

CERTIFICATION

Quality Certificates

Description	Part No	
Certificate of Conformance	D1003-2	
Insert Inspection Certificate Stainless Steel	D1003-1	
Insert Inspection Certificate Inconel	D1003-5	
CASA (Civil Aviation Safety Authority, Australia) Authorised Release Certificate	917	
Note: All charges are per line item, as certificates are issued per line item.		

Note: All Certification and Documentation charges are nett. No further discount applies.

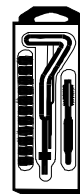
KITS FOR THREAD STRENGTHENING OR REPAIR

PLUGSAVER

METRIC

Individual size kits have the basic items needed to perform a thread repair or to install inserts for strong new threads in original equipment or components from new.

A drill is not included but the recommended size is listed in our product literature.



METRIC COARSE 35000+			
SIZE	PART NO.	INS/ KIT	
2 - .4	35020	10	
2.2 -.45	35010	10	
2.5 -.45	35250	10	
3 - .5	35030	10	
3.5 - .6	35350	10	
4 - .7	35040	10	
5 - .8	35050	10	
6 - 1	35060	10	
7 - 1	35070	10	
8 -1.25	35080	10	
9 -1.25	35090	10	
10 -1.5	35100	10	
11 -1.5	35110	5	
12-1.75	35120	5	
13-1.75	35130	5	
14 - 2	35140	5	
15 - 2	35150	5	
16 - 2	35160	5	
18 -2.5	35180	5	
20 - 2.5	35200	5	
22 - 2.5	35220	5	
24 - 3	35240	5	
27 - 3	35270	5	
30 -3.5	35300	5	
30 - 3	35300-3	5	
33 - 3.5	35330	5	
36 - 4	35360	4	
39 - 4	35390	4	
42 -4.5	35420	4	
42 - 4	35420-4	4	
LEFT HAND THREAD KITS			
6 - 1	35060LH	10	
8 - 1.25	35080LH	10	
10 - 1.5	35100LH	10	
12 - 1.75	35120LH	5	

METRIC MEDIUM 37000+			
SIZE	PART NO.	INS/ KIT	
8 - 1	37080	10	
9 - 1	37090	10	
10-1.25	37100	10	
10-1.25x25	37101	10	
11-1.25	37110	5	
12 -1.5	37120	5	
13 -1.5	37130	5	
14 -1.5	37140	5	
15 -1.5	37150	5	
16 -1.5	37160	5	
18 - 2	37180	5	
20 - 2	37200	5	
22 - 2	37220	5	
24 - 2	37240	5	
27 - 2	37270	5	
30 - 2	37300	5	
33 - 2	37330	5	
36 - 3	37360	4	
39 - 3	37390	4	
42 - 3	37420	4	
PILOT NOSE TAP KITS			
6 - 1	35063	10	
8 - 1.25	35083	10	
10 - 1.5	35103	10	
10 - 1.25	37103	10	
12 - 1.75	35123	5	

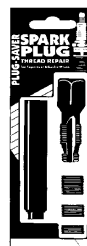
METRIC EXTRA FINE 38000+			
SIZE	PART NO.	INS/ KIT	
8 - .75	38080	10	
10 - 1	38101	10	
10-1x6.8	38102	10	
11 - 1	38110	5	
12-1.25	38121	5	
12-1	38120-1	5	
13-1.25	38130	5	
14-1.25	38141	5	
18 -1.5	38181	5	
20 -1.5	38200	5	
22 -1.5	38220	5	
24 -1.5	38240	5	
26 -1.5	38260	5	
27 -1.5	38270	5	
30 -1.5	38300	5	
36 -1.5	38360	4	
39 - 2	38390	4	
42 - 2	38420	4	

SPARKPLUG 38000+			
SIZE	PART NO.	INS/ KIT	
10 - 1	38100	10	
12-1.25	38120	10	
14-1.25*	38140	10	
14-1.25	38142	10	
18 -1.5	38180	5	
NB: Spark plug kits contains pilot nose taps.			
SPARKPLUG METRIC			
14-1.25	38147	5	
Contains 3 x 8.4, 3 x 12.4 & 3 x 16.4mm inserts			
EXHAUST ANALYSIS KIT			
18 - 1.5	38181-X	5	
NB: This kit contains high temperature inconel inserts.			

PLUGSAVER

An Alternative method of thread repair for standard and taper seat plugs, using Thinwall inserts.

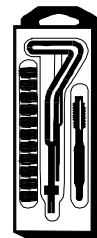
PART NO	DESCRIPTION		
38148*	COMPLETE REPAIR KIT		
98142RP	SHORT REACH INSERT (PKT OF 5) 9.5MM		
98143RP	MED. REACH INSERT (PKT OF 5) 12.7MM		
98144RP	LONG REACH INSERT (PKT OF 5) 19MM		
98145	PILOT TAP		
98146	EXPANDING TOOL		
* Includes 2 X 3/8", 2 X 1/2", 2 X 3/4" thinwall inserts			



KITS FOR THREAD STRENGTHENING OR REPAIR

INCH

Recoil Kits include:-
High Speed Steel Ground Thread Inter (2nd) Tap
Quantity of inserts
Installation / Tang Break Off Tool
Easy to follow instructions



BSF 30000+				BSW 32000+				UNC 33000+				UNF 34000+			
SIZE	PART NO.	INS/ KIT		SIZE	PART NO.	INS/ KIT		SIZE	PART NO.	INS/ KIT		SIZE	PART NO.	INS/ KIT	
3/16-32	30030	10		1/8-40	32020	10		#2-56	33520	10		#3-56	34530	10	
				3/16-24	32030	10		#3-48	33530	10		#4-48	34540	10	
								#4-40	33540	10					
								#5-40	33550	10		#6-40	34560	10	
								#6-32	33560	10		#8-36	34580	10	
								#8-32	33580	10		#10-32	34600	10	
								#10-24	33600	10		#12-28	34620	10	
								#12-24	33620	10		1/4-28	34040	10	
1/4-26	30040	10		1/4-20	32040	10		1/4-20	33040	10		5/16-24	34050	10	
5/16-22	30050	10		5/16-18	32050	10		5/16-18	33050	10		3/8-24	34060	10	
3/8-20	30060	10		3/8-16	32060	10		3/8-16	33060	10		7/16-20	34070	5	
7/16-18	30070	10		7/16-14	32070	5		7/16-14	33070	5		1/2-20	34080	5	
1/2-16	30080	5		1/2-12	32080	5		1/2-12	33080	5		9/16-18	34090	5	
9/16-16	30090	5		9/16-12	32090	5		9/16-12	33090	5		5/8-18	34100	5	
5/8-14	30100	5		5/8-11	32100	5		5/8-11	33100	5		3/4-16	34120	5	
3/4-12	30120	5		3/4-10	32120	5		11/16-11	33110	5		7/8-14	34140	5	
7/8-11	30140	5		7/8-9	32140	5		3/4-10	33120	5		1 - 12	34160	5	
1 - 10	30160	5		1 - 8	32160	5		7/8-9	33140	5		1 - 14	34160-14	5	
				1 1/8-7	32180	5		1 - 8	33160	5		1 1/8-12	34180	5	
								1 1/8-7	33180	5		1 1/4-12	34200	5	
1 1/4-9	30200	5		1 1/4-7	32200	5		1 1/4-7	33200	5		1 3/8-12	34220	3	
				1 3/8-6	32220	5		1 3/8-6	33220	5		1 1/2-12	34240	3	
				1 1/2-6	32240	4		1 1/2-6	33240	4					

BSC / BRASS 36000+				BA 30500+				BSP 31000 +				NPT 36000 +			
5/16-26	36500	10		O BA	30500	10		1/8-28	31020	10		1/8-27	36020	10	
3/8-26	36600	10		2 BA	30520	10		1/4-19	31040	10		1/4-18	36040	10	
7/16-26	36700	5		4 BA	30540	10		3/8-19	31060	5		3/8-18	36060	10	
1/2-26	36800	5		6 BA	30560	10		1/2-14	31080	5		1/2-14	36080	5	
								5/8-14	31100	5					
								3/4-14	31120	5		3/4-14	36120	5	
								1 - 11	31160	5		1 - 11 1/2	36160	5	

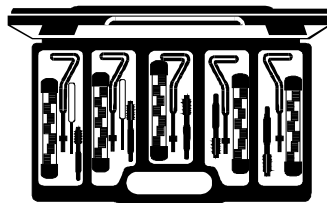
8 TPI UN 36180+				SPECIAL SIZES				LEFT HAND THREAD KITS			
1 1/8-8	36180	5		UNEF				1/4-20	33040LH	10	
				1/4-32	34040-32	10					
1 1/4-8	36200	5		9/16-20	34090-20	10		5/16-18	33050LH	10	
1 3/8-8	36220	5		HARLEY				3/8-16	33060LH	10	
1 1/2-8	36240	4		1/4-24	34040-24	10		7/16-14	33070LH	5	
1 5/8-8	36260	4		7/16-16	34070-16	10		1/2-13	33080LH	5	
1 3/4-8	36280	4		CARBURETTOR							
1 7/8-8	36300	4		7/8-20	34140-20	10					
2 - 8	36320	4		1 - 20	34160-20	10					
				CUMMINS-HEAD BOLT							
				11/16-16	34110-16	10					

RANGE KITS

FOR THREAD STRENGTHENING OR REPAIR

Recoil range kits contain-

- High Speed Steel Ground thread Inter (2nd) tap
- Quantity of inserts
- Installation / Tang Break Off Tool
- Easy to follow instructions



INCH

THREAD / TYPE	PART NO.	INCLUDES	SIZES/ KIT
BA	30504	0, 2, 4, 6	4
BSF	30004	1/4, 5/16, 3/8, 7/16, 1/2	5
BSP	31004	1/8, 1/4, 3/8, 1/2	4
BSW	32004	1/4, 5/16, 3/8, 7/16, 1/2	5
UNC	33002	4-40, 6-32, 8-32, 10-24UNC & 10-32UNF	5
UNC	33004	1/4, 5/16, 3/8, 7/16, 1/2	5
UNF	34004	1/4, 5/16, 3/8, 7/16, 1/2	5
BSC/BRASS	36001	1/4, 5/16, 3/8, 7/16, 1/2	5
NPT	36004	1/8, 1/4, 3/8, 1/2	4

INCH

- MINI RANGE KITS

THREAD TYPE	PART NO.	INCLUDES	SIZES/ KIT
UNC	33001	1/4, 5/16, 3/8	3
HARLEY	34008	1/4-24 & 7/16-16 Harley, 3/8-20 BSF	3
UNF	34001	1/4, 5/16, 3/8	3

METRIC

THREAD TYPE	PART NO.	INCLUDES	SIZES/ KIT
METRIC	33005	M6, 8-1.25, 10-1.5, 12-1.75, 14-1.25PN	5
METRIC	33007	M4, 5, 6, 8-1.25	4
METRIC	35003	M4, 5, 6, 8-1.25, 10-1.5	5
METRIC	35004	M5, 6, 8-1.25, 10-1.5, 12-1.75	5
METRIC	35005	M6, 8-1.25, 10-1.5, 12-1.75, 16-2	5
FINE	37000	M8-1, 10-1, 10-1.25, 12-1.25, 12-1.5	5
METRIC	37003	M6, 8-1.25, 10-1.5, 12-1.75, 14-2	5
METRIC	37004	M4, 6, 8-1.25, 10-1.5, 12-1.75	5
M/CYCLE	38006	M6, 8-1.25, 10-1PN, 10-1.25, 12-1.25PN, 14-1.25PN	6
OPE	38007	M5, 6, 8-1.25, 14-1.25PN, 1/4-20, 5/16-18	6

METRIC

- MINI RANGE KITS

THREAD TYPE	PART NO.	INCLUDES	SIZES/ KIT
METRIC	35001	M5, 6, 8-1.25	3
METRIC	37005	M6, 8-1.25, M14PN	3
METRIC	37002	M6, 8-1.25, M10-1.25	3
METRIC	37002PN	M6-1PN, M8-1.25PN, M10-1.25 PN	3

BICYCLE

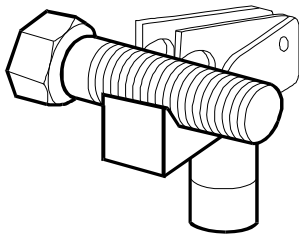
- Crank and Derailleur repair kits.

THREAD TYPE	PART NO.	INCLUDES	SIZES/ KIT
CRANK KIT	34096-20	1 EACH - LEFT & RIGHT HAND (CARBON) PILOT NOSE TAP 5 - 9/16-20X1/2" LEFT HAND INSERTS 5 - 9/16-20X1/2" RIGHT HAND INSERTS 1 - INSTALLATION TOOL	2
DERAILLEUR KIT	38102	THREAD KIT M10-1X6.8	1
BICYCLE RANGE	34005	9/16-20 RH & LH, M10-1 Derailleur	3

STUDSAVER / RE GRIP / PLUGSAVER / GAUGES / TAPPING FLUID

STUDSAVER Repairs damaged male threads.

PART NO	SIZE
STUDSAVER 1	
90620	UNC/UNF 1/4" to 7/8" METRIC M6-M20
90622	Replacement Blades 60 deg (sets of 2)
90621	55 deg
STUDSAVER 2	
92238	UNC/UNF 7/8" - 1 1/2" METRIC M22 - M38
92240	Replacement Blades 60 deg (sets of 2)
92239	55 deg
STUDSAVER 3	
93200	METRIC 38+
	UNC/UNF 1 1/4" - 5" METRIC M32 - M128



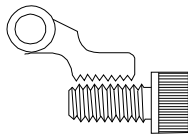
RE-GRIP Friction enhancing compound

PART NO	SIZE
11111	15ml tube on backing card
(Minimum shipping pack of 1 inner carton of 10)	
(Preferred shipping pack of 4 inner cartons each of 10=40 tubes)	



PITCH/TPI GAUGES

PART NO	DESCRIPTION
65000	Metric
63000	Unified
62000	Imperial (Whitworth)
69000	1 each Metric and Unified set



TAPPING FLUID

PART NO	DESCRIPTION
90023	PS23 tapping fluid
(Minimum shipping pack of 2 x carton of 25 = 50)	

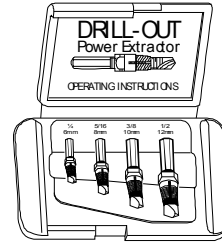
TAP WRENCH

PART NO	DESCRIPTION
99-21902	Tap Wrench 1/4" - 3/4"
99-21906	T-Handle Tap Wrench 0 - 1/4"

DRILL-OUT

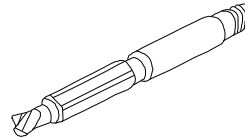
Power extractor for broken bolts or studs.

PART NO	TO REMOVE BROKEN BOLT OR STUD
P250	1/4" or 6mm
P312	5/16" or 8mm
P375	3/8" or 10mm
P500	1/2" or 12mm
P401	Kit comprises P250, P312, P375, P500
P701	Kit Comprises P125, P164, P190, P236, P312, P375, P500



DRILL-OUT MICRO EXTRACTORS

PART NO	DESCRIPTION
P125	#5, #6 * M3
P164	#8 & M4
P190	#10, #12 & M5
P236	1/4" & M6
P450	Kit comprising P125, P164, P190, P230



DRILL-OUT MERCHANDISER

DORM	Drill-Out Wall or Counter Stand
Displays Drill-out Kits and Brochures	
Micro Drill-Out #5, #6-M3, #8-M4, #10, #12-M5, 1/4"-M6	
Drill-Out piece 1/4"-M6, 5/16-M8, 3/8-M10, 1/2-M12	
Kit Micro Drill - #5, #6-M3, #8-M4, #10, #12-M5, 1/4-M6	
Kit Drill-Out 1/4"-M6, 5/16-M8, 3/8-M10, 1/2-M12	

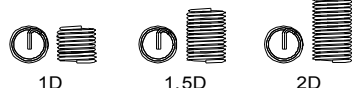


X-Out

Part No.	Damaged Screw Remover
P2019P8001	Set of 3 X-outs Removes No 8 to No 14 screws

INSERTS -

free running - METRIC



METRIC COARSE	PART NUMBER	LENGTHS			METRIC FINE	PART NUMBER
		INCHES	D's	mm		
M2 - .4	05022	0,079	1D	2,0		
	05023	0,118	1.5D	3,0		
	05024	0,157	2D	4,0		
	05025 *	0,197	2.5D	5,0		
	05026 *	0,236	3D	6,0		
M2.2 - .4	05012	0,087	1D	2,2		
	05013	0,130	1.5D	3,3		
	05014	0,173	2D	4,4		
	05015 *	0,217	2.5D	5,5		
	05016 *	0,260	3D	6,6		
M2.5 - .45	05252	0,098	1D	2,5		
	05253	0,150	1.5D	3,8		
	05254	0,197	2D	5,0		
	05255	0,248	2.5D	6,3		
	05256	0,295	3D	7,5		
M3 - .5	05032	0,118	1D	3,0		
	05033	0,177	1.5D	4,5		
	05034	0,236	2D	6,0		
	05035	0,295	2.5D	7,5		
	05036	0,354	3D	9,0		
M3.5 - .6	05352	0,138	1D	3,5		
	05353	0,209	1.5D	5,3		
	05354	0,276	2D	7,0		
	05355 *	0,346	2.5D	8,8		
	05356 *	0,413	3D	10,5		
M4 - .7	05042	0,157	1D	4,0		
	05043	0,236	1.5D	6,0		
	05044	0,315	2D	8,0		
	05045	0,394	2.5D	10,0		
	05046	0,472	3D	12,0		
M5 - .8	05052	0,197	1D	5,0		
	05050-6.25	0,246	1.25D	6,3		
	05053	0,295	1.5D	7,5		
	05054	0,394	2D	10,0		
	05055	0,492	2.5D	12,5		
	05056	0,591	3D	15,0		
M6 - 1	05062	0,236	1D	6,0		
	05060-7.5	0,295	1.25D	7,5		
	05063	0,354	1.5D	9,0		
	05064	0,472	2D	12,0		
	05065	0,591	2.5D	15,0		
	05066	0,709	3D	18,0		
M7 - 1	05072	0,276	1D	7,0		
	05073	0,413	1.5D	10,5		
	05074	0,551	2D	14,0		
	05075 *	0,689	2.5D	17,5		
	05076 *	0,827	3D	21,0		
M8 - 1.25	05082	0,315	1D	8,0		07082
	05080-10	0,394	1.25D	10,0		07083
	05083	0,472	1.5D	12,0		07084
	05084	0,630	2D	16,0		07085 *
	05085	0,787	2.5D	20,0		07086 *
	05086	0,945	3D	24,0		
		0,315	1D	8,0		08082 *
		0,472	1.5D	12,0		08083
		0,630	2D	16,0		M8 - 0.75 08084 *
		0,787	2.5D	20,0		08085 *
		0,945	3D	24,0		08086 *

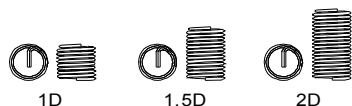
(100 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - METRIC



METRIC	PART NUMBER
M9 - 1.25	05092
	05093
	05094
	05095 *
	05096 *
M10 - 1.5	05102
	05100-12.5
	05103
	05104
	05105
M11 - 1.5	05112
	05113
	05114
	05115 *
	05116 *
M12 - 1.75	05122
	05120-15
	05123
	05124
	05125
M12 - 1.25	08122
	08123
	08124
	08125 *
	08126 *
M12 - 1	08122-1 *
	08123-1
	08124-1 *
	08125-1 *
	08126-1 *

LENGTHS		
INCHES	D's	mm
0,354	1D	9,0
0,531	1.5D	13,5
0,709	2D	18,0
0,886	2.5D	22,5
1,063	3D	27,0
0,394	1D	10,0
0,492	1.25D	12,5
0,591	1.5D	15,0
0,787	2D	20,0
0,984	2.5D	25,0
1,181	3D	30,0
0,394	1D	10,0
0,591	1.5D	15,0
0,787	2D	20,0
0,984	2.5D	25,0
1,181	3D	30,0
0,433	1D	11,0
0,650	1.5D	16,5
0,866	2D	22,0
1,083	2.5D	27,5
1,299	3D	33,0
0,433	1D	11,0
0,650	1.5D	16,5
0,866	2D	22,0
1,083	2.5D	27,5
1,299	3D	33,0
0,472	1D	12,0
0,591	1.25D	15,0
0,709	1.5D	18,0
0,945	2D	24,0
1,181	2.5D	30,0
1,417	3D	36,0
0,472	1D	12,0
0,709	1.5D	18,0
0,945	2D	24,0
1,181	2.5D	30,0
1,417	3D	36,0

METRIC FINE	PART NUMBER
M9 - 1	07092
	07093
	07094
	07095 *
	07096 *
M10 - 1.25	07102
	07103
	07104
	07105
	07106
M10 - 1	08102
	08103
	08104
	08105 *
	08106 *
M11 - 1.25	07112
	07113
	07114
	07115 *
	07116 *
M11 - 1	08112
	08113
	08114
	08115 *
	08116 *
M12 - 1.5	07122
	07123
	07124
	07125
	07126

100 per bag

M13 - 1.75	05133
M14 - 2	05142
	05143
	05144
	05145
	05146

0,512	1D	13,0
0,768	1.5D	19,5
1,024	2D	26,0
1,280	2.5D	32,5
1,535	3D	39,0
0,512	1D	13,0
0,768	1.5D	19,5
1,024	2D	26,0
1,280	2.5D	32,5
1,535	3D	39,0
0,551	1D	14,0
0,827	1.5D	21,0
1,102	2D	28,0
1,378	2.5D	35,0
1,654	3D	42,0

M13 - 1.5	07133
M14 - 1.5	07142
	07143
	07144
	07145 *
	07146 *

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -



free running - METRIC



METRIC	PART NUMBER
M15 - 2	05152 *
	05153 *
	05154 *
	05155 *
	05156 *
M16 - 2	05162
	05160-20
	05163
	05164
	05165
M18 - 2.5	05166
	05182
	05183
	05184
	05185 *
	05186 *

LENGTHS		
INCHES	D's	mm
0,591	1D	15,0
0,886	1.5D	22,5
1,181	2D	30,0
1,476	2.5D	37,5
1,772	3D	45,0
0,630	1D	16,0
0,787	1.25D	20,0
0,945	1.5D	24,0
1,260	2D	32,0
1,575	2.5D	40,0
1,890	3D	48,0
0,709	1D	18,0
1,063	1.5D	27,0
1,417	2D	36,0
1,772	2.5D	45,0
2,126	3D	54,0
0,709	1D	18,0
1,063	1.5D	27,0
1,417	2D	36,0
1,772	2.5D	45,0
2,126	3D	54,0

METRIC FINE	PART NUMBER
M15 - 1.5	07152 *
	07153
	07154 *
	07155 *
	07156 *
M16 - 1.5	07162
	07163
	07164
	07165 *
	07166 *
M18 - 2	07182
	07183
	07184
	07185 *
	07186 *
M18 - 1.5	08182
	08183
	08184
	08185 *
	08186 *

(50 PER BAG)

M20 - 2.5	05202
	05200-25
	05203
	05204
	05205 *
	05206 *
M22 - 2.5	05222
	05223
	05224
	05225 *
	05226 *
M24 - 3	05242
	05243
	05244
	05245 *
	05246 *

0,787	1D	20,0
0,984	1.25D	25,0
1,181	1.5D	30,0
1,575	2D	40,0
1,969	2.5D	50,0
2,362	3D	60,0
0,787	1D	20,0
1,181	1.5D	30,0
1,575	2D	40,0
1,969	2.5D	50,0
2,362	3D	60,0
0,866	1D	22,0
1,299	1.5D	33,0
1,732	2D	44,0
2,165	2.5D	55,0
2,598	3D	66,0
0,866	1D	22,0
1,299	1.5D	33,0
1,732	2D	44,0
2,165	2.5D	55,0
2,598	3D	66,0
0,945	1D	24,0
1,417	1.5D	36,0
1,890	2D	48,0
2,362	2.5D	60,0
2,835	3D	72,0
0,945	1D	24,0
1,417	1.5D	36,0
1,890	2D	48,0
2,362	2.5D	60,0
2,835	3D	72,0

M20 - 2	07202
	07203
	07204
	07205 *
	07206 *
M20 - 1.5	08202
	08203
	08204
	08205 *
	08206 *
M22 - 2	07222
	07223
	07224
	07225 *
	07226 *
M22 - 1.5	08222
	08223
	08224
	08225 *
	08226 *
M24 - 2	07242
	07243
	07244
	07245 *
	07246 *
M24 - 1.5	08242
	08243
	08244
	08245 *
	08246 *

(25 PER BAG)

M27 - 3	05272
	05273
	05274
	05275 *
	05276 *

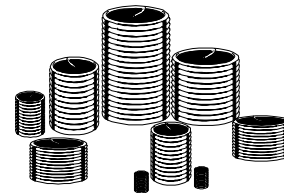
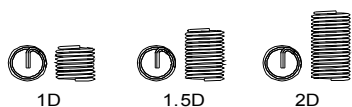
1,024	1D	26,0
1,535	1.5D	39,0
2,047	2D	52,0
2,559	2.5D	65,0
3,071	3D	78,0
1,063	1D	27,0
1,594	1.5D	40,5
2,126	2D	54,0
2,657	2.5D	67,5
3,189	3D	81,0
1,063	1D	27,0
1,594	1.5D	40,5
2,126	2D	54,0
2,657	2.5D	67,5
3,189	3D	81,0

M26 - 1.5	08262
	08263
	08264
	08265 *
	08266 *
M27 - 2	07272
	07273
	07274
	07275 *
	07276 *
M27 - 1.5	08272 *
	08273
	08274 *
	08275 *
	08276 *

(10 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.


(10 PER BAG)

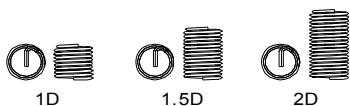
METRIC	PART NUMBER	LENGTHS			METRIC FINE	PART NUMBER
		INCHES	D's	mm		
M30 - 3.5	05302	1,181	1D	30,0	M30 - 2	07302
	05300-37.5 *	1,476	1.25D	37,5		07303
	05303	1,772	1.5D	45,0		07304
	05304	2,362	2D	60,0		07305 *
	05305 *	2,953	2.5D	75,0		07306 *
	05306 *	3,543	3D	90,0	M30 - 1.5	08302
M30 - 3	05302-3	1,181	1D	30,0		08303
	05303-3	1,772	1.5D	45,0		08304
	05304-3	2,362	2D	60,0		08305 *
	05305-3 *	2,953	2.5D	75,0		08306 *
	05306-3 *	3,543	3D	90,0	M33 - 2	07332
M33 - 3.5	05332	1,299	1D	33,0		07333
	05333	1,949	1.5D	49,5		07334
	05334	2,598	2D	66,0		07335 *
	05335 *	3,248	2.5D	82,5		07336 *
	05336 *	3,898	3D	99,0	M36 - 3	07362
M36 - 4	05362	1,417	1D	36,0		07363
	05363	2,126	1.5D	54,0		07364
	05364	2,835	2D	72,0		07365 *
	05365 *	3,543	2.5D	90,0		07366 *
	05366 *	4,252	3D	108,0	M36 - 1.5	08362
		1,417	1D	36,0		08363
		2,126	1.5D	54,0		08364
		2,835	2D	72,0		08365 *
		3,543	2.5D	90,0		08366 *
		4,252	3D	108,0	M39 - 3	07392
M39 - 4	05392	1,535	1D	39,0		07393
	05393	2,303	1.5D	58,5		07394
	05394	3,071	2D	78,0		07395 *
	05395 *	3,839	2.5D	97,5		07396 *
	05396 *	4,606	3D	117,0	M39 - 2	08392
		1,535	1D	39,0		08393
		2,303	1.5D	58,5		08394
		3,071	2D	78,0		08395 *
		3,839	2.5D	97,5		08396 *
		4,606	3D	117,0	M42 - 3	07422 *
M42 - 4.5	05422 *	1,654	1D	42,0		07423
	05423	2,480	1.5D	63,0		07424 *
	05424 *	3,307	2D	84,0	M42 - 2	08422 *
	05422-4 *	1,654	1D	42,0		08423
	05423-4	2,480	1.5D	63,0		08424 *
	05424-4 *	3,307	2D	84,0	M48 - 3	07483 *
M45 - 3	07453	2,657	1.5D	67,5		
	05483 *	2,835	1.5D	72,0		
	05483-4 *	2,835	1.5D	72,0		
	05523 *	3,071	1.5D	78,0		

Dry film lubing and cadmium plating available on request.

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INSERTS -

free running-METRIC - s/plug & left hand thread



(100 PER BAG)

SPARK PLUG	PART NUMBER	LENGTHS	
		INCHES	mm
M10 - 1	08108	0,339	8,6
	08109	0,500	12,7
M12 - 1.25	08122	0,500	12,7
	08123	0,750	19,1
M14 - 1.25	08148	0,63	15,9
	08141	0,47	12,0
	08147	0,88	22,2
	08149	0,500	12,7
	08140	0,750	19,1
	08140-8.4	0,331	8,4
	08140-12.4	0,488	12,4
	08140-16.4	0,646	16,4
M18 - 1.5	08189	0,500	12,7
M18 - 1.5	08181-XUP	0,500	12,5

(Inconel)

METRIC		PART NUMBER	LENGTHS		
			INCHES	D's	mm
M6	- 1	05063LH	0,354	1.5D	9,0
M8	- 1.25	05083LH	0,472 0,000	1.5D	12,0
M10	- 1.5	05103LH	0,591	1.5D	15,0
M12	- 1.75	05123LH	0,709	1.5D	18,0

METRIC FINE	PART NUMBER

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - UNC / UNF



1D



1.5D



2D



(100 PER BAG)

UNC	PART NUMBER
#2 - 56	03522
	03523
	03524
	03525
	03526
#3 - 48	03532
	03533
	03534
	03535 *
	03536 *
#4 - 40	03542
	03543
	03544
	03545
	03546
#5 - 40	03552
	03553
	03554
	03555 *
	03556 *
#6 - 32	03562
	03563
	03564
	03565
	03566
#8 - 32	03582
	03583
	03584
	03585
	03586
#10 - 24	03602
	03603
	03604
	03605
	03606
#12 - 24	03622
	03623
	03624
	03625 *
	03626 *
1/4 - 20	03042
	03043
	03044
	03045
	03046

LENGTHS		
INCHES	D's	mm
0,086	1D	2,2
0,129	1.5D	3,3
0,172	2D	4,4
0,215	2.5D	5,5
0,258	3D	6,6
0,099	1D	2,5
0,149	1.5D	3,8
0,198	2D	5,0
0,248	2.5D	6,3
0,297	3D	7,5
0,112	1D	2,8
0,168	1.5D	4,3
0,224	2D	5,7
0,280	2.5D	7,1
0,336	3D	8,5
0,112	1D	2,8
0,168	1.5D	4,3
0,224	2D	5,7
0,280	2.5D	7,1
0,336	3D	8,5
0,112	1D	2,8
0,168	1.5D	4,3
0,224	2D	5,7
0,280	2.5D	7,1
0,336	3D	8,5
0,138	1D	3,5
0,207	1.5D	5,3
0,276	2D	7,0
0,345	2.5D	8,8
0,414	3D	10,5
0,138	1D	3,5
0,207	1.5D	5,3
0,276	2D	7,0
0,345	2.5D	8,8
0,414	3D	10,5
0,164	1D	4,2
0,246	1.5D	6,2
0,328	2D	8,3
0,410	2.5D	10,4
0,492	3D	12,5
0,164	1D	4,2
0,246	1.5D	6,2
0,328	2D	8,3
0,410	2.5D	10,4
0,492	3D	12,5
0,190	1D	4,8
0,285	1.5D	7,2
0,380	2D	9,7
0,475	2.5D	12,1
0,570	3D	14,5
0,216	1D	5,5
0,324	1.5D	8,2
0,432	2D	11,0
0,540	2.5D	13,7
0,648	3D	16,5
0,250	1D	6,4
0,375	1.5D	9,5
0,500	2D	12,7
0,625	2.5D	15,9
0,750	3D	19,1

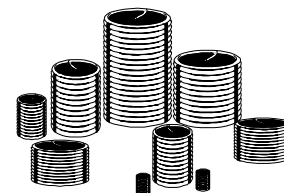
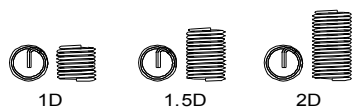
UNF	PART NUMBER
#3 - 56	04532
	04533
	04534
	04535 *
	04536 *
#4 - 48	04542
	04543
	04544
	04545 *
	04546 *
#6 - 40	04562
	04563
	04564
	04565 *
	04566 *
#8 - 36	04582
	04583
	04584
	04585 *
	04586 *
#10 - 32	04602
	04603
	04604
	04605
	04606
#12 - 28	04622
	04623
	04624
	04625 *
	04626 *
1/4 - 28	04042
	04043
	04044
	04045
	04046

Dry film lubing and cadmium plating available on request.

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INSERTS -

free running - UNC / UNF



UNC	PART NUMBER
5/16 - 18	03052
	03053
	03054
	03055
	03056
3/8 - 16	03062
	03063
	03064
	03065
	03066
7/16 - 14	03072
	03073
	03074
	03075
	03076
1/2 - 13	03082
	03083
	03084
	03085
	03086

LENGTHS		
INCHES	D's	mm
0,313	1D	8,0
0,470	1.5D	11,9
0,626	2D	15,9
0,783	2.5D	19,9
0,939	3D	23,9
0,375	1D	9,5
0,563	1.5D	14,3
0,750	2D	19,1
0,938	2.5D	23,8
1,125	3D	28,6
0,438	1D	11,1
0,657	1.5D	16,7
0,876	2D	22,3
1,095	2.5D	27,8
1,314	3D	33,4
0,500	1D	12,7
0,750	1.5D	19,1
1,000	2D	25,4
1,250	2.5D	31,8
1,500	3D	38,1

UNF	PART NUMBER
5/16 - 24	04052
	04053
	04054
	04055
	04056
3/8 - 24	04062
	04063
	04064
	04065
	04066
7/16 - 20	04072
	04073
	04074
	04075
	04076
1/2 - 20	04082
	04083
	04084
	04085
	04086

(100 PER BAG)

9/16 - 12	03092
	03093
	03094
	03095
	03096
5/8 - 11	03102
	03103
	03104
	03105
	03106
11/16 - 11	03112
	03113
	03114
	03115 *
	03116 *
3/4 - 10	03122
	03123
	03124
	03125
	03126

0,563	1D	14,3
0,845	1.5D	21,5
1,126	2D	28,6
1,408	2.5D	35,8
1,689	3D	42,9
0,625	1D	15,9
0,938	1.5D	23,8
1,250	2D	31,8
1,563	2.5D	39,7
1,875	3D	47,6
0,688	1D	17,5
1,032	1.5D	26,2
1,376	2D	35,0
1,720	2.5D	43,7
2,064	3D	52,4
0,750	1D	19,1
1,125	1.5D	28,6
1,500	2D	38,1
1,875	2.5D	47,6
2,250	3D	57,2

9/16 - 18	04092
	04093
	04094
	04095
	04096
5/8 - 18	04102
	04103
	04104
	04105
	04106
3/4 - 16	04122
	04123
	04124
	04125
	04126

(50 PER BAG)

7/8 - 9	03142
	03143
	03144
	03145 *
	03146 *
1" - 8	03162
	03163
	03164
	03165
	03166

0,875	1D	22,2
1,313	1.5D	33,3
1,750	2D	44,5
2,188	2.5D	55,6
2,625	3D	66,7
1,000	1D	25,4
1,500	1.5D	38,1
2,000	2D	50,8
2,500	2.5D	63,5
3,000	3D	76,2
1,000	1D	25,4
1,500	1.5D	38,1
2,000	2D	50,8
2,500	2.5D	63,5
3,000	3D	76,2

7/8 - 14	04142
	04143
	04144
	04145 *
	04146 *
1" - 12	04162
	04163
	04164
	04165 *
	04166 *
1" - 14	04162-14
	04163-14
	04164-14
	04165-14 *
	04166-14 *

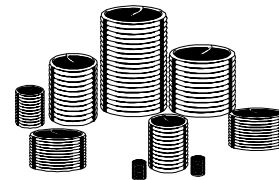
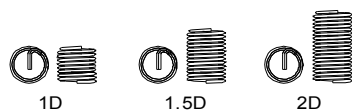
(25 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - UNC / UNF / BSW / BSF



UNC	PART NUMBER
1 1/8 - 7	03182
	03183
	03184
	03185 *
	03186 *
1 1/4 - 7	03202
	03203
	03204
	03205 *
	03206 *
1 3/8 - 7	03222
	03223
	03224
	03225 *
	03226 *
1 1/2 - 6	03242
	03243
	03244
	03245 *
	03246 *

LENGTHS			
INCHES	D's	mm	
1,125	1D	28,6	
1,688	1.5D	42,9	
2,250	2D	57,2	
2,813	2.5D	71,4	
3,375	3D	85,7	
1,250	1D	31,8	
1,875	1.5D	47,6	
2,500	2D	63,5	
3,125	2.5D	79,4	
3,750	3D	95,3	
1,375	1D	34,9	
2,063	1.5D	52,4	
2,750	2D	69,9	
3,438	2.5D	87,3	
4,125	3D	104,8	
1,500	1D	38,1	
2,250	1.5D	57,2	
3,000	2D	76,2	
3,750	2.5D	95,3	
4,500	3D	114,3	

UNF	PART NUMBER
1 1/8 - 12	04182
	04183
	04184
	04185 *
	04186 *
1 1/4 - 12	04202
	04203
	04204
	04205 *
	04206 *
1 3/8 - 12	04222
	04223
	04224
	04225 *
	04226 *
1 1/2 - 12	04242
	04243
	04244
	04245 *
	04246 *

(10 PER BAG)

BSW	PART NUMBER
1/8 - 40	02022
	02023
	02024
	02025 *
	02026 *
3/16 - 24	02032
	02033
	02034
	02035 *
	02036 *
1/4 - 20	02042
	02043
	02044
	02045 *
	02046 *
5/16 - 18	02052
	02053
	02054
	02055 *
	02056 *
3/8 - 16	02062
	02063
	02064
	02065 *
	02066 *
7/16 - 14	02072
	02073
	02074
	02075 *
	02076 *
1/2 - 12	02082
	02083
	02084
	02085 *
	02086 *

LENGTHS			
INCHES	D's	mm	
0,125	1D	3,2	
0,188	1.5D	4,8	
0,250	2D	6,4	
0,313	2.5D	7,9	
0,375	3D	9,5	
0,188	1D	4,8	
0,281	1.5D	7,1	
0,376	2D	9,6	
0,470	2.5D	11,9	
0,564	3D	14,3	
0,250	1D	6,4	
0,375	1.5D	9,5	
0,500	2D	12,7	
0,625	2.5D	15,9	
0,750	3D	19,1	
0,313	1D	8,0	
0,470	1.5D	11,9	
0,626	2D	15,9	
0,783	2.5D	19,9	
0,939	3D	23,9	
0,375	1D	9,5	
0,563	1.5D	14,3	
0,750	2D	19,1	
0,938	2.5D	23,8	
1,125	3D	28,6	
0,438	1D	11,1	
0,657	1.5D	16,7	
0,876	2D	22,3	
1,095	2.5D	27,8	
1,314	3D	33,4	
0,500	1D	12,7	
0,750	1.5D	19,1	
1,000	2D	25,4	
1,250	2.5D	31,8	
1,500	3D	38,1	

BSF	PART NUMBER
3/16 - 32	00032
	00033
	00034
	00035 *
	00036 *
1/4 - 26	00042
	00043
	00044
	00045 *
	00046 *
5/16 - 22	00052
	00053
	00054
	00055 *
	00056 *
3/8 - 20	00062
	00063
	00064
	00065 *
	00066 *
7/16 - 18	00072
	00073
	00074
	00075 *
	00076 *
1/2 - 16	00082
	00083
	00084
	00085 *
	00086 *

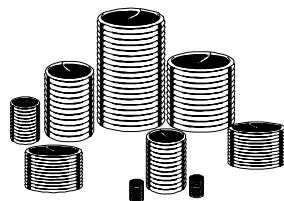
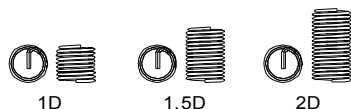
(100 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - BSW / BSF / BA / BSC



BSW	PART NUMBER
9/16 - 12	02092
	02093
	02094
	02095 *
	02096 *
5/8 - 11	02102
	02103
	02104
	02105 *
	02106 *
3/4 - 10	02122
	02123
	02124
	02125 *
	02126 *

INCHES	LENGTHS	
	D's	mm
0,563	1D	14,3
0,845	1.5D	21,5
1,126	2D	28,6
1,408	2.5D	35,8
1,689	3D	42,9
0,625	1D	15,9
0,938	1.5D	23,8
1,250	2D	31,8
1,563	2.5D	39,7
1,875	3D	47,6
0,750	1D	19,1
1,125	1.5D	28,6
1,500	2D	38,1
1,875	2.5D	47,6
2,250	3D	57,2

BSF	PART NUMBER
9/16 - 16	00092
	00093
	00094
	00095 *
	00096 *
5/8 - 14	00102
	00103
	00104
	00105 *
	00106 *
3/4 - 12	00122
	00123
	00124
	00125 *
	00126 *

(50 PER BAG)

7/8 - 9	02142
	02143
	02144
	02145 *
	02146 *
1" - 8	02162
	02163
	02164
	02165 *
	02166 *

0,875	1D	22,2
1,313	1.5D	33,3
1,750	2D	44,5
2,188	2.5D	55,6
2,625	3D	66,7
1,000	1D	25,4
1,500	1.5D	38,1
2,000	2D	50,8
2,500	2.5D	63,5
3,000	3D	76,2

7/8 - 11	00142
	00143
	00144
	00145 *
	00146 *
1" - 10	00162
	00163
	00164
	00165 *
	00166 *

(25 PER BAG)

BA	PART NUMBER
0BA	00502
	00503
	00504
	00505 *
	00506 *
2BA	00522
	00523
	00524
	00525 *
	00526 *
4BA	00542
	00543
	00544
	00545 *
	00546 *
6BA	00562
	00563
	00564
	00565 *
	00566 *

INCHES	LENGTHS	
	D's	mm
0,236	1D	6,0
0,354	1.5D	9,0
0,472	2D	12,0
0,591	2.5D	15,0
0,709	3D	18,0
0,185	1D	4,7
0,278	1.5D	7,1
0,370	2D	9,4
0,463	2.5D	11,8
0,555	3D	14,1
0,142	1D	3,6
0,213	1.5D	5,4
0,283	2D	7,2
0,354	2.5D	9,0
0,425	3D	10,8
0,110	1D	2,8
0,165	1.5D	4,2
0,220	2D	5,6
0,276	2.5D	7,0
0,331	3D	8,4

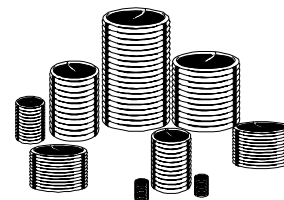
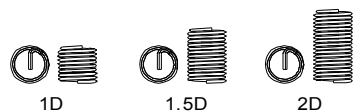
(100 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - BSC / BSP / NPT



BSC	PART NUMBER	LENGTHS		
		INCHES	D's	mm
5/16 - 26	06502	0,313	1D	8,0
	06503	0,470	1.5D	11,9
	06504	0,626	2D	15,9
3/8 - 26	06602	0,625	1D	15,9
	06603	0,938	1.5D	23,8
	06604	1,250	2D	31,8
7/16 - 26	06702	0,438	1D	11,1
	06703	0,656	1.5D	16,7
	06704	0,876	2D	22,3

(100 PER BAG)

1/2 - 26	06802	0,500	1D	12,7
	06803	0,750	1.5D	19,1
	06804	2,000	2D	50,8

(50 PER BAG)

BSP	PART NUMBER	LENGTHS			NPT	PART NUMBER
		INCHES	D's	mm		
1/8 - 28	01022	0,125	1D	3,2	1/8 - 27	06023
	01023	0,188	1.5D	4,8		
	01024	0,250	2D	6,4		
	01025	0,313	2.5D	7,9		
1/4 - 19	01042	0,250	1D	6,4	1/4 - 18	06043
	01043	0,375	1.5D	9,5		
	01044	0,500	2D	12,7		
	01045	0,625	2.5D	15,9		
3/8 - 19	01062	0,375	1D	9,5	3/8 - 18	06063
	01063	0,563	1.5D	14,3		
	01064	0,750	2D	19,1		
	01065	0,938	2.5D	23,8		

(100 PER BAG)

1/2 - 14	01082	0,500	1D	12,7	1/2 - 14	06083
	01083	0,750	1.5D	19,1		
	01084	1,000	2D	25,4		
	01085	1,250	2.5D	31,8		
5/8 - 14	01102	0,625	1D	15,9	3/4 - 14	06123
	01103	0,938	1.5D	23,8		
	01104	1,250	2D	31,8		
	01122	0,750	1D	19,1		
3/4 - 14	01123	1,125	1.5D	28,6	1 - 11 1/2	06163
	01124	1,500	2D	38,1		
	01162	1,000	1D	25,4		
1" - 11	01163	1,500	1.5D	38,1		
	01164	2,000	2D	50,8		

(50 PER BAG)

SPECIAL THREADS	PART NUMBER	LENGTHS			SPECIAL THREADS	PART NUMBER
		INCHES	D's	mm		
1/4 - 32	04042-32	0,250	1D	6,4	1/4 - 24	04042-24
	04043-32	0,375	1.5D	9,5		04043-24
HARLEY						
7/16 - 16	04073-16	0,657	1.5D	16,7		

(100 PER BAG)

CUMMINS						
11/16-16	04110-16-1.25	0,860		21,8		
CARBY						
7/8 - 20	04140-20-.330	0,330		8,4		
1" - 20	04160-20-.325	0,325		8,3		

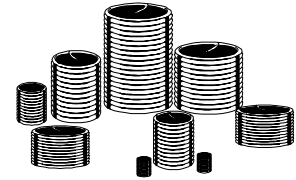
(50 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

free running - UN. UNC left hand thread



8 TPI UN	PART NUMBER	LENGTHS			
		INCHES	D's	mm	
1 1/8 - 8	06182	1,125	1D	28,6	
	06183	1,688	1.5D	42,9	
	06184	2,250	2D	57,2	
1 1/4 - 8	06202	1,250	1D	31,8	
	06203	1,875	1.5D	47,6	
	06204	2,500	2D	63,5	
1 3/8 - 8	06222	1,375	1D	34,9	
	06223	2,063	1.5D	52,4	
	06224	2,750	2D	69,9	
1 1/2 - 8	06242	1,500	1D	38,1	
	06243	2,250	1.5D	57,2	
	06244	3,000	2D	76,2	
1 5/8 - 8	06262	1,625	1D	41,3	
	06263	2,438	1.5D	61,9	
	06264	3,250	2D	82,6	
1 3/4 - 8	06282	1,750	1D	44,5	
	06283	2,625	1.5D	66,7	
	06284	3,500	2D	88,9	
1 7/8 - 8	06302	1,875	1D	47,6	
	06303	2,813	1.5D	71,4	
	06304	3,750	2D	95,3	
2" - 8	06322	2,000	1D	50,8	
	06323	3,000	1.5D	76,2	
	06324	4,000	2D	101,6	
2 1/8 - 8	06343	3,188	1.5D	81,0	
2 1/4 - 8	06362	2,250	1D	57,2	
	06363	3,375	1.5D	85,7	
	06402	2,500	1D	63,5	
2 1/2 - 8	06403	3,750	1.5D	95,3	
2 3/4 - 8	06443	2,750	1.5D	69,9	
3" - 8	06482	3,000	1D	76,2	
	06483	4,500	1.5D	114,3	

(10 PER BAG)

UNC left hand	PART NUMBER	LENGTHS			
		INCHES	D's	mm	
1/4 - 20	03043LH	0,250	1.5D	6,4	
5/16 - 18	03053LH	0,313	1.5D	8,0	
3/8 - 16	03063LH	0,375	1.5D	9,5	
7/16 - 14	03073LH	0,438	1.5D	11,1	
1/2 - 13	03083LH	0,500	1.5D	12,7	

(100 PER BAG)

Dry film lubing and cadmium plating available on request.

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INSERTS -

screw locking - METRIC



METRIC COARSE		PART NUMBER	LENGTHS			METRIC FINE	PART NUMBER
			INCHES	D's	mm		
M2.2 - .4	15012	0,087	1D	2,2			
	15013	0,130	1.5D	3,3			
	15014	0,173	2D	4,4			
	15015 *	0,217	2.5D	5,5			
	15016 *	0,260	3D	6,6			
M2.5 - .45	15252	0,098	1D	2,5			
	15253	0,150	1.5D	3,8			
	15254	0,197	2D	5,0			
	15255 *	0,248	2.5D	6,3			
	15256 *	0,295	3D	7,5			
M3 - .5	15032	0,118	1D	3,0			
	15033	0,177	1.5D	4,5			
	15034	0,236	2D	6,0			
	15035	0,296	2.5D	7,5			
	15036	0,354	3D	9,0			
M3.5 - .6	15352	0,138	1D	3,5			
	15353	0,209	1.5D	5,3			
	15354	0,276	2D	7,0			
	15355 *	0,346	2.5D	8,8			
	15356 *	0,413	3D	10,5			
M4 - .7	15042	0,157	1D	4,0			
	15043	0,236	1.5D	6,0			
	15044	0,315	2D	8,0			
	15045	0,394	2.5D	10,0			
	15046	0,472	3D	12,0			
M5 - .8	15052	0,197	1D	5,0			
	15053	0,295	1.5D	7,5			
	15054	0,394	2D	10,0			
	15055	0,492	2.5D	12,5			
	15056	0,591	3D	15,0			
M6 - 1	15062	0,236	1D	6,0			
	15063	0,354	1.5D	9,0			
	15064	0,472	2D	12,0			
	15065	0,591	2.5D	15,0			
	15066	0,709	3D	18,0			
M7 - 1	15072	0,276	1D	7,0			
	15073	0,413	1.5D	10,5			
	15074	0,551	2D	14,0			
	15075 *	0,689	2.5D	17,5			
	15076 *	0,827	3D	21,0			
M8 - 1.25	15082	0,315	1D	8,0	M8 - 1		17082
	15083	0,472	1.5D	12,0			17083
	15084	0,630	2D	16,0			17084
	15085	0,787	2.5D	20,0			17085 *
	15086	0,945	3D	24,0			17086 *
		0,315	1D	8,0	M8 - 0.75		18082 *
		0,472	1.5D	12,0			18083
		0,630	2D	16,0			18084 *
		0,787	2.5D	20,0			18085 *
		0,945	3D	24,0			18086 *

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.



METRIC	PART NUMBER
M10 - 1.5	15102
	15103
	15104
	15105 *
	15106 *
M12 - 1.75	15122
	15123
	15124
	15125 *
	15126 *

LENGTHS		
INCHES	D's	mm
0,394	1D	10,0
0,591	1.5D	15,0
0,787	2D	20,0
0,984	2.5D	25,0
1,181	3D	30,0
0,394	1D	10,0
0,591	1.5D	15,0
0,787	2D	20,0
0,984	2.5D	25,0
1,181	3D	30,0
0,472	1D	12,0
0,709	1.5D	18,0
0,945	2D	24,0
1,181	2.5D	30,0
1,417	3D	36,0
0,472	1D	12,0
0,709	1.5D	18,0
0,945	2D	24,0
1,181	2.5D	30,0
1,417	3D	36,0

METRIC	PART NUMBER
M10 - 1.25	17102
	17103
	17104
	17105 *
	17106 *
M10 - 1	18102
	18103
	18104
	18105 *
	18106 *
M12 - 1.5	17122
	17123
	17124
	17125 *
	17126 *
M12 - 1.25	18122
	18123
	18124
	18125 *
	18126 *

(100 PER BAG)

M14 - 2	15142
	15143
	15144
	15145 *
	15146 *
M16 - 2	15162
	15163
	15164
	15165 *
	15166 *
M18 - 2.5	15182
	15183
	15184
	15185 *
	15186 *

0,551	1D	14,0
0,827	1.5D	21,0
1,102	2D	28,0
1,378	2.5D	35,0
1,654	3D	42,0
0,630	1D	16,0
0,945	1.5D	24,0
1,260	2D	32,0
1,575	2.5D	40,0
1,890	3D	48,0
0,709	1D	18,0
1,063	1.5D	27,0
1,417	2D	36,0
1,772	2.5D	45,0
2,126	3D	54,0

M14 - 1.5	17142
	17143
	17144
	17145 *
	17146 *
M16 - 1.5	17162
	17163
	17164
	17165 *
	17166 *
M18 - 2	17182
	17183
	17184
	17185 *
	17186 *

(50 PER BAG)

M20 - 2.5	15202
	15203
	15204
	15205 *
	15206 *
M22 - 2.5	15222
	15223
	15224
	15225 *
	15226 *
M24 - 3	15242
	15243
	15244
	15245 *
	15246 *

0,787	1D	20,0
1,181	1.5D	30,0
1,575	2D	40,0
1,969	2.5D	50,0
2,362	3D	60,0
0,866	1D	22,0
1,299	1.5D	33,0
1,732	2D	44,0
2,165	2.5D	55,0
2,598	3D	66,0
0,945	1D	24,0
1,417	1.5D	36,0
1,890	2D	48,0
2,362	2.5D	60,0
2,835	3D	72,0

M20 - 2	17202
	17203
	17204
	17205 *
	17206 *
M22 - 2	17222
	17223
	17224
	17225 *
	17226 *
M24 - 2	17242
	17243
	17244
	17245 *
	17246 *

(25 PER BAG)

Dry film lubing and cadmium plating available on request.

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INSERTS -

screw-locking - METRIC



METRIC	PART NUMBER
M27 - 3	15272
	15273
	15274
	15275 *
	15276 *
M30 - 3.5	15302
	15303
	15304
	15305 *
	15306 *

LENGTHS		
INCHES	D's	mm
1,063	1D	27,0
1,594	1.5D	40,5
2,126	2D	54,0
2,657	2.5D	67,5
3,189	3D	81,0
1,181	1D	30,0
1,772	1.5D	45,0
2,362	2D	60,0
2,953	2.5D	75,0
3,543	3D	90,0

METRIC FINE	PART NUMBER
M27 - 2	17272
	17273
	17274
	17275 *
	17276 *
M30 - 2	17302
	17303
	17304
	17305 *
	17306 *

(10 PER BAG)

METRIC	PART NUMBER
M30 - 3	15302-3
	15303-3
	15304-3
	15305-3 *
	15306-3 *
M36 - 4	15362
	15363
	15364 *
	15365 *
	15366 *
M39 - 4	15392
	15393
	15394 *

LENGTHS		
INCHES	D's	mm
1,181	1D	30,0
1,772	1.5D	45,0
2,362	2D	60,0
2,953	2.5D	75,0
3,543	3D	90,0
1,417	1D	36,0
2,126	1.5D	54,0
2,835	2D	72,0
3,543	2.5D	90,0
4,252	3D	108,0
1,535	1D	39,0
2,303	1.5D	58,5
3,071	2D	78,0

METRIC FINE	PART NUMBER
M36 - 3	17362
	17363
	17364 *
	17365 *
	17366 *
M39 - 3	17392
	17393
	17394 *

(10 PER BAG)

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* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

INSERTS -

screw locking - UNC / UNF



UNC	PART NUMBER	LENGTHS			UNF	PART NUMBER
		INCHES	D's	mm		
#2 - 56	13522	0,086	1D	2,2		
	13523	0,129	1.5D	3,3		
	13524	0,172	2D	4,4		
	13525 *	0,215	2.5D	5,5		
	13526 *	0,258	3D	6,6		
#3 - 48	13532	0,099	1D	2,5	#3 - 56	14532
	13533	0,149	1.5D	3,8		14533
	13534	0,198	2D	5,0		14534
	13535 *	0,248	2.5D	6,3		
	13536 *	0,297	3D	7,5		
#4 - 40	13542	0,112	1D	2,8	#4 - 48	14542
	13543	0,168	1.5D	4,3		14543
	13544	0,224	2D	5,7		14544
	13545	0,280	2.5D	7,1		
	13546	0,336	3D	8,5		
#5 - 40	13552	0,125	1D	3,2		
	13553	0,188	1.5D	4,8		
	13554	0,250	2D	6,4		
	13555 *	0,313	2.5D	7,9		
	13556 *	0,375	3D	9,5		
#6 - 32	13562	0,138	1D	3,5	#6 - 40	14562
	13563	0,207	1.5D	5,3		14563
	13564	0,276	2D	7,0		14564
	13565	0,345	2.5D	8,8		
	13566	0,414	3D	10,5		
#8 - 32	13582	0,164	1D	4,2	#8 - 36	14582
	13583	0,246	1.5D	6,2		14583
	13584	0,328	2D	8,3		14584
	13585	0,410	2.5D	10,4		
	13586	0,492	3D	12,5		
#10 - 24	13602	0,190	1D	4,8	#10 - 32	14602
	13603	0,285	1.5D	7,2		14603
	13604	0,380	2D	9,7		14604
	13605	0,475	2.5D	12,1		14605 *
	13606	0,570	3D	14,5		14606 *
#12 - 24	13622	0,216	1D	5,5		
	13623	0,324	1.5D	8,2		
	13624	0,432	2D	11,0		
	13625 *	0,540	2.5D	13,7		
	13626 *	0,648	3D	16,5		
1/4 - 20	13042	0,250	1D	6,4	1/4 - 28	14042
	13043	0,375	1.5D	9,5		14043
	13044	0,500	2D	12,7		14044
	13045	0,625	2.5D	15,9		14045 *
	13046	0,750	3D	19,1		14046 *
5/16 - 18	13052	0,313	1D	8,0	5/16 - 24	14052
	13053	0,470	1.5D	11,9		14053
	13054	0,626	2D	15,9		14054
	13055	0,783	2.5D	19,9		14055 *
	13056	0,939	3D	23,9		14056 *
3/8 - 16	13062	0,375	1D	9,5	3/8 - 24	14062
	13063	0,563	1.5D	14,3		14063
	13064	0,750	2D	19,1		14064
	13065	0,938	2.5D	23,8		14065 *
	13066	1,125	3D	28,6		14066 *

(100 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.



UNC	PART NUMBER
7/16 - 14	13072
	13073
	13074
	13075 *
	13076 *
1/2 - 13	13082
	13083
	13084
	13085 *
	13086 *

LENGTHS			
INCHES	D's	mm	
0,438	1D	11,1	
0,657	1.5D	16,7	
0,876	2D	22,3	
1,095	2.5D	27,8	
1,314	3D	33,4	
0,500	1D	12,7	
0,750	1.5D	19,1	
1,000	2D	25,4	
1,250	2.5D	31,8	
1,500	3D	38,1	

UNF	PART NUMBER
7/16 - 20	14072
	14073
	14074
	14075 *
	14076 *
1/2 - 20	14082
	14083
	14084
	14085 *
	14086 *

(100 PER BAG)

UNC	PART NUMBER
9/16 - 12	13092
	13093
	13094
	13095 *
	13096 *
5/8 - 11	13102
	13103
	13104
	13105 *
	13106 *
3/4 - 10	13122
	13123
	13124
	13125 *
	13126 *

LENGTHS			
INCHES	D's	mm	
0,563	1D	14,3	
0,845	1.5D	21,5	
1,126	2D	28,6	
1,408	2.5D	35,8	
1,689	3D	42,9	
0,625	1D	15,9	
0,938	1.5D	23,8	
1,250	2D	31,8	
1,563	2.5D	39,7	
1,875	3D	47,6	
0,688	1D	17,5	
1,032	1.5D	26,2	
1,376	2D	35,0	
1,720	2.5D	43,7	
2,064	3D	52,4	

UNF	PART NUMBER
9/16 - 18	14092
	14093
	14094
	14095 *
	14096 *
5/8 - 18	14102
	14103
	14104
	14105 *
	14106 *
3/4 - 16	14122
	14123
	14124
	14125 *
	14126 *

(50 PER BAG)

UNC	PART NUMBER
7/8 - 9	13142
	13143
	13144
	13145 *
	13146 *
1" - 8	13162
	13163
	13164
	13165 *
	13166 *

LENGTHS			
INCHES	D's	mm	
0,750	1D	19,1	
1,125	1.5D	28,6	
1,500	2D	38,1	
1,875	2.5D	47,6	
2,250	3D	57,2	
0,875	1D	22,2	
1,313	1.5D	33,3	
1,750	2D	44,5	
2,188	2.5D	55,6	
2,625	3D	66,7	
1,000	1D	25,4	
1,500	1.5D	38,1	
2,000	2D	50,8	
2,500	2.5D	63,5	
3,000	3D	76,2	

UNF	PART NUMBER
7/8 - 14	14142
	14143
	14144
	14145 *
	14146 *
1" - 12	14162
	14163
	14164
	14165 *
	14166 *
1" - 14	14162-14 *
	14163-14 *
	14164-14 *
	14165-14 *
	14166-14 *

(25 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

screw locking - UNC / UNF / UN



UNC	PART NUMBER
1 1/8 - 7	13182
	13183
	13184
	13185 *
	13186 *
1 1/4 - 7	13202
	13203
	13204
	13205 *
	13206 *
1 3/8 - 7	13222
	13223
	13224
	13225 *
	13226 *
1 1/2 - 6	13242
	13243
	13244
	13245 *
	13246 *

LENGTHS		
INCHES	D's	mm
1,125	1D	28.6
1,688	1.5D	42.9
2,250	2D	57.2
2,813	2.5D	71.4
3,375	3D	85.7
1,250	1D	31.8
1,875	1.5D	47.6
2,500	2D	63.5
3,125	2.5D	79.4
3,750	3D	95.3
1,375	1D	34.9
2,063	1.5D	52.4
2,750	2D	69.9
3,438	2.5D	87.3
4,125	3D	104.8
1,500	1D	38.1
2,250	1.5D	57.2
3,000	2D	76.2
3,750	2.5D	95.3
4,500	3D	114.3

UNF	PART NUMBER
1 1/8 - 12	14182
	14183
	14184
	14185 *
	14186 *
1 1/4 - 12	14202
	14203
	14204
	14205 *
	14206 *
1 3/8 - 12	14222
	14223
	14224
	14225 *
	14226 *
1 1/2 - 12	14242
	14243
	14244
	14245 *
	14246 *

(10 PER BAG)

8 TPI UN	PART NUMBER
1 1/8 - 8	16182 *
	16183 *
	16184 *
1 1/4 - 8	16202 *
	16203 *
	16204 *
1 3/8 - 8	16222 *
	16223 *
	16224 *
1 1/2 - 8	16242 *
	16243 *
	16244 *
1 5/8 - 8	16262 *
	16263 *
	16264 *
1 3/4 - 8	16282 *
	16283 *
	16284 *
1 7/8 - 8	16302 *
	16303 *
	16304 *
2" - 8	16322 *
	16323 *
	16324 *

LENGTHS		
INCHES	D's	mm
1,125	1D	28,6
1,688	1.5D	42,9
2,250	2D	57,2
1,250	1D	31,8
1,875	1.5D	47,6
2,500	2D	63,5
1,375	1D	34,9
2,063	1.5D	52,4
2,750	2D	69,9
1,500	1D	38,1
2,250	1.5D	57,2
3,000	2D	76,2
1,625	1D	41,3
2,438	1.5D	61,9
3,250	2D	82,6
1,750	1D	44,5
2,625	1.5D	66,7
3,500	2D	88,9
1,875	1D	47,6
2,813	1.5D	71,4
3,750	2D	95,3
2,000	1D	50,8
3,000	1.5D	76,2
4,000	2D	101,6

[illegible]

(10 PER BAG)

Dry film lubing and cadmium plating available on request.

* Non popular sizes or lengths. Please check availability, minimum quantity's may apply.

METRIC - ISO DIMENSIONS, HSS MATERIAL.



METRIC COARSE		
SIZE	PART NO.	TYPE
M2 - 0.4	45024	TAPER
	45025	INTER
	45026	BOTT
M2.2 - 0.45	45018	TAPER
	45019	INTER
	45016	BOTT
M2.5 - 0.45	45254	TAPER
	45255	INTER
	45256	BOTT
M3 - 0.5	45034	TAPER
	45035	INTER
	45036	BOTT
M3.5 - 0.6	45354	TAPER
	45355	INTER
	45356	BOTT
M4 - 0.7	45044	TAPER
	45045	INTER
	45046	BOTT
M5 - 0.8	45054	TAPER
	45055	INTER
	45056	BOTT
M6 - 1	45064	TAPER
	45065	INTER
	45066	BOTT
	45067	P/NOSE
	45065LH	L/HAND
M7 - 1	45074	TAPER
	45075	INTER
	45076	BOTT
M8 - 1.25	45084	TAPER
	45085	INTER
	45086	BOTT
	45087	P/NOSE
	45085LH	L/HAND
M9 - 1.25	45094	TAPER
	45095	INTER
	45096	BOTT
M10 - 1.5	45104	TAPER
	45105	INTER
	45106	BOTT
	45107	P/NOSE
	45105LH	L/HAND
M11 - 1.5	45114	TAPER
	45115	INTER
	45116	BOTT

METRIC MEDIUM		
SIZE	PART NO.	TYPE
M8 - 1	47084	TAPER
	47085	INTER
	47086	BOTT
M9 - 1	47094	TAPER
	47095	INTER
	47096	BOTT
M10-1.25	47104	TAPER
	47105	INTER
	47106	BOTT
	47107	P/NOSE
M11-1.25	47114	TAPER
	47115	INTER
	47116	BOTT

METRIC FINE		
SIZE	PART NO.	TYPE
M8 - 0.75	48084	TAPER
	48085	INTER
	48086	BOTT
M10 - 1	48104	TAPER
	48105	INTER
	48106	BOTT
	48107	P/NOSE
M11 - 1	48114	TAPER
	48115	INTER
	48116	BOTT

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS

STRAIGHT FLUTE TAPS (HAND / SHORT MACHINE)

METRIC - ISO DIMENSIONS, HSS MATERIAL.



METRIC COARSE		
SIZE	PART NO.	TYPE
M12 - 1.75	45124	TAPER
	45125	INTER
	45126	BOTT
	45127	P/NOSE
	45125LH	L/HAND
M13 - 1.75	45143	INTER
	45144	TAPER
M14 - 2	45145	INTER
	45146	BOTT
M15 - 2	45154	* TAPER
	45155	INTER
	45156	* BOTT
M16 - 2	45164	TAPER
	45165	INTER
	45166	BOTT
M18 - 2.5	45184	TAPER
	45185	INTER
	45186	BOTT
M20 - 2.5	45204	TAPER
	45205	INTER
	45206	BOTT
M22 - 2.5	45224	* TAPER
	45225	INTER
	45226	* BOTT
M24 - 3	45244	TAPER
	45245	INTER
	45246	BOTT
M27 - 3	45274	* TAPER
	45275	INTER
	45276	* BOTT
M30 - 3.5	45304	TAPER
	45305	INTER
	45306	BOTT
M30 - 3	45305-3	* INTER

METRIC MEDIUM		
SIZE	PART NO.	TYPE
M12 - 1.5	47124	TAPER
	47125	INTER
	47126	BOTT
M13 - 1.5	47143	INTER
	47144	TAPER
	47145	INTER
M14 - 1.5	47146	BOTT
	47154	* TAPER
	47155	INTER
M15 - 1.5	47156	* BOTT
	47164	TAPER
	47165	INTER
M16 - 1.5	47166	BOTT
	47184	TAPER
M18 - 2	47185	INTER
	47186	BOTT
M20 - 2	47204	TAPER
	47205	INTER
	47206	BOTT
M22 - 2	47224	* TAPER
	47225	INTER
	47226	* BOTT
M24 - 2	47244	TAPER
	47245	INTER
	47246	BOTT
M27 - 2	47274	* TAPER
	47275	INTER
	47276	* BOTT
M30 - 2	47304	TAPER
	47305	INTER
	47306	BOTT

METRIC FINE		
SIZE	PART NO.	TYPE
M12-1.25	48124	TAPER
	48125	INTER
	48126	BOTT
	48127	P/NOSE
M12-1	48124-1	* TAPER
	48125-1	INTER
	48126-1	* BOTT
M13-1.25	48143	INTER
	48144	TAPER
M14-1.25	48145	INTER
	48146	BOTT
	48147	P/NOSE
M18 - 1.5	48184	TAPER
	48185	INTER
	48186	BOTT
	48187	P/NOSE
M20 - 1.5	48204	TAPER
	48205	INTER
	48206	BOTT
	48224	* TAPER
M22 - 1.5	48225	INTER
	48226	* BOTT
	48244	TAPER
M24 - 1.5	48245	INTER
	48246	BOTT
M26 - 1.5	48264	* TAPER
	48265	INTER
	48266	* BOTT
M27 - 1.5	48274	* TAPER
	48275	INTER
	48276	* BOTT
	48304	TAPER
M30 - 1.5	48305	INTER
	48306	BOTT

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS

STRAIGHT FLUTE TAPS (HAND / SHORT MACHINE)

METRIC - ISO DIMENSIONS, HSS MATERIAL.



METRIC COARSE			
SIZE	PART NO.	TYPE	
M33 - 3.5	45334	*	TAPER
	45335		INTER
	45336	*	BOTT
M36 - 4	45364	*	TAPER
	45365		INTER
	45366	*	BOTT
M39 - 4	45394	*	TAPER
	45395		INTER
	45396	*	BOTT
M42 - 4.5	45424	*	TAPER
	45425		INTER
	45426		BOTT
M42 - 4	45425-4	*	

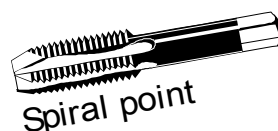
METRIC MEDIUM			
SIZE	PART NO.	TYPE	
M33-2	47334	*	TAPER
	47335		INTER
	47336	*	BOTT
M36 - 3	47364	*	TAPER
	47365		INTER
	47366	*	BOTT
M39 - 3	47394	*	TAPER
	47395		INTER
	47396	*	BOTT
M42 - 3	47424	*	TAPER
	47425		INTER
	47426	*	BOTT

METRIC FINE			
SIZE	PART NO.	TYPE	
M36 - 1.5	48364	*	TAPER
	48365		INTER
	48366	*	BOTT
M39 - 2	48394	*	TAPER
	48395		INTER
	48396	*	BOTT
M42 - 2	48424	*	TAPER
	48425		INTER
	48426	*	BOTT

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

SPIRAL FLUTE & SPIRAL POINT TAPS (MACHINE)

METRIC - ISO DIMENSIONS, HSSE MATERIAL



METRIC COARSE		
SIZE	PART NO.	TYPE
M2 - 0.4	45028	SP/POINT
	45029	SP/FLUTE
M2.2 - 0.45	45018 *	SP/POINT
	45019 *	SP/FLUTE
M2.5 - 0.45	45258	SP/POINT
	45259	SP/FLUTE
M3 - 0.5	45038	SP/POINT
	45039	SP/FLUTE
M3.5 - 0.6	45358 *	SP/POINT
	45359 *	SP/FLUTE
M4 - 0.7	45048	SP/POINT
	45049	SP/FLUTE
M5 - 0.8	45058	SP/POINT
	45059	SP/FLUTE
M6 - 1	45068	SP/POINT
	45069	SP/FLUTE
M8 - 1.25	45088	SP/POINT
	45089	SP/FLUTE
M10-1.5	45108	SP/POINT
	45109	SP/FLUTE
M12-1.75	45128	SP/POINT
	45129	SP/FLUTE
M14 - 2	45148	SP/POINT
	45149	SP/FLUTE
M16 - 2	45168	SP/POINT
	45169	SP/FLUTE
M18 - 2.5	45188	SP/POINT
	45189	SP/FLUTE
M20 - 2.5	45208	SP/POINT
	45209	SP/FLUTE
M24 - 3	45248	SP/POINT
	45249	SP/FLUTE

METRIC MEDIUM		
SIZE	PART NO.	TYPE
M8 - 1	47088	SP/POINT
	47089	SP/FLUTE
M10-1.25	47108	SP/POINT
	47109	SP/FLUTE
M12 - 1.5	47128	SP/POINT
	47129	SP/FLUTE
M14 - 1.5	47148 *	SP/POINT
	47149 *	SP/FLUTE
M16 - 1.5	47168 *	SP/POINT
	47169 *	SP/FLUTE

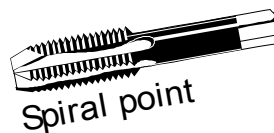
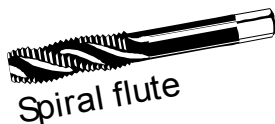
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* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS

SPIRAL FLUTE & SPIRAL POINT TAPS (MACHINE)

METRIC - JIS DIMENSIONS, HSSE MATERIAL



METRIC COARSE		
SIZE	PART NO.	TYPE
M2 - 0.4	45028JIS	* SP/POINT
	45029JIS	* SP/FLUTE
M2.2 - 0.45	45018JIS	* SP/POINT
	45019JIS	* SP/FLUTE
M2.5 - 0.45	45258JIS	SP/POINT
	45259JIS	SP/FLUTE
M3 - 0.5	45038JIS	SP/POINT
	45039JIS	SP/FLUTE
M3.5 - 0.6	45358JIS	* SP/POINT
	45359JIS	* SP/FLUTE
M4 - 0.7	45048JIS	SP/POINT
	45049JIS	SP/FLUTE
M5 - 0.8	45058JIS	SP/POINT
	45059JIS	SP/FLUTE
M6 - 1	45068JIS	SP/POINT
	45069JIS	SP/FLUTE
M8 - 1.25	45088JIS	SP/POINT
	45089JIS	SP/FLUTE
M10-1.5	45108JIS	SP/POINT
	45109JIS	SP/FLUTE
M12-1.75	45128JIS	SP/POINT
	45129JIS	SP/FLUTE
M14 - 2	45148JIS	* SP/POINT
	45149JIS	* SP/FLUTE
M16 - 2	45168JIS	* SP/POINT
	45169JIS	* SP/FLUTE
M18 - 2.5	45188JIS	* SP/POINT
	45189JIS	* SP/FLUTE
M20 - 2.5	45208JIS	* SP/POINT
	45209JIS	* SP/FLUTE
M24 - 3	45248JIS	* SP/POINT
	45249JIS	* SP/FLUTE

METRIC MEDIUM		
SIZE	PART NO.	TYPE
	47088JIS	* SP/POINT
M8 - 1	47089JIS	* SP/FLUTE
	47108JIS	* SP/POINT
M10-1.25	47109JIS	* SP/FLUTE
	47128JIS	* SP/POINT
M12 - 1.5	47129JIS	* SP/FLUTE
	47148JIS	* SP/POINT
M14 - 1.5	47149JIS	* SP/FLUTE
	47168JIS	* SP/POINT
M16 - 1.5	47169JIS	* SP/FLUTE

[illegible]

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS

STRAIGHT FLUTE TAPS (HAND / SHORT MACHINE)

INCH - (ANSI / BS DIMENSIONS),

HSS MATERIAL



UNC		
SIZE	PART NO.	TYPE
#2 - 56	43524	TAPER
	43525	INTER
	43526	BOTT
#3 - 48	43534 *	TAPER
	43535	INTER
	43536 *	BOTT
#4 - 40	43544	TAPER
	43545	INTER
	43546	BOTT
#5 - 40	43554	TAPER
	43555	INTER
	43556	BOTT
#6 - 32	43564	TAPER
	43565	INTER
	43566	BOTT
#8 - 32	43584	TAPER
	43585	INTER
	43586	BOTT
#10 - 24	43604	TAPER
	43605	INTER
	43606	BOTT
#12 - 24	43624 *	TAPER
	43625	INTER
	43626 *	BOTT
1/4 - 20	43044	TAPER
	43045	INTER
	43046	BOTT
5/16-18	43054	TAPER
	43055	INTER
	43056	BOTT
3/8 - 16	43064	TAPER
	43065	INTER
	43066	BOTT
7/16-14	43074	TAPER
	43075	INTER
	43076	BOTT
1/2 - 13	43084	TAPER
	43085	INTER
	43086	BOTT
9/16-12	43094	TAPER
	43095	INTER
	43096	BOTT
5/8 - 11	43104	TAPER
	43105	INTER
	43106	BOTT

BSW		
SIZE	PART NO.	TYPE
1/8 - 40	42024 *	TAPER
	42025	INTER
	42026 *	BOTT
3/16-24	42034	TAPER
	42035	INTER
	42036	BOTT
1/4 - 20	42044	TAPER
	42045	INTER
	42046	BOTT
5/16-18	42054	TAPER
	42055	INTER
	42056	BOTT
3/8 - 16	42064	TAPER
	42065	INTER
	42066	BOTT
7/16-14	42074	TAPER
	42075	INTER
	42076	BOTT
1/2 - 12	42084	TAPER
	42085	INTER
	42086	BOTT
9/16-12	42094	TAPER
	42095	INTER
	42096	BOTT
5/8 - 11	42104	TAPER
	42105	INTER
	42106	BOTT

UNF		
SIZE	PART NO.	TYPE
#3 - 56	44534 *	TAPER
	44535	INTER
	44536 *	BOTT
#4 - 48	44544 *	TAPER
	44545	INTER
	44546 *	BOTT
#6 - 40	44564	TAPER
	44565	INTER
	44566	BOTT
#8 - 36	44584 *	TAPER
	44585	INTER
	44586 *	BOTT
#10 - 32	44604	TAPER
	44605	INTER
	44606	BOTT
#12 - 28	44624 *	TAPER
	44625	INTER
	44626 *	BOTT
1/4 - 28	44044	TAPER
	44045	INTER
	44046	BOTT
5/16-24	44054	TAPER
	44055	INTER
	44056	BOTT
3/8 - 24	44064	TAPER
	44065	INTER
	44066	BOTT
7/16-20	44074	TAPER
	44075	INTER
	44076	BOTT
1/2 - 20	44084	TAPER
	44085	INTER
	44086	BOTT
9/16-18	44094	TAPER
	44095	INTER
	44096	BOTT
5/8 - 18	44104	TAPER
	44105	INTER
	44106	BOTT

* Non Popular Items

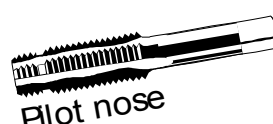
Minimum Qty's or Setup Charges May Apply

TAPS

STRAIGHT FLUTE TAPS (HAND / SHORT MACHINE)

INCH - (ANSI / BS DIMENSIONS),

HSS MATERIAL



UNC		
SIZE	PART NO.	TYPE
11/16-11	43114	* TAPER
	43115	INTER
	43116	* BOTT
3/4 - 10	43124	TAPER
	43125	INTER
	43126	BOTT
7/8 - 9	43144	TAPER
	43145	INTER
	43146	BOTT
1 - 8	43164	TAPER
	43165	INTER
	43166	BOTT
1 1/8 - 7	43184	TAPER
	43185	INTER
	43186	BOTT
1 1/4 - 7	43204	TAPER
	43205	INTER
	43206	BOTT
1 3/8 - 6	43224	TAPER
	43225	INTER
	43226	BOTT
1 1/2 - 6	43244	TAPER
	43245	INTER
	43246	BOTT

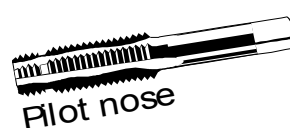
BSW		
SIZE	PART NO.	TYPE
3/4 - 10	42124	TAPER
	42125	INTER
	42126	BOTT
7/8 - 9	42144	TAPER
	42145	INTER
	42146	BOTT
1 - 8	42164	TAPER
	42165	INTER
	42166	BOTT
1 1/8 - 7	42184	TAPER
	42185	INTER
	42186	BOTT
1 1/4 - 7	42204	TAPER
	42205	INTER
	42206	BOTT
1 3/8 - 6	42224	TAPER
	42225	INTER
	42226	BOTT
1 1/2 - 6	42244	TAPER
	42245	INTER
	42246	BOTT

UNF		
SIZE	PART NO.	TYPE
3/4 - 16	44124	TAPER
	44125	INTER
	44126	BOTT
7/8 - 14	44144	TAPER
	44145	INTER
	44146	BOTT
1 - 12	44164	TAPER
	44165	INTER
	44166	BOTT
1 - 14	44164-14	TAPER
	44165-14	INTER
	44166-14	BOTT
1 1/8-12	44184	TAPER
	44185	INTER
	44186	BOTT
1 1/4- 12	44204	TAPER
	44205	INTER
	44206	BOTT
1 3/8-12	44224	TAPER
	44225	INTER
	44226	BOTT
1 1/2-12	44244	TAPER
	44245	INTER
	44246	BOTT

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS INCH STRAIGHT FLUTE TAPS (HAND / SHORT MACHINE)

INCH - (ISO - BRITISH SIZES) / (ANSI - OTHER SIZES), HSS MATERIAL



BSF		
SIZE	PART NO.	TYPE
3/16 - 32	40034	TAPER
	40035	INTER
	40036	BOTT
1/4 - 26	40044	TAPER
	40045	INTER
	40046	BOTT
5/16 - 22	40054	TAPER
	40055	INTER
	40056	BOTT
3/8 - 20	40064	TAPER
	40065	INTER
	40066	BOTT
7/16 - 18	40074	TAPER
	40075	INTER
	40076	BOTT
1/2 - 16	40084	TAPER
	40085	INTER
	40086	BOTT
9/16 - 16	40094	TAPER
	40095	INTER
	40096	BOTT
5/8 - 14	40104	TAPER
	40105	INTER
	40106	BOTT
3/4 - 12	40124	TAPER
	40125	INTER
	40126	BOTT
7/8 - 11	40144	TAPER
	40145	INTER
	40146	BOTT
1 - 10	40164	TAPER
	40165	INTER
	40166	BOTT
1 1/4 - 9	40204	TAPER
	40205	INTER
	40206	BOTT

BA		
SIZE	PART NO.	TYPE
0 BA	40504	TAPER
	40505	INTER
	40506	BOTT
2 BA	40524	TAPER
	40525	INTER
	40526	BOTT
4 BA	40544	TAPER
	40545	INTER
	40546	BOTT
6 BA	40564	TAPER
	40565	INTER
	40566	BOTT

BSP		
SIZE	PART NO.	TYPE
1/8 - 28	41024	TAPER
	41025	INTER
	41026	BOTT
1/4 - 19	41044	TAPER
	41045	INTER
	41046	BOTT
3/8 - 19	41064	TAPER
	41065	INTER
	41066	BOTT
1/2 - 14	41084	TAPER
	41085	INTER
	41086	BOTT
5/8 - 14	41104	TAPER
	41105	INTER
	41106	BOTT
3/4 - 14	41124	TAPER
	41125	INTER
	41126	BOTT
1 - 11	41164 *	TAPER
	41165	INTER
	41166 *	BOTT

SPECIAL SIZES		
SIZE	PART NO.	TYPE
UNEF	44044-32	* TAPER
1/4 - 32	44045-32	INTER
	44046-32	* BOTT
HARLEY	44044-24	* TAPER
	44045-24	INTER
	44046-24	* BOTT
HARLEY	44074-16	* TAPER
	44075-16	INTER
	44076-16	* BOTT
CARB.	44144-20	* TAPER
	44145-20	INTER
	44146-20	* BOTT
CARB.	44164-20	* TAPER
	44165-20	INTER
	44166-20	* BOTT
CUMMINS	44114-16	* TAPER
	44115-16	INTER
	44116-16	* BOTT

NPT		
SIZE	PART NO.	TYPE
1/8 - 27	46024	TAPER
	46025	INTER
	46026	BOTT
1/4 - 18	46044	TAPER
	46045	INTER
	46046	BOTT
3/8 - 18	46064	TAPER
	46065	INTER
	46066	BOTT
1/2 - 14	46084	TAPER
	46085	INTER
	46086	BOTT
3/4 - 14	46124	TAPER
	46125	INTER
	46126	BOTT
1 - 11 1/2	46164 *	TAPER
	46165	INTER
	46166 *	BOTT

BSC		
SIZE	PART NO.	TYPE
5/16 - 26	46504	TAPER
	46505	INTER
	46506	BOTT
3/8 - 26	46604	TAPER
	46605	INTER
	46606	BOTT
7/16 - 26	46704	TAPER
	46705	INTER
	46706	BOTT
1/2 - 26	46804	TAPER
	46805	INTER
	46806	BOTT

8 TPI UN		
SIZE	PART NO.	TYPE
1 1/8 - 8	46184	TAPER
	46185	INTER
	46186	BOTT
1 1/4 - 8	46204	TAPER
	46205	INTER
	46206	BOTT
1 3/8 - 8	46224	TAPER
	46225	INTER
	46226	BOTT
1 1/2 - 8	46244	TAPER
	46245	INTER
	46246	BOTT

8 TPI UN		
SIZE	PART NO.	TYPE
1 5/8 - 8	46264	TAPER
	46265	INTER
	46266	BOTT
1 3/4 - 8	46284	TAPER
	46285	INTER
	46286	BOTT
1 7/8 - 8	46304	TAPER
	46305	INTER
	46306	BOTT
2 - 8	46324	TAPER
	46325	INTER
	46326	BOTT

Where parts not listed, price and delivery on application.

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

TAPS

SPIRAL FLUTE & SPIRAL POINT TAPS (MACHINE)

INCH - (ANSI DIMENSIONS),

HSSE MATERIAL



UNC		
SIZE	PART NO.	TYPE
#2 - 56	43528	SP/POINT
	43529	SP/FLUTE
#3 - 48	43538 *	SP/POINT
	43539 *	SP/FLUTE
#4 - 40	43548	SP/POINT
	43549	SP/FLUTE
#5 - 40	43558	SP/POINT
	43559	SP/FLUTE
#6 - 32	43568	SP/POINT
	43569	SP/FLUTE
#8 - 32	43588	SP/POINT
	43589	SP/FLUTE
#10 - 24	43608	SP/POINT
	43609	SP/FLUTE
#12 - 24	43628 *	SP/POINT
	43629 *	SP/FLUTE
1/4 - 20	43048	SP/POINT
	43049	SP/FLUTE
5/16-18	43058	SP/POINT
	43059	SP/FLUTE
3/8 - 16	43068	SP/POINT
	43069	SP/FLUTE
7/16-14	43078	SP/POINT
	43079	SP/FLUTE
1/2 - 13	43088	SP/POINT
	43089	SP/FLUTE
5/8 - 11	43108	SP/POINT
	43109	SP/FLUTE
3/4 - 10	43128	SP/POINT
	43129	SP/FLUTE
7/8 - 9	43148	SP/POINT
	43149	SP/FLUTE
1" - 8	43168	SP/POINT
	43169	SP/FLUTE

UNF		
SIZE	PART NO.	TYPE
#4 - 48	44548 *	SP/POINT
	44549 *	SP/FLUTE
#6 - 40	44568 *	SP/POINT
	44569 *	SP/FLUTE
#8 - 36	44588 *	SP/POINT
	44589 *	SP/FLUTE
#10 - 32	44608	SP/POINT
	44609	SP/FLUTE
1/4 - 28	44048	SP/POINT
	44049	SP/FLUTE
5/16-24	44058	SP/POINT
	44059	SP/FLUTE
3/8 - 24	44068	SP/POINT
	44069	SP/FLUTE
7/16-20	44078	SP/POINT
	44079	SP/FLUTE
1/2 - 20	44088	SP/POINT
	44089	SP/FLUTE
5/8 - 18	44108	SP/POINT
	44109	SP/FLUTE
3/4 - 16	44128	SP/POINT
	44129	SP/FLUTE

* Non Popular Items - Minimum Qty's or Setup Charges May Apply

GAUGES



For gauging STI holes. i.e. the tapped hole before the insert is installed.

METRIC COARSE 65000 +			
TOLERANCE			
SIZE	4H5H	5H MED	
2.0 - .4	65024	65025	
2.2 - .45	65014	65015	
2.5 - .45	65254	65255	
3 - .5	65034	65035	
3.5 - .6	65354	65355	
4 - .7	65044	65045	
5 - .8	65054	65055	
6 - 1	65064	65065	
7 - 1	65074	65075	
8 - 1.25	65084	65085	
9 - 1.25	65094	65095	
10 - 1.5	65104	65105	
11 - 1.5	65114	65115	
12 - 1.75	65124	65125	
13 - 1.75	65134	65135	
14 - 2	65144	65145	
15 - 2	65154	65155	
16 - 2	65164	65165	
18 - 2.5	65184	65185	
20 - 2.5	65204	65205	
22 - 2.5	65224	65225	
24 - 3	65244	65245	
27 - 3	65274	65275	
30 - 3.5	65304	65305	
30 - 3	65304-3	65305-3	
36 - 4	65364	65365	
39 - 4	65394	65395	
42 - 4.5	65424	65425	
42 - 4	65424-4	65425-4	
UNC 63000 +			
TOLERANCE			
SIZE	3B CLOSE	2B MED	
2 - 56	63523	63522	
3 - 48	63533	63532	
4 - 40	63543	63542	
5 - 40	63553	63552	
6 - 32	63563	63562	
8 - 32	63583	63582	
10 - 24	63603	63602	
12 - 24	63623	63622	
1/4 - 20	63043	63042	
5/16 - 18	63053	63052	
3/8 - 16	63063	63062	
7/16 - 14	63073	63072	
1/2 - 13	63083	63082	
9/16 - 12	63093	63092	
5/8 - 11	63103	63102	
11/16 - 11	63113	63112	
3/4 - 10	63123	63122	
7/8 - 9	63143	63142	
1 - 8	63163	63162	
1 1/8 - 7	63183	63182	
1 1/4 - 7	63203	63202	
1 3/8 - 6	63223	63222	
1 1/2 - 6	63243	63242	

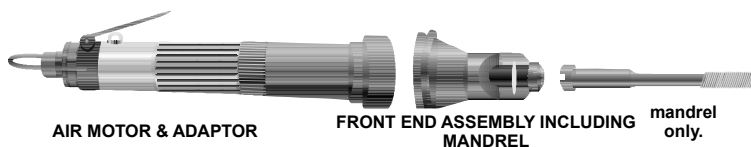
BSC 66500+			
TOLERANCE			
SIZE	CLOSE	MED	
1/4 - 26		60042	
5/16 - 26		66502	
3/8 - 26		66602	
7/16 - 26		66702	
1/2 - 26		66802	
METRIC MEDIUM 67000 +			
TOLERANCE			
SIZE	4H5H	5H MED	
8 - 1	67084	67085	
9 - 1	67094	67095	
10 - 1.25	67104	67105	
11 - 1.25	67114	67115	
12 - 1.5	67124	67125	
13 - 1.5	67134	67135	
14 - 1.5	67144	67145	
15 - 1.5	67154	67155	
16 - 1.5	67164	67165	
18 - 2	67184	67185	
20 - 2	67204	67205	
22 - 2	67224	67225	
24 - 2	67244	67245	
27 - 2	67274	67305	
30 - 2	67304	67305	
36 - 3	67364	67365	
39 - 3	67394	67395	
42 - 3	67424	67425	
UNF 64000+			
TOLERANCE			
SIZE	3B CLOSE	2B MED	
3 - 56	64533	64532	
4 - 48	64543	64542	
6 - 40	64563	64562	
8 - 36	64583	64582	
10 - 32	64603	64602	
1/4 - 28	64043	64042	
5/16 - 24	64053	64052	
3/8 - 24	64063	64062	
7/16 - 20	64073	64072	
1/2 - 20	64083	64082	
9/16 - 18	64093	64092	
5/8 - 18	64103	64102	
3/4 - 16	64123	64122	
7/8 - 14	64143	64142	
1 - 12	64163	64162	
1 - 14	64163-14	64162-14	
1 1/8 - 12	64183	64182	
1 1/4 - 12	64203	64202	
1 3/8 - 12	64223	64222	
1 1/2 - 12	64243	64242	

BA 60500 +			
TOLERANCE			
SIZE	CLOSE	MED	
0 BA		60502	
2 BA		60522	
4 BA		60542	
6 BA		60562	
METRIC X-FINE 68000 +			
TOLERANCE			
SIZE	4H5H	5H MED	
10 - 1	68104	68105	
11 - 1	68114	68115	
12 - 1.25	68124	68125	
13 - 1.25	68134	68135	
18 - 1.5*	68184	68185	
20 - 1.5	68204	68205	
22 - 1.5	68224	68225	
24 - 1.5	68244	68245	
26 - 1.5	68264	68265	
27 - 1.5	68274	68275	
30 - 1.5	68304	68305	
36 - 1.5	68364	68365	
39 - 2	68394	68395	
42 - 2	68424	68425	
* Different to sparkplug			
BSP 61000+			
Medium Only			
1/8 - 28		61022	
1/4 - 19		61042	
3/8 - 19		61062	
1/2 - 14		61082	
5/8 - 14		61102	
3/4 - 14		61122	
1 - 11		61162	
BSW 62000+			
Medium Only			
1/8 - 40		62022	
3/16 - 24		62032	
1/4 - 20		62042	
5/16 - 18		62052	
3/8 - 16		62062	
7/16 - 14		62072	
1/2 - 12		62082	
9/16 - 12		62092	
5/8 - 11		62102	
3/4 - 10		62122	
7/8 - 9		62142	
1 - 8		62162	
1 1/8 - 7		62182	
1 1/4 - 7		62202	
1 3/8 - 6		62222	
1 1/2 - 6		62242	

SPARKPLUG 68000+			
TOLERANCE			
SIZE	4H5H	5H MED	
10 - 1	68104		
12 - 1.25	68124		
14 - 1.25	68144		
18 - 1.5	68184		
8 TPI UN 66100 +			
TOLERANCE			
SIZE	3B CLOSE	2B MED	
1 1/8 - 8	66183	66182	
1 1/4 - 8	66204	66202	
1 3/8 - 8	66223	66222	
1 1/2 - 8	66243	66242	
1 5/8 - 8	66263	66262	
1 3/4 - 8	66283	66282	
1 7/8 - 8	66303	66302	
2 - 8	66323	66322	
NPT 66000+			
TOLERANCE			
SIZE	3B CLOSE	2B MED	
1/8 - 27	66023		
1/4 - 18	66043		
3/8 - 18	66063		
1/2 - 14	66083		
3/4 - 14	66123		
1 - 1 1/2	66163		
BSF 60000+			
TOLERANCE			
SIZE	3B CLOSE	2B MED	
3/16 - 32		60032	
1/4 - 26		60042	
5/16 - 22		60052	
3/8 - 20		60062	
7/16 - 18		60072	
1/2 - 16		60082	
9/16 - 16		60092	
5/8 - 14		60102	
3/4 - 12		60122	
7/8 - 11		60142	
1 - 10		60162	
1 1/4 - 9		60202	

POWER INSTALLATION TOOLS

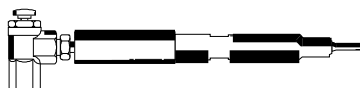
POWER INS



SUIT ARO & NR			ARO SERIES		MOTOR - AIR		MOTOR & ADAPTOR		NR Series * SPARE P	
SIZE - FRONT END ASSEMBLY			ADAPTOR		PART NO.		PART NO.		MOTOR - ADAPTOR	
PART NO.			PART NO.		PART NO.		PART NO.		PART NO.	
UNC			FOR ARO MOTOR		ARO MOTOR		ARO MOTOR & ADAPTOR		NR MOTOR & ADAPTOR	
2 - 56	M8551-02-15		M8550R		56010		56010-3		NR-HL 1409	
4 - 40	M8551-04-15		M8550R		56010		56010-3		NR-HL 1409	
5 - 40	M8851-05-15		M8550R		56010		56010-3		NR-HL 1409	
6 - 32	M8551-06-15		M8550R		56010		56010-3		NR-HL 1409	
8 - 32	M8551-2-15		M8550R		56010		56010-3		NR-HL 1409	
10 - 24	M8551-3-15		M8550R		56010		56010-3		NR-HL 1409	
1/4 - 20	M8551-4-15		M8550R		56010		56010-3		NR-HL 1409	
5/16-18	M8251-5-15		M85501R		56010		56010-4		NR-HL 1410	
3/8 - 16 ~	M8251-6-16		M85501R		56010		56010-4		NR-HL 1410	
7/16 - 14 ~	M8251-7-15		M85501R		56010		56010-4		NR-HL 1410	
1/2 - 13 ~	M8251-8-15		M85501R		56010		56010-4		NR-HL 1410	
5/8 - 11~	M8251-9		M85501R		56010		56010-4		NR-HL 1410	
3/4 - 10~	M8251-10		M85501R		56010		56010-4		NR-HL 1410	
UNF										
6 - 40	M8552-06-15		M8550R		56010		56010-3		NR-HL 1409	
10 - 32	M8552-3-15		M8550R		56010		56010-3		NR-HL 1409	
1/4 - 28	M8552-4-15		M8550R		56010		56010-3		NR-HL 1409	
5/16 - 24	M8252-5-15		M85501R		56010		56010-4		NR-HL 1410	
3/8 - 24 ~	M8252-6-16		M85501R		56010		56010-4		NR-HL 1410	
7/16 - 20 ~	M8252-7-15		M85501R		56010		56010-4		NR-HL 1410	
1/2 - 20 ~	M8252-8-15		M85501R		56010		56010-4		NR-HL 1410	
5/8 - 18~	M8252-9						56010-4		NR-HL 1410	
3/4 - 16~	M8252-10						56010-4		NR-HL 1410	
METRIC COARSE										
2.2 - .45	M8751-2.2-15		M8550R		56010		56010-3		NR-HL 1409	
2.5 - .45	M8751-2.5-15		M8550R		56010		56010-3		NR-HL 1409	
3 - .5	M8751-3-15		M8550R		56010		56010-3		NR-HL 1409	
3.5 - .6	M8751-3.5-15		M8550R		56010		56010-3		NR-HL 1409	
4 - .7	M8751-4-15		M8550R		56010		56010-3		NR-HL 1409	
5 - .8	M8751-5-15		M8550R		56010		56010-3		NR-HL 1409	
6 - 1	M8751-6-15		M8550R		56010		56010-3		NR-HL 1409	
7 - 1	M8751-7-15		M85501R		56010		56010-4		NR-HL 1410	
8 - 1.25	M8751-8-15		M85501R		56010		56010-4		NR-HL 1410	
10 - 1.5 ~	M8751-10-15		M85501R		56010		56010-4		NR-HL 1410	
12 - 1.75	M8751-12-15		M85501R		56010		56010-4		NR-HL 1410	
16 - 2~	M8751-16						56010-4		NR-HL 1410	
METRIC FINE										
8 - 1	M8755-8-15		M85501R		56010		56010-4		NR-HL 1410	
10 - 1 ~	M8755-10-15		M85501R		56010		56010-4		NR-HL 1410	
10 - 1.25 ~	M8756-10-15		M85501R		56010		56010-4		NR-HL 1410	
12 - 1.25 ~	M8756-12-15		M85501R		56010		56010-4		NR-HL 1410	
12 - 1.5 ~	M8753-12-15		M85501R		56010		56010-4		NR-HL 1410	
14 - 1.5~	M8753-14		M85501R		56010		56010-4		NR-HL 1410	

PNEUMATIC TANG BREAK TOOLS

SIZE	PART NO.	EACH
2-56, M2, M2.2	59062	
3-48, 3-56, M2.5	59072	
4-40, 4-48	59082	
5-40, M3	59092	
6-32, 6-40, M3.5	59102	
8-32, 8-36, M4	59132	
10-24, 10-32, 12-24, M5	59142	
1/4-20, 1/4-28, M6	59192	
3/8-16, 3/8-24, M10	59252	
1/2-12, 1/2-13, M12	59332	
M14-1.5	59462	



WORK-AR

POWER T

TALLATION TOOLS

ARTS FOR ADAPTOR							SPARES FOR FRONT END ASSEMBLY						
SIZE		ADAPTOR					FRONT END ASSEMBLY						
RETAINER		NUT		SHIMS		CUSHION	NOZZLE		MANDREL		SPACERS		
	PART NO.		PART NO.	PRICE	PART NO.	PRICE	PART NO.		PART NO.		PART NO.	PART NO.	PART NO.
UNC											1D	1.5D	2D
2 - 56	56031		56033	10	56034	6	M8557-02-15		M8553-02		M8559-02	M8560-02	M8561
4 - 40	56031		56033	10	56034	6	M8557-04-15		M8553-04		M8559-04	M8560-04	M8561
5 - 40	56031		56033	10	56034	6	M8557-05-15		M8553-05		M8559-05	M8560-05	M8561
6 - 32	56031		56033	10	56034	6	M8557-06-15		M8553-06		M8559-06	M8560-06	M8561
8 - 32	56031		56033	10	56034	6	M8557-2-15		M8553-2		M8559-2	M8560-2	M8561
10 - 24	56031		56033	10	56034	6	M8557-3-15		M8553-3		M8559-3	M8560-3	M8561
1/4 - 20	56031		56033	10	56034	6	M8557-4-15		M8553-4		M8559-4	M8560-4	M8561
5/16-18	56041		56043	10	56044	6	M8257-5-15		M8253-5		M8259-5-10	M8259-5-15	NOT REQ'D
3/8 - 16 ~	56041		56043	10	56044	6	M8257-6-15		M8253-6		M8259-6-10	M8259-6-15	NOT REQ'D
7/16 - 14 ~	56041		56043	10	56044	6	M8257-7-15		M8253-7		M8259-7-10	M8259-7-15	NOT REQ'D
1/2 - 13 ~	56041		56043	10	56044	6	M8257-8-15		M8253-8		M8259-8-10	M8259-8-15	NOT REQ'D
5/8 - 11~	56041		56043	10	56044	6	M8257-9		M8253-9		M8259-9-10	M8259-9-15	NOT REQ'D
3/4 - 10~	56041		56043	10	56044	6	M8257-10		M8253-10		M8259-10-10	M8259-10-15	NOT REQ'D
UNF													
6 - 40	56031		56033	10	56034	6	M8558-06-15		M8554-06		M8559-06	M8560-06	M8561
10 - 32	56031		56033	10	56034	6	M8558-3-15		M8554-3		M8559-3	M8560-3	M8561
1/4 - 28	56031		56033	10	56034	6	M8558-4-15		M8554-4		M8559-4	M8560-4	M8561
5/16 - 24	56041		56043	10	56044	6	M8258-5-15		M8254-5		M8259-5-10	M8259-5-15	NOT REQ'D
3/8 - 24 ~	56041		56043	10	56044	6	M8258-6-15		M8254-6		M8259-6-10	M8259-6-15	NOT REQ'D
7/16 - 20 ~	56041		56043	10	56044	6	M8258-7-15		M8254-7		M8259-7-10	M8259-7-15	NOT REQ'D
1/2 - 20 ~	56041		56043	10	56044	6	M8258-8-15		M8254-8		M8259-8-10	M8259-8-15	NOT REQ'D
5/8 - 18~	56041		56043	10	56044	6	M8258-9		M8254-9		M8259-9-10	M8259-9-15	NOT REQ'D
3/4 - 16~	56041		56043	10	56044	6	M8258-10		M8254-10		M8259-10-10	M8259-10-15	NOT REQ'D
ETRIC COARSE													
2.2 - .45	56031		56033	10	56034	6	M8769-2.2-15		M8757-2.2		M8775-2.2	M8776-2.2	M8777
2.5 - .45	56031		56033	10	56034	6	M8769-2.5-15		M8757-2.5		M8775-2.5	M8776-2.5	M8777
3 - .5	56031		56033	10	56034	6	M8769-3-15		M8757-3		M8775-3	M8776-3	M8777
3.5 - .6	56031		56033	10	56034	6	M8769-3.5-15		M8757-3.5		M8775-3.5	M8776-3.5	M8777
4 - .7	56031		56033	10	56034	6	M8769-4-15		M8757-4		M8775-4	M8776-4	M8777
5 - .8	56031		56033	10	56034	6	M8769-5-15		M8757-5		M8775-5	M8776-5	M8777
6 - 1	56031		56033	10	56034	6	M8769-6-15		M8757-6		M8775-6	M8776-6	M8777
7 - 1	56031		56033	10	56034	6	M8769-7-15		M8757-7		M8775-7-10	M8776-7-15	NOT REQ'D
8 - 1.25 ~	56041		56043	10	56044	6	M8769-8-15		M8757-8		M8775-8-10	M8776-8-15	NOT REQ'D
10 - 1.5 ~	56041		56043	10	56044	6	M8769-10-15		M8757-10		M8775-10-10	M8776-10-15	NOT REQ'D
12 - 1.75	56041		56043	10	56044	6	M8769-12-15		M8757-12		M8775-12-10	M8776-12-15	NOT REQ'D
16 - 2~	56041		56043	10	56044	6	M8769-16		M8757-16		M8775-16-10	M8776-16-15	NOT REQ'D
METRIC FINE													
8 - 1	56041		56043	10	56044	6	M8770-8-15		M8764-8		M8777-8-10	M8777-8-15	NOT REQ'D
10 - 1 ~	56041		56043	10	56044	6	M8770-10-15		M8764-10		M8777-10-10	M8777-10-15	NOT REQ'D
10 - 1.25~	56041		56043	10	56044	6	M8758-10-15		M8759-10		M8777-10-10	M8777-10-15	NOT REQ'D
12 - 1.25 ~	56041		56043	10	56044	6	M8758-12-15		M8759-12		M8777-12010	M8777-12-15	NOT REQ'D
12 - 1.5 ~	56041		56043	10	56044	6	M8773-12-15		M8774-12		M8777-12-10	M8777-12-15	NOT REQ'D
14 - 1.5 ~	56041		56043	10	56044	6	M8773-14		M8774-14		M8777-14-10	M8777-14-15	NOT REQ'D

M TOOLHOLDER*

SIZE	TYPE	PART NO.
MANUAL		56000
PNEUMATIC	WB230B-100	

Workarm/Tool Holder must be used on M2.5, 2.2 and 2-56 inserts.

NOTE: Front End Assembly suits up to 2D inserts and up to 1.5D for 3/4", M20.

Use on locking inserts 5/8", M14 and larger is marginal for power.

~ No slot provided for strip feed. All other sizes are generally supplied with strip feed slot.

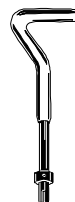
TOOL "TOOL BOX"

SIZE	TYPE	PART NO.
POWER TOOL		PT CASE
"Tool Box"		

Power Tool "Tool Box" - Provides convenient storage for motor, front end assembly

TOOL FIT CHART

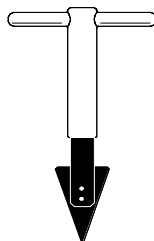
STANDARD INSERTION TOOL



PART NUMBER	METRIC	UNC & BSW	UNF	SPECIAL 8TPI UN	BSF	NPT, BSP & BA	PART NUMBER
50061	M 2.2, 2	#2-56					50061
50069	M 2.5, 2	#3-48	#3-56			6BA	50069
50077		#4-40	#4-48				50077
50089	M 3	#5-40, 1/8					50089
50095	M 3.5	#6-32	#6-40			4BA	50095
50125	M 4-0.7	#8-32, 5/32	#8-36				50125
50140		#10-24, 3/16				2BA	50140
50156	M 5-0.8	#12-24	#10-32		3/16		50156
50188	M 6-1	1/4	1/4	1/4-24, 26	1/4	0BA	50188
50219	M 7-1	5/16					50219
50250	M 8-1, 1.25		5/16	5/16-26	5/16		50250
50281	M 9-1, 1.25, M10-1.5	3/8			3/8		50281
50313	M10-1, 1.25		3/8	3/8 -26		1/8 BSP/NPT	50313
50344	M11-1, 1.25, 1.5	7/16	7/16	7/16-16, 26	7/16		50344
50375	M12, M13, all pitch	1/2	1/2		1/2		50375
50438	M14-1.5, 2, M15	9/16	9/16	9/16		1/4 BSP/NPT	50438
50468	S/PM14-1.25						50468
50500	M16-1.5, 2	5/8	5/8	11/16-16	5/8	3/8 BSP/NPT	50500
50590	M18-1.5 SP						50590
50591	M18-1.5, 2, 2.5	3/4			3/4		50591
"	M20- 2, 2.5		3/4				"
50688	M22-1.5, 2, 2.5 M20-1.5	7/8	7/8	1/8 -20		1/2 BSP/NPT	50688
50750	M24-1.5, 2, 3	1"	1"	1" -20			50750
50875	M27all, M26-1.5	1 1/8"		1 1/8-8		3/4 BSP/NPT	50875
51000	M30-3.5, 3	1 1/4"	1 1/8"	1 1/4-8			51000
51063	M30-2, 1.5, M33	1 3/8"	1 1/4"	1 3/8-8			51063
51125	M36-4.3	1 1/2"	1 3/8"	1 1/2-8		1" BSP/NPT	51125
51250	M36-1.5, M39-4, 3, 2		1 1/2"	1 5/8-8,			51250
"	M42-4.5, 4, 3, 2			1 3/4-8			"
51500				1 7/8-8, 2-8			51500

EXTRACTING TOOLS

INCH	METRIC	PART NO.
4-40 thru 3/8	M3 thru M10	# 50002
6-32 thru 1"	M4 thru M24	# 50003
1 1/8" thru 1 1/2"	M20 thru M39	# 50004
1 1/2" thru 2 1/2"	M38 thru M65	# 50005



AUTOMATIC TANG BREAK TOOLS

SIZE	SPRING PART NO.
2-56, M2, M2.2	59061
3-48, 3-56, M2.5	59071
4-40, 4-48	59081
5-40, M3	59091
6-32, 6-40, M3.5	59101
8-32, 8-36, M4	59121
10-24, 10-32, 12-24, M5	59141
1/4-20, 1/4-28, M6	59181
5/16-18, 5/16-24, M8	59241
3/8-16, 3/8-24, M10	59291
1/2-12, 1/2-13, M12	59331
M14-1.5	

PRODUCTION INSTALLATION TOOLS



* UNC					
SIZE	TYPE	PLAIN		THREADED	
		PART NO.		PART NO.	
#2 -56	MANDREL			53526	
#3 -48	MANDREL			53536	
#4 -40	PREWINDER			53541	
#5 -40	PREWINDER			53551	
#6 -32	PREWINDER			53561	
#8 -32	PREWINDER	53582		53581	
#10 -24	PREWINDER	53602		53601	
#12 -24	PREWINDER			53621	
1/4 -20	PREWINDER	53042		53041	
5/16-18	PREWINDER	53052		53051	
3/8 -16	PREWINDER	53062		53061	
7/16-14	PREWINDER	53072		53071	
1/2 -13	PREWINDER	53082		53081	
9/16-12	MANDREL			53096	
5/8 -11	MANDREL			53106	
3/4 -10	MANDREL			53126	
7/8 -9	MANDREL			53146	
1 -8	MANDREL			53166	
1 1/8-7	MANDREL			53186	
1 1/4-7	MANDREL			53206	
1 3/8-6	MANDREL			53226	
1 1/2-6	MANDREL			53246	

* UNF					
SIZE	TYPE	PLAIN		THREADED	
		PART NO.		PART NO.	
#3 -56	PREWINDER			54531	
#4 -48	PREWINDER			54541	
#6 -40	PREWINDER			54561	
#8 -36	PREWINDER			54581	
#10-32	PREWINDER	54602		54601	
1/4 -28	PREWINDER			54041	
5/16-24	PREWINDER			54051	
3/8 -24	PREWINDER			54061	
7/16-20	PREWINDER			54071	
1/2 -20	PREWINDER			54081	
9/16-18	NON CAPTIVE			54091	
5/8 -18	NON CAPTIVE			54101	
3/4 -16	NON CAPTIVE			54121	
7/8 -14	NON CAPTIVE			54141	
1 -14	NON CAPTIVE			54171	
1 -12	NON CAPTIVE			54161	
1 1/8-12	NON CAPTIVE			54181	

* METRIC					
SIZE	TYPE	PLAIN		THREADED	
		PART NO.		PART NO.	
M2.2-0.45	PREWINDER			55011	
M2.5-0.45	PREWINDER			55251	
M3 -0.5	PREWINDER			55031	
M3.5-0.6	PREWINDER			55351	
M4 -0.7	PREWINDER	55042		55041	
M5 -0.8	PREWINDER	55052		55051	
M6 -1	PREWINDER	55062		55061	
M7 -1	PREWINDER			55071	
M8 -1.25	PREWINDER	55082		55081	
M10-1.5	PREWINDER	55102		55101	
M12-1.75	PREWINDER	55122		55121	
M14-2	MANDREL			55146	
M16-2	MANDREL			55166	
M18-2.5	MANDREL			55186	
M8 -1	PREWINDER			57081	
M10-1	PREWINDER			58101	
M10-1.25	PREWINDER			57101	
M12-1.25	PREWINDER			58121	
M12-1.5	PREWINDER			57121	
M14-1.5	NON CAPTIVE			57141	
M16-1.5	NON CAPTIVE			57161	
M18-1.5	NON CAPTIVE			58181	

BULK INSTALLATION TOOLS				
PLAIN				
SIZE	TYPE	PART NO.		
UNC				
#8 - 32	PREWINDER	53582U		
#10 - 24	PREWINDER	53602U		
1/4 -20	PREWINDER	53042U		
5/16-18	PREWINDER	53052U		
3/8 -16	PREWINDER	53062U		
7/16-14	PREWINDER	53072U		
1/2 -13	PREWINDER	53082U		
UNF				
#10-32	PREWINDER	54602U		
METRIC				
M4-0.7	PREWINDER	55042U		
M5-0.8	PREWINDER	55052U		
M6-1	PREWINDER	55062U		
M8-1.25	PREWINDER	55082U		
M10-1.5	PREWINDER	55102U		
M12-1.75	PREWINDER	55122U		

* These tools are supplied individually packaged, including an adjustment key. "Bulk installation tools" are packed loose.