862

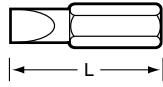
THREAD DRIVE

PICTURE REF	POINT	L	Ø	THREAD	XH
		mm	mm		part no.
F	1	33	6	M4	95902
F	2	33	6	M4	65372
F	1	33	7	M5	95942
F	2	33	7	M5	65382
F	3	33	8	M6	105762

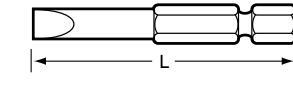
For 5/16" Hex Power Accessories see page 18.

Screwdriver Bits

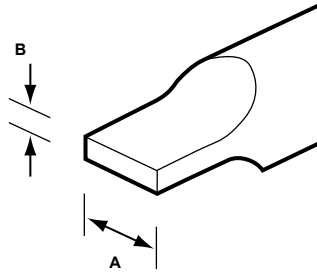
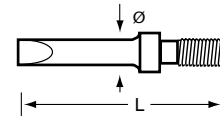
A



B



C



1/4" HEX INSERT (C6.3)

PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
A	3.5	0.7	25	4023140001	4023140021
A	4.0	0.8	25	-	4023140022
A	4.7	0.9	25	-	110662
A	4.5	0.6	25	-	-
A	5.0	0.8	25	4023141102	-
A	7.1	0.9	25	-	110672
A	6.3	1.0	25	-	4023140027
A	8.0	1.6	25	4023141103	-
A	5.5	1.0	25	-	110152

1/4" HEX POWER (E6.3)

PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
B	3.2	0.7	50	4023201001	110642
B	3.9	0.8	50	4023202003	110942
B	4.7	0.9	50	4023202004	110952
B	5.4	0.8	50	4023201101	-
B	6.3	1.0	50	4023202006	110962
B	6.5	1.2	50	-	-
B	7.2	1.1	50	4023202007	110972
B	7.9	1.2	50	4023201008	111002
B	8.0	1.6	50	-	-
B	9.1	1.3	50	-	111022
B	3.2	0.7	76	4023201501	110652
B	3.9	0.8	76	-	111032
B	4.7	0.9	76	4023203004	111042
B	6.3	1.0	76	4023203006	111052
B	8.0	1.2	76	-	110082
B	9.1	1.3	76	-	110092
B	3.2	0.7	101	-	4023204021
B	3.9	0.8	101	-	4023204023
B	4.7	0.9	101	-	4023204024
B	6.3	1.0	101	-	4023204026
B	7.2	1.1	101	-	4023204027
B	7.9	1.2	101	-	4023204028
B	9.1	1.3	101	-	4023204029

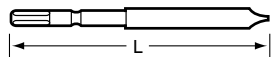
THREAD DRIVE

PICTURE REF	A	B	L	Ø	THREAD	XH
	mm	mm	mm			part no.
C	4.8	0.6	33	5.5	M4	105962
C	5.5	0.6	33	5.5	M4	105972
C	6.0	0.7	33	6	M4	105982
C	7.0	0.9	33	7	M5	106002
C	7.0	1.0	33	7	M5	106022
C	8.0	1.0	33	8	M6	106032

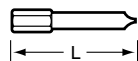
For 5/16" Hex Power Accessories see page 19.

Screwdriver Bits 

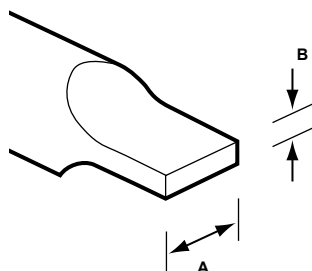
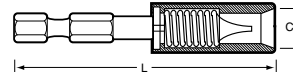
A



B



C



3mm HEX POWER A3

PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
A	2.0	0.3	50	-	88962
A	2.3	0.4	50	-	80722
A	3.0	0.5	50	-	80732
A	4.0	0.6	50	-	80742
A	5.0	0.8	50	-	80752
A	6.0	0.8	100	-	88982

4mm HEX INSERT (C4)

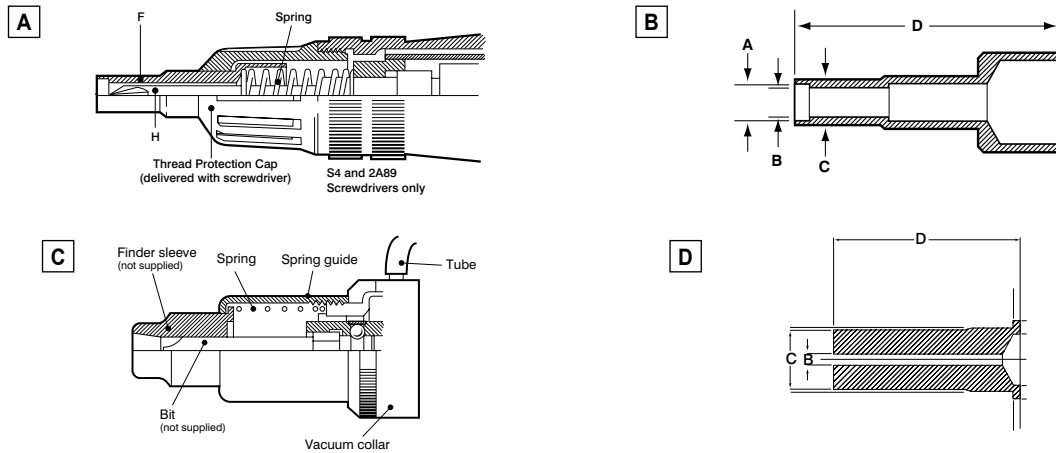
PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
B	3.0	0.5	28	-	80802
B	4.5	0.6	28	-	80832
B	5.5	0.8	28	-	80842

COMBINED BIT AND FINDER SLEEVES 1/4" HEX POWER (E6.3)

PICTURE REF	A	B	L	C	XH
	mm	mm	mm	mm	part no.
C	4.9	0.91	95	8.0	111062
C	6.1	1.07	95	9.4	111072
C	7.3	1.07	95	10.8	4023068400
C	8.9	1.17	95	11.3	4023094900
C	10.0	1.27	98	12.6	4023068500
C	3.91	0.6	53	4.0	108032
C	3.91	0.7	53	4.0	108042
C	7.0	1.2	95	9.3	110222
C	9.0	1.6	95	12.0	110122
C	10.0	1.6	95	15.0	110132
C	12.0	2.0	95	16.0	110142

For 5/16" Hex Power Accessories see page 19.

Screwdriver Bits & Finder Sleeves



FINDER SLEEVES & BITS FOR 3mm HEX POWER (A3) SCREWDRIVER BITS

To use 3mm Hex Power Bits (A3) with Non Rotating Finder Sleeves spring Part No. 280443 will be required.

PICTURE REF		ØA	ØB	ØC	D	F	H	H	
	Ømm	mm	mm	mm	mm	part no.	part no.	part no.	point size
A & B	3	3.1	2.4	3.8	34	81042	80722	80782	0
A & B	3.8	3.85	3.1	4.75	34	81052	80732	80782	0
A & B	4.3	4.6	4.1	5.45	34	81062	80742	80792	1
A & B	4.7	4.85	4.1	5.7	34	81072	80742	80792	1
A & B	5.6	5.65	5.1	6.6	34	81082	80752	80792	1

PICTURE REF		ØA	ØB	ØC	D	F	H	
	Ømm	mm	mm	mm	mm	part no.	part no.	point size
A & B	3	3.1	2.4	3.8	34	81042	88972/82102/80762	000/00/0
A & B	3.8	3.85	3.1	4.75	34	81052	80762	0
A & B	4.3	4.6	4.1	5.45	34	81062	80772	1
A & B	4.7	4.85	4.1	5.7	34	81072	80772	1
A & B	5.6	5.65	5.1	6.6	34	81082	80772	-
B	Finder Sleeve Blank		-	6.6	100	88992	-	-

Can be used with suction screw pick-up, see page 13.

VACUUM SCREW PICK-UP KIT FOR SB & SC/S5 SCREWDRIVERS

PICTURE REF	DESCRIPTION	PICTURE REF	DESCRIPTION
	part no.		part no.
C	Kit (SC+S5): 1/4" hex (F6, 3) 5/16" hex	C	Kit (SB) including:
	75152		Spring Guide
	74762		Spring
			Vacuum collar
			Vacuum tube (2.3m long)
			Blank finder sleeve machining instructions
			108892
			464213
			464223
			464233
			111223
			464183

Note: Finder sleeves to suit screw/screwdriver bit must be machined from plastic or steel blanks (see below).

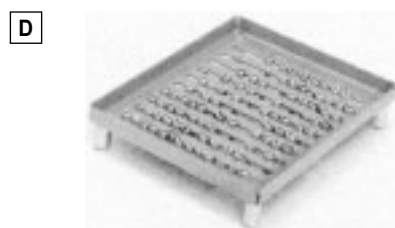
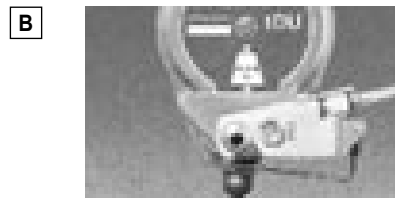
NON-ROTATING FINDER SLEEVE KIT FOR SB SCREWDRIVERS

PICTURE REF	DESCRIPTION	part no.
C	Kit including: Spring guide Spring Blank finder sleeve machining instructions	108902 464203 464223 464183

Note: Finder sleeves to suit screw/screwdriver bit must be machined from plastic or steel blanks (see below).

PICTURE REF	DESCRIPTION	ØB	ØC	D	part no.
		mm	mm	mm	
D	Finder Sleeve Blank – Delrin (SB)	3.0	14.2	105	464103
D	Finder Sleeve Blank – Steel (SB)	3.0	14.2	105	464093
D	Finder Sleeve Blank – Steel (SC+S5)	3.35	15.6	26	464753

Suction Screw Pick-up



AIR-POWERED VACUUM ATTACHMENTS FOR BALANCERS

Desoutter HU Hose Reel Balancers and DU Cable Balancers can be simply converted into a vacuum source by fitting a Vacuum Attachment. Vacuum is adjustable and switches off automatically when screwdriver is released.

PICTURE REF	BALANCER TYPE	VACUUM WATER GAUGE (1mm w.g. = 81.1 mbar)				part no.	HOSE LENGTH	HOSE BORE
		mm	l/s	cfm	dB(A)		m	mm
A	HU	4570	0.47	1	64	51262	1.6	4
B	DU	4570	0.47	1	64	51482	1.6	4

AIR-POWERED AV201 VACUUM UNIT

The AV201 is installed into the air line system by screwing into the gauge port of a combination filter/regulator or into a tee piece between a regulator and lubricator.

PICTURE REF	VACUUM MERCURY GAUGE					AIR INLET	HOSE LENGTH	HOSE BORE
	mm	l/s	cfm	dB(A)	part no.	1/8"	m	mm
C	4570	0.7	1.5	54	112063	1/8"	2.3	4

SHAKER TRAYS

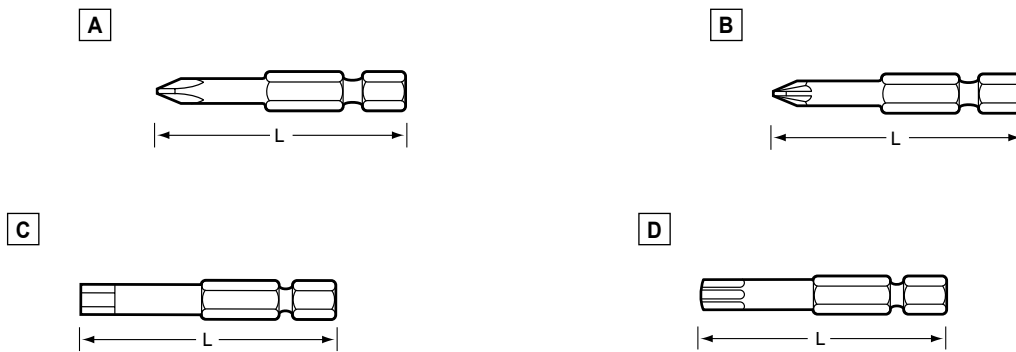
Conveniently aligns screw head upwards for easy pick-up with spring sleeve or suction.

Dimensions (w x l x h) 4^{5/8}" x 3^{3/4}" x 27/32"

PICTURE REF	SLOT WIDTH		SCREW SIZE		
	mm	mm	BA	part no.	
D	1.8	M1.4/M1.6	10	9302	
D	2.0	-	9	9292	
D	2.4	M2/M2.2	8	9282	
D	3.4	M3	5	9252	
D	3.8	M3.5	4	9242	
D	4.9	M4.5	2	9222	



Impulse/Impact Bits



Designed for use with impact and impulse tools to absorb shock loading.

1/4" HEX POWER (E6.3)

PICTURE REF	POINT OR HEX	L	
		mm	part no.
A	2	49	9092012111
A	3	49	9092012141

1/4" HEX POWER (E6.3)

PICTURE REF	POINT OR HEX	L	
		mm	part no.
B	2	49	9092012051
B	3	49	9092012081

1/4" HEX POWER (E6.3)

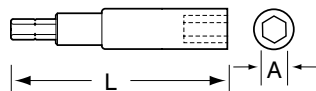
PICTURE REF	POINT OR HEX	L	
		mm	part no.
C	4mm	49	9092012291
C	5mm	49	9092012321
C	6mm	49	9092012351

1/4" HEX POWER (E6.3)

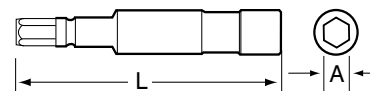
PICTURE REF	POINT OR HEX	L	
		mm	part no.
D	T25	49	9092012201
D	T30	49	9092012231

Bit Holders

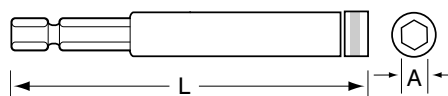
A



C



B



1/4" HEX INSERT (C6.3)

PICTURE REF	L	A	⌀	Q/R	part no.
	mm				
A	43.0	1/4" Hex Insert (D6.3)	X	X	22322

1/4" HEX POWER (E6.3)

PICTURE REF	L	A	⌀	Q/R	part no.
	mm				
B	50.0	1/4" Hex Power (E6.3)	X	✓	75782
B	50.0	5/16" Hex Power	X	X	110622
B	45.0	4mm Hex Insert (D4)	✓	X	97632
B	50.0	1/4" Hex Insert (D6.3)	✓	X	107952
B	73.0	1/4" Hex Insert (D6.3)	✓	X	99752 ¹⁾
B	75.0	1/4" Hex Insert (D6.3)	X	✓	111262
B	74.0	1/4" Hex Insert (D6.3)	✓	X	101252 ²⁾
B	42.0	1/4" Hex Insert (D6.3)	X	X	101282
B	74.0	1/4" Hex Insert (D6.3)	✓	✓	100162
B	100.0	1/4" Hex Insert (D6.3)	X	X	110342
B	150.0	1/4" Hex Insert (D6.3)	✓	X	110102
B	150.0	1/4" Hex Insert (D6.3)	X	X	110352
B	80.0	1/4" Hex Insert (D6.3) ³⁾	✓	X	110362

¹⁾ Reduced external diameter 9.5mm (3/8"), no retention clip

²⁾ Copper beryllium

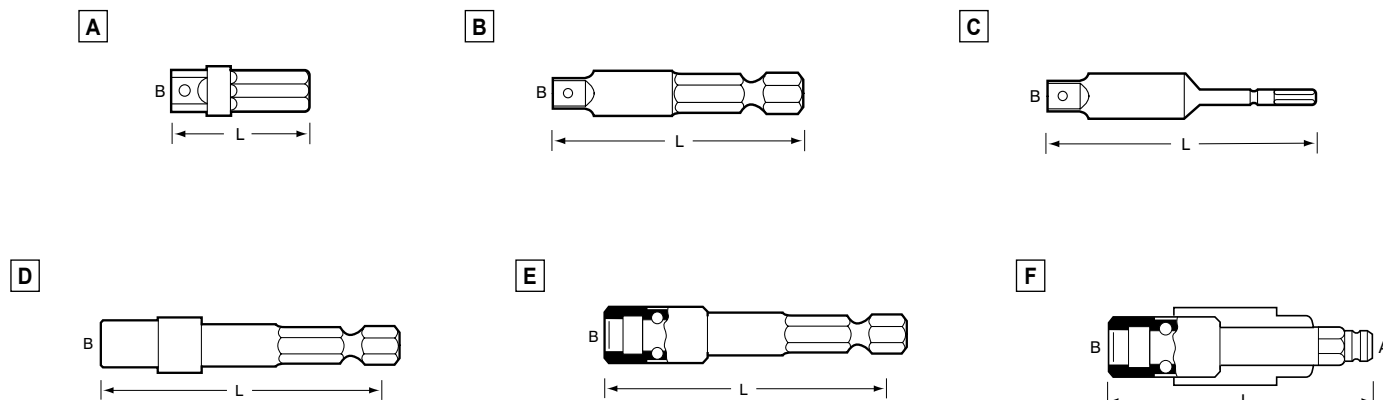
³⁾ With retaining screw

3mm HEX POWER (A3)

PICTURE REF	L	A	⌀	Q/R	part no.
	mm				
C	57.0	4mm Hex Insert (D4)	✓	X	80892
C	57.0	4mm Hex Insert (D4)	X	X	80902
C	50.0	1/4" Hex Insert (D6.3)	X	X	82322

For 5/16" Hex Power Accessories see page 20.


Adaptors



SQUARE DRIVE ADAPTORS 1/4" HEX INSERT (C6.3)

PICTURE REF	B	L	
		mm	part no.
A	1/4" Square Drive	39.0	14372

1/4" HEX POWER (E6.3)

PICTURE REF	B	L	
		mm	part no.
B	1/4" Square Drive	35.0	95352
B	1/4" Square Drive	50.0	97132
B	3/8" Square Drive	41.0	95362

3mm HEX POWER (A3)

PICTURE REF	B	L	
		mm	part no.
C	1/4" Square Drive	50.0	82732

THREAD ADAPTOR 1/4" HEX POWER (E6.3)

PICTURE REF	B	L	
		mm	part no.
D	3/8" x 24 UNF	45	96743
D	3/8" x 24 UNF	35	70853

EXTENSION ADAPTORS 1/4" HEX POWER

PICTURE REF	B	L	
		mm	part no.
E	1/4" Hex Power F6.3	152	S084613

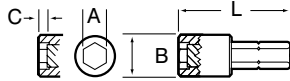
TELESCOPIC SPINDLE EXTENSION ADAPTORS

PICTURE REF	A	B	L	STROKE		part no.
				mm	mm	
F	5/16" Hex Power	3/8" Square Drive	67	9.5		71593
F	1/4" Hex Power E6.3	1/4" Hex Power E6.3	84	9.5		96713
F	3/8" Square Drive	1/4" Hex Power E6.3	73	9.5		96723

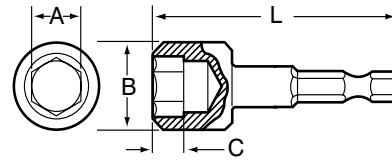
For 5/16" Hex Power Accessories see page20.

Nutrunners 

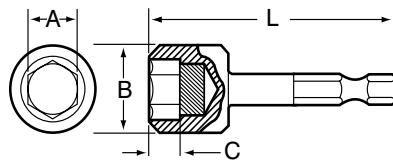
A



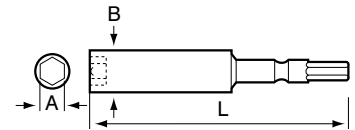
B





C





D





1/4" HEX INSERT (C6.3)

PICTURE REF			A	B	C	L	
	ISO	UNF/C	mm	mm	mm	mm	part no.
A	M4	-	7.0	11.0	2.4	28	9092011961
A	M5	-	8.0	13.0	2.9	28	9092011991
A	M6	-	10.0	14.0	5.0	32	9092012021




1/4" HEX POWER (E6.3)

PICTURE REF			A	B	C	L	
	ISO	UNF/C	mm	mm	mm	mm	part no.
B	M3	-	5.5	11.0	3.9	65	9092011451
B	M3.5	-	6.0	11.0	3.9	65	9092011511
B	-	4	11.0	11.0	4.4	65	9092011751
B	M4	-	7.0	12.0	4.8	65	9092011571
B	-	-	13.0	13.0	2.9	65	9092011811
B	M5	-	8.0	13.0	5.6	65	9092011631
B	-	10-3/16"	14.0	14.0	6.7	65	9092011871
B	M6	-	10.0	14.0	6.7	65	9092011691

1/4" HEX POWER (E6.3)

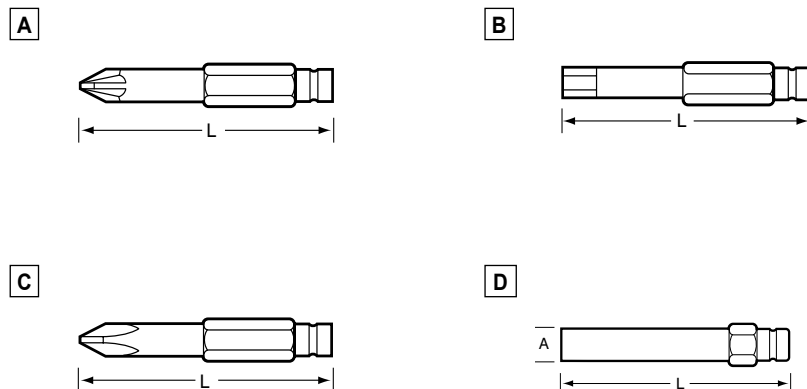
PICTURE REF			A	B	C	L	
	ISO	UNF/C	mm	mm	mm	mm	part no.
C	M3	-	5.5	11.0	2.3	65	9092011481
C	M3.5	-	6.0	11.0	2.4	65	9092011541
C	-	4	11.0	11.0	2.4	65	9092011781
C	M4	-	7.0	12.0	2.8	65	9092011601
C	M5	-	8.0	13.0	2.9	65	9092011661
C	M6	-	10.0	14.0	5.0	65	9092011721
C	-	12-1/4"	11.1	16.0	5.0	65	9092011931

3mm HEX POWER (A3)

PICTURE REF			A	B	L		
	ISO	UNF/C	mm	mm	mm	part no.	part no.
D	M2.5	-	5.0	Ø10	43	80962	81002
D	M3	-	5.5	Ø10	43	80972	81022

For 5/16" Hex Power Accessories see page 20.

5/16" Hex Power Accessories



SCREWDRIVER BITS 5/16" HEX POWER

PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
A	1	32	-	11642
A	2	32	-	11652
A	1	52	-	11672
A	2	52	-	11682
A	3	52	-	11692
A	1	92	-	11702
A	2	92	-	11722
A	3	92	-	11732

SCREWDRIVER BITS 5/16" HEX POWER

PICTURE REF	HEX	L	H	XH
		mm	part no.	part no.
B	3.0mm	50	-	99842
B	4.0mm	50	-	99852
B	5.0mm	50	-	99862
B	6.0mm	50	-	99872
B	8.0mm	50	-	99882

SCREWDRIVER BITS 5/16" HEX POWER

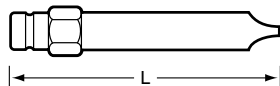
PICTURE REF	POINT	L	H	XH
		mm	part no.	part no.
C	1	32	-	11532
C	2	32	-	11542
C	3	32	-	11552
C	1	44	-	13362
C	2	44	-	13372
C	1	52	-	11562
C	2	52	-	11572
C	3	52	-	11582
C	1	92	-	11602
C	2	92	-	11622
C	3	92	-	11632

SCREWDRIVER BIT BLANK 5/16" HEX POWER

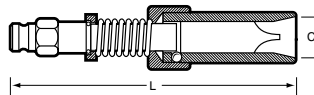
PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
C	10.2	-	52	-	10522
C	10.2	-	154	-	10692

5/16" Hex Power Accessories

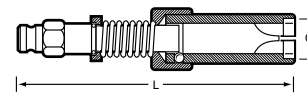
A



B



C



SCREWDRIVER BITS 5/16" HEX POWER

PICTURE REF	A	B	L	H	XH
	mm	mm	mm	part no.	part no.
A	3.1	0.6	52	-	10082
A	3.7	0.8	52	-	10092
A	5.0	1.0	52	-	10102
A	6.2	1.0	52	-	10122
A	7.5	1.2	52	-	10132
A	8.8	1.3	52	-	10142
A	10.2	1.5	52	-	10152
A	3.1	0.6	78	-	10162
A	3.7	0.8	78	-	10172
A	5.0	1.0	78	-	10182
A	6.2	1.0	78	-	10192
A	7.5	1.2	78	-	10202
A	8.8	1.3	78	-	10222
A	10.2	1.5	78	-	10232
A	3.1	0.6	103	-	10242
A	3.7	0.8	103	-	10252
A	5.0	1.0	103	-	10262
A	6.2	1.0	103	-	10272
A	7.5	1.2	103	-	10282
A	10.2	1.5	103	-	10302
A	3.7	0.8	154	-	10402
A	5.0	1.0	154	-	10422
A	6.2	1.0	154	-	10432
A	10.2	1.5	154	-	10462

SCREWDRIVER BITS – COMBINED BIT AND FINDER SLEEVES 5/16" HEX POWER

PICTURE REF	A	B	L	C	XH
	mm	mm	mm	mm	part no.
B	3.2	0.6	84	4.2	10822
B	3.9	0.8	84	5.7	10832
B	5.1	1.0	84	7.2	10842
B	6.4	1.1	84	8.6	10852
B	7.7	1.2	84	10.1	10862
B	8.8	1.4	84	11.6	10872
B	11.0	1.6	84	13.0	10882
B	3.9	0.8	110	5.7	10902
B	5.1	1.0	110	7.2	10922
B	6.4	1.1	110	8.6	10932
B	7.7	1.2	110	10.1	10942

SCREWDRIVER BITS – COMBINED BIT AND SPRING PICK-UP SLEEVES


PICTURE REF	A	B	L	C	XH
	mm	mm	mm	mm	part no.
C	3.2	0.6	84	3.9	22802
C	3.9	0.8	84	4.3	22792
C	3.9	0.8	84	4.9	22782
C	5.1	1.0	84	5.6	22772
C	5.1	1.0	84	6.4	22762
C	6.4	1.1	84	7.1	22752
C	6.4	1.1	84	8.0	22742
C	7.7	1.1	84	9.2	22732
C	3.9	0.8	110	4.9	22892
C	5.1	1.0	110	5.6	22882

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5/16" Hex Power Accessories

BIT HOLDERS 5/16" HEX POWER

PICTURE REF	L	A		Q/R	part no.
	mm				
A	45.0	1/4" Hex Power (F6.3)	X	✓	78882
A	45.0	5/16" Hex Power	X	✓	75792
A	46.0	1/4" Hex Insert (D6.3)	X	X	11522
A	62.0	1/4" Hex Insert (D6.3)	✓	X	11502
A	Replacement Spring Ring for 11522, 11502				260613
A	70.0	1/4" Hex Insert (D6.3)	✓	✓	100172
A	55.0	1/4" Hex Insert (D6.3)	✓	X	98682
A	Cap and O Ring for 98682				100132




SQUARE DRIVE ADAPTORS 5/16" HEX POWER

PICTURE REF	B	L	part no.
		mm	
B	1/4" Square Drive	34	32962
B	1/4" Square Drive	75	23592
B	1/4" Square Drive	100	23602
B	1/4" Square Drive	150	23622
B	3/8" Square Drive	37.0	91772

EXTENSION ADAPTORS 5/16" HEX POWER

PICTURE REF	B	L	part no.
		mm	
C	5/16" Hex Power	51.0	10762
C	5/16" Hex Power	76.0	10772
C	5/16" Hex Power	101.0	10782
C	5/16" Hex Power	126.0	10792
C	5/16" Hex Power	151.0	10802

NUTRUNNERS 5/16" HEX POWER

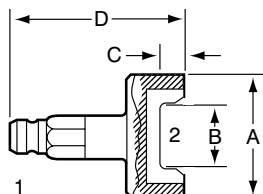
PICTURE REF			A	B	C	part no.		
	ISO	UNF/C	mm	mm	mm			
D	M2.5	-	5.1	8.9	2.3	7342		
D	M3	-	5.5	9.5	2.4	61332		
D	M3.5	-	6.1	10.4	3.2	7372		
D	-	4	6.5	11.4	3.3	7392		
D	M4	-	7.2	11.9	3.3	61342		108472
D	M5	5-6	8.1	13.7	4.1	7412		
D	-	-	8.3	13.7	4.1	7422		
D	M6	-	10.1	16.0	4.8	7462		108492
D	-	12-1/4"	11.4	17.5	5.6	7482		
D	-	5/16"	13.0	19.6	6.4	7512		
D	M8	-	13.2	19.8	6.4	7522		108502
D	-	-	13.6	20.3	6.4	7532		
D	-	3/8"	14.5	21.3	7.9	7552		
D	M10	-	17.3	24.6	9.7	7582		

20

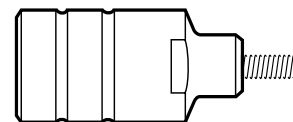


Bottle Cap Drivers/Nose Attachment Kits

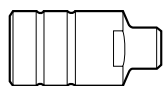
A



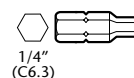
B



C



G



BOTTLE CAP DRIVERS 5/16" HEX POWER

PICTURE REF	ØA	ØB	C	D	1	2
	mm	mm	mm	mm	part no.	part no.
A	25.4	14.3	6.4	38.1	11742	11832
A	28.6	17.5	6.4	38.1	11752	11842
A	31.7	22.2	6.4	38.1	11762	11852
A	34.9	23.8	6.4	38.1	11772	11862
A	39.7	27.0	6.4	38.9	11782	11872
A	42.9	30.2	6.4	38.9	11792	11882
A	49.2	36.5	7.9	40.4	11802	11892
A	55.6	42.9	7.9	40.4	11822	11902

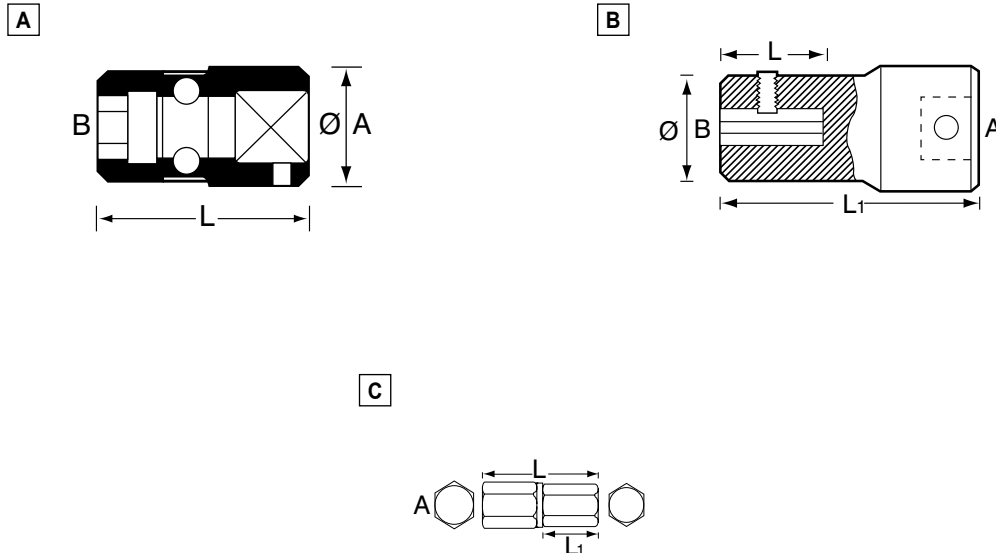
NOSE ATTACHMENT KITS FOR THE ASSEMBLY OF THREADED CAPTIVE FASTENERS, RIVET NUTS, ETC USE WITH TOOLS 2D189/2F189

PICTURE REF	THREAD SIZE	ASSEMBLY KIT	PICTURE REF	THREAD SIZE	ASSEMBLY KIT
		part no.			part no.
B	M3 x 0.5	76552	B	6 x 32 UNC	76602
B	M4 x 0.7	76562	B	8 x 32 UNC	76622
B	M5 x 0.8	76572	B	10 x 24 UNC	76632
B	M6 x 1.0	76582	B	10 x 32 UNF	76642
B	M8 x 1.25	76592	B	1/4" -20 UNC	76652
			B	1/4" -28 UNF	76662
			B	5/16" UNC	76672
			B	5/16" UNF	76682

PICTURE REF	THREAD SIZE	C	D	E	F LENGTH	G A/F SIZE	H	I		
		part no.	part no.	part no.	mm	mm	part no.	part no.		
	M3 x 0.5	273513	273603	273423	35	279683	2.5	72362	273613	16313
	M4 x 0.7	273533	273603	273443	35	273643	3	72172		
	M5 x 0.8	273563	273603	273473	35	273653	4	72192		
	M6 x 1.0	273573	273603	273483	35	237893	5	72222		
	M8 x 1.25	273593		300383	45	300393	6	72242		


When fitting kit to 2D8, 2F8 models, first remove retaining balls from 1/4" hex screwdriver bit holder.

Square Drive Adaptors




SQUARE DRIVE TO SCREWDRIVER BIT ADAPTORS

QUICK RELEASE AND CLIP/BALL RETENTION

PICTURE REF	A	B	L	Ø MAX	Q/R	part no.
			mm	mm		
A	3/8"	1/4" Hex Insert (D6.3)	32	16		21792
A	3/8"	1/4" Hex Power (F6.3)	46	22	Q/R	108052
A	3/8"	5/16" Hex Power	30	19		70942
A	3/8"	5/16" Hex Power	68	21	Q/R	21762
A	1/2"	1/4" Hex Insert (D6.3)	45	22	-	6158123060

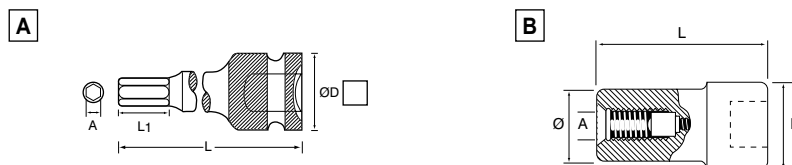
POSITIVE RETENTION

PICTURE REF	A	B	L	Ø	L ₁	part no.
			mm	mm	mm	
B	3/8"	1/4" Hex	38	14	14	6158122060
B	3/8"	7/16" Hex	38	14	14	6158041570
B	1/2"	7/16" Hex	38	14	14	6158041600


HEXAGONAL BITS 7/16"

PICTURE REF	SIZE ON FLATS A		L	HEX LENGTH L ₁		part no.
	mm	in.		mm	mm	
C	8		28	12		6158041080
C	10		28	12		6158041090
C	12		28	12		6158041100
C	14		28	12		6158041110
C		1/4"	28	12		6158040220
C		5/16"	28	12		6158040230
C		3/8"	28	12		6158040240
C		7/16"	28	12		6158040250
C		1/2"	28	12		6158040260

Sockets 1/2" Drive with Male Hex/Stud Runners



HEXAGONAL DRIVES WITH PIN AND O RING RETENTION

PICTURE REF	A		L	L ₁	ØD	part no.
	mm		mm	mm	mm	
A	4	3/8"	50	16	19	9092013781
A	5	3/8"	50	16	19	9092013811
A	6	3/8"	50	16	19	9092013841
A	8	3/8"	50	16	19	9092013871
A	10	3/8"	50	16	19	9092013901
A	8	1/2"	75	16	25	9092013961
A	10	1/2"	75	16	25	9092013991
A	12	1/2"	75	16	25	9092014021
A	14	1/2"	75	20	25	9092014051

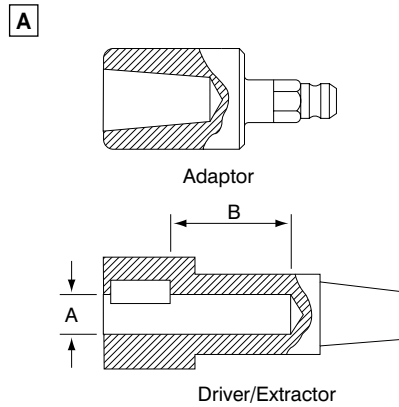
SOCKET 1/2" DRIVE WITH MALE HEX

PICTURE REF	HEX	L	L ₁	part no.
		mm	mm	
A	4	44	6	6158040400
A	5	44	8	6158040410
A	6	44	9	6158040420
A	8	44	12	6158040430
A	10	47	16	6158040440
A	14	50	21	6158040450
A	17	50	26	6158040460
A	19	50	26	6158040470
A	1/4"	44	12	6158040480
A	5/16"	44	12	6158040490
A	3/8"	47	16	6158040500
A	7/16"	50	18	6158040510
A	1/2"	50	19	6158040520
A	9/16"	50	21	6158040530
A	5/8"	50	24	6158040540

STUD RUNNER

PICTURE REF	THREAD A	SQUARE DRIVE	Ø	D	L	part no.
			mm	mm	mm	
B	M5 x 80	3/8"	15	19	55	6158041530
B	M6 x 100	3/8"	15	19	55	6158041610
B	M8 x 125	3/8"	17	19	55	6158041620
B	M10 x 150	3/8"	19	24	55	6158041540
B	M6 x 100	1/2"	22	24	65	6158041550
B	M8 x 125	1/2"	24	24	65	6158041630
B	M10 x 150	1/2"	24	24	65	6158041640
B	M12 x 175	1/2"	24	24	65	6158041650
B	M12 x 125	1/2"	24	24	65	903-108-0
B	M14 x 150	1/2"	24	24	65	903-118-0
B	M14 x 200	1/2"	24	24	65	6158041680
B	M16 x 200	1/2"	24	24	65	6158041580

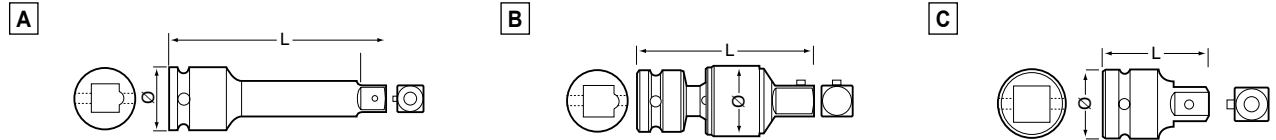
Stud Driver/Extractors



STUD DRIVER/EXTRACTORS – 5/16" HEX POWER

PICTURE REF	A	B	ADAPTOR	DRIVER/EXTRACTOR
	mm	mm	part no.	part no.
A	M4	18.2	15492	15262
A	M5	19.8	15492	15302
A	M6	12.7	15502	15332
A		14.3	15502	15342
A	M7	19.0	15502	15362
A	M8	19.0	15502	15372

Extensions – Universal Joints – Adaptors



EXTENSIONS

PICTURE REF	FEMALE SQUARE	SQUARE DRIVE	L	Ø	part no.
			mm	mm	
A	1/4"	1/4"	51	13	6158071050
A	1/4"	1/4"	75	13	6158071070
A	1/4"	1/4"	100	13	6158071100
A	1/4"	1/4"	150	13	6158071150
A	3/8"	3/8"	76	19	6158072070
A	3/8"	3/8"	152	19	6158072150
A	1/2"	1/2"	51	30	6158073050
A	1/2"	1/2"	127	30	6158073130
A	1/2"	1/2"	254	30	6158073250
A	3/4"	3/4"	102	44	6158075100
A	3/4"	3/4"	178	44	6158075170
A	1"	1"	178	54	6158076180
A	1"	1"	330	54	6158076330
A	1 1/2"	1 1/2"	330	86	6158078330
A	#5	#5	203	54	6158040340
A	#5	#5	381	54	6158040350

UNIVERSAL JOINTS

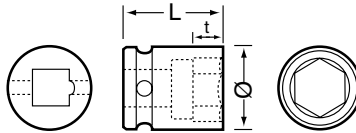
PICTURE REF	MALE SQUARE	SQUARE DRIVE	L	Ø	part no.
			mm	mm	
B	1/4"	1/4"	42	17	6158081010
B	3/8"	3/8"	60	20	6158082010
B	1/2"	1/2"	76	32	6158083010
B	3/4"	3/4"	89	44	6158085010
B	1"	1"	112	54	6158086010
B	1 1/2"	1 1/2"	162	86	6158088010
B	#4	#4	132	86	6158040320
B	#5	#5	143	86	6158040330

ADAPTORS

PICTURE REF	FEMALE SQUARE	SQUARE DRIVE	L	Ø	part no.
			mm	mm	
C	1/4"	3/8"	32	12.5	6158091200
C	3/8"	1/4"	31	22	6158092100
C	3/8"	1/2"	35	22	6158092300
C	1/2"	3/8"	35	25	6158093200
C	1/2"	3/4"	43	30	6158093500
C	3/4"	1/2"	52	44	6158095300
C	3/4"	1"	60	44	6158095600
C	1"	3/4"	67	54	6158096500
C	1"	1 1/2"	85	54	6158096800
C	#4	3/4"	90	60	6158040110
C	#4	1"	90	60	6158040120
C	#5	1"	90	60	6158040130
C	#5	1 1/2"	100	60	6158040140

Sockets

A



STANDARD 1/4" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	
		mm	mm	mm	part no.
A	4	25	7.5	4	6158051040
A	4.5	25	8	4	6158051450
A	5	25	8.5	4	6158051050
A	5.5	25	9	4	6158051550
A	6	25	9.5	5	6158051060
A	7	25	11	5	6158051070
A	8	25	12	6	6158051080
A	9	25	13	7	6158051090
A	10	25	14.5	7	6158051100
A	11	25	16	8	6158051110
A	12	25	17	8	6158051120
A	13	25	18	9	6158051130
A	14	25	19	9	6158051140

MAGNETIC 1/4" SQUARE DRIVE IMPACT SOCKETS

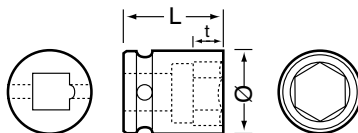
PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	
		mm	mm	mm	part no.
A	7	25	19	3	6158040050
A	8	25	19	4	6158040060
A	10	25	19	5	6158040070

STANDARD 3/8" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	
		mm	mm	mm	part no.
A	6	34	10	5	6158052060
A	7	34	11	6.5	6158052070
A	8	34	12	7.5	6158052080
A	9	34	13.5	8	6158052090
A	10	34	15	8	6158052100
A	11	34	16.5	9	6158052110
A	12	34	18	9	6158052120
A	13	34	19.5	10	6158052130
A	14	34	20.5	10	6158052140
A	15	34	22	10	6158052150
A	16	34	23	10	6158052160
A	17	34	24.5	10	6158052170
A	18	34	25.5	10	6158052180
A	19	34	27	11	6158052190
A	5/16"	30	13	7.5	6158052080
A	3/8"	30	14.5	4	6158042660
A	7/16"	30	17	6	6158042670
A	1/2"	30	19	6	6158042680
A	9/16"	30	20	7	6158042690
A	5/8"	30	24	8	6158042700
A	11/16"	30	24	9	6158042710

Sockets

A



EXTENDED 3/8" SQUARE DRIVE IMPACT SOCKETS

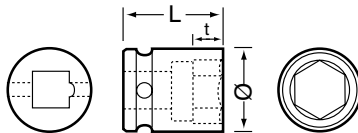
PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	8	57	12.5	8	6158062080
A	10	57	15.5	10	6158062100
A	11	57	17	11	6158062110
A	12	57	18	12	6158062120
A	13	57	19.5	13	6158062130
A	15	57	22	15	6158062150
A	16	57	23	16	6158062160
A	17	57	24.5	17	6158062170
A	18	57	25.5	18	6158062180
A	19	57	27	19	6158062190
A	3/8"	65	14.5	4	6158042720
A	7/16"	65	17	6	6158042730
A	1/2"	65	19	6	6158042740
A	9/16"	65	20	7	6158042750
A	5/8"	65	24	8	6158042760
A	11/16"	65	24	9	6158042770

STANDARD 1/2" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	10	38	16	8	6158053100
A	11	38	17.5	9	6158053110
A	12	38	19	9	6158053120
A	13	38	20.5	10	6158053130
A	14	38	22	10	6158053140
A	15	38	23.5	10	6158053150
A	16	38	24.5	10	6158053160
A	17	38	26	10	6158053170
A	18	38	27.5	10	6158053180
A	19	38	29	11	6158053190
A	20	38	30	12	6158053200
A	21	38	31	13	6158053210
A	22	38	32.5	13	6158053220
A	23	38	34	15	6158053230
A	24	45	35	15	6158053240
A	26	45	38	15	6158053260
A	27	50	39	16	6158053270
A	28	50	40	17	6158053280
A	29	50	41	17	6158053290
A	30	50	42.5	18	6158053300

Sockets

A



STANDARD 1/2" SQUARE DRIVE IMPACT SOCKETS continued

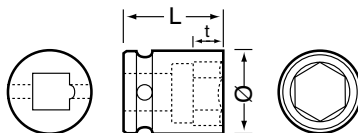
PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	3/8"	38	16	4	6158042780
A	7/16"	38	18	6	6158042790
A	1/2"	38	20	6	6158042800
A	9/16"	38	22	7	6158042810
A	5/8"	38	25	8	6158042820
A	11/16"	38	26	9	6158042830
A	3/4"	38	28.7	9.5	6158053190
A	13/16"	38	30	11	6158042840
A	7/8"	38	32	13	6158042850
A	15/16"	38	34	13	6158042860
A	1"	38	36	13	6158042870
A	1 1/16"	38	38.7	13	6158053270
A	1 1/8"	40	38	16.5	6158042880
A	1 3/16"	40	42	16.5	6158053300
A	1 1/4"	40	44	17	6158042890

EXTENDED 1/2" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	10	78	17	10	6158063100
A	11	78	18.5	11	6158063110
A	12	78	20	12	6158063120
A	13	78	21.5	13	6158063130
A	14	78	23	14	6158063140
A	15	78	23.5	15	6158063150
A	16	78	24.5	16	6158063160
A	17	78	26	17	6158063170
A	18	78	27.5	18	6158063180
A	19	78	29	19	6158063190
A	20	78	30	20	6158063200
A	21	78	31	23	6158063210
A	22	78	32.5	23	6158063220
A	23	78	34	25	6158063230
A	24	78	35	25	6158063240
A	27	78	39	26	6158063270
A	28	78	40	27	6158063280
A	30	78	43	30	6158063300
A	1/2"	78	20	6	6158042900
A	9/16"	78	22	7	6158042910
A	5/8"	78	25	8	6158042920
A	11/16"	78	26	9	6158042930
A	3/4"	78	28.7	9.5	6158063190
A	13/16"	78	30	11	6158042940
A	7/8"	78	32	13	6158042950
A	15/16"	78	34	13	6158042960
A	1"	78	36	13	6158042970
A	1 1/16"	78	38.7	13	6158063270
A	1 1/8"	78	40	16.5	6158042980

Sockets

A



STANDARD 3/4" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	18	50	31	12	6158055180
A	19	50	32	13	6158055190
A	21	50	35	13	6158055210
A	22	50	35	13	6158055220
A	24	50	39	15	6158055240
A	26	54	41	16	6158055260
A	27	54	42	16	6158055270
A	29	54	44	17	6158055290
A	30	54	46	18	6158055300
A	32	56	49	18	6158055320
A	33	56	51	20	6158055330
A	34	56	52	20	6158055340
A	36	56	54	20	6158055360
A	38	58	57	22	6158055380
A	41	58	61	22	6158055410
A	3/4"	45	36	9.5	6158055190
A	13/16"	46	35	11	6158042990
A	7/8"	46	40	13	6158043000
A	15/16"	46	41	13	6158043010
A	1"	46	43	13	6158043020
A	1 1/16"	48	46	13	6158055270
A	1 1/8"	52	48	16.5	6158043030
A	1 1/4"	52	51	16.5	6158043040
A	1 5/16"	55	54	17	6158043050
A	1 3/8"	56	54	19	6158043060
A	1 7/16"	56	54	19	6158043070
A	1 1/2"	59	60	22	6158055380

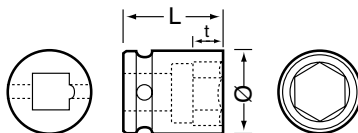
EXTENDED 3/4" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	18	100	32	18	6158065180
A	19	100	33	19	6158065190
A	21	100	36	21	6158065210
A	22	100	36	22	6158065220
A	24	100	40	24	6158065240
A	26	100	42	26	6158065260
A	27	100	43	27	6158065270
A	30	100	46	30	6158065300
A	32	100	49	32	6158065320
A	33	100	51	32	6158065330
A	34	100	52	32	6158065340
A	36	100	54	32	6158065360
A	38	100	57	35	6158065380
A	41	100	61	35	6158065410

EXTENDED 3/4" SQUARE DRIVE IMPACT SOCKETS – Inch sizes on page 30

Sockets

A



EXTENDED 3/4" SQUARE DRIVE IMPACT SOCKETS continued

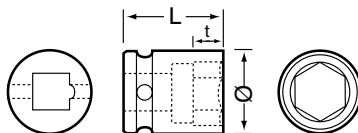
PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	3/4"	90	32	9.5	6158065190
A	13/16"	90	35	11	6158043080
A	7/8"	90	38	13	6158043090
A	15/16"	90	40	13	6158043100
A	1"	90	41	13	6158043110
A	1 1/16"	90	41	13	6158065270
A	1 1/8"	90	44	16.5	6158043120
A	1 1/4"	90	49	17	6158043130
A	1 5/16"	90	49	19	6158043140
A	1 1/2"	90	54	22	6158065380

STANDARD 1" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	24	59	38	15	6158056240
A	27	59	44	16	6158056270
A	29	59	48	17	6158056290
A	30	61	50	18	6158056300
A	32	61	52	19	6158056320
A	33	61	54	19	6158056330
A	34	61	54	19	6158056340
A	36	65	57	23	6158056360
A	38	65	59	23	6158056380
A	41	70	63	25	6158056410
A	42	70	64	25	6158056420
A	46	75	69	30	6158056460
A	50	80	75	32	6158056500
A	55	83	81	33	6158056550
A	60	83	87	33	6158056600
A	65	86	94	38	6158056650
A	3/4"	55	36	9.5	6158043150
A	13/16"	55	38	11	6158043160
A	7/8"	55	40	13	6158043170
A	15/16"	55	41	13	6158043180
A	1"	55	43	13	6158043190
A	1 1/16"	55	46	13	6158043200
A	1 1/8"	57	48	16.5	6158043210
A	1 3/16"	57	50	16.5	6158043220
A	1 1/4"	57	51	17	6158043230
A	1 5/16"	60	54	19	6158043240
A	1 3/8"	60	54	19	6158043250
A	1 7/16"	60	54	19	6158043260
A	1 1/2"	64	60	22	6158043270
A	1 5/8"	64	63	22	6158043280
A	1 11/16"	69	67	25	6158043290
A	1 3/4"	69	70	25.5	6158043300

Sockets

A

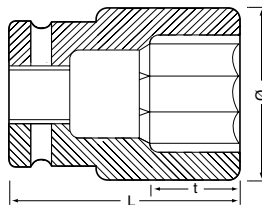


EXTENDED 1" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	24	100	39	24	6158066240
A	27	100	45	27	6158066270
A	30	100	51	30	6158066300
A	32	100	53	30	6158066320
A	33	100	54	30	6158066330
A	34	100	54	30	6158066340
A	36	100	57	33	6158066360
A	38	100	59	33	6158066380
A	41	100	63	35	6158066410
A	42	100	64	35	6158066420
A	46	115	69	35	6158066460
A	50	125	75	38	6158066500
A	55	125	81	40	6158066550
A	60	125	87	40	6158066600
A	65	135	94	42	6158066650
A	1 ¹ / ₁₆ "	100	46	13	6158043310
A	1 ¹ / ₈ "	100	48	16.5	6158043320
A	1 ¹ / ₄ "	100	51	17	6158043330
A	1 ⁵ / ₁₆ "	100	54	19	6158043340
A	1 ¹ / ₂ "	100	60	22	6158043350
A	1 ⁵ / ₈ "	100	63	22	6158043360
A	1 ³ / ₄ "	100	70	25.5	6158043370
A	2"	100	73	27	6158043380
A	2 ⁹ / ₁₆ "	100	92	35	6158043390
A	2 ³ / ₄ "	110	96	38	6158043400
A	3 ³ / ₈ "	116	115	49	6158043410
A	3 ³ / ₄ "	118	135	49	6158043420

Sockets

A



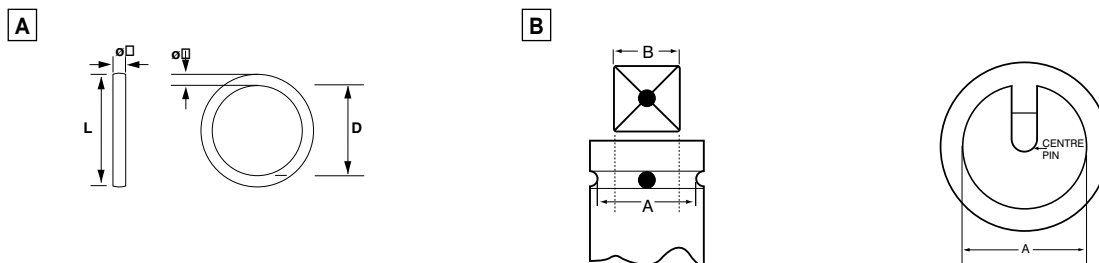
STANDARD 1 1/2" SQUARE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	50	87	81	25	6158058500
A	55	90	86	30	6158058550
A	60	95	94	38	6158058600
A	65	100	99	40	6158058760
A	70	105	105	42	6158058700
A	75	110	112	42	6158058750
A	80	110	119	42	6158058800
A	85	116	121	49	6158058850
A	90	120	131	50	6158058900
A	95	130	141	55	6158058950
A	1 3/4"	80	75	25.5	6158043670
A	2"	82	80	27	6158043680
A	2 3/16"	96	100	35	6158058700
A	2 3/4"	101	105	38	6158058750
A	3 3/8"	116	127	49	6158043690
A	3 3/4"	118	135	49	6158058950


STANDARD 5# SPLINE DRIVE IMPACT SOCKETS

PICTURE REF	SIZE ON FLATS	L	Ø	DEPTH t	part no.
		mm	mm	mm	
A	3/4"	70	48	9.5	6158043430
A	7/8"	70	48	13	6158043440
A	15/16"	70	48	13	6158043450
A	1"	70	49	13	6158043460
A	1 1/16"	70	51	13	6158043470
A	1 1/8"	70	51	16.5	6158043480
A	1 3/16"	70	54	16.5	6158043490
A	1 1/4"	75	60	17	6158043500
A	1 5/16"	77	60	19	6158043510
A	1 3/8"	77	60	19	6158043520
A	1 7/16"	77	63	19	6158043530
A	1 1/2"	80	63	22	6158043540
A	1 5/8"	80	67	22	6158043550
A	1 11/16"	84	67	25	6158043560
A	1 3/4"	84	73	25.5	6158043570

Socket Retention



PIN AND O-RING RETENTION

PICTURE REF	HEX SIZE		L	Ø	PIN	D	Ø	O RING
	mm		mm	mm	part no.	mm	mm	part no.
A	6-12	3/8"	16	3	6158043880	13	3.5	6158044020
A	13-19	3/8"	16	3	6158043880	16	3.5	6158044030
A	10-14	1/2"	20	3	6158043900	19	4	6158044040
A	15-30	1/2"	25	3	6158043910	24	4	6158044050
A	18-41	3/4"	35	4	6158043920	36	5	6158044060
A	24-65	1"	45	5	6158043930	45	7	6158044070
A	50-90	1-1/2"	75	6	6158043940	75	10	6158044080
A	95	1-1/2"	75	6	6158043940	90	10	6158044090

RETAINING RING IMPACT SOCKET RETAINER

PICTURE REF	A GROOVE DIAMETER SOCKET SIZE	B FOR USE ON SQUARE DRIVE	NUMBER ON RING	part no.
B	15/8"	3/4"	10034S	C134690
B	2 1/4"	1	10016S	C134692
B	3 3/8"	1 1/2"	10025S	C134694
B	3 7/8"	1 1/2"	10030S	C134695
B	4 3/8"	1 1/2"	10035S	C134696

Other Products

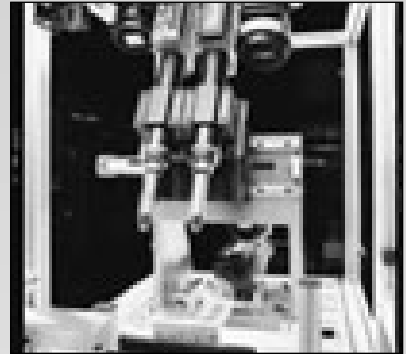
Drills



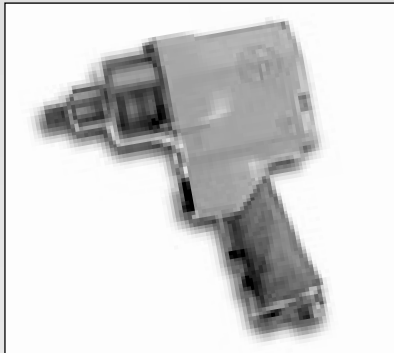
Pneumatic Motors



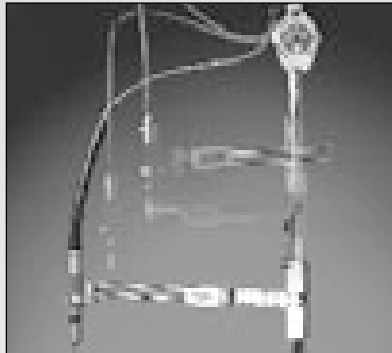
Auto Feed Drills and Tappers



Impact Wrenches



Installation Accessories



Riveting Tools



Fastening Tools



Grinders



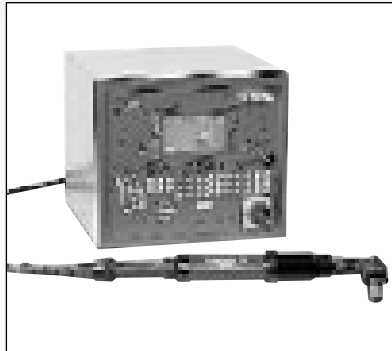
Sanders



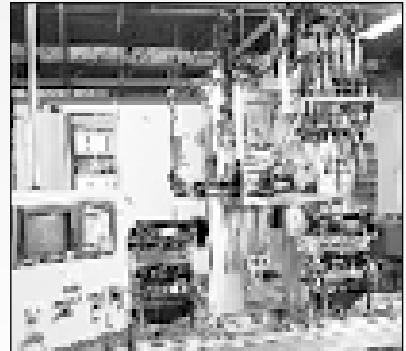
Measuring Units



Electric Nutrunners



Assembly Systems



Drilling Accessories

QUALITY ACCESSORIES • QUALITY ACCESSORIES • QUALITY ACCESSORIES



Drilling Accessories

Collets *page 36*

Chuck Adaptors *page 37*

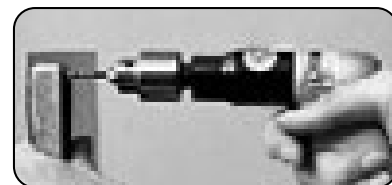
Rivet Milling Accessories *page 37*

Dust Extractor Kit *page 37*

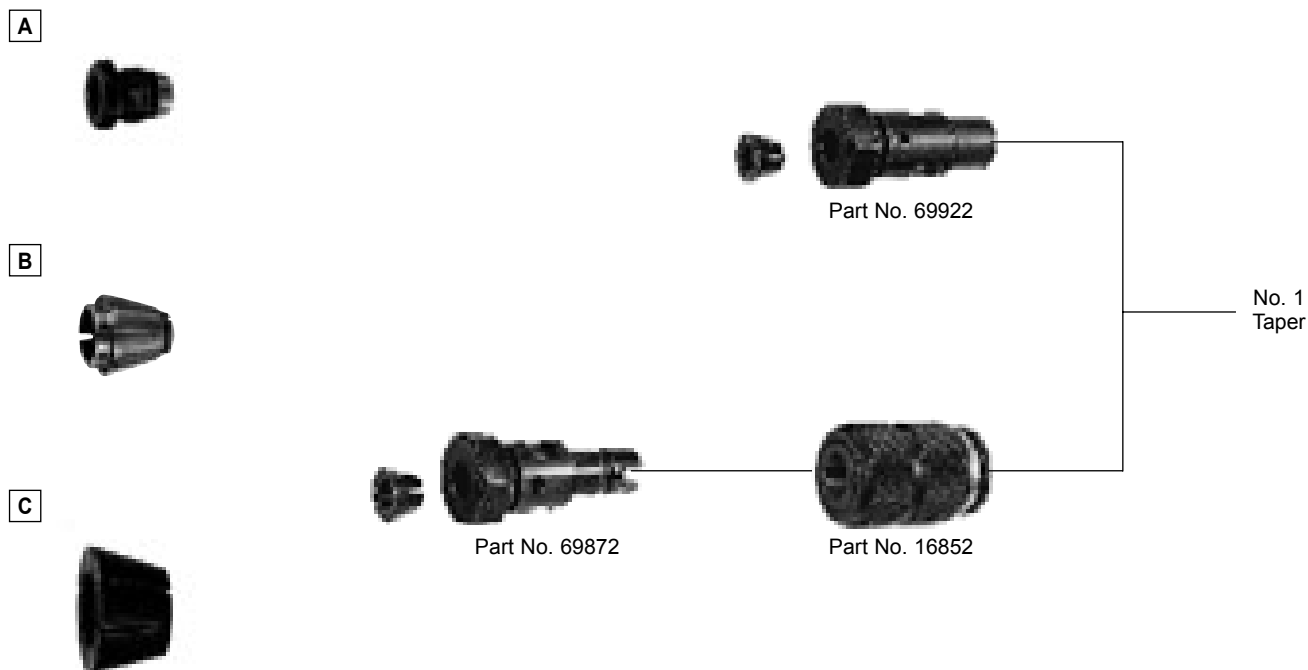
Adaptors, Chuck Keys,
Collet Chucks *page 38*



For further
technical details on
application of Drills
see publication LT1204



Drilling Accessories



COLLETS FOR C32, D32, D33, D370, F32

PICTURE REF	mm	part no.	mm	part no.	mm	part no.	mm	part no.
A	0.8	2152	2.0	2272	3.2	2392	4.4	2512
A	0.9	2162	2.1	2282	3.3	2402	4.5	2522
A	1.0	2172	2.2	2292	3.4	2412	4.6	2532
A	1.1	2182	2.3	2302	3.5	2422	4.7	2542
A	1.2	2192	2.4	2312	3.6	2432	4.8	2552
A	1.3	2202	2.5	2322	3.7	2442	4.9	2562
A	1.4	2212	2.6	2332	3.8	2452	5.0	2572
A	1.5	2222	2.7	2342	3.9	2462	1/16"	91442
A	1.6	2232	2.8	2352	4.0	2472	3/32"	91452
A	1.7	2242	2.9	2362	4.1	2482	1/8"	91462
A	1.8	2252	3.0	2372	4.2	2492	5/32"	91472
A	1.9	2262	3.1	2382	4.3	2502	3/16"	91482

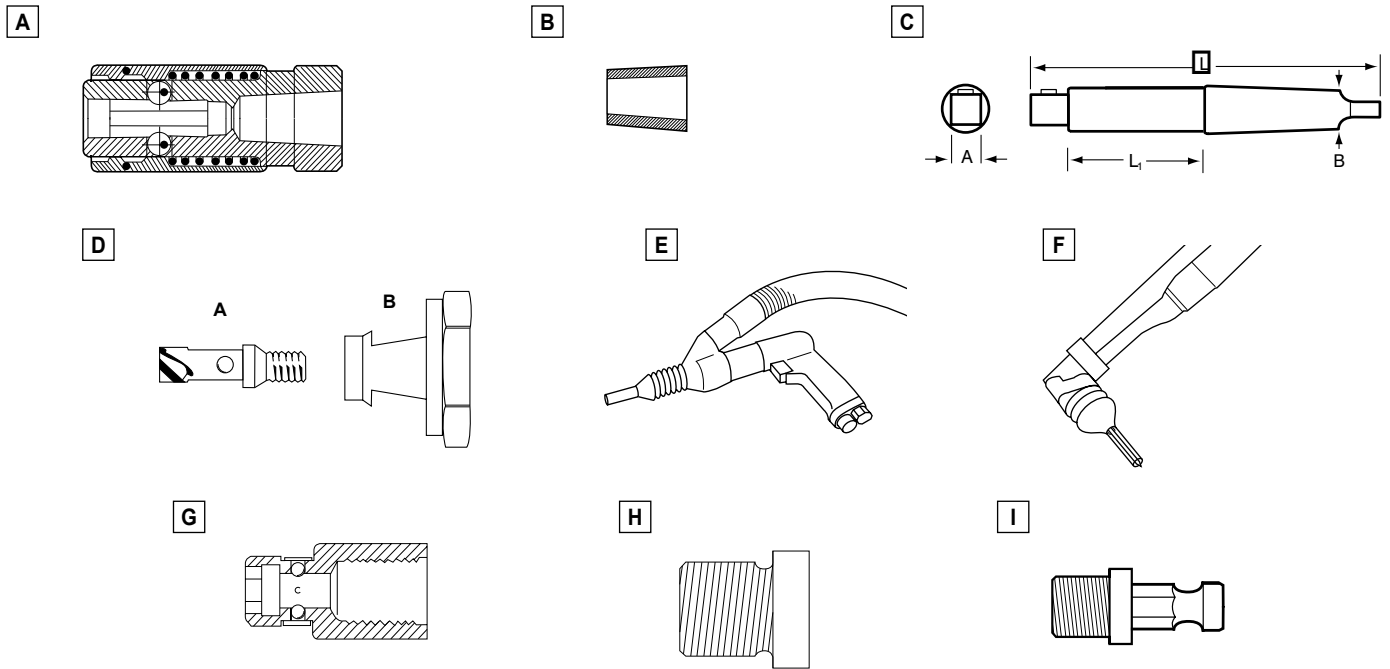
FOR D314, D315, D374

PICTURE REF	mm	part no.	mm	part no.	mm	part no.	mm	part no.
B	1.6	18922	3.0	18992	4.2	19062	5.4	19132
B	1.8	18932	3.2	19002	4.4	19072	5.6	19142
B	2.0	18942	3.4	19022	4.6	19082	5.8	19152
B	2.2	18952	3.6	19032	4.8	19092	6.0	19162
B	2.4	18962	3.8	19042	5.0	19102	6.2	19172
B	2.6	18972	4.0	19052	5.2	19122	6.4	19182
B	2.8	18982						

FOR D3141 & TAP HOLDER 69922/69872

PICTURE REF	mm	part no.	mm	part no.	mm	part no.	mm	part no.
C	2.4	2592	4.0	2672	5.6	2752	7.2	2832
C	2.6	2602	4.2	2682	5.8	2762	7.4	2842
C	2.8	2612	4.4	2692	6.0	2772	7.6	2852
C	3.0	2622	4.6	2702	6.2	2782	7.8	2862
C	3.2	2632	4.8	2712	6.4	2792	8.0	2872
C	3.4	2642	5.0	2722	6.6	2802	9.0	69882
C	3.6	2652	5.2	2732	6.8	2812	10.0	69892
C	3.8	2662	5.4	2742	7.0	2822		

Drilling Accessories



CHUCK ADAPTORS SCREWDRIVER BIT ADAPTOR, TAPER ADAPTOR & EXTERNAL HEX ADAPTOR

PICTURE REF	INSIDE THREADS OR TAPER	TO	OUTSIDE THREADS OR TAPER/INSIDE HEX	NOTES	part no.
A	Jacobs No 1		5/16" Desoutter hex	Quick release	27742
A	Jacobs No 1		1/4" hex E6.3	Quick release	31102
B	Jacobs No 1		Jacobs No 2		12243
B	Morse No 1		Morse No 2		30032
G	5/16" Desoutter hex		Jacobs No 1	Use with retaining screw 64888	95243
G	3/8" x 24		1/4" Hex E6.3	Positive retention	6158044190
H	3/8" x 24 UN		1/2" x 20 UN		68143
I	5/16" Desoutter hex		3/8" x 24 UN		70853

MORSE TAPER TO SQUARE DRIVE ADAPTOR

PICTURE REF	A	B	L ₁	L	part no.
	in.	MORSE TAPER	mm	mm	
C	1"	#4	28.6	178	C-065583

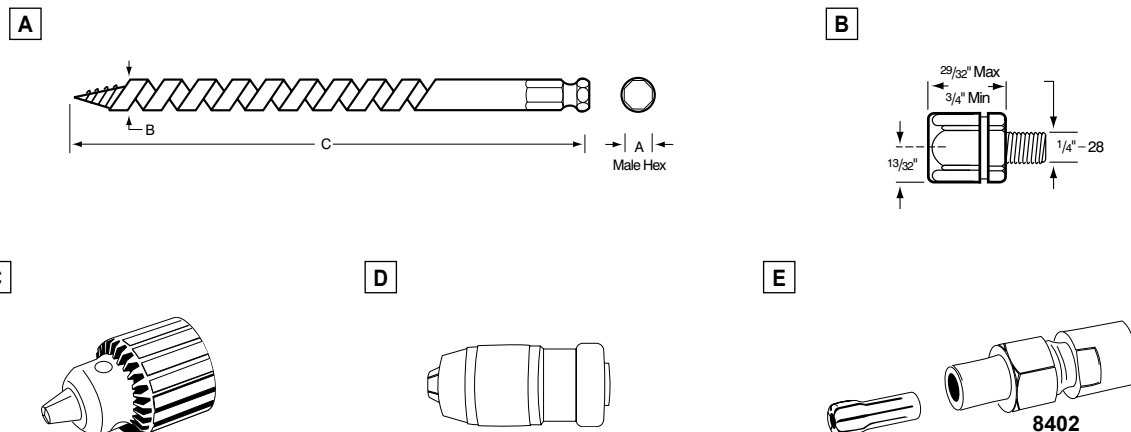
RIVET MILLING ACCESSORIES – CUTTERS & GUARDS

PICTURE REF	Ø CUTTER	MAX RIVET HEAD SIZE	A	B
	mm	mm	part no.	part no.
D	6.4	4.9	70572	18782
D	7.9	6.4	70582	18792
D	9.5	7.9	70592	18802
D	11.1	9.5	70602	18822
D	12.7	11.1	70622	18832
D	14.3	12.7	-	18842

DUST EXTRACTOR KIT

PICTURE REF	FOR TOOL TYPE	NOTES	part no.
E	C220, C22	Requires chuck guard 393793	53242
E	D22, D23		53242
F	D32, C32, F32		94972

Drilling Accessories



HEX. DRIVE WOOD AUGERS

PICTURE REF	A MALE HEX.	B AUGER DIA.	C OVERALL LENGTH	part no.
	mm	mm	mm	
A	11.1	14.3	457	C-050879
A	11.1	20.6	457	C-050883
A	11.1	17.4	457	C-050884

CONE-JAW CHUCK

PICTURE REF	CHUCK CAPACITY	part no.
	mm	
B	6.3	C-094339

CHUCKS AND KEYS

PICTURE REF	TO SUIT OUTPUT SPINDLE	CAPACITY (MAX)	CHUCK & KEY	CHUCK KEY	USED ON
		mm	part no.	part no.	
C	5/16 UNF	4	103082	29932	C220
C	3/8 UNF	6.5	28942	29182	C22
C	JTI (tapered shaft)	6.5	29492	29182	D22
C	3/8 UNF	8	410203*	410213	D23
C	JTI (tapered shaft)	10	29042	29232	F251
C	1/2 UNF	13	29142	29242	H26 (>2000rpm)
C	5/8 UNF	13	29122	29242	H26 (<800rpm)
General Purpose Keyless Chuck					
D	3/8 UNF	10	94952	-	1274
Precision Keyless Chucks					
D	3/8-24 UNF (34mm dia)	6.5	98722	-	D23
D	3/8-24 UNF (36mm dia)	10	98772	-	D23
D	1/2-20 UNF (36mm dia)	10	98742	-	H26-P-2800 & 2000
D	Jacobs Taper 1 (36mm dia)	10	98782	-	F251

* 410203 not supplied with key

PRECISION COLLET CHUCK

PICTURE REF	DRIVE	LENGTH	DIAMETER	COLLET CAPACITY	COLLET
		mm	mm	mm	part no.
E	No. 1 Taper	53	18.5	0.25 - 1	34602
E	No. 1 Taper	53	18.5	0.75 - 1.5	34622
E	No. 1 Taper	53	18.5	1.25 - 2	34632
E	No. 1 Taper	53	18.5	1.75 - 2.5	34642
E	No. 1 Taper	53	18.5	2.25 - 3	34652
E	No. 1 Taper	53	18.5	2.75 - 3.5	34662
E	No. 1 Taper	53	18.5	3.25 - 4	34672
E	No. 1 Taper	53	18.5	3.75 - 4.5	34682
E	No. 1 Taper	53	18.5	4.25 - 5	34692
E	No. 1 Taper	53	18.5	4.75 - 5.5	34702
E	No. 1 Taper	53	18.5	5.25 - 6	34722
E	No. 1 Taper	53	18.5	5.75 - 6.5	8482

Abrasive Accessories

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Abrasive Accessories

Pads *pages 40-41*

Belts, Brushes *page 42*

Wheels *page 43*

Polishing/Dust Extraction *page 44*

Carbide Burrs *page 45*

Mounted Points *page 46*



Abrasive Accessories

A



B



C



D



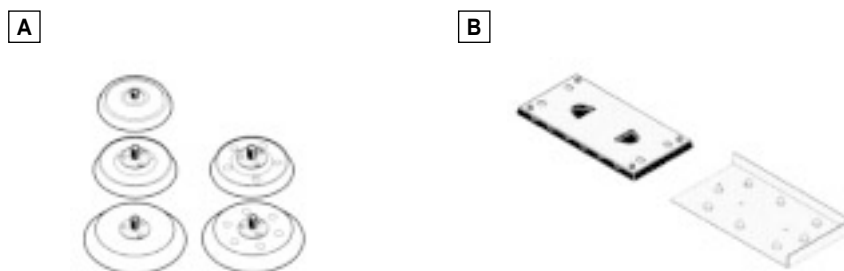
E



SANDING PADS

PICTURE REF	Ø ABRASIVE DISCS	SHAFT		TEXTURE	MAXIMUM OPERATING SPEED	Ø CENTER HOLE	
	mm		use with		rpm	mm	part no.
A	178	M14x200 & 5/8"-11f	KA11075-KA11060-KA90..A/B - CP3119-7A - KL2.5B-KL360B-KL165B-KA165B	soft	8,500	22.2	6159901330
A	178	M14x200 & 5/8"-11f	KA11075-KA11060-KA90..A/B - CP3119-7A - KL2.5B-KL360B-KL165B-KA165B	hard	8,500	22.2	6159901340
A	200	M14x200	KA90..A16	foam - medium	3,000		6159901390
A	230	5/8"-11f	KL2.5B-KL360B	hard	6,500	22.2	6159901410
A&B	125	M14x200 & 5/8"-11f	KA11120A	hard	12,000	22.2	6159901270
B	125	M14x200 & 5/8"-11f	KA11120A	medium	12,000	22.2	6158040740
C	150	M14x200	KA11075A-KA11060A-KA90..A	hard with velcro	10,000	22.2	6159901370
C	150	5/8"-11f	KA11075B-KA11060B-KA90..B	hard with velcro	10,000	22.2	6159901380
C	178	M14x200	KA11075A-KA11060A-KA90..A	hard with velcro	8,700	22.2	6159901450
C	178	5/8"-11f	KA11075B-KA11060B-KA90..B - CP3119-7A	hard with velcro	8,700	22.2	6159901460
D	150	M14x200	KA90..A16	foam - medium	3,800		6159901350
D	150	5/8"-11f	KA90..B16 - CP3109 - 2/3WF	foam - medium	3,800		6159901360
D	178	M14x200	KA90..A16	foam - medium	3,200		6159901400
D	178	5/8"-11f	KA90..B16 - CP3109 - 2/3WF	foam - medium	3,200		6159901440
D	200	5/8"-11f	KA90..B16 - CP3109-2/3WF	foam - medium	3,000		6159900150
E	178	5/8"-11f		Spiracool rubber	8,500	22.2	S091836
E	230	5/8"-11f		Spiracool rubber	6,500	22.2	S091839

Abrasive Accessories



SANDING PADS FOR 5534/5674 RANDOM ORBITAL SANDERS

PICTURE REF	TYPE	part no.	TYPE	part no.
A	152mm Vinyl	51422	152mm Vinyl	50992
A	152mm Hook & loop fixing*	51972	(3M – standard)	
A	152mm Vinyl*	52792	152mm Hookit*	101402
A	152mm Hook & loop fixing*	52882	152mm Stikit*	101382
A	152mm Vinyl*	52792	(3M – soft)	
A	152mm Hook & loop fixing*	52882	152mm Hookit*	104542

* Vacuum pad

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SANDING PADS FOR RANDOM ORBITAL SANDERS

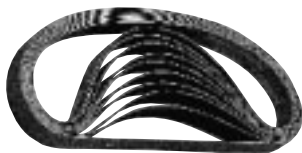
PICTURE REF	Ø		WEIGHT	TYPE		TYPE	
	mm	use with			part no.		part no.
A	110	SC2 (P) All versions	85	Velcro	6159901020	Vinyl	6159901010
A	125	SC3 (P) - CP3575SP - CP3565SH	105	Velcro	6159901230	Vinyl	6159901110
A	150	SC4 (P) - SNR815 - CP3576SP - CP3566SH	140	Velcro	6159901250	Vinyl	6159901190
A	125	SC3 (P) 8/14 - CP3575 VP-CP3565VH	105	Velcro 5 holes	6159901240	Vinyl 5 holes	6159901100
A	150	SC4 (P) 8/14 and SNR815... VI/VE - CP3576VP - CP3566VH	140	Velcro 6 holes	6159901260	Vinyl 6 holes	6159901180

SANDING PADS AND BASE PLATES FOR ORBITAL SANDERS

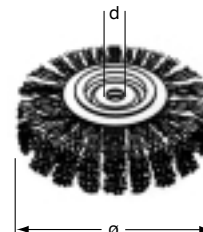
PICTURE REF	DIMENSION		TYPE		BASE PLATE USED WITH	
	mm	use with		part no.		part no.
B	150 x 75	SV2/CP3551	Vinyl	6153500170	SV2	6159900930
B	170 x 93	SV3/SN083/CP3553	Vinyl	6153500180	SV3	6159900940
B	215 x 113	SV4	Vinyl	6153500190	SV4	6159900950

Abrasive Accessories

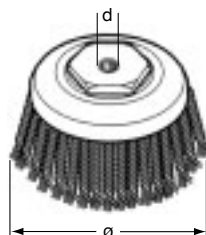
A



C



B



SANDING BELTS

PICTURE REF	BELT LENGTH	BELT WIDTH	PART NO. BY GRIT				
			P40	P50	P60	P80	P100
	mm	mm					
A	480	16	6158483130	6158483140	6158483150	6158483160	6158483170
A	480	20	6158483230	6158483240	6158483250	6158483260	6158483270
A	480	25	6158483330	6158483340	6158483350	6158483360	6158483370

PICTURE REF	BELT LENGTH	BELT WIDTH	PART NO. BY GRIT			
			P120	P150	P180	P240
	mm	mm				
A	475	16	6158483180	6158483190	6158483200	
A	480	20	6158483280	6158483290	6158483300	6158483310
A	480	25	6158483380	6158483390		

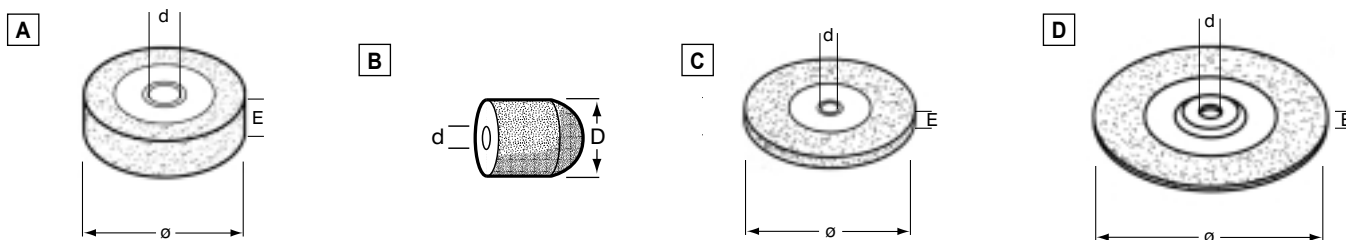
CUP BRUSHES

PICTURE REF	FREE SPEED	Ø	THREAD d	TYPE	GRIT Ø	part no.
B	6500	80	5/8" - 11f.	Stranded Wire	5/10	6158040650
B	4500	100	5/8" - 11f.	Wavy Wire	3/10	6158040730
B	4500	100	5/8" - 11f.	Wavy Wire	5/10	6158040660
B	6500	120	5/8" - 11f.	Wavy Wire	3/10	6158040670
B	4500	150	5/8" - 11f.	Wavy Wire	3/10	6158040690
B	4500	150	5/8" - 11f.	Stranded Wire	8/10	6158040710
B	6500	120	5/8" - 11f.	Stranded Wire	8/10	6158040680

RADIAL-WIRE BRUSHES

PICTURE REF	FREE SPEED	Ø	THREAD d	TYPE	WIRE Ø	part no.
C	4500	100	15.8	Wavy Wire	5/10	6158541550
C	4500	150	15.8	Wavy Wire	3/10	6158581530

Abrasive Accessories



STRAIGHT GRINDING WHEEL WHEEL TYPE 01 FOR STEEL

PICTURE REF	FREE SPEED	Ø	E	d	part no.
	rpm				
A	15000	63	12.7	9.5	6158400600
A	12000	80	20	12.7	6158400810
A	9500	100	25	15.8	6158401000
A	6400	150	25	15.8	6158401500

STRAIGHT GRINDING WHEEL WHEEL TYPE 18R FOR STEEL

PICTURE REF	FREE SPEED	D	d	part no.
	rpm			
B	15000	63	5/8" x 11f	6158400630
B	12000	76	5/8" x 11f	6158400830

REINFORCED WHEEL TYPE 41 (1R) FOR STEEL

PICTURE REF	FREE SPEED	D	E	d	part no.
	rpm				
C	20000	76	1.8	9.5	6158420810
C	20000	76	6.4	9.5	6158420850
C	10000	150	25	25	6158421500

DEPRESSED CENTRE WHEEL TYPE 27 & 42* FOR STEEL

PICTURE REF	FREE SPEED	D	E	d	part no.
	rpm				
D	20000	76	2.5	10	6158410060*
D	20000	76	7.0	10	6158410030
D	15000	100	3.2	15.8	6158411030
D	15000	100	6.4	15.8	6158411060
D	12000	127	1.8	22.2	6158421270
D	12000	127	3.2	22.2	6158411230
D	12000	127	4.8	22.2	6158411250
D	12000	127	6.4	22.2	6158411260

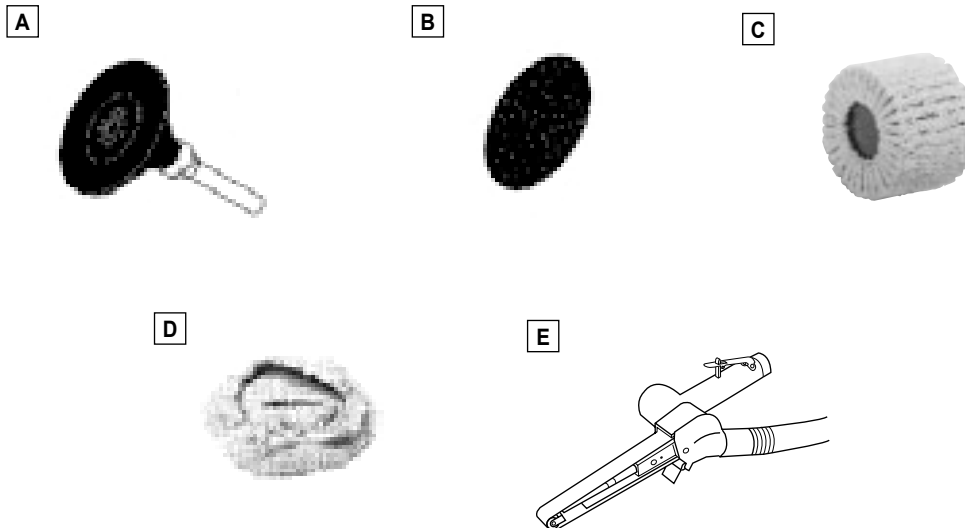
WHEEL ADAPTOR KIT

DESCRIPTION	part no.
7/8" hole, for non-hub, Type 27 grinding wheels Kits include: Backing pad, Adaptor, Nut and Wrench	C087920

CONE SPACER

THREAD SIZE	part no.
3/8" - 24 Female	C050901

Abrasive Accessories



BACKING PAD WITH 6mm Ø SHANK

PICTURE REF	SPEED	Ø	
	rpm	mm	part no.
A	25000	50	6158040980

ABRASIVE DISCS

PICTURE REF	SPEED	GRIT	
	tr/min		part no.
B	25000	P40	6158040990
B	25000	P60	6158041000
B	25000	P80	6158041010
B	25000	P120	6158041020

POLISHING ACCESSORIES

SISAL BRUSH

PICTURE REF	DIAMETER	THREAD SIZE	
	mm		part no.
C	178	3/8 UNF Female	70852

LAMBSWOOL POLISHING MOP 7" Ø

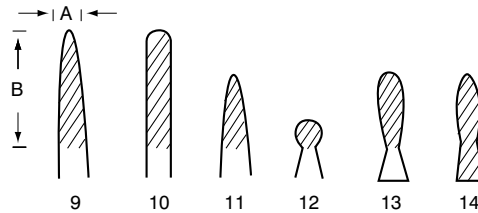
PICTURE REF		
	use with	part no.
D	H 700, SNC018	9092008701

DUST EXTRACTION HOOD KIT

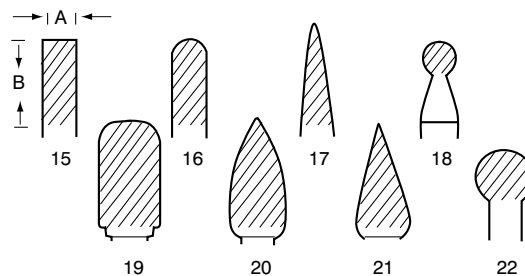
PICTURE REF		
	use with	part no.
E	F 761	6155705550 + 6156161180 Screw

Abrasive Accessories

A



B



COLLET GRINDER ACCESSORIES


Tungsten Carbide Burrs are suitable for cutting unhardened and hardened steels, stainless, weld seams, steel castings, light and non-ferrous metals, plastics.

TUNGSTEN CARBIDE BURRS 3mm Ø SHANK Can also be used with collet type 200 & 300 Series (1/8")
Tool models 05, AS11, AS147, DB700 must be fitted with 3mm collet

PICTURE REF		A	B	
		mm	mm	part no.
A	9	3	13	38122
A	10	3	13	38132
A	11	3	8	38142
A	12	3	3	38152
A	13	3	8	38162
A	14	3	8	38172

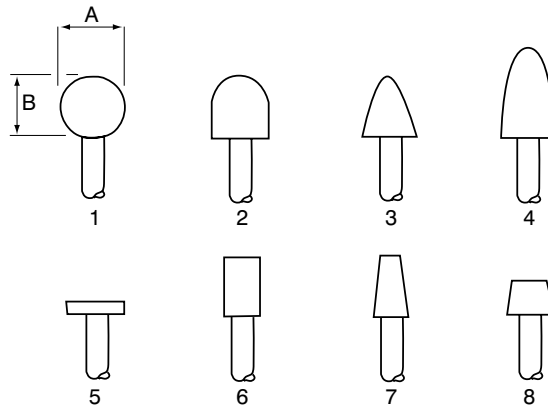
TUNGSTEN CARBIDE BURRS 6mm Ø SHANK Can also be used with collet type 200 & 300 Series (1/4")

PICTURE REF		A	B	
		mm	mm	part no.
B	15	6	13	38182
B	16	6	16	38192
B	17	6	19	38202
B	18	6	6	38222
B	19	10	19	36122
B	20	10	19	36132
B	21	10	19	36142
B	22	10	10	38232

 Recommended speeds for Carbide Burrs with 12.7mm or 1/2" spindle overhang: see table on page 57

Abrasive Accessories

A



COLLET GRINDER ACCESSORIES

Aluminium Oxide Mounted Points are available in red grades. Red grades are suitable for grinding high tensile materials such as ordinary and alloy steels, high speed steel and annealed malleable iron.

MOUNTED POINTS 3mm Ø SHANK – RED Can also be used with collet type 200 & 300 Series (1/8")

Tool models 05, AS11, AS147, DB700 must be fitted with 3mm collet

PICTURE REF		MAX* SPEED	A	B	part no.
		r/min	mm	mm	
A	1	104000	5	5	38582
A	3	104000	5	8	38522
A	6	81000	6	6	38632
A	7	105000	4	4	38562
A	8	81000	6	6	38542

MOUNTED POINTS 6mm Ø SHANK – RED Can also be used with collet type 200 & 300 Series (1/4")

PICTURE REF		MAX* SPEED	A	B	part no.
		r/min	mm	mm	
A	1	59000	16	16	435983
A	2	50000	20	16	435993
A	3	45000	20	28	436003
A	4	48000	20	32	436013
A	5	53000	20	22	436023
A	6	40000	13	25	436033
A	6	38000	25	3	436043

* Maximum permissible speed with 12.7mm or 1/2" spindle overhang.

Cutting, Cleaning & Rivetting Accessories

QUALITY ACCESSORIES • QUALITY ACCESSORIES • QUALITY ACCESSORIES



Cutting, Cleaning & Rivetting Accessories

Saw Blades *page 48*

Dust Extractor *page 48*

Rivet Sets *page 49*

Retainers *page 50*

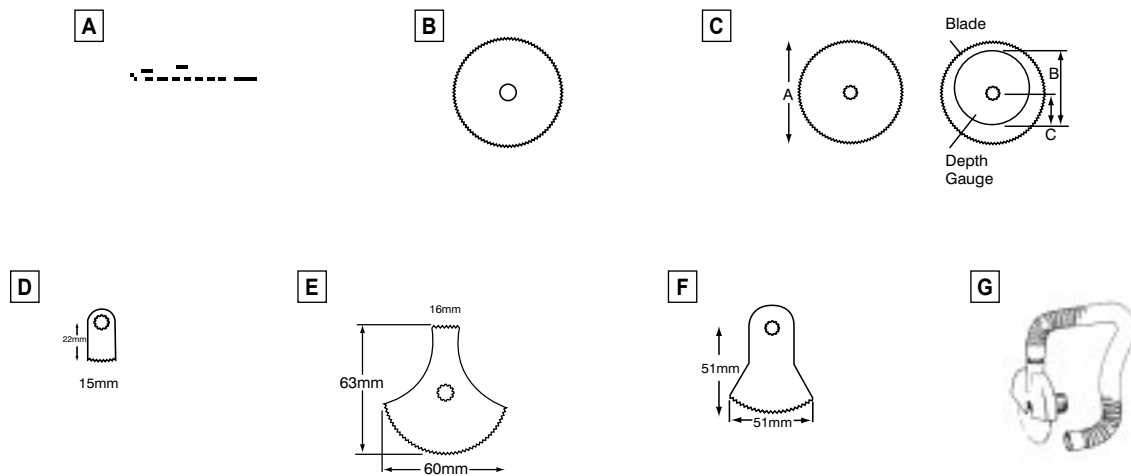
Chisels *page 51*

Compression Rivetter
Accessories *pages 52-53*

Engraving Needles *page 54*



Cutting, Cleaning & Rivetting Accessories



SAW BLADES FOR SWL9500

PICTURE REF	LENGTH	TOOTH PITCH	part no.
	mm	mm	
A	75	1.0	80132
A	75	1.8	80152

SAW BLADES FOR S144 & D144

PICTURE REF	BLADE	CENTRE HOLE	TOOTH PITCH	MAX. CUTTING DEPTH	APPLICATION	USED ON AIR SAW	part no.
	Ø mm	Ø mm	mm	mm			
B	45	10	1.75	5	Soft steel to 1.2mm	S144	76362
B	50	10	2.5	7.5	Soft steel over 1.2mm	S144	76372
B	50	10	1.75	7.5	Hard steel to 1.2mm	S144	76382
B	50	10	4.75	7.5	Aluminium	S144	76392
B	64	13	plain O.D. diamond coated	-	Fibreglass, plastics, ceramics	D144	32732
B	64	13	2.5	-	Plywood, hardboard, laminated hardboard	D144	34252

SAW BLADES FOR D170

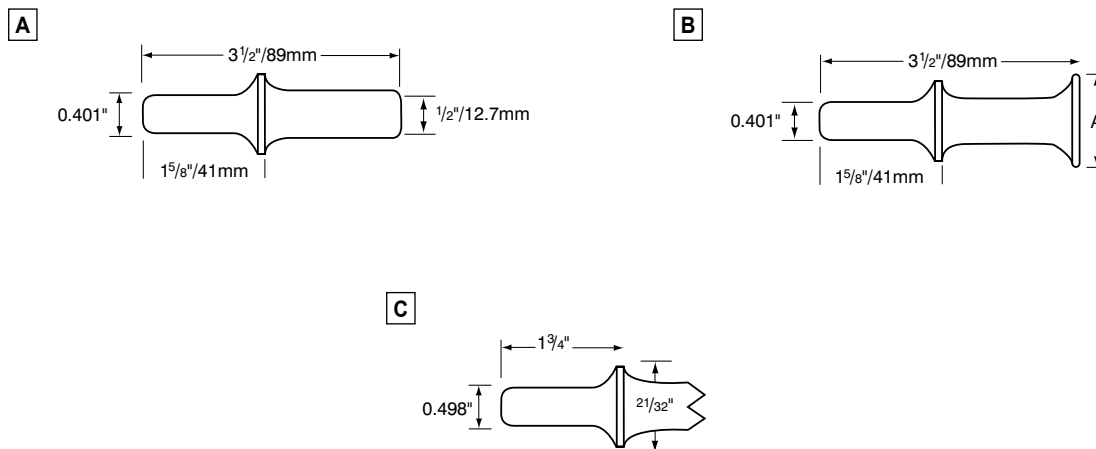
PICTURE REF	ØA	TYPE	APPLICATION	DEPTH GAUGE		part no.
				ØB	ØC	
	mm			mm	mm	part no.
C	63.5	Plain O.D. diamond coated		44.5	19	16962
C	63.5	1.2mm pitch diamond coated	Fibreglass	63.5	26.6	90722
C	80	1.2mm pitch diamond coated				90732
C	51	1.5mm pitch	Soft wood			90782
C	63.5	1.8mm pitch	and			90792
C	76	1.5mm pitch	Cardboard			90802
C	63.5	1.2mm pitch	Plastics			90762
C	80	1.2mm pitch				90772
D		Segment blade	Soft wood			90822
F		Segment blade	and			90832
E		Segment blade	Cardboard			90842

DUST EXTRACTOR HOOD FOR D170

PICTURE REF	Ø	part no.
	mm	
G	32	78472

Kit contains hood plus 3m/10ft length of extraction hose with Ø 32mm/1¼" ID inlet.

Cutting, Cleaning & Rivetting Accessories



RIVET SETS FOR CP-4444 & CP-4450 HAMMERS

Type I Rivet Sets Shank for CP-4444 & CP-4450 Riveting Hammer

PICTURE REF	RIVET HEAD CUPPING (See pages 58 & 59)	RIVET SET PART NUMBERS BY RIVET BODY DIA.				
		3/32" (2.4mm)	1/8" (3.2mm)	5/32" (4.0mm)	3/16" (4.8mm)	1/4" (6.4mm)
A	Round (AN-430)	P089206	P089207	P089208	P089209	P089210*
A	Brazier (AN-455)	P089211	P089212	P089213		P089215*
A	Universal (AN-470)	P089221	P089222	P089223	P089224	P089225*
A	Soft Blank Set	P071108				
A	Hardened Blank Set	P080178				

* Must use Light Wire Quick-Change Retainer, A-046095 with these sets.

Type I Flush Rivet Sets

PICTURE REF	A	.401" SHANK	.498" SHANK
	mm		
B	25.4	A046090	
B	31.8	A089232	A047091
B	38.1	A089233	
B	44.5	A046091	

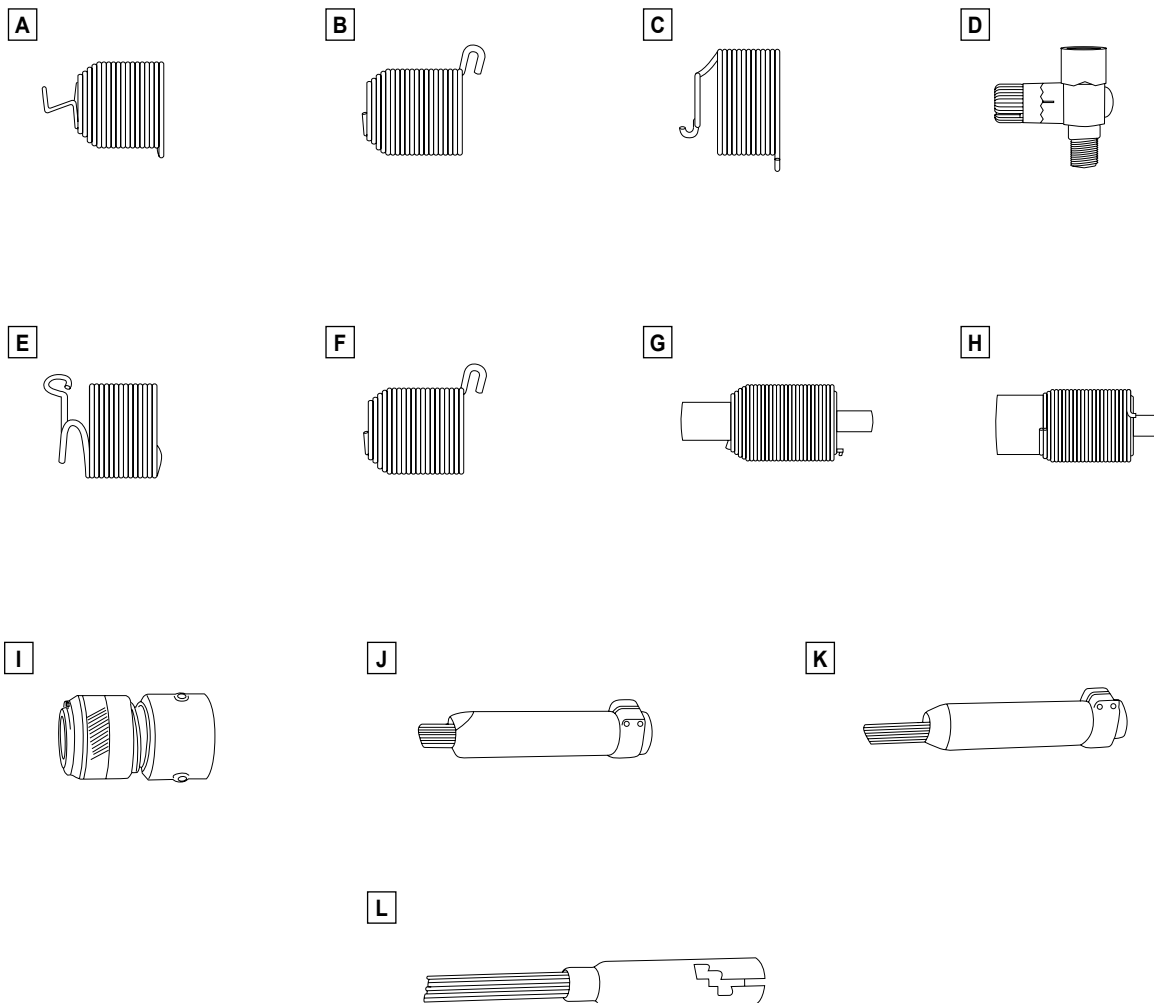
RIVET SETS FOR CP-4447 & CP-4475 HAMMERS WITH .498" SHANK SIZE

Type D Rivet Sets

PICTURE REF	RIVET HEAD CUPPING (See pages 58 & 59)	RIVET SET PART NUMBERS BY RIVET BODY DIA.		
		3/16" (4.8mm)	1/4" (6.4mm)	5/16" (8.0mm)
C	Round (AN-430)	P089240	P089241	P089242*
C	Brazier (AN-455)	P089244	P089245	
C	Modified Brazier (AN-456)	P089248	P089244	P089245*
C	Universal (AN-470)	P089252	P089253	P089254*
C	Soft Blank Set	P070995		
C	Hardened Blank Set	P080198		

* Must use Standard Wire Quick-Change Retainer, A-047095 with these sets

Cutting, Cleaning & Rivetting Accessories



ATTACHMENTS AND RETAINERS FOR CP-4444, CP-4450 & CP-4447

PICTURE REF	TYPE		
	use with		part no.
A	CP-4444, 4450	Zip-Quick Retainer	A046094
B	CP-4444, 4450	Beehive Retainer	A046096
C	CP-4444, 4450	Light Wire Quick-Change Retainer	A046095
D		Air Inlet Regulation - 1/4" NPT	CA085203
E	CP-4447	Wire Quick-Change Retainer	A047095
F	CP-4447	Beehive Retainer	A047096
G	CP-4447	Nail Driving Attachment for 20-60 Penny Nail Size (for use with CP-4447 RUSAB)	P042448
H	CP-4447	Nail Driving Attachment for 12" Spikes (for use with CP-4447 RUVAB)	P047810
I	CP-4444/4447/9311/ 711/9315/715	Quick Change Retainer	A121721

NEEDLE SCALER ATTACHMENTS FOR HAMMERS

PICTURE REF	DESCRIPTION		
			part no.
J	For CP-0456-LASAV	Rectangular Nose	P103106
K	For CP-0456-LASAN	Round Nose	P103105
L	For CP-9356-NS	Round Nose	P136983

Cutting, Cleaning & Rivetting Accessories



CHISELS FOR CP-0456, CP-0457, CP-0458 AND CP-9356 WELD FLUX CHIPPERS

PICTURE REF	TYPE WF, B STYLE CHISEL	OVERALL LENGTH	TYPE WF FOR CP-0456, CP-0457, CP-0458 WITH WF RETAINER	TYPE B FOR CP-9356 WITH B RETAINER
	(see point illustrations above)	mm	part no.	part no.
A	Round Nose, 1/4" (6.4mm) face	191	P073222	-
B	Flat Chisel, 5/8" (15.9mm) face	102	P073781	WP123997
B	Flat Chisel, 5/8" (15.9mm) face	191	P073225	WP123996
B	Flat Chisel, 1 3/8" (35mm) face	102	P072213	-
B	Flat Chisel, 1 3/8" (35mm) face	165	-	WP123998
B	Flat Chisel, 1 3/8" (35mm) face	229	P084175	-
B	Flat Chisel, 1 3/8" (35mm) face	305	P084176	-
B	Flat Chisel, 1 3/8" (35mm) face	457	P084177	-
B	Flat Chisel, 1 3/4" (44mm) face	213	P070982	-
B	Angle Scaling 1 3/8" (35mm) face	165	P084376	WP123999
C	Cape, 1/4" (6.4mm) face	191	P073224	-
D	Diamond Pt. 1/4" (6.4mm) face	191	P073223	WP123995
	Peening Tool, 3/16" (14.8mm) Spher. Rad.	102	P072215	-
	Chisel Blank	178	P008917	WP123994

NEEDLE SETS FOR CP-0456, CP-0951, CP-0952, CP-9356 HAMMERS

DIAMETER	LENGTH	NO. NEEDLES PER SET	STEEL
mm	mm		part no.
3	178	19	P100146
2	178	29	NP123905
2	178	53	NP123906
2.4	178	14	NP123934
3	127	19	P136403
3	178	12	NP123901
3	178	19	P100146
3	178	23	NP123902
3	178	28	NP123903

DIAMETER	LENGTH	NO. NEEDLES PER SET	STEEL NEEDLEPAK
mm	mm		part no.
3	178	250	NP137638

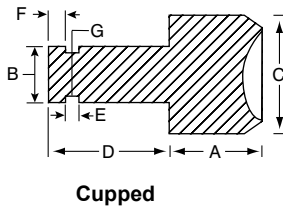
DIAMETER	LENGTH	NO. NEEDLES PER SET	BERYLLIUM
mm	mm		part no.
3	178	19	P106455

DIAMETER	LENGTH	NO. NEEDLES PER SET	BERYLLIUM NEEDLEPAK
mm	mm		part no.
3	178	100	P137855

DIAMETER	LENGTH	NO. NEEDLES PER SET	STAINLESS
mm	mm		part no.
3	178	19	P106454

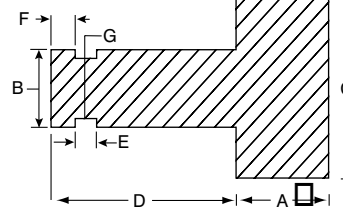
Cutting, Cleaning & Rivetting

A



Cupped

B



Flush

COMPRESSION RIVETERS ACCESSORIES

INSTRUCTIONS FOR SELECTING RIVET SETS TO FIT CP-0214, CP-0351 RIVETERS

To develop maximum power, the riveter must drive the rivet near the end of the riveter's stroke. For maximum power the combined length of the two rivet sets must be of the correct length. Determine the correct lengths as follows:

When two cupped rivet sets are used

The sum of dimensions "A" of the two rivet sets should equal the closed height dimension of the yoke minus the total thickness of material being riveted.

When one cupped set and one flush set are used

The sum of dimensions "A" of the two rivet sets should equal the closed height dimension of the yoke minus the total thickness of the material being riveted and the height of the finished rivet head driven by the flush set.

When two flush sets are used

The sum of dimensions "A" of the two rivet sets should equal the closed height dimension of the yoke minus the overall length of the rivet after it is driven. If necessary, select rivet sets a little short and shim to proper length with hardened shims listed on page 53. The closed height dimension of the yoke referred to above is the opening available when jaws or plunger are in extreme closed or forward position with both rivet sets removed.

Compression Rivet Sets

(Complete with retaining rings). Minimum Order: 6 of any part number.

Note: Illustrations above show one rivet set each. Part numbers are for one set, not a pair.

CR-1 SHANK RIVET SETS FOR CP-0214 AND CP-0351 – CUPPED SETS

PICTURE REF	RIVET DIA.	A BODY LENGTH	AN-435 BUTTON	AN-430 ROUND	AN-455 BRAZIER	AN-456 MODIFIED BRAZIER	AN-470 UNIVERSAL	AN-442 FLAT
	mm	mm	part no.	part no.	part no.	part no.	part no.	part no.
A	2.4	6.4	P091601	P089370	P089390	P089410	P089430	P091621
A		9.5	P091602	P089371	P089391	P089411	P089431	P091622
A		12.7	-	-	-	P089412	P089432	P091623
A	3.2	6.4	P091606	P089375	P089395	P053826	P089435	P091626
A		9.5	P091607	P089376	-	P053827	P089436	P091627
A		12.7	P091608	P089377	P089397	-	P089437	P091628
A	4.0	6.4	P091611	P089380	P089400	P053831	P089440	P091631
A		9.5	P091612	P089381	P089401	P053832	P089441	P091632
A		12.7	P091613	P089382	P089402	P053833	P089442	P091633
A	4.8	6.4	P091616	P089385	P089405	P053836	P089445	P091636
A		9.5	P091617	P089386	P089406	P053837	P089446	P091637
A		12.7	P091618	P089387	P089407	P053838	P089447	P091638

Note: Dimensions of Standard Rivets shown on pages 58 and 59.

Cutting, Cleaning & Rivetting Accessories

COMPRESSION RIVETERS ACCESSORIES

CR-2 SHANK RIVET SETS FOR CP-0341, CP-0214 & CP-0351 – CUPPED SETS

PICTURE REF	RIVET DIA.	A BODY LENGTH	AN-435 BUTTON	AN-430 ROUND	AN-455 BRAZIER	AN-470 UNIVERSAL	AN-442 FLAT
	mm	mm	part no.	part no.	part no.	part no.	part no.
A (p.52)	3.2	6.4	-	-	-	P089510	P091661
A (p.52)		9.5	P091642	-	-	P089511	-
A (p.52)		12.7	-	-	-	P089512	P091663
A (p.52)	4.0	6.4	-	P089455	-	P089515	-
A (p.52)		9.5	-	-	-	P089516	P091667
A (p.52)		12.7	P091648	-	-	P089517	P091668
A (p.52)	4.8	6.4	-	P089460	P089480	P089520	P091671
A (p.52)		9.5	-	P089461	P089481	P089521	P491672
A (p.52)		12.7	P091653	-	P089482	P089522	P091673
A (p.52)	6.4	6.4	-	P089465	P089485	P089525	P091676
A (p.52)		9.5	-	P089466	P089486	P089526	-
A (p.52)		12.7	-	P089467	-	P089527	P091678

SET LENGTH SPACER SHIMS

TYPE RIVET SET SHANK	PART NUMBERS OF HARDENED SHIMS		
	1/64" thick (0.4mm)	1/32" thick (0.8mm)	1/16" thick (1.6mm)
CR-1	P083254	P083255	P083256
CR-2	-	P083257	P083258

SOFT SET BLANKS

TYPE RIVET SET SHANK	BODY LENGTH	BODY DIAM.	part number
	mm	mm	
CR-1	19.1	15.9	P093672
CR-2	19.1	19.1	P093673

SHANK DIMENSIONS FOR RIVET SETS For CP-0214, CP-0351 and CP-0341 Compression Riveters

PICTURE REF	TYPE RIVET SET SHANK	BODY LENGTH A AND CUPPING	B	C*	D	E	F	G
			mm	mm	mm	mm	mm	mm
A (p.52)	CR-1	See page 51	4.75-4.72	12.7	12.7	3.45-3.38	1.6	3.23-3.12
A (p.52)	CR-2	See page 51	6.42-6.40	15.9	15.9	3.45-3.38	2.4	4.80-4.70

* "C" dimension is for flush set only. "C" varies on cupped sets according to rivet size and type of head.

RETAINER RINGS

TYPE RIVET SET SHANK	part no.
CR-2	P071917

FLUSH SETS FOR ANY RIVET SIZE

PICTURE REF	SHANK SIZE	A BODY LENGTH					
		1/8" (3.2mm)	1/4" (6.4mm)	3/8" (9.5mm)	1/2" (12.7mm)	5/8" (15.9mm)	3/4" (19.1mm)
B (p.52)	CR-1	P089495	P089496	P089497	P089498	P089499	P089500
B (p.52)	CR-2	-	P089501	P089502	P089503	P089504	P089505

Note: Dimensions of Standard Rivets shown on pages 58 and 59.

Cutting, Cleaning & Rivetting Accessories

A



FOR CP-9361 AIR SCRIBE

CHISEL ASSEMBLY

DESCRIPTION	part no.
Chisel Assembly includes: Holder (includes Stylus), Chisel (Round Nose), Chisel (Flat 1/4"), Chisel (Blank), Anvil, "O" Ring (Anvil), Container	P058425

SERVICE KITS

DESCRIPTION	part no.
Repair Kit	P059264

REPLACEMENT NEEDLE FOR VP2-X

PICTURE REF	DESCRIPTION	part no.
A	Replacement tungsten carbide tipped needle for VP2-X	63213

Reference Tables

CONVERSION TABLE

inch	decimal	millimeter	inch	decimal	millimeter	inch	decimal	millimeter
1/64	.0156	0.3969	11/32	.3438	8.7313		.6693	17.0000
1/32	.0313	0.7938		.3543	9.0000	43/64	.6719	17.0656
	.0394	1.000		.3543	9.0000	11/16	.6875	17.4625
3/64	.0469	1.1906	23/64	.3594	9.1281	45/64	.7031	17.8594
1/16	.0625	1.5875	3/8	.3750	9.5250		.7087	18.0000
5/64	.0781	1.9844	25/64	.3906	9.9219	23/32	.7188	18.2563
	.0787	2.0000		.3937	10.0000	47/64	.7344	18.6531
3/32	.0938	2.3813	13/32	.4063	10.3188		.7480	19.0000
7/64	.1094	2.7781	27/64	.4219	10.7156	3/4	.7500	19.0500
	.1181	3.0000		.4331	11.0000	49/64	.7656	19.4469
1/8	.1250	3.1750	7/16	.4375	11.1125	25/32	.7813	19.8438
9/64	.1406	3.5719	29/64	.4531	11.5094		.7874	20.0000
5/32	.1563	3.9688	15/32	.4688	11.9063	51/64	.7969	20.2406
	.1575	4.0000		.4724	12.0000	13/16	.8125	20.6375
11/64	.1719	4.3656	31/64	.4844	12.3031		.8268	21.0000
3/16	.1875	4.7625	1/2	.5000	12.7000	53/64	.8281	21.0344
	.1969	5.0000		.5118	13.0000	27/32	.8438	21.4313
13/64	.2031	5.1594	33/64	.5156	13.0969	55/64	.8594	21.8281
7/32	.2188	5.5563	17/32	.5313	13.4938		.8661	22.0050
15/64	.2344	5.9531	35/64	.5469	13.8906	57/64	.8906	22.6219
	.2362	6.0000		.5512	14.0000		.9055	23.0000
15/64	.2344	5.9531	9/16	.5625	14.2875	29/32	.9063	23.0188
1/4	.2500	6.3500	37/64	.5781	14.6844	59/64	.9219	23.4156
17/64	.2656	6.7469		.5906	15.0000	15/16	.9375	23.8125
	.2756	7.0000	19/32	.5938	15.0813		.9449	24.0000
9/32	.2813	7.1438	39/64	.6094	15.4781	61/64	.9531	24.2094
19/64	.2969	7.5406	5/8	.6250	15.8750	31/32	.9688	24.6063
5/16	.3125	7.9375		.6299	16.0000		.9843	25.0000
	.3150	8.0000	41/64	.6406	16.2719	63/64	.9844	25.0031
21/64	.3281	8.3344	21/32	.6563	16.6688	1	1.0000	25.4000


TORQUE CONVERSIONS

DECINEWTON METRES/ POUND FORCE INCHES			CENTINEWTON METRES/ OUNCE FORCE INCHES			NEWTON METRES/ POUND FORCE INCHES			NEWTON METRES/ POUND FORCE FEET		
dNm		lbf in	cNm		ozf in	Nm		lbf in	Nm		lbf ft
1.130	1	0.885	0.706	1	1.416	0.113	1	8.851	1.35582	1	0.73756
2.26	2	1.77	1.41	2	2.83	0.23	2	17.70	2.71	2	1.48
3.39	3	2.66	2.12	3	4.25	0.34	3	26.55	4.07	3	2.21
4.52	4	3.54	2.82	4	5.66	0.45	4	35.04	5.42	4	2.95
5.65	5	4.42	3.53	5	7.08	0.57	5	44.25	6.78	5	3.69
6.78	6	5.31	4.24	6	8.49	0.68	6	53.10	8.13	6	4.43
7.91	7	6.20	4.94	7	9.91	0.79	7	61.95	9.49	7	5.16
9.04	8	7.08	5.65	8	11.33	0.90	8	70.81	10.85	8	5.90
10.17	9	7.97	6.35	9	12.74	1.02	9	79.66	12.20	9	6.64
11.30	10	8.85	7.06	10	14.16	1.13	10	88.51	13.56	10	7.38
12.43	11	9.74	7.77	11	15.58	1.24	11	97.36	14.91	11	8.11
13.56	12	10.62	8.47	12	16.99	1.36	12	106.21	16.27	12	8.85
14.69	13	11.51	9.18	13	18.41	1.47	13	115.06	17.63	13	9.56
15.82	14	12.39	9.88	14	19.82	1.58	14	123.91	18.96	14	10.33
16.95	15	13.28	10.59	15	21.24	1.70	15	132.76	20.34	15	11.06
18.08	16	14.16	11.30	16	22.66	1.81	16	141.61	21.69	16	11.80
19.21	17	15.05	12.00	17	24.07	1.92	17	150.46	23.05	17	12.54
20.34	18	15.93	12.71	18	25.49	2.03	18	159.31	24.41	18	13.28
21.47	19	16.82	13.41	19	26.90	2.15	19	168.16	25.76	19	14.01
22.60	20	17.70	14.12	20	28.32	2.26	20	177.01	27.12	20	14.75




Reference Tables


TORQUE VALUES

 Slotted Screwdrivers and Bits

 Hexagon Wrenches

 Phillips and Pozidriv Screwdrivers

 TORQUE IN NM (MAX)		 TORQUE IN NM (MAX)		 TORQUE IN NM (MIN)	
a x b mm	poweruse	AF mm	poweruse		poweruse
0.3 x 2.0	0,20	0,7	0,08	0	1,0
0.4 x 2.0	0,35	0,9	0,18	1	3,9
0.4 x 2.5	0,45	1,3	0,53	2	10,3
0.5 x 3.0	0,80	1,5	0,82	3	32
0.5 x 3.5	0,98	2,0	1,9		
0.6 x 3.5	1,40	2,5	3,8		
0.6 x 4.0	1,61	3	6,6		
0.6 x 4.5	1,80	3,5	11		
0.8 x 4.0	2,90	4	16		
0.8 x 5.0	3,58	4,5	24		
0.8 x 5.5	3,90	5	30		
1.0 x 5.5	6,20	6	52		
1.0 x 6.5	7,28	7	78		
1.0 x 7.0	7,80	8	120		
1.2 x 6.5	10,50	9	180		
1.2 x 7.0	11,28	10	220		
1.2 x 8.0	12,90	11	295		
1.4 x 9.0	19,70	12	370		
1.5 x 1.3	32	13	480		
1.6 x 8.0	22,9	14	590		
1.6 x 9.0	25	17	1000		
1.6 x 10	28,7	19	1000		
2.0 x 12	53	22	1000		
2.0 x 13	58	24	1000		
2.5 x 14	98	27	1000		
2.5 x 16	112				
3.0 x 18	181				


 Tools with Torx® and Torx Plus® drive

	TORQUE IN NM (MIN)	
	Torx® Bit	Torx Plus® Bit
6	0,91	1,1
7	1,7	2,1
8	2,6	3,2
9	3,4	4,2
10	4,5	5,4
15	7,7	9,6
20	12,7	16,2
25	19,0	23,5
27	26,9	34,6
30	37,4	47,2
40	65,1	82,1


Reference Tables



DIMENSION OF TORX BIT PROFILES

PICTURE REF		TORX® RECESS SCREWS A REF.
		mm
A	TX 6	1,65
A	TX 7	1,97
A	TX 8	2,3
A	TX 9	2,48
A	TX 10	2,72
A	TX 15	3,26
A	TX 20	3,84
A	TX 25	4,4
A	TX 27	4,96
A	TX 30	5,49
A	TX 40	6,6

DIMENSION OF TORX PLUS BIT PROFILES

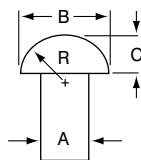
PICTURE REF		TORX PLUS® RECESS SCREWS A REF.
		mm
B	7 IP	1,97
B	8 IP	2,29
B	9 IP	2,48
B	10 IP	2,72
B	15 IP	3,25
B	20 IP	3,84
B	25 IP	4,39
B	27 IP	4,95
B	30 IP	5,49
B	40 IP	6,60
B	45 IP	7,77

RECOMMENDED SPEEDS FOR TUNGSTEN CARBIDE BURRS – r/min x 1000

MATERIAL	HEAD DIAMETER									
	3mm	1/8"	6mm	1/4"	10mm	3/8"	13mm	1/2"	16mm	5/8"
Alum, Zinc Base, Plastics	30-90		15-70		10-50		17-38		6-30	
Cast Iron, Brass, Copper, Bronze	45-90		23-60		15-40		11-30		9-24	
Mild Steel	60-90		45-60		30-40		22-30		18-24	
Titanium, Stainless, Hardened Steels, Ceramics	60-90		30-45		19-30		15-22		12-18	

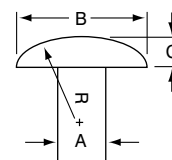
Reference Tables

A



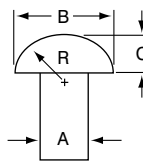
**AN-435
Button**

C



**AN-455
Brazier**

B



**AN-430
Round**

DIMENSIONS OF STANDARD RIVETS

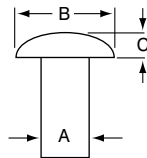
PICTURE REF	AN-435 A.S.A. BUTTON		A		B		C		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	3/32"	2.4	0.166"	4.22	0.070"	1.78	0.084"	2.13		
A	1/8"	3.2	0.219"	5.56	0.094"	2.39	0.111"	2.82		
A	5/32"	4.0	0.273"	6.93	0.117"	4.32	0.138"	3.51		
A	3/16"	4.8	0.328"	8.33	0.141"	3.58	0.166"	4.22		
A	1/4"	6.4	0.437"	11.10	0.188"	4.78	0.221"	5.61		
A	5/16"	7.9	0.546"	13.87	0.234"	5.94	0.276"	7.01		
A	3/8"	9.5	0.656"	16.66	0.281"	7.14	0.332"	8.43		

PICTURE REF	AN-430 ROUND		A		B		C		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
B	3/32"	2.4	0.187"	4.75	0.070"	1.78	0.098"	2.49		
B	1/8"	3.2	0.250"	6.45	0.094"	2.39	0.130"	3.30		
B	5/32"	4.0	0.312"	7.92	0.117"	2.97	0.162"	4.11		
B	3/16"	4.8	0.375"	9.53	0.141"	3.58	0.195"	4.95		
B	1/4"	6.4	0.500"	12.70	0.188"	4.78	0.260"	6.60		
B	5/16"	7.9	0.648"	16.46	0.234"	5.94	0.325"	8.26		
B	3/8"	9.5	0.750"	19.05	0.281"	7.14	0.391"	9.93		

PICTURE REF	AN-455 BRAZIER		A		B		C		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C	3/32"	2.4	0.234"	5.94	0.047"	1.19	0.170"	4.32		
C	1/8"	3.2	0.312"	7.92	0.063"	1.60	0.226"	5.74		
C	5/32"	4.0	0.390"	9.90	0.078"	1.98	0.283"	7.19		
C	3/16"	4.8	0.468"	11.89	0.094"	2.39	0.340"	8.64		
C	1/4"	6.4	0.625"	15.83	0.125"	3.18	0.453"	11.51		
C	5/16"	7.9	0.781"	19.84	0.156"	3.96	0.565"	14.35		
C	3/8"	9.5	0.940"	23.88	0.187"	4.75	0.680"	17.27		

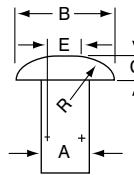
Reference Tables

A



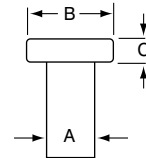
**AN-456
Modified
Brazier**

B



**AN-470
Universal**

C



**AN-442
Flat**

DIMENSIONS OF STANDARD RIVETS

PICTURE REF	AN-456 MODIFIED BRAZIER	A		B		C	
		in.	mm	in.	mm	in.	mm
A		3/32"	2.4	0.156"	3.96	0.031"	7.90
A		1/8"	3.2	0.235"	5.97	0.047"	1.19
A		5/32"	4.0	0.312"	7.92	0.063"	1.60
A		3/16"	4.8	0.390"	9.91	0.078"	1.98
A		1/4"	6.4	0.468"	11.89	0.094"	2.39
A		5/16"	7.9	0.625"	15.88	0.125"	3.18
A		3/8"	9.5	0.781"	19.84	0.156"	3.96

PICTURE REF	AN-470 UNIVERSAL	A		B		C		R		E	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
B		3/32"	2.4	0.187"	4.75	0.041"	1.04	0.082"	2.08	0.047"	1.19
B		1/8"	3.2	0.250"	6.45	0.054"	1.37	0.108"	2.74	0.063"	1.60
B		5/32"	4.0	0.312"	7.92	0.067"	1.70	0.135"	3.43	0.078"	1.98
B		3/16"	4.8	0.375"	9.53	0.082"	2.08	0.164"	4.17	0.094"	2.39
B		1/4"	6.4	0.500"	12.70	0.107"	2.72	0.217"	5.51	0.125"	3.18
B		5/16"	7.9	0.648"	16.46	0.136"	3.45	0.272"	6.91	0.156"	3.96
B		3/8"	9.5	0.750"	19.05	0.164"	4.17	0.328"	8.33	0.187"	4.75

PICTURE REF	AN-442 FLAT	A		B		C	
		in.	mm	in.	mm	in.	mm
A		3/32"	2.4	0.187"	4.75	0.037"	0.94
A		1/8"	3.2	0.250"	6.45	0.050"	1.27
A		5/32"	4.0	0.312"	7.92	0.062"	1.57
A		3/16"	4.8	0.375"	9.53	0.075"	1.91
A		1/4"	6.4	0.500"	12.70	0.100"	2.54
A		5/16"	7.9	0.648"	16.46	0.125"	3.18
A		3/8"	9.5	0.750"	19.05	0.150"	3.81