

CUTTING TOOLS

Recoil Kits

Kits are available in both single size kits and range kits. Each kit consists of a high speed tap, tang break-off/insertion tool, a quantity of inserts, easy to follow instructions, and comes in a quality reusable metal box. A standard kit comes with an intermediate tap. M10, 12, 14, 18 spark plug have pilot nose taps.

BA

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
3/16-22	30030	10	5.00	13/64
1/4-26	30040	10	6.60	17/64
5/16-22	30050	10	8.20	21/64
3/8-20	30060	10	9.80	25/64
7/16-18	30070	10	11.50	29/64
1/2-16	30080	10	13.00	33/64
9/16-16	30090	5	14.50	37/64
5/8-14	30100	5	16.20	41/64
3/4-12	30120	5	19.5	49/64
7/8-11	30140	5	22.50	57/64
1-10	30160	5	26.00	1 1/32
1 1/4-9	30200	5	32.50	1 9/32

BA

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
0 BA	30500	10	6.20	
1 BA	30510	10	5.50	
2 BA	30520	10	4.90	
4 BA	30540	10	3.80	
6 BA	30560	10	2.90	

BSP

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
1/8-28	31020	10	9.90	3/8
1/4-19	31040	10	13.50	33/64
3/8-19	31060	5	17.00	21/32
1/2-14	31080	5	21.50	13/16
5/8-14	31100	5	23.50	59/64
3/4-14	31120	5	27.00	11/64
1-11	31160	5	33.50	19/32

BSC BRASS OR 26TPI

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
1/4-26	30040	10	6.60	17/64
5/16-26	36500	10	8.20	21/64
3/8-26	36600	10	9.80	25/64
7/16-26	36700	5	11.10	7/16
1/2-26	36800	5	12.70	1/2

METRIC COARSE

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
2.0-.4	35020	10	2.10	
2.2-.45	35010	10	2.30	#42
2.5-.45	35250	10	2.60	#37
3-.5	35030	10	3.20	1/8
3.5-.6	35350	10	3.70	#27
4-.7	35040	10	4.20	11/64
5-.8	35050	10	5.20	13/64
6-1	35060	10	6.30	1/4
7-1	35070	10	7.30	9/32
8-1.25	35080	10	8.30	21/64
9-1.25	35090	10	9.40	3/8
10-1.5	35100	10	10.40	13/32
11-1.5	35110	5	11.50	29/64
12-1.75	35120	5	12.50	31/64
13-1.75	35130	5	13.50	37/64
14-2	35140	5	14.50	21/32
15-2	35150	5	15.50	39/64
16-2	35160	5	16.50	47/64
18-2.5	35180	5	18.80	13/16
20-2.5	35200	5	20.80	13/16
22-2.5	35220	5	22.80	57/64
24-3	35240	5	24.80	31/32
27-3	35270	5	27.50	1 5/64
30-3.5	35300	5	30.50	1 3/16
30-3	35300-3	5	30.50	1 5/16
36-4	35360	4	36.50	7/16
39-4	35390	4	39.50	1 9/16
42-4.5	35420	4	42.50	1 11/16
42-4	35420-4	4	42.50	1 11/16

METRIC MEDIUM & FINE

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
8-1	37080	10	8.30	21/64
9-1	37090	10	9.30	
10-1.25	37100	10	10.30	13/32
10-1.25x25	37101	10	10.30	13/32
11-1.25	37110	5	11.30	7/16
12-1.5	37120	5	12.30	31/64
13-1.5	37130	5	13.20	33/64
14-1.5	37140	5	14.25	9/16
15-1.5	37150	5	15.25	39/64
16-1.5	37160	5	16.50	21/32
18-2	37180	5	18.50	23/32
20-2	37200	5	20.50	13/16
22-2	37220	5	22.50	57/64
24-2	37240	5	24.50	
27-2	37270	5	27.50	1 5/64
30-2	37300	5	30.50	1 3/16
36-3	37360	4	36.50	1 7/16
39-3	37390	4	39.50	1 9/16
42-3	37420	4	42.50	1 11/16

METRIC EXTRA FINE (NOT FOR SPARKPLUG)

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
10-1	38101	10	10.30	13/32
11-1	38110	5	11.30	7/16
12-1.25	38121	5	12.30	31/64
13-1.25	38130	5	13.20	33/64
14-1.25	38141	5	14.25	9/16
18-1.5*	38181	5	18.50	23/32
20-1.5	38200	5	20.50	13/16
22-1.5	38220	5	22.50	57/64
24-1.5	38240	5	24.50	29/32
26-1.5	38260	5	26.5	1 1/32
27-1.7	38270	5	27.5	1 5/64
30-1.5	38300	5	30.50	1 5/16
36-1.5	38360	4	36.50	1 7/16
39-2	38390	4	39.5	1 9/16
42-2	38420	4	42.5	1 11/16

*M18 EXTRA FINE IS A DIFFERENT SPEC AND THREAD FORM TO M18 SPARKPLUG

SPARKPLUG (NOT SUITABLE FOR TAPER SEAT)

Size	Part No.	Inserts Per Kit	No Drilling Required
10-1	38100	10	
12-1.25	38120	10	
14-1.25*	38140	10	EXTRACTOR TOOL
14-1.25	38142	5	SMALL TIN
18-1.5*	38180	5	

*INCLUDES EXTRACTING TOOL AND LARGE KIT BOX

UNC

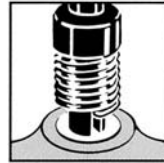
Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
2-56	33520	10	2.30	3/32
3-48	33530	10	2.70	#36
4-40	33540	10	3.00	#31
5-40	33550	10	3.40	#29
6-32	33560	10	3.80	#25
8-32	33580	10	4.40	11/64
10-24	33600	10	5.10	13/64
12-24	33620	10	5.80	15/64
1/4-20	33040	10	6.70	17/64
5/16-18	33050	10	8.30	21/64
3/8-16	33060	10	9.90	25/64
7/16-14	33070	5	11.50	29/64
1/2-13	33080	5	13.00	17/32
9/16-12	33090	5	15.00	19/32
5/8-11	33100	5	16.50	21/32
11/16-11	33110	5	18.00	23/32
3/4-10	33120	5	19.80	25/32
7/8-9	33140	5	23.00	29/32
1-8	33160	5	26.00	1 1/32
1 1/8-7	33180	5	29.50	1 5/32
1 1/4-7	33200	5	33.00	1 9/32
1 3/8-6	33220	5	36.00	1 13/32
1 1/2-6	33240	4	39.00	1 17/32

Drill



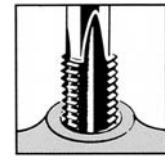
Drill to clear out the damaged thread (if necessary).

Install



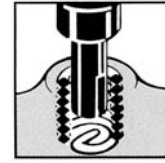
Wind insert in with light downward pressure until 1/4 to 1/2 turn below surface, driving tang towards bottom of the hole.

Tap



Thread insert tap supplied. Tap thread should match up with bolt.

Tang Removal



Remove tool and sit back on top of tang. Tap down sharply. Do not try to twist tang off. Sparkplug and large fine threads, use long nose pliers and pull tang out.

BSW

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
1/8-40	32020	10	3.40	#29
5/32	ONLY *8-32 UNC AVAILABLE			
3/16-24	32030	10	5.00	13/64
7/32-24	USE UNC 12-24			
1/4-20	32040	10	6.70	17/64
5/16-18	32050	10	8.30	21/64
3/8-16	32060	10	9.90	25/64
7/16-14	32070	5	11.50	29/64
1/2-12	32080	5	13.00	17/32
9/16-12	32090	5	15.00	19/32
5/8-11	32100	5	16.50	21/32
3/4-10	32120	5	19.80	25/32
7/8-9	32140	5	23.00	29/32
1-8	32160	5	26.00	1 1/32
1 1/8-7	32180	5	29.50	1 5/32
1 1/4-7	32200	5	33.00	1 9/32
1 3/8-6	32220	5	36.00	1 13/32
1 1/2-6	32240	4	39.00	1 17/32

NPT

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
1/8-27	36020	10	9.90	3/8
1/4-18	36040	10	13.50	33/64
3/8-18	36060	10	17.00	21/32
1/2-14	36080	5	21.50	13/16
3/4-14	36120	5	27.00	1 1/64
1-11 1/2	36160	5	33.50	1 9/32

BTPI UNF SERIES

Size	Part No.	Inserts Per Kit	Drill Size	
			mm	inch
1 1/8-8	36180	5	28.50	1 1/8
1 1/4-8	36200	5	32.00	1 1/4
1 3/8-8	36220	5	35.00	1 3/8
1 1/2-8	36240	4	38.00	1 1/2
1 5/8-8	36260	4	41.00	1 5/8
1 3/4-8	36280	4	44.50	1 3/4
1 7/8-8	36300	4	47.50	1 7/8
2-8	36320	4		2"

RANGE KITS

INCLUDE A NUMBER OF POPULAR SIZES. SPECIALS CAN BE MADE TO SUIT YOUR CUSTOM NEEDS.

*MOST POPULAR SIZES

Size	PART NO.
30504	BA 0, 1, 2, 4, 6
30004	BSF 1/4, 5/16, 3/8, 7/16, 1/2
31004	BSP 1/8, 1/4, 3/8, 1/2
32004	BSW 1/4, 5/16, 3/8, 7/16, 1/2
33004*	UNC 1/4, 5/16, 3/8, 7/16, 1/2
33005	METRIC 6, 8, 10, 12, 14X1.25
33008	OUNC 1/4, 5/16, 3/8, 7/16, M14X1.25
34004*	UNF 1/4, 5/16, 3/8, 7/16, 1/2
35003	METRIC 4, 5, 6, 8, 10
35004*	METRIC 5, 6, 8, 10, 12
35005*	METRIC 5, 6, 7, 10, 12
36001	BSC/BRASS 1/4, 5/16, 3/8, 7/16, 1/2
36000	NPT 1/8, 1/4, 3/8, 1/2
37000	METRIC FINE
8-10, 10-1, 10-1.25, 12-1.25, 12-1.5	
38006	MOTOR CYCLE
6, 7, 10, 10-1.25, 12-1.25, M14-1.25	
38007	OPE 5-0.8, 6-1, 8-1.25
1/4-20, 5/16-18, 14-1.25	

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CUTTING TOOLS

Knurling Tool Holders



Model No	Cat No	Holder Size L x W x H (ins)	No of Knurls fitted	Cat No	Size of Knurls Ø x W x Bore (ins)	Pattern	Pitch
AG04695	SKH-35A	4 x 1/2 x 1/2	1	SSK-37A	3/4 x 1/4 x 1/4	Straight	Medium
AG04696	SKH-35B	5 x 5/16 x 3/4	2	SSK-37C	5/8 x 5/16 x 1/4	Spiral (Rt. & Lt)	Medium
AG04697	SKH-35C	5-1/2 x 3/8 x 7/8	2	SSK-37C	5/8 x 5/16 x 1/4	Spiral (Rt. & Lt)	Medium
AG04698	SKH-35D	6-1/2 x 1/2 x 1-1/8	2	SSK-37B	3/4 x 3/8 x 1/4	Spiral (Rt. & Lt)	Medium
AG04699	SKH-36B	4-7/8 x 5/8 x 5/8	2	SSK-37B	3/4 x 3/8 x 1/4	Spiral (Rt. & Lt)	Medium
AG04700	SKH-8144	5 x 1/2 x 1/2	2	SSK-37B	3/4 x 3/8 x 1/4	Spiral (Rt. & Lt)	Medium
AG04701	SCT-002	3 x 3/8 x 5/8	2	SSK-37B	3/4 x 3/8 x 1/4	Spiral (Rt. & Lt)	Medium
AG04702	SKH-35G	5-1/2 x 3/8 x 7/8	6	SSK-37C	5/8 x 5/16 x 1/4	Spiral (Rt. & Lt)	Coarse, Medium & Fine
AG04703	SKH-35H	6-1/2 x 1/2 x 1-1/8	6	SSK-37B	3/4 x 3/8 x 1/4	Spiral (Rt. & Lt)	Coarse, Medium & Fine
AG04704	SKH-35E	6-1/2 x 1/2 x 7/8	6	SSK-37D	5/8 x 3/16 x 1/4	Spiral (Rt. & Lt)	Coarse, Medium & Fine

Cutting Off Tool Holders



Model No	Cat No	Shank Size W x H		Overall Length		Blade Holding Capacity	
		Ins	mm	Ins	mm	Ins	mm
AG04705	SPH-35A	5/16 x 9/16	8 x 14	3-11/16	94	5/16	8
AG04706	SPH-35B	1/2 x 1	12.7 x 25.4	6	152	3/32 x 1/2 & 3/32 x 5/8	2.3 x 12.7 & 2.3 x 15.8
AG04707	SPH-35C	5/8 x 1-3/8	16 x 35	7	178	1/8 x 3/4 & 1/8 x 7/8	3 x 19 & 3 x 22
AG04708	SPH-35D	3/4 x 1-11/16	19 x 43	7 1/2	190	3/16 x 1 & 3/16 x 1-1/8	4.7 x 25.4 & 4.7 x 28.5

Parting Tool Holders – Tee Type



Model No	Cat No	Holder Size (mm)				Blade Holding Capacity	
		L	W	H	D	Ins	mm
AG04709	PTH-CT1	70	12.5	20	12.5	3/32 x 1/2	2.3 x 12.7
AG04710	PTH-CT2	70	12.5	20	12.5	3/32 x 5/8	2.3 x 15.8
AG04711	PTH-CT3	80	15	24	17.5	1/8 x 3/4	3 x 19

Parting Off & Side Tool Holders



Model No	Cat No	Shank Size W x H		Overall Length		Blade Holding Capacity	
		Ins	mm	Ins	mm	Ins	mm
AG04712	SCH-32A	3/8 x 7/8	9.5 x 22	5	127	3/32 x 1/2	2.3 x 12.7
AG04713	SCH-32B	3/8 x 31/32	9.5 x 24	5	140	3/32 x 5/8	2.3 x 15.8
AG04714	SCH-32C	1/2 x 1-3/16	12.7 x 30	6	152	1/8 x 3/4	3 x 9
AG04715	SCH-32D	5/8 x 1-3/8	16 x 35	7	178	1/8 x 7/8	3 x 22
AG04716	SCH-32E	3/4 x 1-5/8	19 x 41	8	203	3/18 x 1	4.7 x 25.4
AG04717	SCH-32F	7/8 x 1-3/4	22 x 44	9	228	3/16 x 1-1/8	4.7 x 28.5

Planar & Shaper Tool



Model No	Cat No	Shank Size W x H		Overall Length		Blade Holding Capacity
		Ins	mm	Ins	mm	Ins
AG04718	SP-128	1/2 x 1	13 x 25	7	178	1/4 x 1/4 to 3/8
AG04719	SP-129	5/8 x 1-1/4	16 x 32	8-1/2	216	5/16 x 5/16 to 1/2
AG04720	SP-130	3/4 x 1-1/2	19 x 38	10	254	3/8 x 3/8 to 5/8
AG04721	SP-130	1-1/8 x 1-3/4	28 x 44	13	330	1/2 x 1/2 to 3/4

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