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Cutting Tools

HSS Combination Drill & Tap - Type 40-AG

Combination drill and taps are ideally suited for on-site tapping construction, maintenance and repair, assembly, production and in other environments where one pass drilling and tapping saves time and cost. Hi-Molybdenum tool steel ensures longer tool life. Gold surface treatment provides maximum lubricity. The self-centering helical point provides excellent drilling precision and accuracy.

Type 40-AG Combo Drill & Tap

Size	Part No.	Size	Part No.
4-40	N73770	12-28	N73880
4-48	N73780	1/4-20	N73890
5-40	N73790	1/4-28	N73900
5-44	N73800	5/16-18	N73910
6-32	N73810	5/16-24	N73920
6-40	N73820	3/8-16	N73930
8-32	N73830	3/8-24	N73940
8-36	N73840	7/16-14	N73950
10-24	N73850	7/16-20	N73960
10-32	N73860	1/2-13	N73970
12-24	N73870	1/2-20	N73980



Sets

Description	Sizes	Part No.
7 piece set - 40-AG-DT-7F	8-36, 10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20	N73991
7 piece set - 40-AG-DT-7C	8-32, 10-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13	N73990

Masonry Tools

Type 225 - Slow Spiral, Heavy-Duty Rotary



Dia. Inches	Overall Length	Part No.
1/8	3"	N45800
3/16	4"	N45820
1/4	4"	N45840
5/16	6"	N46460
3/8	6"	N46480
1/2	6"	N46870
5/8 x 1/2	6"	N45950
3/4 x 1/2	6"	N45970
7/8 x 1/2	6"	N45980
1 x 1/2	6"	N45990

- Carbide tipped, hardened steel bodies & bright finish
- Fastest, easiest way to drill holes in brick, tile, cement, asbestos, marble, concrete, etc.
- No special equipment needed
- Use them in any regular electric drill



MAGNUM SUPER PREMIUM

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JOBBERS LENGTH DRILL				WIRE GAUGE		SCREW MACHINE LENGTH DRILL				WIRE GAUGE	
 GOLD SURFACE TREATED TYPE : 190-AG						 GOLD SURFACE TREATED TYPE : 135-AG					
FRACTIONAL		LETTER		SIZE	PART NUMBER	SIZE	PART NUMBER	SIZE	PART NUMBER	SIZE	PART NUMBER
SIZE	PART NUMBER	SIZE	PART NUMBER								
1/16	00SM000010	A	00SM000320	1	00SM000580	1/16	00SM001740	E	00SM002542	1	00SM002030
5/64	00SM000020	B	00SM000330	2	00SM000590	5/64	00SM001750	A	00SM002543	2	00SM002040
3/32	00SM000030	C	00SM000340	3	00SM000600	3/32	00SM001760	B	00SM002544	3	00SM002050
7/64	00SM000040	D	00SM000350	4	00SM000610	7/64	00SM001770	C	00SM002545	4	00SM002060
1/8	00SM000050	E	00SM000360	5	00SM000620	1/8	00SM001780	D	00SM002546	5	00SM002070
9/64	00SM000060	F	00SM000370	6	00SM000630	9/64	00SM001790	E	00SM002547	6	00SM002080
5/32	00SM000070	G	00SM000380	7	00SM000640	5/32	00SM001800	F	00SM002548	7	00SM002090
11/64	00SM000080	H	00SM000390	8	00SM000650	11/64	00SM001810	G	00SM002549	8	00SM002100
3/16	00SM000090	I	00SM000400	9	00SM000660	3/16	00SM001820	H	00SM002550	9	00SM002110
13/64	00SM000100	J	00SM000410	10	00SM000670	13/64	00SM001830	I	00SM002551	10	00SM002120
7/32	00SM000110	K	00SM000420	11	00SM000680	7/32	00SM001840	J	00SM002552	11	00SM002130
15/64	00SM000120	L	00SM000430	12	00SM000690	15/64	00SM001850	K	00SM002553	12	00SM002140
1/4	00SM000130	M	00SM000440	13	00SM000700	1/4	00SM001860	L	00SM002554	13	00SM002150
17/64	00SM000140	N	00SM000450	14	00SM000710	17/64	00SM001870	M	00SM002555	14	00SM002160
9/32	00SM000150	O	00SM000460	15	00SM000720	9/32	00SM001880	N	00SM002556	15	00SM002170
19/64	00SM000160	P	00SM000470	16	00SM000730	19/64	00SM001890	O	00SM002557	16	00SM002180
5/16	00SM000170	Q	00SM000480	17	00SM000740	5/16	00SM001900	P	00SM002558	17	00SM002190
21/64	00SM000180	R	00SM000490	18	00SM000750	21/64	00SM001910	Q	00SM002559	18	00SM002200
11/32	00SM000190	S	00SM000500	19	00SM000760	11/32	00SM001920	R	00SM002560	19	00SM002210
23/64	00SM000200	T	00SM000510	20	00SM000770	23/64	00SM001930	S	00SM002561	20	00SM002220
3/8	00SM000210	U	00SM000520	21	00SM000780	3/8	00SM001940	T	00SM002562	21	00SM002230
25/64	00SM000220	V	00SM000530	22	00SM000790	25/64	00SM001950	U	00SM002563	22	00SM002240
13/32	00SM000230	W	00SM000540	23	00SM000800	13/32	00SM001960	V	00SM002564	23	00SM002250
27/64	00SM000240	X	00SM000550	24	00SM000810	27/64	00SM001970	W	00SM002565	24	00SM002260
7/16	00SM000250	Y	00SM000560	25	00SM000820	7/16	00SM001980	X	00SM002566	25	00SM002270
29/64	00SM000260	Z	00SM000570	26	00SM000830	29/64	00SM001990	Y	00SM002567	26	00SM002280
15/32	00SM000270			27	00SM000840	15/32	00SM002000	Z		27	00SM002290
31/64	00SM000280			28	00SM000850	31/64	00SM002010			28	00SM002300
1/2	00SM000290			29	00SM000860	1/2	00SM002020			29	00SM002310
				30	00SM000870					30	00SM002320
				31	00SM000880					31	00SM002330
				32	00SM000890					32	00SM002340
				33	00SM000900					33	00SM002350
				34	00SM000910					34	00SM002360
				35	00SM000920					35	00SM002370
				36	00SM000930					36	00SM002380
				37	00SM000940					37	00SM002390
				38	00SM000950					38	00SM002400
				39	00SM000960					39	00SM002410
				40	00SM000970					40	00SM002420
				41	00SM000980					41	00SM002571
				42	00SM000990					42	00SM002572
				43	00SM001000					43	00SM002573
				44	00SM001010					44	00SM002574
				45	00SM001020					45	00SM002575
				46	00SM001030					46	00SM002576
				47	00SM001040					47	00SM002577
				48	00SM001050					48	00SM002578
				49	00SM001060					49	00SM002579
				50	00SM001070					50	00SM002580
				51	00SM001080					51	00SM002581
				52	00SM001090					52	00SM002582
				53	00SM001100					53	00SM002583
				54	00SM001110					54	00SM002584
				55	00SM001120					55	00SM002585
				56	00SM001130					56	00SM002586
				57	00SM001140					57	00SM002587
				58	00SM001150					58	00SM002588
				59	00SM001160					59	00SM002589
				60	00SM001170					60	00SM002590

* Special Hi-Molybdenum tool steel.
 * 135° split point for fast penetration and accurate starting without center punch.
 * Precision ground point, flutes, body, clearance and drill diameter for the ultimate in accuracy and performance.
 * Body and clearance are gold surface treated for maximum lubricity.
 * Heat treated at 2185°F and then nitro-carburize finish at 950°F to be measurably harder than high speed steel.
 * Space age nitro-carbonized steel withstands substantially higher drilling temperatures while maintaining sharpness.
 * Recommended for use in work hardening grades of stainless steel and other hard metal drilling applications.

*** LEFT HAND***

JOBBERS LENGTH DRILLS

TYPE :190-AL 1 EACH

SIZE	PART NUMBER	SIZE	PART NUMBER
1/16	00SM002895	11/64	00SM002919
1/8	00SM002900	13/64	00SM002920
5/64	00SM002903	7/32	00SM002921
3/32	00SM002905	15/64	00SM002922
3/16	00SM002907	17/64	00SM002923
7/32	00SM002908	9/32	00SM002924
7/64	00SM002909	5/16	00SM002925
1/4	00SM002910	3/8	00SM002926
5/32	00SM002914	7/16	00SM002927
19/64	00SM002917	1/2	00SM002928
9/64	00SM002918		

MAGNUM SUPER PREMIUM

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JOBBER'S LENGTH DRILL METRIC



GOLD SURFACE TREATED

SIZE	PART NUMBER	SIZE	PART NUMBER	SIZE	PART NUMBER	SIZE	PART NUMBER
.70	00SM048760	3.00	00SM049170	6.30	00SM049500	9.70	00SM049840
.80	00SM048780	3.10	00SM049180	6.40	00SM049510	9.80	00SM049850
.85	00SM048790	3.20	00SM049190	6.50	00SM049520	9.90	00SM049860
.90	00SM048800	3.30	00SM049200	6.60	00SM049530	10.00	00SM049870
.95	00SM049990	3.40	00SM049210	6.70	00SM049540	10.10	00SM012450
.98	00SM048690	3.50	00SM049220	6.80	00SM049550	10.20	00SM049880
1.00	00SM048820	3.60	00SM049230	6.90	00SM049560	10.30	00SM012510
1.10	00SM048840	3.70	00SM049240	7.00	00SM049570	10.40	00SM050220
1.05	00SM048750	3.80	00SM049250	7.10	00SM049580	10.50	00SM049890
1.15	00SM048850	3.90	00SM049260	7.20	00SM049590	10.60	00SM012460
1.18	00SM023270	4.00	00SM049270	7.30	00SM049600	10.70	00SM050230
1.20	00SM048860	4.10	00SM049280	7.40	00SM049610	10.80	00SM049900
1.25	00SM048870	4.20	00SM049290	7.50	00SM049620	10.90	00SM012470
1.30	00SM048880	4.30	00SM049300	7.60	00SM049630	11.00	00SM049910
1.35	00SM048890	4.40	00SM049310	7.70	00SM049640	11.10	00SM012480
1.40	00SM048900	4.50	00SM049320	7.80	00SM049650	11.20	00SM049920
1.45	00SM048910	4.60	00SM049330	7.90	00SM049660	11.40	00SM012490
1.50	00SM048920	4.70	00SM049340	8.00	00SM049670	11.50	00SM049930
1.55	00SM048930	4.80	00SM049350	8.10	00SM049680	11.60	00SM012500
1.60	00SM048940	4.90	00SM049360	8.20	00SM049690	11.70	00SM050250
1.65	00SM048950	5.00	00SM049370	8.30	00SM049700	11.80	00SM049940
1.70	00SM048960	5.10	00SM049380	8.40	00SM049710	11.90	00SM012520
1.75	00SM048970	5.20	00SM049390	8.50	00SM049720	12.00	00SM049950
1.80	00SM048980	5.30	00SM049400	8.60	00SM049730	12.10	00SM012530
1.90	00SM049000	5.40	00SM049410	8.70	00SM049740	12.20	00SM049960
2.00	00SM049020	5.50	00SM049420	8.80	00SM049750	12.30	00SM050260
2.05	00SM049030	5.60	00SM049430	8.90	00SM049760	12.40	00SM012540
2.10	00SM049040	5.70	00SM049440	9.00	00SM049770	12.50	00SM049970
2.20	00SM049060	5.80	00SM049450	9.10	00SM049780	12.60	00SM012550
2.30	00SM049080	5.90	00SM049460	9.20	00SM049790	12.70	00SM012570
2.40	00SM049100	6.00	00SM049470	9.30	00SM049800	12.80	00SM050270
2.50	00SM049120	6.10	00SM049480	9.40	00SM049810	12.90	00SM012560
2.60	00SM049130	6.20	00SM049490	9.50	00SM049820	13.00	00SM049980
2.70	00SM049140			9.60	00SM049830		
2.80	00SM049150						
2.90	00SM049160						

MAGNUM BULLY JOBBER'S LENGTH WITH 3 GROUND FLATS ON SHANK

TYPE: 190-AQF

SIZE	PART NUMBER
1/16	00SM009201
5/64	00SM009211
3/32	00SM009221
7/64	00SM009231
1/8	00SM009241
9/64	00SM009251
5/32	00SM009261
11/64	00SM009271
3/16	00SM009282
13/64	00SM009292
7/32	00SM009302
15/64	00SM009312
1/4	00SM009321
17/64	00SM009331
9/32	00SM009341
19/64	00SM009351
5/16	00SM009361
21/64	00SM009371
11/32	00SM009381
23/64	00SM009391
3/8	00SM009401
25/64	00SM009411
13/32	00SM009421
27/64	00SM009431
7/16	00SM009441
29/64	00SM009451
15/32	00SM009461
31/64	00SM009471
1/2	00SM009481
BULLY	13 PC 00SM002621
SETS	15 PC 00SM002623
	29 PC 00SM0044170

MAGNUM SUPER PREMIUM BLACK & GOLD SETS

DESCRIPTION	PART NUMBER
18 PC INCH TAP & DRILL SET	00SM058010
5 PC BOLT EXTRACTOR SET	00SM070840
QUICK RELEASE SET MECH LNG	00SM034815
4 PC HSS REAMER SET	00SM012270
37 PC METRIC TAP/ DIE SET	00SM006000
18 PC METRIC TAP / DRILL SET	00SM005000

MAGNUM SUPER PREMIUM

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MECHANICS LENGTH DRILL

1/4" and UP with 3 GROUND FLATS

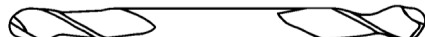


**BLACK & GOLD 135° SPLIT POINT
TYPE :175-AG**

DIA.	PART NUMBER	DIA.	PART NUMBER
1/16	00SM002700	19/64	00SM002715
5/64	00SM002701	5/16	00SM002716
3/32	00SM002702	21/64	00SM002717
7/64	00SM002703	11/32	00SM002718
1/8	00SM002704	23/64	00SM002719
9/64	00SM002705	3/8	00SM002720
5/32	00SM002706	25/64	00SM002721
11/64	00SM002707	13/32	00SM002722
3/16	00SM002708	27/64	00SM002723
13/64	00SM002709	7/16	00SM002724
7/32	00SM002710	29/64	00SM002725
15/64	00SM002711	15/32	00SM002726
1/4	00SM002712	31/64	00SM002727
17/64	00SM002713	1/2	00SM002728
9/32	00SM002714		

29 pc SET 00SM002628

TWIN END DRILLS



**HEAVY DUTY 135° SPLIT POINT
TYPE :140**

FRACTIONAL WIRE GAUGE

DIA.	PART NUMBER	DIA.	PART NUMBER
3/32	00SM002430	#10	00SM002510
1/8	00SM002450	#11	00SM002520
9/64	00SM002460	#20	00SM002530
5/32	00SM002470	#30	00SM002540
3/16	00SM002480		
7/32	00SM002490		
1/4	00SM002500		

- * Special Hi-Molybdenum tool steel, gold surface-treated for maximum lubricity.
- * 135° split point for fast penetration and accurate starting without center punch.
- * Extra rugged uncleared construction gives superior performance and less breakage.

SILVER & DEMING DRILL



**GOLD SURFACE 118° POINT
TYPE :130-AG**

1/2" SHANK 3/8" SHANK

DIA.	PART NUMBER	DIA.	PART NUMBER
33/64	00SM001180	25/64	00SM001620
17/32	00SM001190	13/32	00SM001630
35/64	00SM001200	27/64	00SM001640
9/16	00SM001210	7/16	00SM001650
37/64	00SM001220	29/64	00SM001660
19/32	00SM001230	15/32	00SM001670
39/64	00SM001240	31/64	00SM001680
5/8	00SM001250	1/2	00SM001690
41/64	00SM001260	17/32	00SM001700
21/32	00SM001270	9/16	00SM001710
43/64	00SM001280	19/32	00SM001720
11/16	00SM001290	5/8	00SM001730
45/64	00SM001300		
23/32	00SM001310		
47/64	00SM001320		
3/4	00SM001330		
49/64	00SM001340		
25/32	00SM001350		
51/64	00SM001360		
13/16	00SM001370		
53/64	00SM001380		
27/32	00SM001390		
55/64	00SM001400		
7/8	00SM001410		
57/64	00SM001420		
29/32	00SM001430		
59/64	00SM001440		
15/16	00SM001450		
61/64	00SM001460		
31/32	00SM001470		
63/64	00SM001480		
1	00SM001490		
1-1/32	00SM001500		
1-1/16	00SM001510		
1-3/32	00SM001520		
1-1/8	00SM001530		
1-5/32	00SM001540		
1-3/16	00SM001550		
1-7/32	00SM001560		
1-1/4	00SM001570		
1-5/16	00SM001580		
1-3/8	00SM001590		
1-7/16	00SM001600		
1-1/2	00SM001610		

SCREW EXTRACTOR SET



EACH SET CONTAINS EXTRACTORS
& LEFT HAND DRILLS

8 PIECE	10 PIECE
PART NUMBER	PART NUMBER
00SM002650	00SM002652

JOBBERS LENGTH DRILL SETS



MAGNUM 190-AG

PIECES	SIZES	PART NUMBER
8pc LH	1/16-1/2 x 16ths	00SM002591
12pc LH	1/16-1/2	00SM002593
17pc LH	1/16-1/2	00SM002592
13pc	1/16-1/4 X 64ths	00SM002595
15pc	1/16-1/2 X 32nds	00SM002600
21pc	1/16-3/8 X 64ths	00SM002601
26pc	"A" THRU "Z"	00SM002602
29pc	1/16-1/2 X 64ths	00SM002610
60pc	# 1 THRU # 60	00SM002611
115pc	1/16-1/2 X 64ths, A - Z, 1 - 60	00SM002612

SILVER & DEMING 130-AG

PIECES	SIZES	PART NUMBER
8pc	9/16 - 1"	00SM054520

METRIC 170-AG

PIECES	SIZES	PART NUMBER
19pc	1.0mm X 10.0mm X 0.5mm	00SM002617
25pc	1.0mm X 13.0mm X 0.5mm	00SM002618



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Type 170-AG - Metric

**NAS 907B Black & Gold
Magnum Super Premium, 135° Split Point**

- Manufactured to **NAS 907B** aerospace specification
- Recommended for use in work hardening grades of stainless steel & other hard metal drilling applications.

11 Pc. - Metric

Part #	1.0mm - 6.0mm x .5mm	Qty of each
58650 SP-11M	Black & Gold Super Premium	1

13 Pc.- Metric

Part #	1.0mm - 7.0mm x .5mm	Qty of each
49042 SP-13M	Black & Gold Super Premium	1

19 Pc. - Metric

Part #	1.0mm - 10.0mm x .5mm	Qty of each
58920 SP-19M	Black & Gold Super Premium	1

25 Pc. - Metric

Part #	1.0mm - 13.0mm x .5mm	Qty of each
58660 SP-25M	Black & Gold Super Premium	1

41 Pc. - Metric

Part #	6.0mm - 10.0mm x .1mm	Qty of each
49043 SP-41M	Black & Gold Super Premium	1

118 Pc. - Metric

Part #	Qty of each
60090 SP-118M	1
(1.00 - 2.05mm by 0.05mm, 2.10 - 10.00 10mm by 0.1mm & 10.20, 10.50, 10.80, 11.00, 11.20, 11.50, 11.80, 12.00, 12.20, 12.50, 12.80 & 13.00)	

**Jobber Length BurroTM
Brad Point Super Premium**

- These high performance drills made from Hi-Moly tool steel will cut holes in wood or plastics and leave no burr.
- They will also drill splinter free holes in wood.
- The special **BURROTM** point cuts at the circumference of the hole to avoid the break through burr problems common with standard point drills.



10 Pc.

Part No.	Description of Sizes	Qty of each
42001 BF-10	5/64-3/16 by 64ths + 7/32, 1/4	1

14 Pc.

Part No.	Description of Sizes	Qty of each
42031 BF-14	5/64-3/16 by 64ths + 7/32, 1/4-1/2 by 16ths	1

WeldoutTM Spotweld Drills Sets

- This rugged high performance drill is designed to effectively cut auto body panel spot welds.
- The high red hardness of cobalt steel permits speeds 30% greater than HSS drills.
- Cobalt steel is substantially more abrasion resistant, resulting in long wearing cutting edges.
- A selection of the most popular sizes of spotweld drills in an attractive, rugged black steel case.



TYPE 187 WO-4

Part #	Description of Sizes
35050	8.0mm & 10mm Single-end 8.0mm & 10mm Twin-end



TYPE 186 WO-6

Part #	Description of Sizes
35010	6.5mm, 8.0mm & 10.0mm single-end drills. 6.5mm, 8.0mm & 10.0mm twin end drills.

**Type 190-AL
Magnum Super Premium
- Left Hand Spiral
135° Split Point**

- Ideal for drilling broken studs.
- Need for screw and bolt extractor may be eliminated.



8 Pc.

Part No.	Description of Sizes	Qty of each
87650 LF-8	1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	1

12 Pc.

Part No.	Description of Sizes	Qty of each
87651 LF-12	1/16-5/16 by 32nds, 3/8, 7/16 & 1/2	1

13 Pc.

Part No.	Description of Sizes	Qty of each
87652 LF-13	1/16-1/4 by 64ths	1

15 Pc.

Part No.	Description of Sizes	Qty of each
87654 LF-15	1/16 - 1/2 by 32nds	1

17 Pc.

Part No.	Description of Sizes	Qty of each
87853 LF-17	1/16-1/4 by 64ths, 5/16-1/2 by 16ths	1

29 Pc.

Part No.	Description of Sizes	Qty of each
87854 LF-29	1/16-1/2 by 64ths	1

29 Pc. - Ultra Dex

Part No.	Description of Sizes	Qty of each
87859 LF-29P	1/16-1/2 by 64ths	1



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Step Drills & Annular Cutters

Spira-Broach™ Annular Cutters

M42 Gold Finish Super Cobalt Steel

- Molybdenum-chromium vanadium tungsten with 8% cobalt superior red hot hardness compared to conventional high speed steel.
- M42 longest tool life in the most difficult applications.



1" Cut Depth

2" Cut Depth

CUTTER DIA.	PART NO.
7/16	00SM14351
1/2	00SM14391
9/16	00SM14431
5/8	00SM14471
11/16	00SM14511
3/4	00SM14551
13/16	00SM14591
7/8	00SM14631
15/16	00SM14671
1"	00SM14711

CUTTER DIA.	PART NO.
7/16	00SM14352
1/2	00SM14392
9/16	00SM14432
5/8	00SM14472
11/16	00SM14512
3/4	00SM14552
13/16	00SM14592
7/8	00SM14632
15/16	00SM14672
1"	00SM14712

M2 High-Speed Steel Cutters

- High tungsten content increases abrasion resistance resulting in a tough tool with long lasting durability



1" Cut Depth

2" Cut Depth

CUTTER DIA.	PART NO.
7/16	00SM16311
1/2	00SM16321
9/16	00SM16331
5/8	00SM16341
11/16	00SM16351
3/4	00SM16361
13/16	00SM16371
7/8	00SM16381
15/16	00SM16391
1"	00SM16401

CUTTER DIA.	PART NO.
7/16	00SM16312
1/2	00SM16322
9/16	00SM16332
5/8	00SM16342
11/16	00SM16352
3/4	00SM16362
13/16	00SM16372
7/8	00SM16382
15/16	00SM16392
1"	00SM16402

Step Drills

Type B78-AG, 3 - Flatted Shank

Size	Hole Sizes	No. Range	Shank Size	Step Increments	Step Thickness	Part No.
1	13	1/8-1/2	1/4	1/32	1/8	00SM00701
2	8	9/16-1"	3/8	1/16	5/32	00SM00704
3	9	1/4-3/4	3/8	1/16	5/32	00SM00703
12	10	1/4-1-3/8	3/8	1/8	3/16	00SM00711



Step Drill Set

Type 78-AG, Step Drill - Sets

Sizes	Part No.
1/8 - 1/2, 3/16 - 1/2, and 1/4 - 3/4 (#1, #4, #9)	00SM1911





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Step Drills & Annular Cutters

Screw Extractor Set (#1-#5)

- Set contains size 1-5 screw extractors in a blue vinyl reusable pouch
- Four double-edged cutting/gripping edges for 8 points of contact
- For both left and right hand threads
- Non-slip engagement removes even the toughest frozen bolts
- Tip has a center point so no additional center punch is required when centering the drill hole



Sizes	Part No.
Sizes 1-5	0008102025



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RotaCut™ Sheet Metal Cutters and Kits

Fractional Sizes

- With 3/8-24 Threaded Hole

CUTTER DIA.	DECIMAL EQUIVALENT	MAX D.O.C	PART NO.
1/4	.2500	1/4	0008811100
9/32	.2812	1/4	0008811102
5/16	.3125	1/4	0008811104
11/32	.3437	1/4	0008811106
3/8	.3750	1/4	0008811108
7/16	.4375	1/4	0008811112
1/2	.5000	1/4	0008811116
9/16	.5625	1/4	0008811120
5/8	.6250	1/4	0008811124
3/4	.7500	1/4	0008811132
13/16	.8125	1/4	0008811136
7/8	.8750	1/2	0008811140
1"	1.0000	1/2	0008811148
1-1/4"	1.2500	1/2	0008811158
1-1/2"	1.5000	1/2	0008811168



Cutter Kits

Small Diameter Cutter Kits

Type	Description	D.O.C	Part No.
Fractional Kit	Plastic tool case contains Arbor Assembly, Center Punch, extra Pilot and 7 cutters - 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4	1/4	0008080000
Metric Kit	Cutter sizes - 8, 10, 12, 14, 16, 18, 20mm	1/4	0008811077
Master Kit	Cutter sizes - 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 29/64, 15/32, 1/2, 17/32, 9/16, 5/8, 11/16, 23/32, 3/4	1/4	0008811085
Master Kit	Cutter Sizes - 6, 7, 8, 8.5, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm	38	0008811086

Large Diameter Cutter Kit

Type	Description	D.O.C	Part No.
Large Cutter Kit	Plastic tool case contains Arbor Assembly, Center Punch, extra Pilot and 6 cutters - 7/8, 1", 1-1/8, 1-1/4, 1-3/8, 1-1/2	1/2	00080801

Combo Cutter Kit

Type	Description	D.O.C	Part No.
Combo Cutter Kit	Plastic tool case contains 2 Arbors, Center Punch, extra Pilots and 13 cutters - 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1", 1-1/8, 1-1/4, 1-3/8, 1-1/2	1/2	0008811087



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Jobber Length Drills

High Speed Steel • 118° Point General Purpose

Designed for drilling a wide variety of materials.

Black Oxide Surface Treatment increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention.

Bright Finish with polished flutes enhances chip ejection especially for aluminum and other non-ferrous materials.

Titanium Nitride (TiN) Coating increases tool surface hardness, wear resistance, heat resistance, chip flow and resists chip welding. Enhanced hole quality at higher speeds and feeds.

STANDARD PACKAGE

Fractional Sizes

1/64" thru 3/8" – 12 each

25/64" thru 1/2" – 6 each

33/64" thru 11/16" – 1 each

Letter Sizes

A thru V – 12 each

W thru Z – 6 each

Wire Gage Sizes

#1 thru #80 – 12 each

* Asterick items must be ordered in standard packs



BLACK OXIDE TREATED

List No. 1330 Fractional

List No. 1332 Letter

List No. 1340 Wire Gage



BRIGHT FINISH

List No. 1330B* Fractional

List No. 1332B* Letter

List No. 1340B* Wire Gage



TITANIUM NITRIDE COATED

List No. 1330G* All Sizes

SIZE	FRAC- TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	1330, 1332,	1330B, 1332B,	1330G	
						1340 EDP NO.	1340B EDP NO.	EDP NO.	
1/64		80	.0135	1/8	3/4	11351	11551	—	
		79	.0145	1/8	3/4	11352	11552	—	
			.0156	3/16	3/4	11353	11553	—	
		78	.0160	3/16	7/8	11354	11554	—	
		77	.0180	3/16	7/8	11355	11555	—	
		76	.0200	3/16	7/8	11356	11556	—	
		75	.0210	1/4	1	11357	11557	—	
		74	.0225	1/4	1	11358	11558	—	
		73	.0240	5/16	1 1/8	11359	11559	—	
		72	.0250	5/16	1 1/8	11360	11560	—	
	1/32		71	.0260	3/8	1 1/4	11361	11561	—
			70	.0280	3/8	1 1/4	11362	11562	—
		69	.0292	1/2	1 3/8	11363	11563	—	
		68	.0310	1/2	1 3/8	11364	11564	—	
			.0312	1/2	1 3/8	11365	11565	—	
		67	.0320	1/2	1 3/8	11366	11566	—	
		66	.0330	1/2	1 3/8	11367	11567	—	
		65	.0350	5/8	1 1/2	11368	11568	—	
		64	.0360	5/8	1 1/2	11369	11569	—	
		63	.0370	5/8	1 1/2	11370	11570	—	
		62	.0380	5/8	1 1/2	11371	11571	—	
		61	.0390	11/16	1 5/8	11372	11572	—	
	60	.0400	11/16	1 5/8	11373	11573	91373		
	59	.0410	11/16	1 5/8	11374	11574	91374		
	58	.0420	11/16	1 5/8	11375	11575	91375		
3/64		57	.0430	3/4	1 3/4	11376	11576	91376	
		56	.0465	3/4	1 3/4	11377	11577	91377	
			.0469	3/4	1 3/4	11378	11578	91378	
		55	.0520	7/8	1 7/8	11379	11579	91379	
		54	.0550	7/8	1 7/8	11380	11580	91380	
		53	.0595	7/8	1 7/8	11381	11581	91381	
1/16			.0625	7/8	1 7/8	11382	11582	91382	
		52	.0635	7/8	1 7/8	11383	11583	91383	
		51	.0670	1	2	11384	11584	91384	
		50	.0700	1	2	11385	11585	91385	
		49	.0730	1	2	11386	11586	91386	

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Jobber Length Drills

High Speed Steel • 118° Point General Purpose

List Nos. 1330/B, 1332/B, 1340/B and 1330G

FRACTIONAL SIZE	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	1330, 1332, 1340 EDP NO.	1330B, 1332B, 1340B EDP NO.	1330G EDP NO.
5/64	48	.0760	1	2	11387	11587	91387
		.0781	1	2	11388	11588	91388
		.0785	1	2	11389	11589	91389
		.0810	1 1/8	2 1/8	11390	11590	91390
		.0820	1 1/8	2 1/8	11391	11591	91391
3/32	44	.0860	1 1/8	2 1/8	11392	11592	91392
	43	.0890	1 1/4	2 1/4	11393	11593	91393
	42	.0935	1 1/4	2 1/4	11394	11594	91394
		.0937	1 1/4	2 1/4	11395	11595	91395
	41	.0960	1 3/8	2 3/8	11396	11596	91396
	40	.0980	1 3/8	2 3/8	11397	11597	91397
	39	.0995	1 3/8	2 3/8	11398	11598	91398
	38	.1015	1 7/16	2 1/2	11399	11599	91399
7/64	37	.1040	1 7/16	2 1/2	11400	11600	91400
	36	.1065	1 7/16	2 1/2	11401	11601	91401
		.1094	1 1/2	2 5/8	11402	11602	91402
	35	.1100	1 1/2	2 5/8	11403	11603	91403
	34	.1110	1 1/2	2 5/8	11404	11604	91404
	33	.1130	1 1/2	2 5/8	11405	11605	91405
	32	.1160	1 5/8	2 3/4	11406	11606	91406
1/8	31	.1200	1 5/8	2 3/4	11407	11607	91407
		.1250	1 5/8	2 3/4	11408	11608	91408
	30	.1285	1 5/8	2 3/4	11409	11609	91409
	29	.1360	1 3/4	2 7/8	11410	11610	91410
	28	.1405	1 3/4	2 7/8	11411	11611	91411
9/64		.1406	1 3/4	2 7/8	11412	11612	91412
	27	.1440	1 7/8	3	11413	11613	91413
	26	.1470	1 7/8	3	11414	11614	91414
	25	.1495	1 7/8	3	11415	11615	91415
	24	.1520	2	3 1/8	11416	11616	91416
	23	.1540	2	3 1/8	11417	11617	91417
5/32		.1562	2	3 1/8	11418	11618	91418
	22	.1570	2	3 1/8	11419	11619	91419
	21	.1590	2 1/8	3 1/4	11420	11620	91420
	20	.1610	2 1/8	3 1/4	11421	11621	91421
	19	.1660	2 1/8	3 1/4	11422	11622	91422
11/64	18	.1695	2 1/8	3 1/4	11423	11623	91423
		.1719	2 1/8	3 1/4	11424	11624	91424
	17	.1730	2 3/16	3 3/8	11425	11625	91425
	16	.1770	2 3/16	3 3/8	11426	11626	91426
	15	.1800	2 3/16	3 3/8	11427	11627	91427
3/16	14	.1820	2 3/16	3 3/8	11428	11628	91428
	13	.1850	2 5/16	3 1/2	11429	11629	91429
		.1875	2 5/16	3 1/2	11430	11630	91430
	12	.1890	2 5/16	3 1/2	11431	11631	91431
	11	.1910	2 5/16	3 1/2	11432	11632	91432
	10	.1935	2 7/16	3 5/8	11433	11633	91433
7/32	9	.1960	2 7/16	3 5/8	11434	11634	91434
	8	.1990	2 7/16	3 5/8	11435	11635	91435
	7	.2010	2 7/16	3 5/8	11436	11636	91436
		.2031	2 7/16	3 5/8	11437	11637	91437
	6	.2040	2 1/2	3 3/4	11438	11638	91438
13/64	5	.2055	2 1/2	3 3/4	11439	11639	91439
	4	.2090	2 1/2	3 3/4	11440	11640	91440
	3	.2130	2 1/2	3 3/4	11441	11641	91441
		.2187	2 1/2	3 3/4	11442	11642	91442
7/32	2	.2210	2 5/8	3 7/8	11443	11643	91443
	1	.2280	2 5/8	3 7/8	11444	11644	91444

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Metric Jobber Length Drills

High Speed Steel • 118° Point General Purpose

SAVE 50-75%
On Our Resharpener Service

No Minimum Order
1 or 10,000

Drills 3/16 and Up
End Mills
T-Slot Cutters
Reamers
Keyway
Hog Mills
Shell End Mills
Milling Cutters
Knives/Slitters

WE GRIND TO YOUR SPECIFICATIONS



Metric Jobber Length Drills

Straight Shank — High Speed Steel
118° Point — Treated (Black Oxide)
DIN 338 Lengths



List No. 1333

STANDARD PACKAGE

.15 mm thru 9.5 mm — 12 each
9.6 mm thru 13.0 mm — 6 each
13.5mm thru 17.5 mm — 1 each

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN	MM	IN	
.15	.0059	1.5	1/16	19	3/4	12893
.16	.0063	1.5	1/16	19	3/4	12894
.21	.0083	2.5	3/32	19	3/4	12899
.22	.0087	2.5	3/32	19	3/4	12990
.32	.0126	4	5/32	19	3/4	12999
.34	.0134	4	5/32	19	3/4	13000
.44	.0173	5	3/16	20	25/32	12853
.48	.0181	5	3/16	20	25/32	12855
.50	.0197	6	1/4	22	7/8	13004
.55	.0217	7	9/32	24	15/16	13005
.60	.0236	7	9/32	24	15/16	13006
.65	.0265	8	5/16	26	1-1/32	13007
.70	.0276	9	11/32	28	1-3/32	13008
.75	.0295	9	11/32	28	1-3/32	13009
.80	.0315	10	13/32	30	1-3/16	13010
.85	.0335	10	13/32	30	1-3/16	13011
.90	.0354	11	7/16	32	1-1/4	13012
.95	.0374	11	7/16	32	1-1/4	13013
1.00	.0394	12	15/32	34	1-11/32	13014
1.05	.0413	12	15/32	34	1-11/32	13015
1.10	.0433	14	9/16	36	1-7/16	13016
1.15	.0453	14	9/16	36	1-7/16	13017
1.20	.0472	16	5/8	38	1-1/2	13018
1.25	.0492	16	5/8	38	1-1/2	13019

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN	MM	IN	
1.30	.0512	16	5/8	38	1-1/2	13020
1.35	.0531	18	11/16	40	1-9/16	13021
1.40	.0551	18	11/16	40	1-9/16	13022
1.45	.0571	18	11/16	40	1-9/16	13023
1.50	.0591	18	11/16	40	1-9/16	13024
1.55	.0610	20	25/32	43	1-11/16	13025
1.60	.0630	20	25/32	43	1-11/16	13026
1.65	.0650	20	25/32	43	1-11/16	13027
1.70	.0669	20	25/32	43	1-11/16	13028
1.75	.0689	22	7/8	46	1-13/16	13029
1.80	.0709	22	7/8	46	1-13/16	13030
1.85	.0728	22	7/8	46	1-13/16	13031
1.90	.0748	22	7/8	46	1-13/16	13032
1.95	.0768	24	15/16	49	1-15/16	13033
2.00	.0787	24	15/16	49	1-15/16	13034
2.05	.0807	24	15/16	49	1-15/16	13035
2.10	.0827	24	15/16	49	1-15/16	13036
2.15	.0846	27	1-1/16	53	2-3/32	13037
2.20	.0866	27	1-1/16	53	2-3/32	13038
2.25	.0886	27	1-1/16	53	2-3/32	13039
2.30	.0906	27	1-1/16	53	2-3/32	13040
2.35	.0925	27	1-1/16	53	2-3/32	13041
2.40	.0945	30	1-3/16	57	2-1/4	13042
2.45	.0965	30	1-3/16	57	2-1/4	13043

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Metric Jobber Length Drills

High Speed Steel • 118° Point General Purpose

List No. 1333

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.	SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN	MM	IN				MM	IN			
2.50	.0984	30	1-3/16	57	2-1/4	13044	7.20	.2835	69	2-23/32	109	4-9/32	13100
2.60	.1024	30	1-3/16	57	2-1/4	13045	7.25	.2854	69	2-23/32	109	4-9/32	13101
2.70	.1063	33	1-5/16	61	2-13/32	13046	7.30	.2874	69	2-23/32	109	4-9/32	13102
2.75	.1083	33	1-5/16	61	2-13/32	13047	7.40	.2913	69	2-23/32	109	4-9/32	13103
2.80	.1102	33	1-5/16	61	2-13/32	13048	7.50	.2953	69	2-23/32	109	4-9/32	13104
2.90	.1142	33	1-5/16	61	2-13/32	13049	7.60	.2992	75	2-15/16	117	4-19/32	13105
3.00	.1181	33	1-5/16	61	2-13/32	13050	7.70	.3031	75	2-15/16	117	4-19/32	13106
3.10	.1220	36	1-7/16	65	2-9/16	13051	7.75	.3051	75	2-15/16	117	4-19/32	13107
3.20	.1260	36	1-7/16	65	2-9/16	13052	7.80	.3071	75	2-15/16	117	4-19/32	13108
3.25	.1280	36	1-7/16	65	2-9/16	13053	7.90	.3110	75	2-15/16	117	4-19/32	13109
3.30	.1299	36	1-7/16	65	2-9/16	13054	8.00	.3150	75	2-15/16	117	4-19/32	13110
3.40	.1339	39	1-17/32	70	2-3/4	13055	8.10	.3189	75	2-15/16	117	4-19/32	13111
3.50	.1378	39	1-17/32	70	2-3/4	13056	8.20	.3228	75	2-15/16	117	4-19/32	13112
3.60	.1417	39	1-17/32	70	2-3/4	13057	8.25	.3248	75	2-15/16	117	4-19/32	13113
3.70	.1457	39	1-17/32	70	2-3/4	13058	8.30	.3268	75	2-15/16	117	4-19/32	13114
3.75	.1476	39	1-17/32	70	2-3/4	13059	8.40	.3307	75	2-15/16	117	4-19/32	13115
3.80	.1496	43	1-11/16	75	2-15/16	13060	8.50	.3346	75	2-15/16	117	4-19/32	13116
3.90	.1535	43	1-11/16	75	2-15/16	13061	8.60	.3386	81	3-3/16	125	4-29/32	13117
4.00	.1575	43	1-11/16	75	2-15/16	13062	8.70	.3425	81	3-3/16	125	4-29/32	13118
4.10	.1614	43	1-11/16	75	2-15/16	13063	8.75	.3445	81	3-3/16	125	4-29/32	13119
4.20	.1654	43	1-11/16	75	2-15/16	13064	8.80	.3465	81	3-3/16	125	4-29/32	13120
4.25	.1673	43	1-11/16	75	2-15/16	13065	8.90	.3504	81	3-3/16	125	4-29/32	13121
4.30	.1693	47	1-27/32	80	3-5/32	13066	9.00	.3543	81	3-3/16	125	4-29/32	13122
4.40	.1732	47	1-27/32	80	3-5/32	13067	9.10	.3583	81	3-3/16	125	4-29/32	13123
4.50	.1772	47	1-27/32	80	3-5/32	13068	9.20	.3622	81	3-3/16	125	4-29/32	13124
4.60	.1811	47	1-27/32	80	3-5/32	13069	9.25	.3642	81	3-3/16	125	4-29/32	13125
4.70	.1850	47	1-27/32	80	3-5/32	13070	9.30	.3661	81	3-3/16	125	4-29/32	13126
4.75	.1870	47	1-27/32	80	3-5/32	13071	9.40	.3701	81	3-3/16	125	4-29/32	13127
4.80	.1890	52	2-1/16	86	3-3/8	13072	9.50	.3740	81	3-3/16	125	4-29/32	13128
4.90	.1929	52	2-1/16	86	3-3/8	13073	9.60	.3780	87	3-7/16	133	5-1/4	13129
5.00	.1968	52	2-1/16	86	3-3/8	13074	9.70	.3819	87	3-7/16	133	5-1/4	13130
5.10	.2008	52	2-1/16	86	3-3/8	13075	9.75	.3839	87	3-7/16	133	5-1/4	13131
5.20	.2047	52	2-1/16	86	3-3/8	13076	9.80	.3898	87	3-7/16	133	5-1/4	13132
5.25	.2067	52	2-1/16	86	3-3/8	13077	9.90	.3998	87	3-7/16	133	5-1/4	13133
5.30	.2087	52	2-1/16	86	3-3/8	13078	10.00	.3937	87	3-7/16	133	5-1/4	13134
5.40	.2126	57	2-1/4	93	3-21/32	13079	10.20	.4016	87	3-7/16	133	5-1/4	12858
5.50	.2165	57	2-1/4	93	3-21/32	13080	10.30	.4055	87	3-7/16	133	5-1/4	12859
5.60	.2205	57	2-1/4	93	3-21/32	13081	10.50	.4134	87	3-7/16	133	5-1/4	13135
5.70	.2244	57	2-1/4	93	3-21/32	13082	10.80	.4252	94	3-11/16	142	5-19/32	12863
5.75	.2264	57	2-1/4	93	3-21/32	13083	11.00	.4331	94	3-11/16	142	5-19/32	13136
5.80	.2283	57	2-1/4	93	3-21/32	13084	11.20	.4409	94	3-11/16	142	5-19/32	12866
5.90	.2323	57	2-1/4	93	3-21/32	13085	11.50	.4528	94	3-11/16	142	5-19/32	13137
6.00	.2362	57	2-1/4	93	3-21/32	13086	11.80	.4646	94	3-11/16	142	5-19/32	12871
6.10	.2402	63	2-15/32	101	3-31/32	13087	12.00	.4724	101	3-31/32	151	5-15/16	13138
6.20	.2441	63	2-15/32	101	3-31/32	13088	12.20	.4803	101	3-31/32	151	5-15/16	12874
6.25	.2461	63	2-15/32	101	3-31/32	13089	12.50	.4921	101	3-31/32	151	5-15/16	13139
6.30	.2480	63	2-15/32	101	3-31/32	13090	13.00	.5118	101	3-31/32	151	5-15/16	13140
6.40	.2520	63	2-15/32	101	3-31/32	13091	13.50	.5315	108	4-1/4	160	6-5/16	12881
6.50	.2559	63	2-15/32	101	3-31/32	13092	14.00	.5512	108	4-1/4	160	6-5/16	12882
6.60	.2598	63	2-15/32	101	3-31/32	13093	14.50	.5709	114	4-1/2	169	6-5/8	12883
6.70	.2638	63	2-15/32	101	3-31/32	13094	15.00	.5906	114	4-1/2	169	6-5/8	12884
6.75	.2657	69	2-23/32	109	4-9/32	13095	15.50	.6102	120	4-3/4	178	7	12885
6.80	.2677	69	2-23/32	109	4-9/32	13096	16.00	.6299	120	4-3/4	178	7	12886
6.90	.2717	69	2-23/32	109	4-9/32	13097	16.50	.6496	125	4-29/32	184	7-1/4	12887
7.00	.2756	69	2-23/32	109	4-9/32	13098	17.00	.6693	125	4-29/32	184	7-1/4	12888
7.10	.2795	69	2-23/32	109	4-9/32	13099	17.50	.6890	130	5-3/32	191	7-17/32	12890

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Solid Carbide Drills

Titanium Aluminum Nitride Coating • 118° Point

Solid Carbide Standard Length Drills

Recommended for drilling cast iron, non ferrous alloys, plastics, aluminum and other easily machined materials.

Solid Carbide offers excellent hardness, wear resistance and heat resistance for higher cutting speeds and longer tool life. High rigidity enhances hole accuracy and quality.

Titanium Aluminum Nitride (TiALN) Coating is an excellent all around coating that increases surface hardness, wear resistance, heat resistance, chip flow and resists chip welding.



List No. 5374 - Uncoated

List No. 5374T - TiALN Coated 118° Point

TOLERANCES

All sizes +.0000/-0.005

STANDARD PACKAGE

All sizes — 1 each

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	5374		5374T		SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	5374		5374T	
				UNCOATED EDP NO.	TiALN EDP NO.	UNCOATED EDP NO.	TiALN EDP NO.					UNCOATED EDP NO.	TiALN EDP NO.		
80	.0135	3/16	3/4	51000	—	47	.0785	7/8	1-3/4	51039	92105				
79	.0145	3/16	3/4	51001	—	2.00 mm	.0787	7/8	1-3/4	50978	92106				
1/64	.0156	3/16	3/4	51002	—	46	.0810	7/8	1-3/4	51040	92107				
78	.0160	3/16	3/4	51003	—	45	.0820	7/8	1-3/4	51041	92108				
77	.0180	3/16	3/4	51004	—	44	.0860	1	2	51042	92109				
76	.0200	1/4	7/8	51005	—	43	.0890	1	2	51043	92110				
75	.0210	1/4	7/8	51006	—	42	.0935	1	2	51044	92111				
74	.0225	1/4	7/8	51007	—	3/32	.0938	1	2	51045	92112				
73	.0240	1/4	7/8	51008	—	41	.0960	1	2	51046	92113				
72	.0250	5/16	1	51009	—	40	.0980	1	2	51047	92114				
71	.0260	5/16	1	51010	—	2.50 mm	.0984	1	2	50979	92115				
70	.0280	1/2	1-1/2	51011	—	39	.0995	1-1/4	2-1/4	51048	92116				
69	.0292	1/2	1-1/2	51012	—	38	.1015	1-1/4	2-1/4	51049	92117				
68	.0310	1/2	1-1/2	51013	—	37	.1040	1-1/4	2-1/4	51050	92118				
1/32	.0312	1/2	1-1/2	51014	92090	36	.1065	1-1/4	2-1/4	51051	92119				
67	.0320	1/2	1-1/2	51015	—	7/64	.1094	1-1/4	2-1/4	51052	92120				
66	.0330	1/2	1-1/2	51016	—	35	.1100	1-1/4	2-1/4	51053	92121				
65	.0350	5/8	1-1/2	51017	—	34	.1110	1-1/4	2-1/4	51054	92122				
64	.0360	5/8	1-1/2	51018	—	33	.1130	1-1/4	2-1/4	51055	92123				
63	.0370	5/8	1-1/2	51019	—	32	.1160	1-1/4	2-1/4	51056	92124				
62	.0380	5/8	1-1/2	51020	—	3.00 mm	.1181	1-1/4	2-1/4	50980	92125				
61	.0390	5/8	1-1/2	51021	—	31	.1200	1-1/4	2-1/4	51057	92126				
1.00 mm	.0394	5/8	1-1/2	51022	92091	1/8	.1250	1-1/4	2-1/4	51058	92127				
60	.0400	3/4	1-1/2	51023	—	30	.1285	1-1/4	2-1/4	51059	92128				
59	.0410	3/4	1-1/2	51024	—	29	.1360	1-3/8	2-1/2	51060	92129				
58	.0420	3/4	1-1/2	51025	—	3.50 mm	.1378	1-3/8	2-1/2	50981	92130				
57	.0430	3/4	1-1/2	51026	—	28	.1405	1-3/8	2-1/2	51061	92131				
56	.0465	3/4	1-1/2	51027	92092	9/64	.1406	1-3/8	2-1/2	51062	92132				
3/64	.0469	3/4	1-1/2	51028	92093	27	.1440	1-3/8	2-1/2	51063	92133				
55	.0520	3/4	1-1/2	51029	92094	26	.1470	1-3/8	2-1/2	51064	92134				
54	.0550	3/4	1-1/2	51030	92095	25	.1495	1-3/8	2-1/2	51065	92135				
1.50 mm	.0591	3/4	1-1/2	50977	92096	24	.1520	1-3/8	2-1/2	51066	92136				
53	.0595	3/4	1-1/2	51031	92097	23	.1540	1-3/8	2-1/2	51067	92137				
1/16	.0625	3/4	1-1/2	51032	92098	5/32	.1562	1-3/8	2-1/2	51068	92138				
52	.0635	3/4	1-1/2	51033	92099	22	.1570	1-3/8	2-1/2	51069	92139				
51	.0670	3/4	1-1/2	51034	92100	4.00 mm	.1575	1-3/8	2-1/2	50982	92140				
50	.0700	7/8	1-3/4	51035	92101	21	.1590	1-3/8	2-1/2	51070	92141				
49	.0730	7/8	1-3/4	51036	92102	20	.1610	1-3/8	2-1/2	51071	92142				
48	.0760	7/8	1-3/4	51037	92103	19	.1660	1-5/8	2-3/4	51072	92143				
5/64	.0781	7/8	1-3/4	51038	92104	18	.1695	1-5/8	2-3/4	51073	92144				

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Solid Carbide Drills

High Speed Steel • 118° Point General Purpose

Solid Carbide Standard Length Drills

Recommended for drilling cast iron, non ferrous alloys, plastics, aluminum and other easily machined materials.

Solid Carbide offers excellent hardness, wear resistance and heat resistance for higher cutting speeds and longer tool life. High rigidity enhances hole accuracy and quality.

Titanium Aluminum Nitride (TiAlN) Coating is an excellent all around coating that increases surface hardness, wear resistance, heat resistance, chip flow and resists chip welding.



List No. 5374 - Uncoated

List No. 5374T - TiAlN Coated

118° Point

TOLERANCES

All sizes +.0000/-0.0005

STANDARD PACKAGE

All sizes — 1 each

				5374	5374T					5374	5374T
				UNCOATED	TiAlN					UNCOATED	TiAlN
SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.	EDP NO.	SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.	EDP NO.
11/64	.1719	1-5/8	2-3/4	51074	92145	L	.2900	2-1/8	3-1/2	51110	92186
17	.1730	1-5/8	2-3/4	51075	92146	M	.2950	2-3/8	3-3/4	51111	92187
16	.1770	1-5/8	2-3/4	51076	92147	7.50 mm	.2953	2-3/8	3-3/4	50989	92188
4.50 mm	.1772	1-5/8	2-3/4	50983	92148	19/64	.2969	2-3/8	3-3/4	51112	92189
15	.1800	1-5/8	2-3/4	51077	92149	N	.3020	2-3/8	3-3/4	51113	92190
14	.1820	1-5/8	2-3/4	51078	92150	5/16	.3125	2-3/8	3-3/4	51114	92191
13	.1850	1-5/8	2-3/4	51079	92151	8.00 mm	.3150	2-3/8	3-3/4	50990	92192
3/16	.1875	1-5/8	2-3/4	51080	92152	O	.3160	2-3/8	3-3/4	51115	92193
12	.1890	1-5/8	2-3/4	51081	92153	P	.3230	2-3/8	3-3/4	51116	92194
11	.1910	1-5/8	2-3/4	51082	92154	21/64	.3281	2-1/2	4	51117	92195
10	.1935	1-5/8	2-3/4	51083	92155	Q	.3320	2-1/2	4	51118	92196
9	.1960	1-3/4	3	51084	92156	8.50 mm	.3346	2-1/2	4	50991	92197
5.00 mm	.1969	1-3/4	3	50984	92157	R	.3390	2-1/2	4	51119	92198
8	.1990	1-3/4	3	51085	92158	11/32	.3438	2-1/2	4	51120	92199
7	.2010	1-3/4	3	51086	92159	S	.3480	2-1/2	4	51121	92200
13/64	.2031	1-3/4	3	51087	92160	9.00 mm	.3543	2-1/2	4	50992	92201
6	.2040	1-3/4	3	51088	92161	T	.3580	2-3/4	4-1/4	51122	92202
5	.2055	1-3/4	3	51089	92162	23/64	.3594	2-3/4	4-1/4	51123	92203
4	.2090	1-3/4	3	51090	92163	U	.3680	2-3/4	4-1/4	51124	92204
3	.2130	1-3/4	3	51091	92164	9.50 mm	.3740	2-3/4	4-1/4	50993	92205
5.50 mm	.2165	1-3/4	3	50985	92165	3/8	.3750	2-3/4	4-1/4	51125	92206
7/32	.2188	1-3/4	3	51092	92166	V	.3770	2-3/4	4-1/4	51126	92207
2	.2210	1-3/4	3	51093	92167	W	.3860	2-7/8	4-1/2	51127	92208
1	.2280	1-3/4	3	51094	92168	25/64	.3906	2-7/8	4-1/2	51128	92209
A	.2340	2	3-1/4	51095	92169	10.00 mm	.3937	2-7/8	4-1/2	50994	92210
15/64	.2344	2	3-1/4	51096	92170	X	.3970	2-7/8	4-1/2	51129	92211
6.00 mm	.2362	2	3-1/4	50986	92171	Y	.4040	2-7/8	4-1/2	51130	92212
B	.2380	2	3-1/4	51097	92172	13/32	.4062	2-7/8	4-1/2	51131	92213
C	.2420	2	3-1/4	51098	92173	Z	.4130	2-7/8	4-1/2	51132	92214
D	.2460	2	3-1/4	51099	92174	10.50 mm	.4134	2-7/8	4-1/2	50995	92215
1/4 (E)	.2500	2	3-1/4	51100	92175	27/64	.4219	2-7/8	4-1/2	51133	92216
6.50 mm	.2559	2	3-1/4	50987	92176	11.00 mm	.4331	2-7/8	4-1/2	50996	92217
F	.2570	2	3-1/4	51102	92177	7/16	.4375	2-7/8	4-1/2	51134	92218
G	.2610	2-1/8	3-1/2	51103	92178	11.50 mm	.4528	3	4-3/4	50997	92219
17/64	.2656	2-1/8	3-1/2	51104	92179	29/64	.4531	3	4-3/4	51135	92220
H	.2660	2-1/8	3-1/2	51105	92180	15/32	.4688	3	4-3/4	51136	92221
I	.2720	2-1/8	3-1/2	51106	92181	12.00 mm	.4724	3	4-3/4	50998	92222
7.00 mm	.2756	2-1/8	3-1/2	50988	92182	31/64	.4844	3	4-3/4	51137	92223
J	.2770	2-1/8	3-1/2	51107	92183	12.50 mm	.4921	3	4-3/4	50999	92224
K	.2810	2-1/8	3-1/2	51108	92184	1/2	.5000	3	4-3/4	51138	92225
9/32	.2812	2-1/8	3-1/2	51109	92185						

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1/2" Silver & Deming Drills

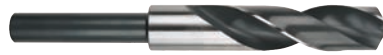
High Speed Steel • 118° Point

1/2" Reduced Shank Silver & Deming Drills

118° Point – High Speed Steel

Expand the size range capacity of 1/2" drill chucks. Recommended for drilling a wide range of materials of low to medium tensile strength.

STANDARD PACKAGE All sizes — 1 each



List No. 1424R

Round Shank



3-Flat Shank for positive hold.

118° Self-Centering Split Point reduces "wandering" and thrust.

List No. 1424

3-Flat Shank for positive hold

Black & Gold "MorseKut" Finish enhances performance and abrasion resistance.

List No. 1424S

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	LIST 1424R EDP NO.	LIST 1424 EDP NO.	LIST 1424S EDP NO.
33/64	.5156	3 1/8	6	17031	—	19031
17/32	.5312	3 1/8	6	17032	—	19032
35/64	.5469	3 1/8	6	17033	—	19033
9/16	.5625	3 1/8	6	17034	—	19034
37/64	.5781	3 1/8	6	17035	—	19035
19/32	.5938	3 1/8	6	17036	—	19036
39/64	.6094	3 1/8	6	17037	15077	19037
5/8	.6250	3 1/8	6	17038	—	19038
41/64	.6406	3 1/8	6	17039	—	19039
21/32	.6562	3 1/8	6	17040	—	19040
43/64	.6719	3 1/8	6	17041	15079	19041
11/16	.6875	3 1/8	6	17042	—	19042
45/64	.7031	3 1/8	6	17043	—	19043
23/32	.7188	3 1/8	6	17044	—	19044
47/64	.7344	3 1/8	6	17045	—	19045
3/4	.7500	3 1/8	6	17046	—	19046
49/64	.7656	3 1/8	6	17047	—	19047
25/32	.7812	3 1/8	6	17048	—	19048
51/64	.7969	3 1/8	6	17049	—	19049
13/16	.8125	3 1/8	6	17050	—	19050
53/64	.8281	3 1/8	6	17051	15084	19051
27/32	.8438	3 1/8	6	17052	—	19052
55/64	.8594	3 1/8	6	17053	—	19053
7/8	.8750	3 1/8	6	17054	—	19054
57/64	.8902	3 1/8	6	17055	—	19055
29/32	.9062	3 1/8	6	17056	15066	19056
59/64	.9219	3 1/8	6	17057	—	19057
15/16	.9375	3 1/8	6	17058	15067	19058
61/64	.9531	3 1/8	6	17059	15088	19059
31/32	.9688	3 1/8	6	17060	—	19060
63/64	.9844	3 1/8	6	17061	—	19061
1	1.0000	3 1/8	6	17062	—	19062
1 1/64	1.0156	3 1/8	6	17063	—	19063
1 1/32	1.0312	3 1/8	6	17064	15095	19064
1 1/16	1.0469	3 1/8	6	17065	—	—
1 1/8	1.0625	3 1/8	6	17066	15070	19065
1 5/64	1.0781	3 1/8	6	17067	—	—
1 1/32	1.0937	3 1/8	6	17068	—	19066
1 7/64	1.1094	3 1/8	6	17069	—	—
1 1/8	1.1250	3 1/8	6	17070	—	19067
1 9/64	1.1406	3 1/8	6	17071	—	—
1 5/32	1.1562	3 1/8	6	17072	15097	19068
1 11/64	1.1719	3 1/8	6	17073	—	—
1 1/16	1.1875	3 1/8	6	17074	15072	19069
1 13/64	1.2031	3 1/8	6	17075	—	—
1 7/32	1.2188	3 1/8	6	17076	15098	19070
1 15/64	1.2344	3 1/8	6	17077	—	—
1 1/4	1.2500	3 1/8	6	17078	—	19071
1 9/32	1.2812	3 1/8	6	17080	—	—
1 5/16	1.3125	3 1/8	6	17082	—	19072

To order: add prefix 00330 to each EDP number



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Silver & Deming Drills

High Speed Steel • Reduced Shank

1/2" Reduced Shank Silver & Deming Drills

List No. 1424, 1424R, 1424S



SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	LIST 1424R EDP NO.	LIST 1424 EDP NO.	LIST 1424S EDP NO.
1 ¹¹ / ₃₂	1.3438	3 ¹ / ₈	6	17084	—	—
1 ³ / ₈	1.3750	3 ¹ / ₈	6	17086	15091	19073
1 ²⁵ / ₆₄	1.3906	3 ¹ / ₈	6	17087	—	—
1 ¹³ / ₃₂	1.4062	3 ¹ / ₈	6	17088	—	—
1 ⁷ / ₁₆	1.4375	3 ¹ / ₈	6	17090	15092	19074
1 ¹⁵ / ₃₂	1.4687	3 ¹ / ₈	6	17092	—	—
1 ¹ / ₂	1.5000	3 ¹ / ₈	6	17094	—	19075

Cobalt

1/2" Reduced Shank

Silver & Deming Drills

130° Helical Point

Heavy duty construction. Cobalt steel offers increased hardness, toughness, wear resistance and heat resistance. Recommended for drilling tough, high tensile strength materials and materials that generate higher cutting temperatures including high alloy steels, ferrous castings, titanium, Inconel, stainless steels and other difficult-to-drill materials.

STANDARD PACKAGE All sizes — 1 each



List No. 2424

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
25 ¹ / ₃₂	.7812	3 ¹ / ₈	6	15273
27 ¹ / ₃₂	.8437	3 ¹ / ₈	6	15275
7 ¹ / ₈	.8750	3 ¹ / ₈	6	15276
15 ¹ / ₁₆	.9375	3 ¹ / ₈	6	15278
1 ³ / ₁₆	1.1875	3 ¹ / ₈	6	15283

Ambore™ Mighty Bite™

Hole Enlarger

4 Flute

Specifically designed to enlarge holes, preventing hogging usually experienced when using S&D drills. The four flute design offers a good surface finish, improved hole accuracy and allows for increased metal removal rates.

Manufactured with premium tool steel, unique gold and black finish, close tolerance, and 3-flat reduced shanks.



List No. 1458

Will not drill solid material.

STANDARD PACKAGE All sizes — 1 each

SIZE	MIN. STARTING HOLE SIZE	DEC. EQUIV.	SHANK DIA.	FLUTE LENGTH	OAL	EDP NO.
3 ¹ / ₈	1 ¹ / ₄	.3750	3 ³ / ₈	1 ⁷ / ₈	4 ⁵ / ₁₆	16170
1 ¹ / ₂	5 ¹ / ₁₆	.5000	1 ¹ / ₂	1 ⁷ / ₈	4 ⁵ / ₁₆	16171
9 ¹ / ₁₆	3 ¹ / ₈	.5625	1 ¹ / ₂	1 ⁷ / ₈	4 ⁵ / ₁₆	16172
5 ¹ / ₈	25 ¹ / ₆₄	.6250	1 ¹ / ₂	1 ⁷ / ₈	4 ⁵ / ₁₆	16173
11 ¹ / ₁₆	7 ¹ / ₁₆	.6875	1 ¹ / ₂	1 ⁷ / ₈	4 ⁵ / ₁₆	16174
3 ¹ / ₄	15 ¹ / ₃₂	.7500	1 ¹ / ₂	1 ⁷ / ₈	4 ⁵ / ₁₆	16175

To order: add prefix 00330 to each EDP number



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Straight Shank Drills

High Speed Steel • 118° Notch Point

Extra Long Straight Shank Drills



Straight Shank — High Speed Steel 118° Notch Point

For general purpose drilling in applications where extra reach is required.

List No. 1315

5 1/2" Flute, 8" Overall Length

STANDARD PACKAGE All sizes — 1 each

SIZE	DEC. EQUIV.	EDP NO.
1/8	.1250	10902
9/32	.1406	10905
5/16	.1562	10909
11/32	.1719	10912
3/8	.1875	10915
13/32	.2031	10920
7/16	.2188	10923
15/32	.2344	10927
1/2	.2500	10928
11/16	.2656	10932
9/16	.2812	10935
19/32	.2969	10936
5/8	.3125	10941

SIZE	DEC. EQUIV.	EDP NO.
21/64	.3281	10942
11/32	.3438	10305
23/64	.3594	10306
3/8	.3750	10951
25/64	.3906	10952
13/32	.4062	10309
27/64	.4219	10310
7/16	.4375	10961
29/64	.4531	10311
15/32	.4688	10307
31/64	.4844	10967
1/2	.5000	10308

7 1/2" Flute, 10" Overall Length

SIZE	DEC. EQUIV.	EDP NO.
1/8	.1250	10903
5/32	.1562	10910
3/16	.1875	10917
7/32	.2188	10925
15/32	.2344	10929
1/2	.2500	10930
9/16	.2812	10937

SIZE	DEC. EQUIV.	EDP NO.
5/16	.3125	10943
11/32	.3438	10947
3/8	.3750	10953
13/32	.4062	10957
7/16	.4375	10962
15/32	.4688	10966
1/2	.5000	10969

9" Flute, 12" Overall Length

SIZE	DEC. EQUIV.	EDP NO.
1/8	.1250	10904
5/32	.1562	10911
3/16	.1875	10918
7/32	.2188	10926
1/2	.2500	10931
9/16	.2812	10938
5/8	.3125	10944
11/16	.3438	10948
3/8	.3750	10954
13/32	.4062	10958

SIZE	DEC. EQUIV.	EDP NO.
7/16	.4375	10963
15/32	.4688	10983
1/2	.5000	10971
17/32	.5312	10974
9/16	.5625	10975
19/32	.5938	10977
5/8	.6250	10978
21/32	.6562	10301
11/16	.6875	10313
23/32	.7188	10302
3/4	.7500	10303

14" Flute, 18" Overall Length

SIZE	DEC. EQUIV.	EDP NO.
1/4	.2500	10653
9/32	.2812	10990
5/16	.3125	10945
11/32	.3438	10657
3/8	.3750	10955
13/32	.4062	10660
7/16	.4375	10964
15/32	.4688	10663

SIZE	DEC. EQUIV.	EDP NO.
1/2	.5000	10972
35/64	.5469	10667
39/64	.6094	10304
1 3/16	1.1875	10998

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S&D / Shank Drill Sets

High Speed Steel

Tap and Drill Kits

3 Series Available • NC, NF, Metric

ALL KITS INCLUDE

- 10 popular sized high speed steel hand taps.
- 10 popular sized high speed steel screw machine length drills.
- 128 page Machinist's Guide for Taps.
- Packaged in a durable plastic pouch.



List No. 8001

EDP NO. 37103		EDP NO. 37104		EDP NO. 37105	
SET NO. 103 – NC TAPS		SET NO. 104 – NF TAPS		SET NO. 105 – METRIC TAPS	
NC TAPS	DRILLS	NF TAPS	DRILLS	METRIC TAPS	DRILLS
#4-40	#44	#4-48	#43	M3 x 0.5	#40
#5-40	#39	#5-44	#38	M3.5 x 0.6	#33
#6-32	#36	#6-40	#34	M4 x 0.7	#30
#8-32	#30	#8-36	#29	M4.5 x 0.75	#26
#10-24	#25	#10-32	#21	M5 x 0.8	#19
$\frac{1}{4}$ -20	#7	$\frac{1}{4}$ -28	#3	M6 x 1	#9
$\frac{5}{16}$ -18	F	$\frac{5}{16}$ -24	I	M7 x 1	$\frac{15}{64}$
$\frac{3}{8}$ -16	$\frac{5}{16}$	$\frac{3}{8}$ -24	Q	M8 x 1.25	$\frac{17}{64}$
$\frac{7}{16}$ -14	U	$\frac{7}{16}$ -20	W	M10 x 1.5	Q
$\frac{1}{2}$ -13	$\frac{27}{64}$	$\frac{1}{2}$ -20	$\frac{29}{64}$	M12 x 1.75	Y

S & D Drill Sets

In metal indexed stand



List No. 8040 — 3-Flat Shanks (List No. 1424S)

List No. 8040R — Round Shanks (List No. 1424R)

SET NO.	PIECES PER SET	SIZE RANGE	8040 EDP NO.	8040R EDP NO.
33F	33	$\frac{1}{2}$ " to 1"	18111	—
33R		by 64ths	—	18112

S & D Drill Sets

In metal indexed case



List No. 8040 — 3-Flat Shanks (List No. 1424S)

List No. 8040R — Round Shanks (List No. 1424R)

SET NO.	PIECES PER SET	SIZE RANGE	8040 EDP NO.	8040R EDP NO.
20HD	8	$\frac{9}{16}$ - $\frac{5}{8}$ - $\frac{11}{16}$ - $\frac{3}{4}$	18110	—
20HR		$\frac{13}{16}$ - $\frac{7}{8}$ - $\frac{15}{16}$ - 1	—	18109

Taper Shank Drill Sets

In metal indexed case

High Speed Steel

List No. 8000 (List No. 1302)

SET NO.	PIECES PER SET	SIZE RANGE	EDP NO.
33HD	16	$\frac{33}{64}$ to $\frac{3}{4}$ by 64ths	18001
34HD		$\frac{49}{64}$ to 1 by 64ths	18002



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High Speed & Cobalt Drills

Speed & Feed Recommendations

High Speed Steel & Cobalt Drills Speed and Feed Recommendations

WORKPIECE MATERIAL	BRINELL HARDNESS BHN	SURFACE SPEED SFM	FEED PER REVOLUTION BY DRILL DIAMETER				
			1/8"	1/4"	1/2"	3/4"	1"
Low Carbon Steel 1018, 12L12, 1108, 1213	≤120	110	0.0030	0.0040	0.0080	0.0100	0.0110
Low & Medium Carbon Steel 1018, 1551, 11L44	120 - 250	65	0.0040	0.0060	0.0110	0.0130	0.0140
Medium Carbon and Alloyed Steel 1040, 1140, 4340, 8640	≤250	60	0.0030	0.0040	0.0080	0.0100	0.0110
Tool and Die Steels P20, A2, D2, H12	≤250	50	0.0030	0.0040	0.0080	0.0100	0.0110
Tool and Die Steels P20, A2, D2, H12	250 - 350	35	0.0020	0.0030	0.0060	0.0070	0.0080
Free Machining Stainless Steels 303, 410, 416, 440F	≤250	60	0.0040	0.0060	0.0110	0.0130	0.0140
Moderate Machining Stainless Steels 304, 316	≤300	45	0.0020	0.0030	0.0060	0.0070	0.0080
Difficult Machining Stainless Steels 17-4PH, 316L, AM350	≤300	20	0.0020	0.0030	0.0060	0.0070	0.0080
Cast Iron Soft Gray	≤160	105	0.0040	0.0060	0.0110	0.0130	0.0140
Cast Iron Gray	160 - 260	90	0.0040	0.0060	0.0110	0.0130	0.0140
Cast Iron Ductile	250	80	0.0030	0.0040	0.0080	0.0100	0.0110
Cast Iron Malleable	250 - 330	55	0.0020	0.0030	0.0060	0.0070	0.0080
Titanium Alloys Commercially Pure 99.0	110 - 170	90	0.0030	0.0040	0.0080	0.0100	0.0110
Titanium Alloys Ti-6Al-4V, ASTM B367 Grades C-3, C-4	≤250	50	0.0030	0.0040	0.0080	0.0100	0.0110
High Temperature Alloys Inconel, Hastelloy, Waspaloy	≤150	50	0.0030	0.0040	0.0080	0.0100	0.0110
High Temperature Alloys Inconel, Hastelloy, Waspaloy	150 - 250	20	0.0010	0.0020	0.0045	0.0060	0.0070
Aluminum Alloys 2025, 6061, A140, 514.0	≤150	325	0.0040	0.0060	0.0110	0.0130	0.0140
Copper Alloys Brass and Bronze	≤200	80	0.0040	0.0060	0.0110	0.0130	0.0140
Composites & Plastics	≤128	175	0.0020	0.0030	0.0060	0.0070	0.0080
Magnesium Alloys AZ80A, HM12A, AM60A, ZE41A	50 - 90	325	0.0040	0.0060	0.0110	0.0130	0.0140

NOTE: The speeds and feeds shown are suggested starting points only and may be increased or decreased depending on actual material and machining conditions. Start conservatively and increase speed and feed until drilling cycle is optimized.

To order: add prefix 00330 to each EDP number

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Solid Carbide Drills

Speed & Feed Recommendations

Solid Carbide Drills

Speed and Feed Recommendations

List No. 5374 Standard Length GP • List No. 5375 Screw Machine Length • List No. 5376 Straight Flute

Workpiece Material	Brinell Hardness (BHN)	Morse List No.	Surface Speed (SFM)	FEED PER REVOLUTION BY DRILL DIAMETER (IPR)			
				1/16"	1/8"	1/4"	1/2"
Low Carbon Steel 1018, 12L12, 1108, 1213	≤ 120	5374	250	0.0015	0.0030	0.0040	0.0080
		5375					
		5376					
Low & Medium Carbon Steel 1018, 1551, 11L44	120 - 250	5374	225	0.0020	0.0040	0.0060	0.0110
		5375					
		5376					
Medium Carbon and Alloyed Steel 1040, 1140, 4340, 8640	≤ 250	5374	200	0.0015	0.0030	0.0040	0.0080
		5375	150	0.0015	0.0030	0.0040	0.0080
		5376					
Tool and Die Steels P20, A2, D2, H12	≤ 250	5374	200	0.0015	0.0030	0.0040	0.0080
		5375					
		5376					
Tool and Die Steels P20, A2, D2, H12	250 - 350	5374	150	0.0010	0.0020	0.0030	0.0060
		5375	125	0.0010	0.0020	0.0030	0.0060
		5376	125	0.0010	0.0020	0.0030	0.0060
Hard Materials, Alloys, Tool Steels 40 Rockwell C and Higher	—	5374					
		5375					
		5376	60	0.0005	0.0010	0.0015	0.0020
Free Machining Stainless Steels 303, 410, 416, 440F	≤ 260	5374	100	0.0010	0.0020	0.0030	0.0060
		5375	100	0.0010	0.0020	0.0030	0.0060
		5376					
Moderate Machining Stainless Steels 304, 316	≤ 300	5374					
		5375	75	0.0010	0.0020	0.0030	0.0060
		5376	75	0.0010	0.0020	0.0030	0.0060
Difficult Machining Stainless Steels 17-4PH, 316L, AM350	≤ 450	5374					
		5375	60	0.0010	0.0020	0.0030	0.0060
		5376	60	0.0010	0.0020	0.0030	0.0060
Cast Iron - Soft Gray	≤ 160	5374	250	0.0015	0.0030	0.0040	0.0080
		5375	275	0.0020	0.0040	0.0060	0.0110
		5376	275	0.0015	0.0030	0.0040	0.0080
Cast Iron - Gray	160 - 260	5374	250	0.0015	0.0030	0.0040	0.0080
		5375	275	0.0020	0.0040	0.0060	0.0110
		5376	250	0.0015	0.0030	0.0040	0.0080
Cast Iron - Ductile	250	5374	180	0.0015	0.0030	0.0040	0.0080
		5375	180	0.0020	0.0040	0.0060	0.0110
		5376	175	0.0015	0.0030	0.0040	0.0080
Cast Iron - Malleable	250 - 330	5374	180	0.0015	0.0030	0.0040	0.0080
		5375	180	0.0020	0.0040	0.0060	0.0110
		5376	180	0.0015	0.0030	0.0040	0.0080
Titanium Alloys Commercially Pure 99.0	110 - 170	5374					
		5375	50	0.0005	0.0010	0.0020	0.0045
		5376	50	0.0005	0.0010	0.0020	0.0045
Titanium Alloys Ti-6Al-4V, ASTM B367 Grades C-3, C-4	≤ 250	5374					
		5375	50	0.0005	0.0010	0.0020	0.0045
		5376	50	0.0005	0.0010	0.0020	0.0045
High Temperature Alloys Inconel, Hastelloy, Waspaloy	150 - 250	5374					
		5375	60	0.0005	0.0010	0.0020	0.0045
		5376	60	0.0005	0.0010	0.0020	0.0045
Aluminum Alloys 2025, 6061, A140, 514.0	≤ 150	5374	350	0.0020	0.0040	0.0060	0.0110
		5375					
		5376					
Copper Alloys Brass and Bronze	≤ 200	5374	80	0.0020	0.0040	0.0060	0.0110
		5375					
		5376					
Composites & Plastics	≤ 128	5374	175	0.0010	0.0020	0.0030	0.0060
		5375					
		5376					
Magnesium Alloys AZ80A, HM12A, AM60A, ZE41A	50 - 90	5374	325	0.0020	0.0040	0.0060	0.0110
		5375					
		5376					

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Straight Shank Drills

High Speed Steel • 118° Notch Point

Car Reamers



High Speed Steel — Morse Taper Shank Right Hand Cut

Car reamers have same features as bridge reamers except for shorter flute and overall lengths, for use in tight quarters.

List No. 1700 Left Hand Helical Flutes

STANDARD PACKAGE All sizes — 1 each

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	POINT DIA.	EDP NO.
$\frac{3}{16}$	1	.3125	$2\frac{1}{4}$	$5\frac{5}{16}$	$\frac{1}{64}$	22691
$\frac{7}{16}$	2	.4375	$3\frac{1}{2}$	$6\frac{15}{16}$	$\frac{1}{4}$	22693
$\frac{1}{2}$	2	.5000	4	$7\frac{9}{16}$	$\frac{19}{64}$	22694
$\frac{5}{8}$	2	.6250	$4\frac{1}{2}$	$8\frac{1}{16}$	$\frac{5}{16}$	22696
$\frac{11}{16}$	3	.6875	$4\frac{1}{2}$	$8\frac{13}{16}$	$\frac{3}{8}$	22697
$\frac{3}{4}$	3	.7500	5	$9\frac{1}{2}$	$\frac{13}{32}$	22698

Construction Taper Reamers



High Speed Steel — Straight Shank Left Hand Helical Flute — Right Hand Cut

Construction reamers are especially adapted for heavy duty reaming in structural steel assemblies. They are tapered at the point to enter holes which are out of alignment.

Straight shank with stop collar to prevent the reamer from running through the hole.

List No. 1650 — 3-Flat Shank

Round shank with 3 flats to prevent slipping in the drill chuck

List No. 1650R — Round Shank

STANDARD PACKAGE All sizes — 1 each

SIZE	DEC. EQUIV.	SHANK DIA.	POINT DIA.	FLUTE LENGTH	OAL	NO. OF FLUTES	EDP NO.
$\frac{3}{8}$.3750	$\frac{3}{8}$.1645	$3\frac{5}{8}$	$5\frac{1}{4}$	5	21000
$\frac{7}{16}$.4375	$\frac{7}{16}$.1645	$3\frac{5}{8}$	$5\frac{1}{4}$	5	21001
$\frac{1}{2}$.5000	$\frac{1}{2}$.2340	$4\frac{3}{8}$	6	5	21002
$\frac{9}{16}$.5625	$\frac{1}{2}$.2920	5	$6\frac{5}{8}$	5	21003
$\frac{5}{8}$.6250	$\frac{1}{2}$.3520	5	$6\frac{5}{8}$	5	21004
$\frac{11}{16}$.6875	$\frac{1}{2}$.4140	$5\frac{3}{8}$	7	5	21005
$\frac{3}{4}$.7500	$\frac{1}{2}$.4770	$5\frac{3}{8}$	7	5	21006
$\frac{13}{16}$.8125	$\frac{1}{2}$.5400	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21009
$\frac{7}{8}$.8750	$\frac{1}{2}$.6020	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21007
$\frac{15}{16}$.9375	$\frac{1}{2}$.6450	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21010
1	1.0000	$\frac{1}{2}$.7270	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21008

List No. 1650 — 3-Flat Shank

List No. 1650R — Round Shank

SIZE	DEC. EQUIV.	SHANK DIA.	POINT DIA.	FLUTE LENGTH	OAL	NO. OF FLUTES	EDP NO.
$\frac{3}{8}$.3750	$\frac{3}{8}$.1645	$3\frac{5}{8}$	$5\frac{1}{4}$	5	21100
$\frac{7}{16}$.4375	$\frac{7}{16}$.1645	$3\frac{5}{8}$	$5\frac{1}{4}$	5	21101
$\frac{1}{2}$.5000	$\frac{1}{2}$.2340	$4\frac{3}{8}$	6	5	21102
$\frac{9}{16}$.5625	$\frac{1}{2}$.2920	5	$6\frac{5}{8}$	5	21103
$\frac{5}{8}$.6250	$\frac{1}{2}$.3520	5	$6\frac{5}{8}$	5	21104
$\frac{11}{16}$.6875	$\frac{1}{2}$.4140	$5\frac{3}{8}$	7	5	21105
$\frac{3}{4}$.7500	$\frac{1}{2}$.4770	$5\frac{3}{8}$	7	5	21106
$\frac{13}{16}$.8125	$\frac{1}{2}$.5400	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21109
$\frac{7}{8}$.8750	$\frac{1}{2}$.6020	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21107
$\frac{15}{16}$.9375	$\frac{1}{2}$.6450	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21110
1	1.0000	$\frac{1}{2}$.7270	$5\frac{3}{8}$	$7\frac{1}{4}$	5	21108

To order: add prefix 00330 to each EDP number



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Combo Drills & Countersinks

Bright Finish • 60° Included Angle

Combined Drills and Countersinks

High Speed Steel — Bright Finish 60° Included Angle

Often called "center drills." Designed for drilling center holes in the ends of work pieces to be held between standard 60° centers. Bell Type features an additional 120° chamfer at the body diameter to form a protected 60° center hole.

STANDARD PACKAGE	Plain Type & Bell Type All Sizes — 6 each	Long Plain Type 1 thru 3 — 6 each 4 thru 8 — 1 each
------------------	--	---

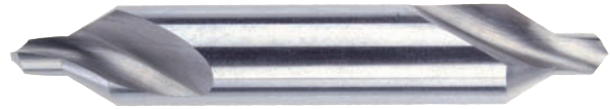
* Asterick items must be ordered in standard packs

List No. 1495 Plain Type

SIZE	DRILL DIA.	BODY DIA.	OAL	EDP NO.
3/0	.020	$\frac{1}{8}$	$1\frac{1}{4}$	25049*
2/0	.025	$\frac{1}{8}$	$1\frac{1}{4}$	25050*
0	1/32	$\frac{1}{8}$	$1\frac{1}{4}$	25051*
1	$\frac{3}{64}$	$\frac{1}{8}$	$1\frac{1}{4}$	25041*
2	$\frac{5}{64}$	$\frac{3}{16}$	$1\frac{7}{8}$	25042*
3	$\frac{7}{64}$	$\frac{1}{4}$	2	25043*
4	$\frac{1}{8}$	$\frac{5}{16}$	$2\frac{1}{8}$	25044*
4 $\frac{1}{2}$	9/64	3/8	2 1/2	25052*
5	$\frac{3}{16}$	$\frac{7}{16}$	$2\frac{3}{4}$	25045*
6	$\frac{7}{32}$	$\frac{1}{2}$	3	25046*
7	$\frac{1}{4}$	$\frac{5}{8}$	$3\frac{1}{4}$	25047*
8	$\frac{5}{16}$	$\frac{3}{4}$	$3\frac{1}{2}$	25048*

List No. 1499 Long Plain Type

SIZE	DRILL DIA.	BODY DIA.	OAL	EDP NO.
1	$\frac{3}{64}$	$\frac{1}{8}$	3	25010*
1	$\frac{3}{64}$	$\frac{1}{8}$	4	25011
1	$\frac{3}{64}$	$\frac{1}{8}$	5	25036*
1	$\frac{3}{64}$	$\frac{1}{8}$	6	25037*
2	$\frac{5}{64}$	$\frac{3}{16}$	3	25027*
2	$\frac{5}{64}$	$\frac{3}{16}$	4	25012*
2	$\frac{5}{64}$	$\frac{3}{16}$	5	25013*
2	$\frac{5}{64}$	$\frac{3}{16}$	6	25028*
3	$\frac{7}{64}$	$\frac{1}{4}$	3	25029*
3	$\frac{7}{64}$	$\frac{1}{4}$	4	25014*
3	$\frac{7}{64}$	$\frac{1}{4}$	5	25015*
3	$\frac{7}{64}$	$\frac{1}{4}$	6	25030*
4	$\frac{1}{8}$	$\frac{5}{16}$	4	25016*
4	$\frac{1}{8}$	$\frac{5}{16}$	5	25017*
4	$\frac{1}{8}$	$\frac{5}{16}$	6	25018*
4 $\frac{1}{2}$	9/64	3/8	4	25032*
4 $\frac{1}{2}$	9/64	3/8	5	25033*
4 $\frac{1}{2}$	9/64	3/8	6	25034*
5	$\frac{3}{16}$	$\frac{7}{16}$	4	25035*
5	$\frac{3}{16}$	$\frac{7}{16}$	5	25019*
5	$\frac{3}{16}$	$\frac{7}{16}$	6	25020*
6	$\frac{7}{32}$	$\frac{1}{2}$	5	25021*
6	$\frac{7}{32}$	$\frac{1}{2}$	6	25022*
7	$\frac{1}{4}$	$\frac{5}{8}$	6	25023*
8	$\frac{5}{16}$	$\frac{3}{4}$	6	25024*



List No. 1495 Plain Type



List No. 1498 Bell Type



List No. 1499 Long Plain Type

List No. 1498 Bell Type

SIZE	DRILL DIA.	BODY DIA.	OAL	EDP NO.
11	$\frac{3}{16}$	$\frac{1}{8}$	$1\frac{1}{4}$	25081*
12	$\frac{1}{16}$	$\frac{3}{16}$	$1\frac{7}{8}$	25082*
13	$\frac{3}{32}$	$\frac{1}{4}$	2	25083*
14	$\frac{7}{64}$	$\frac{5}{16}$	$2\frac{1}{8}$	25084*
15	$\frac{5}{32}$	$\frac{7}{16}$	$2\frac{3}{4}$	25085*
16	$\frac{3}{16}$	$\frac{1}{2}$	3	25086*
17	$\frac{7}{32}$	$\frac{5}{8}$	$3\frac{1}{4}$	25087*
18	$\frac{1}{4}$	$\frac{3}{4}$	$3\frac{1}{2}$	25088*

Combined Drill and Countersink Set

High Speed Steel

Includes Nos. 1, 2, 3, 4, and 5, Style 1495, Plain Type



List No. 8500

SIZE RANGE	SET NO.	EDP NO.
1-5	51H	25059

To order: add prefix 00330 to each EDP number



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Countersinks & Reamers

High Speed Steel

Carbide Single Flute Countersinks

For countersinking, chamfering, and deburring holes. Produces a smoother finish. Can be used when multi-flute countersinks chatter.

The 1/8 and 1/4 diameters are solid carbide. The larger diameters are brazed construction.

Carbide offers excellent wear resistance, heat resistance and rigidity. Recommended for abrasive materials, difficult-to-drill materials and increased tool life in production applications.



List No. 5752

STANDARD PACKAGE All sizes — 1 each

SIZE	SHANK DIA.	OAL	EDP NO.				
			60°	82°	90°	100°	120°
1/8	1/8	1 1/2	56101	56102	56103	56119	56120
1/4	1/4	2	56104	56105	56106	56121	56122
3/8	1/4	2	56107	56108	56109	56123	56124
1/2	1/4	2 1/2	56110	56111	56112	56125	56126
3/4	3/8	3	56113	56114	56115	56127	56128
1	1/2	3	56116	56117	56118	56129	56130

Center Reamers

High Speed Steel – 3-Flute Treated (Black Oxide)

Designed for countersinking holes for rivets, flat head screws and centers.

STANDARD PACKAGE All sizes — 1 each



List No. 1750

SIZE	SHANK DIA.	OAL	EDP NO.			
			60°	82°	90°	100°
1/4	1/4	2	23501	23502	23503	23504
3/8	1/4	2	23505	23506	23507	23508
1/2	3/8	2	23509	23510	23511	23512
5/8	3/8	2 1/4	23513	23514	23515	23516
3/4	1/2	2 3/4	23517	23518	23519	23520
1	1/2	2 3/4	23521	23522	23523	—

Carbide Three Flute Countersinks

For countersinking, chamfering, and deburring holes.

Three flutes allow higher feed rates than single flute countersinks and greater chip clearance than six flute countersinks.

The 1/8 and 1/4 diameters are solid carbide. The larger diameters are brazed construction.

Carbide offers excellent wear resistance, heat resistance and rigidity. Recommended for abrasive materials, difficult-to-drill materials and increased tool life in production applications.

STANDARD PACKAGE All sizes — 1 each



List No. 5753

SIZE	SHANK DIA.	OAL	EDP NO.				
			60°	82°	90°	100°	120°
1/8	1/8	1 1/2	56163	56171	56179	56187	56193
1/4	1/4	2	56164	56172	56180	56188	56194
3/8	1/4	2 1/2	56165	56173	56181	56189	56195
1/2	1/4	2 1/2	56166	56174	56182	56190	56196
3/4	3/8	3	56167	56175	56183	56191	56197
1	1/2	3	56168	56176	56184	56192	56198
1 1/4	3/4	3 1/2	56169	56177	56185	—	—
1 n1/2	3/4	3 1/2	56170	56178	56186	—	—



SIZE	SHANK DIA.	SHANK LENGTH	OAL	EDP NO.		
				60°	82°	90°
1/2	1/2	2 1/4	3 7/8	25551	25552	25561
5/8	1/2	2 1/4	4	25553	25554	—
3/4	1/2	2 1/4	4 1/4	25555	25556	25563
7/8	1/2	2 1/4	4 1/4	25557	25558	—
1	1/2	2 1/4	4 3/8	25559	25560	25565

Machine Countersinks

High Speed Steel – 4-Flute Treated (Black Oxide)

Designed primarily for countersinking holes. The longer shank length is ideal for use in turret lathes for screw machine work.

STANDARD PACKAGE All sizes — 1 each

List No. 1751

To order: add prefix 00330 to each EDP number



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Cap Screw Counterbores

High Speed Steel • 4-Flute

Cap Screw Counterbores High Speed Steel — Straight Shank — 4-Flute



List No. 1766

For producing counterbored clearance holes for the heads of socket head cap screws. Recommended for a wide range of material types.

STANDARD PACKAGE All sizes — 1 each

CUTTER DIA.	FOR CAP SCREW SIZE	PILOT TOLERANCE	PILOT DIA.	PILOT LENGTH	CUTTER DIA. FLUTE LENGTH	SHANK DIA.	OAL	EDP NUMBER
.183	4	Standard	.1120	1/8	9/16	.1562	3/8	25718
.215	4	+1/32 Over	.1430	1/8	9/16	.1562	3/8	25719
.205	5	Standard	.1250	5/32	5/8	.1875	4/8	25720
.237	5	+1/32 Over	.1560	5/32	5/8	.1875	4/8	25721
.227	6	Standard	.1380	3/16	3/4	.2188	4 5/8	25722
.259	6	+1/32 Over	.1690	3/16	3/4	.2188	4 5/8	25723
.270	8	Standard	.1640	7/32	3/4	.2500	5	25724
.302	8	+1/32 Over	.1950	7/32	3/4	.2500	5	25725
.312	10	Standard	.1900	1/4	7/8	.2812	5 1/4	25726
.344	10	+1/32 Over	.2210	1/4	7/8	.2812	5 1/4	25727
.380	1 1/4	Standard	.2500	9/32	1	.3125	5 5/8	25741
.412	1 1/4	+1/32 Over	.2810	9/32	1	.3125	5 5/8	25728
.474	5/16	Standard	.3125	5/16	1	.3750	6 1/8	25742
.504	5/16	+1/32 Over	.3430	5/16	1	.3750	6 1/8	25729
.569	3/8	Standard	.3750	3/8	1 1/4	.5000	6 1/2	25743
.601	3/8	+1/32 Over	.4060	3/8	1 1/4	.5000	6 1/2	25730
.661	7/16	Standard	.4370	7/16	1 1/4	.5000	7	25744
.691	7/16	+1/32 Over	.4680	7/16	1 1/4	.5000	7	25731
.755	1/2	Standard	.5000	1/2	1 1/2	.5000	7 1/2	25745
.787	1/2	+1/32 Over	.5310	1/2	1 1/2	.5000	7 1/2	25732
.969	5/8	Standard	.6250	5/8	1 1/2	.6250	7 5/8	25733
1.000	5/8	+1/32 Over	.6560	5/8	1 1/2	.6250	7 5/8	25734
1.156	3/4	Standard	.7500	3/4	1 5/8	.7500	7 3/4	25735
1.188	3/4	+1/32 Over	.7810	3/4	1 5/8	.7500	7 3/4	25736
1.344	7/8	Standard	.8750	7/8	1 7/8	.8750	8	25737
1.375	7/8	+1/32 Over	.9060	7/8	1 7/8	.8750	8	25738
1.531	1	Standard	1.0000	1	2	1.0000	8 1/2	25739
1.563	1	+1/32 Over	1.0310	1	2	1.0000	8 1/2	25740

List No. 1766 — Metric



CUTTER DIA.	FOR CAP SCREW SIZE	PILOT DIA.	PILOT LENGTH	CUTTER DIA. FLUTE LENGTH	SHANK DIA.	OAL	EDP NUMBER
.2362	3mm	.1377	5/32	5/8	.1875	4 1/8	25746
.2953	4mm	.1772	7/32	3/4	.2500	5	25747
.3543	5mm	.2165	9/32	1	.3125	5 5/8	25748
.4134	6mm	.2559	5/16	1	.3750	6 1/8	25749
.5315	8mm	.3346	3/8	1 1/4	.5000	6 1/2	25750
.6496	10mm	.4134	7/16	1 1/4	.5000	7	25751
.7283	12mm	.4921	1/2	1 1/2	.5000	7 1/2	25752
.9645	16mm	.6500	5/8	1 1/2	.6250	7 5/8	25754
1.2010	20mm	.8070	7/8	1 7/8	.8750	8	25756
1.4370	24mm	.9650	1	2	1.0000	8 1/2	25758

To order: add prefix 00330 to each EDP number



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Straight Flute Hand Taps

High Speed Steel • Ground Thread

Straight Flute Hand Taps

Ground Thread — High Speed Steel

Straight Flute hand taps are used for hand tapping and machine tapping in through holes or blind holes in a wide variety of materials.

Available in sets, taper (8-10 thread chamfer), plug (3-5 thread chamfer) or bottoming (1-2 thread chamfer).



List No. 2068 — Machine Screw

STANDARD PACKAGE All sizes — 12 each
Sets (Taper Plug Bottom)

SIZE	TPI		NO. OF FLUTES	PITCH DIA. LIMIT	THREAD LENGTH	OAL	EDP NO.			
	UNC	UNF					SETS	TAPER	PLUG	BOTTOM
0	—	80	2	H1	$\frac{5}{16}$	$1\frac{5}{8}$	33901	33601	33701	33801
1	64	—	2	H1	$\frac{3}{8}$	$1\frac{11}{16}$	33902	33602	33703	33803
	—	72	2	H1	$\frac{3}{8}$	$1\frac{11}{16}$	33903	33603	33705	33804
2	56	—	3	H1	$\frac{7}{16}$	$1\frac{3}{4}$	33904	33604	33707	33806
	—	64	3	H2	$\frac{7}{16}$	$1\frac{3}{4}$	33905	33606	33710	33809
3	48	—	3	H2	$\frac{1}{2}$	$1\frac{13}{16}$	33906	33607	33712	33810
	—	56	3	H2	$\frac{1}{2}$	$1\frac{13}{16}$	33907	33608	33714	33812
4	40	—	3	H2	$\frac{9}{16}$	$1\frac{7}{8}$	33909	33610	33716	33814
	—	48	3	H2	$\frac{9}{16}$	$1\frac{7}{8}$	33910	33611	33719	33816
	—	*36*	3	H2	$\frac{9}{16}$	$1\frac{7}{8}$	33911	33612	33720	33817
5	40	—	3	H2	$\frac{5}{8}$	$1\frac{5}{16}$	33912	33613	33722	33818
	—	44	3	H2	$\frac{5}{8}$	$1\frac{5}{16}$	33913	33614	33724	33820
6	32	—	3	H3	$\frac{11}{16}$	2	33916	33617	33728	33823
	—	40	3	H2	$\frac{11}{16}$	2	33917	33618	33732	33826
8	32	—	4	H3	$\frac{3}{4}$	$2\frac{1}{8}$	33920	33621	33736	33829
	—	36	4	H2	$\frac{3}{4}$	$2\frac{1}{8}$	33921	33622	33742	33835
10	24	—	4	H3	$\frac{7}{8}$	$2\frac{3}{8}$	33924	33625	33745	33838
	—	32	4	H3	$\frac{7}{8}$	$2\frac{3}{8}$	33927	33628	33753	33844
12	24	—	4	H3	$\frac{15}{16}$	$2\frac{3}{8}$	33928	33629	33758	33849
	—	28	4	H3	$\frac{15}{16}$	$2\frac{3}{8}$	33929	33630	33759	33850

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Straight Flute Hand Taps

High Speed Steel • Ground Thread

Straight Flute Hand Taps

Ground Thread — High Speed Steel

Straight Flute hand taps are used for hand tapping and machine tapping in through holes or blind holes in a wide variety of materials.

Available in sets or taper (8-10 thread chamfer), plug (3-5 thread chamfer), or bottoming (1-2 thread chamfer)



List No. 2046 Fractional

STANDARD PACKAGE 1/4" thru 1/2" — 12 each
9/16" thru 3/4" — 3 each
7/8" thru 1 1/2" — 1 each
Sets (Taper Plug Bottom)

SIZE	TPI		NO. OF FLUTES	PITCH DIA. LIMIT	THREAD LENGTH	OAL	SETS EDP NO.	TAPER	EDP NUMBER	
	UNC	UNF							PLUG	BOTTOM
1/4	20	—	4	H3	1	2 ¹ / ₂	32701	32303	32407	32605
	—	28	4	H3	1	2 ¹ / ₂	32702	32304	32414	32611
5/16	18	—	4	H3	1 ¹ / ₈	2 ²³ / ₃₂	32703	32305	32421	32617
	—	24	4	H3	1 ¹ / ₈	2 ²³ / ₃₂	32704	32306	32426	32621
3/8	16	—	4	H3	1 ¹ / ₄	2 ¹⁵ / ₁₆	32705	32307	32432	32626
	—	24	4	H3	1 ¹ / ₄	2 ¹⁵ / ₁₆	32706	32308	32438	32631
7/16	14	—	4	H3	1 ⁷ / ₁₆	3 ⁵ / ₃₂	32707	32309	32441	32633
	—	20	4	H3	1 ⁷ / ₁₆	3 ⁵ / ₃₂	32708	32310	32444	32635
1/2	13	—	4	H3	1 ²¹ / ₃₂	3 ³¹ / ₈	32709	32311	32449	32640
	—	20	4	H3	1 ²¹ / ₃₂	3 ³¹ / ₈	32710	32312	32453	32643
9/16	12	—	4	H3	1 ²¹ / ₃₂	3 ¹⁹ / ₃₂	32711	32313	32455	32644
	—	18	4	H3	1 ²¹ / ₃₂	3 ¹⁹ / ₃₂	32712	32314	32458	32645
5/8	11	—	4	H3	1 ¹³ / ₁₆	3 ¹³ / ₁₆	32713	32315	32461	32647
	—	18	4	H3	1 ¹³ / ₁₆	3 ¹³ / ₁₆	32714	32316	32464	32649

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Straight Flute Hand Taps

High Speed Steel • Ground Thread

Straight Flute Hand Taps

List No. 2046 Fractional

SIZE	UNC	TPI UNF	UNS	NO. OF FLUTES	PITCH			OAL	EDP NUMBER			
					DIA. LIMIT	THREAD LENGTH	SETS EDP NO.		TAPER	PLUG	BOTTOM	
11/16	—	—	11	4	H3	1 ¹³ / ₁₆	4 ¹ / ₃₂	32715	32317	32466	32651	
	—	—	16	4	H3	1 ¹³ / ₁₆	4 ¹ / ₃₂	32716	32318	32467	32652	
3/4	10	—	—	4	H3	2	4 ¹ / ₄	32717	32319	32469	32653	
	—	16	—	4	H3	2	4 ¹ / ₄	32718	32320	32473	32655	
	—	16	—	4	H5	2	4 ¹ / ₄	—	—	32474	32656	
7/8	9	—	—	4	H4	2 ⁷ / ₃₂	4 ¹¹ / ₁₆	32719	32321	32475	32657	
	—	14	—	4	H4	2 ⁷ / ₃₂	4 ¹¹ / ₁₆	32720	32322	32478	32658	
1	8	—	—	4	H4	2 ¹ / ₂	5 ¹ / ₈	32721	32323	32480	32659	
	—	12	—	4	H4	2 ¹ / ₂	5 ¹ / ₈	32722	32324	32482	32660	
	—	—	14	4	H4	2 ¹ / ₂	5 ¹ / ₈	32723	32325	32484	32661	
1 1/8	7	—	—	4	H4	2 ⁹ / ₁₆	5 ⁷ / ₁₆	32724	32326	32485	32662	
	—	12	—	4	H4	2 ⁹ / ₁₆	5 ⁷ / ₁₆	32725	32327	32486	32663	
1 1/4	7	—	—	4	H4	2 ⁹ / ₁₆	5 ³ / ₄	32726	32328	32487	32664	
	—	12	—	6	H4	2 ⁹ / ₁₆	5 ³ / ₄	32727	32329	32488	32665	
1 3/8	6	—	—	4	H4	3	6 ¹ / ₁₆	32728	32330	32489	32666	
	—	12	—	6	H4	3	6 ¹ / ₁₆	32729	32331	32490	32667	
1 1/2	6	—	—	4	H4	3	6 ³ / ₈	32730	32332	32491	32668	
	—	12	—	6	H4	3	6 ³ / ₈	32731	32333	32492	32669	

To order: add prefix 00330 to each EDP number



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Metric Straight Flute Hand Taps



List No. 7500

Metric Straight Flute Hand Taps Ground Thread — High Speed Steel

Straight Flute hand taps are used for hand tapping and machine tapping in through holes or blind holes in a wide variety of materials.

Available in sets or taper (8-10 thread chamfer), plug (3-5 thread chamfer), or bottoming (1-2 thread chamfer).

STANDARD M1.6 thru M12 — 12 each
PACKAGE M14 thru M16 — 3 each
M18 thru M39 — 1 each
Sets (Taper, Plug, Bottom)

SIZE	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	OAL	SETS		EDP NO. PLUG	BOTTOM
					EDP NO.	TAPER		
M1.6 × 0.35	D3	2	5/16	1 3/8	38200	38141	38016	38116
M1.8 × 0.35	D3	2	3/8	1 11/16	38201	38142	38017	38117
M2 × 0.4	D3	3	7/16	1 3/4	38203	38143	38018	38118
M2.2 × 0.45	D3	3	7/16	1 3/4	38204	38144	38019	38119
M2.5 × 0.45	D3	3	1/2	1 13/16	38205	38145	38001	38101
M3 × 0.5	D3	3	5/8	1 15/16	38206	38146	38002	38102
M3.5 × 0.6	D4	3	11/16	2	38207	38147	38003	38103
M4 × 0.7	D4	4	3/4	2 1/8	38208	38148	38004	38104
M4.5 × 0.75	D4	4	7/8	2 3/8	38209	38149	38005	38105
M5 × 0.8	D4	4	7/8	2 3/8	38210	38150	38006	38106
M6 × 1	D5	4	1	2 1/2	38211	38151	38007	38107
M7 × 1	D5	4	1 1/8	2 23/32	38212	38152	38008	38108
M8 × 1	D5	4	1 1/8	2 23/32	38213	38153	38020	38120
*M8 × 1.25	D5	4	1 1/8	2 23/32	38214	38154	38009	38109
M10 × 1.25	D5	4	1 1/4	2 15/16	38215	38155	38021	38121
*M10 × 1.5	D6	4	1 1/4	2 15/16	38216	38156	38010	38110
M12 × 1.25	D5	4	1 21/32	3 3/8	38217	38157	38022	38122
*M12 × 1.75	D6	4	1 21/32	3 3/8	38218	38158	38011	38111
M14 × 1.5	D6	4	1 21/32	3 19/32	38219	38159	38023	38123
*M14 × 2	D7	4	1 21/32	3 19/32	38220	38160	38012	38112
M16 × 1.5	D6	4	1 13/16	3 13/16	38221	38161	38024	38124
*M16 × 2	D7	4	1 13/16	3 13/16	38222	38162	38013	38113
M18 × 1.5	D6	4	1 13/16	4 1/32	38223	38163	38025	38125
*M18 × 2.5	D7	4	1 13/16	4 1/32	38224	38164	38014	38114
M20 × 1.5	D6	4	2	4 15/32	38225	38165	38026	38126
*M20 × 2.5	D7	4	2	4 15/32	38226	38166	38015	38115
M22 × 1.5	D6	4	2 7/32	4 11/16	38227	38167	38027	38127
*M22 × 2.5	D7	4	2 7/32	4 11/16	38228	38168	38028	38128
M24 × 2	D7	4	2 7/32	4 29/32	38229	38169	38029	38129
*M24 × 3	D8	4	2 7/32	4 29/32	38230	38170	38030	38130
M27 × 2	D7	4	2 1/2	5 1/8	38231	38171	38031	38131
*M27 × 3	D8	4	2 1/2	5 1/8	38232	38172	38032	38132
M30 × 2	D7	4	2 9/16	5 1/16	38233	38173	38033	38133
*M30 × 3.5	D9	4	2 9/16	5 1/16	38234	38174	38034	38134
M33 × 2	D7	6	2 9/16	5 3/4	38238	38178	38038	38138
*M33 × 3.5	D9	4	2 9/16	5 3/4	—	38175**	38035	—
M36 × 3	D8	4	3	6 1/16	38236	38176	38036	38136
*M36 × 4	D9	4	3	6 1/16	38237	38177	38037	38137
M39 × 3	D8	6	3 3/16	6 11/16	38239**	38179**	—	—
*M39 × 4	D9	6	3 3/16	6 11/16	—	38180**	38040**	38140**

Pitch diameters are those recommended for 6H class of thread.

**Designates course pitch

To order: add prefix 00330 to each EDP number



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Spiral Point Plug Taps

High Speed Steel • Ground Thread

Spiral Point Plug Taps

Ground Thread — High Speed Steel

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

Steam Oxide Surface Treatment increases wear resistance reduces friction, acts as a lubricant, reduces galling and chip welding, improves chip flow and increases tap lubricant retention. NOT RECOMMENDED FOR NON-FERROUS MATERIALS.



List No. 2047 Fractional Bright Finish



List No. 2047X Fractional Steam Oxide Treated

STANDARD PACKAGE 1/4" thru 1/2" — 12 each
9/16" thru 3/4" — 3 each

SIZE	TPI			NO. OF FLUTES		PITCH DIA. LIMIT	THREAD LENGTH	OAL	2047 EDP NO.	2047X EDP NO.
	UNC	UNF	STD.	OPTL.						
1/4	20	—	2	—	H3	1	2 ¹ / ₂	33003	33056	
	20	—	—	3	H3	1	2 ¹ / ₂	33005	—	
1/4	—	28	2	—	H3	1	2 ¹ / ₂	33009	33059	
5/16	18	—	2	—	H3	1 ¹ / ₈	2 ²³ / ₃₂	33015	33061	
	18	—	—	3	H3	1 ¹ / ₈	2 ²³ / ₃₂	33017	33063	
5/16	—	24	2	—	H3	1 ¹ / ₈	2 ²³ / ₃₂	33021	33066	
3/8	16	—	3	—	H3	1 ¹ / ₄	2 ¹⁵ / ₁₆	33027	33068	
3/8	—	24	3	—	H3	1 ¹ / ₄	2 ¹⁵ / ₁₆	33031	33070	
7/16	14	—	3	—	H3	1 ⁷ / ₁₆	3 ⁵ / ₃₂	33034	33071	
7/16	—	20	3	—	H3	1 ⁷ / ₁₆	3 ⁵ / ₃₂	33036	33073	
1/2	13	—	3	—	H3	1 ²¹ / ₃₂	3 ³ / ₈	33040	33075	
1/2	—	20	3	—	H3	1 ²¹ / ₃₂	3 ³ / ₈	33044	33077	
5/8	11	—	3	—	H3	1 ¹³ / ₁₆	3 ¹³ / ₁₆	33046	33079	
	—	18	3	—	H3	1 ¹³ / ₁₆	3 ¹³ / ₁₆	33050	33081	
3/4	10	—	3	—	H3	2	4 ¹ / ₄	33048	33082	
	—	16	3	—	H3	2	4 ¹ / ₄	33052	33084	

To order: add prefix 00330 to each EDP number



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Straight Pipe Taps/Taper Pipe Taps

Straight Pipe Taps

Ground Thread — High Speed Steel NPS/NPSF

NPS straight pipe taps produce straight pipe threads for low pressure applications in a wide variety of materials. Can be assembled with taper pipe threads, straight pipe threads or fittings. Assembly requires the use of a thread sealant to ensure a tight seal.

NPSF Dryseal straight pipe taps produce threads where a tight seal is achieved during assembly by metal-to-metal contact when assembled with dryseal taper pipe threads. Used for applications requiring a tight seal without the use of thread sealants.

SIZE	NUMBER OF FLUTES	THREAD LENGTH	OAL	NPS	EDP NO.	NPSF
$\frac{1}{8}$ -27* (Sm. Sk.)	4	$\frac{3}{4}$	$2\frac{1}{8}$	36161		36181
$\frac{1}{8}$ -27* (Lg. Sk.)	4	$\frac{3}{4}$	$2\frac{1}{8}$	36162		36182
$\frac{1}{4}$ -18	4	$1\frac{1}{16}$	$2\frac{7}{16}$	36163		36183
$\frac{3}{8}$ -18	4	$1\frac{1}{16}$	$2\frac{9}{16}$	36164		36184
$\frac{1}{2}$ -14	4	$1\frac{3}{8}$	$3\frac{1}{8}$	36165		36185
$\frac{3}{4}$ -14	5	$1\frac{3}{8}$	$3\frac{1}{4}$	36166		36186
1-11 $\frac{1}{2}$	5	$1\frac{3}{4}$	$3\frac{3}{4}$	36167		—

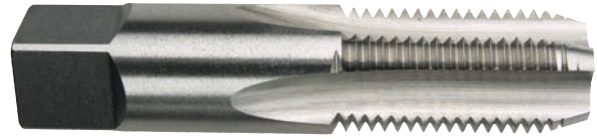
*Large shank furnished unless otherwise specified.

Taper Pipe Taps For Cast Iron Ground Thread — High Speed Steel NPT

Taper pipe taps for Cast Iron feature specific geometry and a wear resistant surface finish for tapping materials that produce small or powdery chips. Recommended for cast iron, cast brass and other brass materials and non-metals that produce small or powdery chips. Assembly requires the use of a thread sealant to ensure a tight seal.

Furnished with 2-3 $\frac{1}{2}$ thread chamfer in NPT thread form
1°-3° Rake.

SIZE	THREAD LENGTH	OAL	NO. OF FLUTES	NPT EDP NO.
$\frac{1}{8}$ -27 (Lg. Sk.)	$\frac{3}{4}$	$2\frac{1}{8}$	4	36202
$\frac{1}{4}$ -18	$1\frac{1}{16}$	$2\frac{7}{16}$	4	36203
$\frac{3}{8}$ -18	$1\frac{1}{16}$	$2\frac{9}{16}$	4	36204
$\frac{1}{2}$ -14	$1\frac{3}{8}$	$3\frac{1}{8}$	4	36205
$\frac{3}{4}$ -14	$1\frac{3}{8}$	$3\frac{1}{4}$	5	36206



List No. 2123

STANDARD PACKAGE $\frac{1}{8}$ " thru $\frac{1}{4}$ " — 6 each
 $\frac{3}{8}$ " thru 1" — 1 each

Furnished in Plug style chamfer only. NPS also suitable for NPSC or NPSM work.



List No. 2133 Surface Treated

STANDARD PACKAGE $\frac{1}{8}$ " thru $\frac{1}{4}$ " — 6 each
 $\frac{3}{8}$ " thru 2" — 1 each

SIZE	THREAD LENGTH	OAL	NO. OF FLUTES	NPT EDP NO.
1-11 $\frac{1}{2}$	$1\frac{3}{4}$	$3\frac{3}{4}$	5	36207
$1\frac{1}{4}$ -11 $\frac{1}{2}$	$1\frac{3}{4}$	4	5	36208
$1\frac{1}{2}$ -11 $\frac{1}{2}$	$1\frac{3}{4}$	$4\frac{1}{4}$	7	36209
2-11 $\frac{1}{2}$	$1\frac{3}{4}$	$4\frac{1}{2}$	7	36210

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Combined Tap & Drill/ Nut Taps

High Speed Steel • Long Chamfer



Combined Tap and Drill High Speed Steel

Combined Tap and Drills drill and tap in a single pass for increased productivity. Recommended for through hole applications up to 2X the nominal diameter of the tap. The self-centering point eliminates the need for center drilling or center punching. NOTE: Drill point must penetrate the workpiece prior to start of tapping.

List No. 2080 — Machine Screw, Fractional & Metric

STANDARD PACKAGE 4-40 — 3/8-24 — 12 ea.
7/16 — 3 ea.
1/2 — 1 ea.

List No. 2080 — Machine Screw & Fractional

TAP SIZE	UNC	TPI	UNF	THREAD LENGTH	DRILL SIZE	DRILL LENGTH	OAL	EDP NO. PLUG
4	—	—	48	3/8	.0945	1/4	1 7/8	38601
5	40	—	—	13/32	.1040	9/32	1 15/16	38602
	—	—	44	13/32	.1060	9/32	1 15/16	38603
6	32	—	—	7/16	.1115	5/16	2	38604
	—	—	40	7/16	.1170	5/16	2	38605
8	32	—	—	1/2	.1375	3/8	2 1/8	38606
	—	—	36	1/2	.1405	3/8	2 1/8	38607
10	24	—	—	5/8	.1545	13/32	2 3/8	38608
	—	—	32	5/8	.1635	13/32	2 3/8	38609
12	24	—	—	21/32	.1805	15/32	2 3/8	38610
	—	—	28	21/32	.1860	15/32	2 3/8	38611
1/4	20	—	—	25/32	.2080	17/32	2 1/2	38612
	—	—	28	25/32	.2220	17/32	2 1/2	38613
5/16	18	—	—	15/16	.2660	1 1/16	2 27/32	38614
	—	—	24	15/16	.2770	1 1/16	2 27/32	38615
3/8	16	—	—	1 1/16	.3225	13/16	3 3/8	38616
	—	—	24	1 1/16	.3395	13/16	3 3/8	38617
7/16	14	—	—	1 1/4	.3770	1	3 3/4	38618
	—	—	20	1 1/4	.3955	1	3 3/4	38619
1/2	13	—	—	1 3/8	.4350	1 1/8	4 1/16	38620
	—	—	20	1 3/8	.4580	1 1/8	4 1/16	38621

List No. 2080 — Metric

TAP SIZE	THREAD LENGTH	DRILL SIZE	DRILL LENGTH	OAL	EDP NO.
M4 × 0.7	1/2	.1340	3/8	2 1/8	38622
M5 × 0.8	5/8	.1700	13/32	2 3/8	38623
M6 × 1	25/32	.2030	17/32	2 1/2	38624
M8 × 1.25	15/16	.2730	11/16	2 27/32	38625
M10 × 1.5	1 1/16	.3440	13/16	3 3/8	38626
M12 × 1.75	1 3/8	.4140	1 1/8	4 1/16	38627

Nut Taps

Ground Thread – High Speed Steel Long Chamfer – H3 Pitch Dia. Limit

Nut taps feature a long thread length, a long chamfer and a long reduced shank smaller than the minor diameter of the thread. They were originally designed for threading hex nuts with the finished nuts collecting on the shank until unloaded. The long chamfer spreads the cutting load over a larger area and helps to center the threads. The reduced shank also enhances chip removal and workpiece clearance.



List No. 2052

STANDARD PACKAGE All sizes — 1 each

SIZE	TPI UNC	NO. OF FLUTES	THREAD LENGTH	OAL	EDP NO.
1/4	20	4	1 5/8	5	33176
5/16	18	4	1 3/16	5 1/2	33177
3/8	16	4	2	6	33178
1/2	13	4	2 1/2	7	33179

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Adjustable Round Split Dies

High Speed Steel

Adjustable Round Split Dies High Speed Steel

Adjustable Round Split dies use a set screw for adjustment of the thread size for precision threading applications.

High Speed Steel dies recommended for longer tool life.

THICKNESS

13/16" O.D., 1/4" Thick
1" O.D., 3/8" Thick
1 1/2" O.D., 1/2" Thick
2" O.D., 5/8" Thick



List No. 2190 Machine Screw List No. 2195 Fractional List No. 2195M Metric

STANDARD PACKAGE All sizes — 1 each

List No. 2190 Machine Screw

SIZE	TPI		13/16 O.D. EDP NO.	1" O.D. EDP NO.
	UNC	UNF		
5	40	—	31501	—
	—	44	31502	—
6	32	—	31503	31511
	—	40	31504	—
8	32	—	31505	31512

SIZE	TPI		13/16 O.D. EDP NO.	1" O.D. EDP NO.
	UNC	UNF		
8	—	36	31506	—
10	24	—	31507	31513
	—	32	31508	31514
12	24	—	31509	31515
	—	28	31510	—

List No. 2195 Fractional

SIZE	TPI		13/16 O.D. EDP NO.	1" O.D. EDP NO.	1-1/2" O.D. EDP NO.	2" O.D. EDP NO.
	UNC	UNF				
1/4	20	—	31526	31530	31538	—
	—	28	31527	31531	31539	—
5/16	18	—	31528	31532	31540	—
	—	24	31529	31533	31541	—
3/8	16	—	—	31534	31542	—
	—	24	—	31535	31543	—
7/16	14	—	—	31536	31544	—
	—	20	—	31537	31545	—
1/2	13	—	—	—	31546	—
	—	20	—	—	31547	—
9/16	12	—	—	—	31548	—
	—	18	—	—	31549	—
5/8	11	—	—	—	31550	31552
	—	18	—	—	31551	31553
3/4	10	—	—	—	—	31554
	—	16	—	—	—	31555
7/8	9	—	—	—	—	31556
	—	14	—	—	—	31557

List No. 2195M Metric

SIZE	13/16 O.D. EDP NO.	1" O.D. EDP NO.	SIZE	1" O.D. EDP NO.	1-1/2" O.D. EDP NO.
M2.5 × 0.45	31560	—	M8 × 1.25	31569	—
M3 × 0.5	31561	—	M10 × 1.5	31570	—
M3.5 × 0.6	31562	—	M12 × 1.75	31571	—
M4 × 0.7	31563	—	M14 × 2	—	31572
M4.5 × 0.75	31564	—	M16 × 2	—	31573
M5 × 0.8	31565	—	M18 × 2.5	—	31574
M6 × 1	31566	31567	M20 × 2.5	—	31575
M7 × 1	—	31568			

To order: add prefix 00330 to each EDP number



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Hexagon Rethreading Dies

Carbon Steel



Hexagon Rethreading Dies

Carbon Steel

Hexagon Rethreading dies are used in repair and maintenance applications to repair existing bruised or rusty threads. They are not recommended for cutting new threads.

STANDARD PACKAGE All sizes — 1 each

SIZE	UNC	TPI	UNF	UNS	DIMENSIONS		EDP NO.
					ACROSS FLATS	THICKNESS	
1/4	20	—	—	—	19/32	1/4	31301
	—	28	—	—	19/32	1/4	31302
5/16	18	—	—	—	11/16	5/16	31303
	—	24	—	—	11/16	5/16	31304
3/8	16	—	—	—	25/32	3/8	31305
	—	24	—	—	25/32	3/8	31306
7/16	14	—	—	—	7/8	7/16	31307
	—	20	—	—	7/8	7/16	31308
1/2	13	—	—	—	1 1/16	1/2	31309
	—	20	—	—	1 1/16	1/2	31310
9/16	12	—	—	—	1 1/16	1/2	31311
	—	18	—	—	1 1/16	1/2	31312
5/8	11	—	—	—	1 1/4	5/8	31313
	—	18	—	—	1 1/4	5/8	31314
1 1/16	—	—	—	11	1 7/16	3/4	31315
	—	—	—	16	1 7/16	3/4	31316

- List No. 1266 Fractional
- List No. 1266M Metric
- List No. 1267 Taper Pipe — NPT

SIZE	UNC	TPI	UNF	UNS	DIMENSIONS		EDP NO.
					ACROSS FLATS	THICKNESS	
3/4	10	—	—	—	1 7/16	3/4	31317
	—	16	—	—	1 7/16	3/4	31318
7/8	9	—	—	—	1 5/8	7/8	31319
	—	14	—	—	1 5/8	7/8	31320
1	8	—	—	—	1 13/16	1	31321
	—	12	—	—	1 13/16	1	31322
	—	—	14	—	1 13/16	1	31323
1 1/8	7	—	—	—	2	1	31324
	—	12	—	—	2	1	31325
1 1/4	7	—	—	—	2 3/16	1	31326
	—	12	—	—	2 3/16	1	31327
1 3/8	6	—	—	—	2 3/8	1	31328
	—	12	—	—	2 3/8	1	31329
1 1/2	6	—	—	—	2 9/16	1	31330
	—	12	—	—	2 9/16	1	31331

List No. 1266M Metric

SIZE	DIMENSIONS		EDP NO.
	ACROSS FLATS	THICKNESS	
M5 × 0.8	19/32	1/4	31340
M6 × 1	19/32	1/4	31341
M8 × 1.25	11/16	5/16	31342
M10 × 1.5	7/8	7/16	31343
M12 × 1.75	1 1/16	1/2	31344
M14 × 2	1 1/16	1/2	31345
M16 × 2	1 1/4	5/8	31346
M20 × 2.5	1 5/8	7/8	31347

List No. 1267 Taper Pipe — NPT

SIZE	TPI	DIMENSIONS		EDP NO.
		ACROSS FLATS	THICKNESS	
1/8	27	1 1/16	3/8	31332
1/4	18	1 1/4	5/8	31333
3/8	18	1 7/16	5/8	31334
1/2	14	1 5/8	3/4	31335
3/4	14	2	13/16	31336
1	11 1/2	2 3/8	1	31337

Hexagon Rethreading Die Sets

Carbon Steel



List No. 7200

EDP NO. 37021	EDP NO. 37022	EDP NO. 37023	
SET NO. 194	SET NO. 195	SET NO. 200	
UNC	UNF	UNC	UNF
1/4 - 20	1/4 - 28	1/4 - 20	1/4 - 28
5/16 - 18	5/16 - 24	5/16 - 18	5/16 - 24
3/8 - 16	3/8 - 24	3/8 - 16	3/8 - 24
7/16 - 14	7/16 - 20	7/16 - 14	7/16 - 20
1/2 - 13	1/2 - 20	1/2 - 13	1/2 - 20
9/16 - 12	9/16 - 18	9/16 - 12	9/16 - 18
5/8 - 11	5/8 - 18	5/8 - 11	5/8 - 18
3/4 - 10	3/4 - 16	3/4 - 10	3/4 - 16
7/8 - 9	7/8 - 14	7/8 - 9	7/8 - 14
1 - 8	1 - 12	1 - 8	1 - 12

To order: add prefix 00330 to each EDP number



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Tap & Drill Kits/T-Handle Taps

High Speed Steel

Tap and Drill Kits

3 Series Available • NC, NF, Metric

ALL KITS INCLUDE

- 10 popular sized high speed steel hand taps.
- 10 popular sized high speed steel screw machine length drills.
- 128 Page Machinist's Guide for Taps.
- Packaged in a durable plastic pouch.



List No. 8001

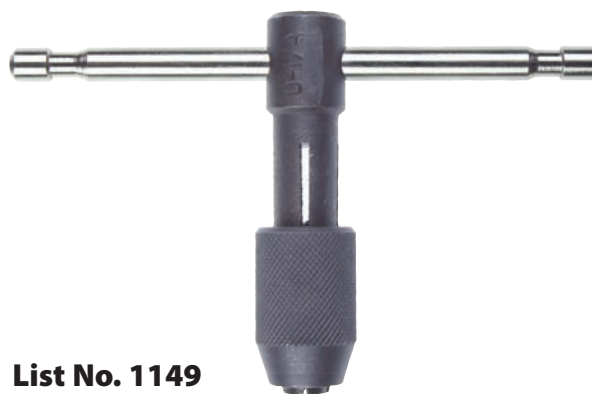
EDP NO. 37103		EDP NO. 37104		EDP NO. 37105	
SET NO. 103 NC TAPS		SET NO. 104 NF TAPS		SET NO. 105 METRIC TAPS	
UNC TAPS	DRILLS	UNF TAPS	DRILLS	METRIC TAPS	DRILLS
#4-40	#44	#4-48	#43	M3 x 0.5	#40
#5-40	#39	#5-44	#38	M3.5 x 0.6	#33
#6-32	#36	#6-40	#34	M4 x 0.7	#30
#8-32	#30	#8-36	#29	M4.5 x 0.75	#26
#10-24	#25	#10-32	#21	M5 x 0.8	#19
$\frac{1}{4}$ -20	#7	$\frac{1}{4}$ -28	#3	M6 x 1	#9
$\frac{5}{16}$ -18	F	$\frac{5}{16}$ -24	I	M7 x 1	$\frac{15}{64}$
$\frac{3}{8}$ -16	$\frac{5}{16}$	$\frac{3}{8}$ -24	Q	M8 x 1.25	$\frac{17}{64}$
$\frac{7}{16}$ -14	U	$\frac{7}{16}$ -20	W	M10 x 1.5	Q
$\frac{1}{2}$ -13	$\frac{27}{64}$	$\frac{1}{2}$ -20	$\frac{29}{64}$	M12 x 1.75	Y

"T" Handle Tap Wrenches

Holds tap sizes indicated and also can be used for driving screw extractors. Split jaw construction gives a positive holding grip enhancing its use for hand operations encompassing light drilling and reaming as well.

Sliding handle with spring tension stop. May be extended for more leverage. Has positive grip knurled nut.

STANDARD PACKAGE All sizes — 1 each



List No. 1149

WRENCH NO.	INCH	TAPS CAPACITY METRIC	EDP NO.
2	0- $\frac{1}{4}$	M1.5-M6.3	30522
4	$\frac{1}{4}$ - $\frac{1}{2}$	M6.3-M12.5	30524

To order: add prefix 00330 to each EDP number



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Tap Wrenches & Die Stocks

High Speed Steel • Carbon Steel

Tap Wrenches



WRENCH NO.	CAPACITY CUTTING SIZE			EDP NO.
	FRACTIONAL TAPS	PIPE TAPS	REAMERS	
11	$\frac{1}{16} - \frac{1}{4}$		$\frac{1}{8} - \frac{17}{64}$	30501
12	$\frac{1}{16} - \frac{3}{8}$		$\frac{1}{8} - \frac{25}{64}$	30502
13	$\frac{5}{32} - \frac{1}{2}$	$\frac{1}{8}$	$\frac{11}{64} - \frac{7}{16}$	30503
14	$\frac{5}{32} - \frac{3}{4}$	$\frac{1}{8} - \frac{1}{4}$	$\frac{11}{64} - \frac{41}{64}$	30504
15	$\frac{1}{4} - \frac{1}{2}$	$\frac{1}{8} - \frac{3}{4}$	$\frac{9}{32} - \frac{29}{32}$	30505

STANDARD PACKAGE All sizes — 1 each

List No. 1148

Die Stocks



DIE STOCK NO.	CAPACITY			EDP NO.
	DIE O.D.	DIE THICKNESS		
2	$\frac{13}{16}$	$\frac{1}{4}$		30512
3	1	$\frac{3}{8}$		30513
5	$1\frac{1}{2}$	$\frac{1}{2}$		30514
6	2	$\frac{5}{8}$		30515
7	$2\frac{1}{2}$	$\frac{3}{4}$		30516
8	3	1		30517

STANDARD PACKAGE All sizes — 1 each

List No. 1179

Tap and Die Sets

Fractional Sizes

Taps — Plug No. 2046 — HSS

Dies — Round Adjustable No. 1195 — Carbon Steel



SET NO.	FRACTIONAL SIZES		TOOL NUMBER			EDP NO.
	UNC	UNF	TAP WRENCH	DIE STOCK	DIE O.D.	
100*	$\frac{1}{4} - 20$	$\frac{1}{4} - 28$	13	3	1"	37001*
	$\frac{5}{16} - 18$	$\frac{5}{16} - 24$				
	$\frac{3}{8} - 16$	$\frac{3}{8} - 24$				
	$\frac{7}{16} - 14$	$\frac{7}{16} - 20$				
	$\frac{1}{2} - 13$	$\frac{1}{2} - 20$				
101	$\frac{9}{16} - 12$	$\frac{9}{16} - 18$	15	6	2"	37002
	$\frac{5}{8} - 11$	$\frac{5}{8} - 18$				
	$\frac{3}{4} - 10$	$\frac{3}{4} - 16$				
	$\frac{7}{8} - 9$	$\frac{7}{8} - 14$				
	1-8	1-12				

List No. 7120

* Supplied with T-Handle tap wrench (not straight tap wrench).

Tap and Die Set Machine Screw Sizes

Taps — Plug No. 2068 — HSS

Dies — Round Adjustable No. 1190 — Carbon Steel



SET NO.	MACHINE SCREW SIZES	DIE O.D.	TOOL NUMBER			EDP NO.
			TAP WRENCH	DIE STOCK		
31*	2-56, 3-48, 4-40, 5-40, 6-32, 8-32	$\frac{13}{16}$ "	11	2		37011*
	10-24, 10-32, 12-24					

List No. 7130

* Supplied with T-Handle tap wrench (not straight tap wrench).

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Tap Drill Sizes

Tap Drills • Metric Tap Drills • Pipe Tap Drills

TAP DRILL SIZES			METRIC TAP DRILL SIZES		
TAP SIZE	Cutting Taps based on approx. 75% thread CUTTING TAP DRILL SIZE	Forming Taps based on approx. 65% thread FORMING TAP DRILL SIZE	TAP SIZE	Cutting Taps based on approx. 75% thread CUTTING TAP DRILL SIZE	Forming Taps based on approx. 65% thread FORMING TAP DRILL SIZE
0-80	3/64	No. 54	M1.6 x 0.35	1.25mm	1.45mm
1-64	No. 53	1.65mm	M1.8 x 0.35	1.45mm	1/16
1-72	No. 53	1.7mm	M2 x 0.4	1.60mm	No. 49
2-56	No. 50	5/64	M2.2 x 0.45	1.75mm	No. 42
2-64	No. 50	2.0mm	M2.5 x 0.45	2.05mm	No. 41
3-48	No. 47	No. 43	M3 x 0.5	2.5mm	No. 34
3-56	No. 46	2.3mm	M3.5 x 0.6	2.9mm	3.3mm
4-40	No. 43	No. 39	M4 x 0.7	3.3mm	3.7mm
4-48	No. 42	2.6mm	M4.5 x 0.75	3.75mm	4.2mm
5-40	No. 39	No. 33	M5 x 0.8	No. 19	No. 13
5-44	No. 38	2.9mm	M6 x 1	5mm	No. 2
6-32	No. 36	1/8	M7 x 1	6mm	6.5mm
6-40	No. 33	3.2mm	M8 x 1.25	H	M
8-32	No. 29	No. 25	M8 x 1	J	19/64
8-36	No. 29	No. 24	M10 x 1.5	8.5mm	U
10-24	No. 25	11/64	M10 x 1.25	8.75mm	9.5mm
10-32	No. 21	No. 16	M12 x 1.75	13/32	7/16
12-24	No. 17	5mm	M12 x 1.25	10.75mm	11.5mm
12-28	No. 15	No. 8	M14 x 2	12mm	33/64
1/4-20	No. 7	No. 1	M14 x 1.5	12.5mm	17/32
1/4-28	No. 3	A	M16 x 2	14mm	19/32
5/16-18	F	7.3mm	M16 x 1.5	14.5mm	39/64
5/16-24	I	M	M18 x 2.5	15.5mm	17mm
3/8-16	5/16	S	M18 x 1.5	16.5mm	11/16
3/8-24	Q	T	M20 x 2.5	17.5mm	18.75mm
7/16-14	U	13/32	M20 x 1.5	18.5mm	49/64
7/16-20	W	10.5mm	M22 x 2.5	19.5mm	21mm
1/2-13	27/64	11.8mm	M22 x 1.5	20.5mm	27/32
1/2-20	29/64	12mm	M24 x 3	53/64	57/64
9/16-12	31/64	17/32	M24 x 2	22mm	* Reaming Recommended
9/16-18	33/64	13.5mm	M27 x 3	24mm	
5/8-11	17/32	14.75mm	M27 x 2	63/64	
5/8-18	37/64	15.25mm	M30 x 3.5	1-3/64*	
3/4-10	21/32	45/64	M30 x 2	1-7/64*	
3/4-16	11/16	23/32	M33 x 3.5	1-11/64*	
7/8-9	49/64		M33 x 2	31mm*	
7/8-14	13/16		M36 x 4	32mm*	
1-8	7/8		M36 x 3	33mm*	
1-12	59/64		M39 x 4	35mm*	
1-14	15/16		M39 x 3	36mm*	

PIPE TAP DRILL SIZES				
TAP SIZE	NPT** TAP DRILL SIZE	NPTF** TAP DRILL SIZE	NPS TAP DRILL SIZE	NPSF TAP DRILL SIZE
1/16	D	C	1/4	D
1/8	R	Q	S	R
1/4	7/16	7/16	29/64	7/16
3/8	37/64	9/16	19/32	37/64
1/2	23/32	45/64	47/64	45/64
3/4	59/64	29/32	15/16	59/64
1	1-5/32	1-9/64	1-3/16	1-5/32
1-1/4	1-1/2	1-31/64	1-33/64	**For tapping without reaming
1-1/2	1-47/64	1-23/32	1-3/4	
2	2-7/32	2-3/16	2-7/32	
2-1/2	2-5/8	2-39/64	2-21/32	
3	3-1/4	3-15/64		

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Single End Mills

2-Flute • Long Length

2-Flute Long Length Single End Mills

High Speed Steel & M42 8% Cobalt

Bright Finish & TiN Coated

Center Cutting

2-Flute end mills provide increased chip capacity and are recommended for milling slots, keyways and pockets. Center Cutting end allows for plunge cutting like a drill into solid material.

Long Length end mills provide a longer length of cut for deeper milling applications

M42 8% Cobalt offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and long life in production applications.

Titanium Nitride (TiN) Coating is an excellent coating for machining a wide variety of materials at greatly increased speeds and feeds. TiN coating increases tool surface hardness, lubricity, and heat resistance and resists chip welding.



List No. 4599
List No. 4599G
List No. 4584

High Speed Steel
High Speed Steel TiN Coated
M42 8% Cobalt

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	4599 High Speed Steel EDP NO.	4599G High Speed Steel TIN COATED EDP NO.	4584 COBALT EDP NO.
3/16	.1875	3/8	1 1/4	3 1/16	43001	96200	—
7/32	.2188	3/8	1 1/4	3 1/16	43002	—	—
1/4	.2500	3/8	1 1/4	3 1/16	43003	96201	—
9/32	.2812	3/8	1 3/8	3 1/8	43005	—	—
5/16	.3125	3/8	1 3/8	3 1/8	43006	96202	—
11/32	.3438	3/8	1 1/2	3 1/4	43007	—	—
3/8	.3750	3/8	1 1/2	3 1/4	44601	96203	45370
13/32	.4062	1/2	1 3/4	3 3/4	43008	—	—
7/16	.4375	1/2	1 3/4	3 3/4	43009	96204	—
15/32	.4688	1/2	2	4	43010	—	—
1/2	.5000	1/2	2	4	44602	96205	45371
9/16	.5625	5/8	2	4 1/8	43011	—	—
5/8	.6250	5/8	2	4 1/8	44603	96206	45372
11/16	.6875	3/4	2 1/4	4 1/2	43012	—	—
3/4	.7500	3/4	2 1/4	4 1/2	44604	96207	45373
13/16	.8125	7/8	2 1/2	4 3/4	43013	—	—
7/8	.8750	7/8	2 1/2	4 3/4	44605	96208	—
15/16	.9375	1	3	5 1/2	43014	—	—
1	1.0000	1	3	5 1/2	44606	96209	45374
1 1/8	1.1250	1	3	5 1/2	44607	—	—
1 1/4	1.2500	1	3	5 1/2	44608	—	—
1 1/4	1.2500	1 1/4	3	5 1/2	44609	—	—
1 3/8	1.3750	1	3	5 1/2	44610	—	—
1 1/2	1.5000	1 1/4	3	5 1/2	44611	—	—
1 3/4	1.7500	1 1/4	3	5 1/2	44613	—	—
2	2.0000	1 1/4	3	5 1/2	44615	—	—

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Single End Mills

2-Flute • Extended Length

2-Flute Extended Length Single End Mills

**High Speed Steel & M42 8% Cobalt
Bright Finish & TiN Coated
Center Cutting**

2-Flute end mills provide increased chip capacity and are recommended for milling slots, keyways and pockets. Center Cutting end allows for plunge cutting like a drill into solid material.

Extended Length end mills are recommended for applications that require a longer reach but not a longer length of cut. The increased rigidity of the unfluted extended shank reduces deflection.



List No. 1899 High Speed Steel
List No. 1899G High Speed Steel TiN Coated
List No. 4585 M42 8% Cobalt

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	LENGTH BELOW SHANK	OAL	1899 High Speed Steel EDP NO.	1899G High Speed Steel TIN COATED EDP NO.	4585 COBALT EDP NO.
1/8	.1250	3/8	3/8	13/16	2 9/16	43749	96215	45380
3/16	.1875	3/8	1/2	1 1/8	2 11/16	43750	96216	45381
1/4	.2500	3/8	5/8	1 1/2	3 1/16	43751	96217	45382
5/16	.3125	3/8	3/4	1 3/4	3 5/16	43752	96218	45383
3/8	.3750	3/8	3/4	1 3/4	3 5/16	43753	96219	45384
7/16	.4375	1/2	1	1 7/8	3 3/4	43747	96220	—
1/2	.5000	1/2	1	2 1/4	4	43754	96221	45385
5/8	.6250	5/8	1 3/8	2 3/4	4 5/8	43755	96222	—
3/4	.7500	3/4	1 5/8	3 3/8	5 3/8	43756	96223	45386
7/8	.8750	7/8	2	4	5 3/4	43748	96224	—
1	1.0000	1	2 1/2	5	7 1/4	43757	96225	45387

Metric 2-Flute Single End Mills

High Speed Steel Center Cutting

2-Flute end mills provide increased chip capacity and are recommended for milling slots, keyways and pockets. Center Cutting end allows for plunge cutting like a drill into solid material.



List No. 1898M

STANDARD PACKAGE All sizes — 1 each

DIA. MM	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.	DIA. MM	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	EDP NO.
3.0	.1181	3/8	3/8	2 5/16	43339	14.0	.5512	1 1/2	1 1/8	3 1/8	43319
4.0	.1575	3/8	7/16	2 5/16	43340	15.0	.5906	1 1/2	1 1/8	3 1/8	43321
5.0	.1968	3/8	1 1/2	2 5/16	43333	16.0	.6299	5/8	1 5/16	3 7/16	43322
6.0	.2362	3/8	1 1/2	2 5/16	43335	17.0	.6693	5/8	1 5/16	3 7/16	43323
7.0	.2756	3/8	9/16	2 5/16	43337	18.0	.7087	5/8	1 5/16	3 7/16	43324
8.0	.3150	3/8	9/16	2 5/16	43307	19.0	.7480	3/4	1 5/8	3 7/8	43325
9.0	.3543	3/8	9/16	2 5/16	43309	20.0	.7874	3/4	1 1/2	3 3/4	43326
10.0	.3937	3/8	13/16	2 1/2	43311	22.0	.8661	3/4	1 1/2	3 3/4	43328
11.0	.4331	3/8	13/16	2 1/2	43313	23.0	.9055	7/8	1 7/8	4 1/8	43329
12.0	.4724	3/8	13/16	2 1/2	43315	24.0	.9449	1	2	4 1/2	43330
13.0	.5118	1/2	1 1/8	3 1/8	43317	25.0	.9843	1	2	4 1/2	43331

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Double End Mills

2-Flute • Center Cutting

2-Flute Double End Mills

**High Speed Steel & M42 8% Cobalt
Bright Finish & TiN Coated
Center Cutting**

2-Flute end mills provide increased chip capacity and are recommended for milling slots, keyways and pockets. Center Cutting end allows for plunge cutting like a drill into solid material.

M42 8% Cobalt offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and long life in production applications.



**List No. 1896
List No. 1896G
List No. 4581**

**High Speed Steel
High Speed Steel TiN Coated
M42 8% Cobalt**

Titanium Nitride (TiN) Coating is an excellent coating for machining a wide variety of materials at greatly increased speeds and feeds. TiN coating increases tool surface hardness, lubricity, and heat resistance and resists chip welding.

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	1896 High Speed Steel EDP NO.	1896G High Speed Steel TiN COATED EDP NO.	4581 COBALT EDP NO.
1/8	.1250	3/8	3/8	3 1/16	43412	96050	44560
9/64	.1406	3/8	7/16	3 3/8	43431	—	—
5/32	.1562	3/8	7/16	3 3/8	43413	96052	44561
11/64	.1719	3/8	7/16	3 3/8	43432	—	—
3/16	.1875	3/8	7/16	3 3/8	43414	96054	44562
13/64	.2031	3/8	1/2	3 3/8	43433	—	—
7/32	.2188	3/8	1/2	3 3/8	43415	96056	44563
15/64	.2344	3/8	1/2	3 3/8	43434	—	—
1/4	.2500	3/8	1/2	3 3/8	43416	96058	44564
17/64	.2656	3/8	9/16	3 3/8	43435	—	—
9/32	.2812	3/8	9/16	3 3/8	43417	96060	44565
19/64	.2969	3/8	9/16	3 3/8	43436	—	—
5/16	.3125	3/8	9/16	3 3/8	43418	96062	44566
21/64	.3281	3/8	9/16	3 3/8	43437	—	—
11/32	.3438	3/8	9/16	3 3/8	43419	96064	44567
23/64	.3594	3/8	9/16	3 3/8	43438	—	—
31/8	.3750	3/8	9/16	3 3/8	43420	96066	44568
25/64	.3906	1/2	13/16	3 3/4	43439	—	—
13/32	.4062	1/2	13/16	3 3/4	43421	96068	44569
27/64	.4219	1/2	13/16	3 3/4	43440	—	—
7/16	.4375	1/2	13/16	3 3/4	43422	96070	44570
29/64	.4531	1/2	13/16	3 3/4	43441	—	—
15/32	.4688	1/2	13/16	3 3/4	43423	96072	—
31/64	.4844	1/2	13/16	3 3/4	43442	—	—
1/2	.5000	1/2	13/16	3 3/4	43424	96074	44571
9/16	.5625	5/8	1 1/8	5	43425	96075	44572
19/32	.5938	5/8	1 1/8	5	43444	—	—
5/8	.6250	5/8	1 1/8	5	43426	96076	44573
11/16	.6875	3/4	1 3/16	5	43427	96077	44577
23/32	.7188	3/4	1 5/16	5	43446	—	—
3/4	.7500	3/4	1 5/16	5	43428	96078	44574
25/32	.7812	7/8	1 9/16	5 1/2	43447	—	—
13/16	.8125	7/8	1 9/16	5 1/2	43448	—	—
27/32	.8438	7/8	1 9/16	5 1/2	43449	—	—
7/8	.8750	7/8	1 9/16	5 1/2	43429	—	44575
29/32	.9062	1	1 5/8	5 7/8	43450	—	—
15/16	.9375	1	1 5/8	5 7/8	43451	—	—
31/32	.9688	1	1 5/8	5 7/8	43452	—	—
1	1.0000	1	1 5/8	5 7/8	43430	96082	44576

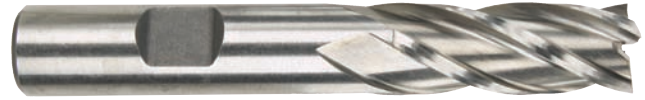
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Straight Shank Drills

High Speed Steel • 118° Notch Point



Multi-Flute Single End Mills

High Speed Steel & M42 8% Cobalt

Bright Finish & TiN Coated

Multi-Flute end mills offer higher feed rates, improved surface finish and greater core strength for reduced tool deflection.

Center Cutting end allows for plunge cutting like a drill into solid material.

M42 8% Cobalt offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and long life in production applications.

Titanium Nitride (TiN) Coating is an excellent coating for machining a wide variety of materials at greatly increased speeds and feeds. TiN coating increases tool surface hardness, lubricity, and heat resistance and resists chip welding.

List No. 1897
List No. 4550

List No. 4550G

List No. 4586

High Speed Steel
High Speed Steel Center Cutting
High Speed Steel Center Cutting TiN Coated
M42 8% Cobalt Center Cutting

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	1897 High Speed Steel NON-CENTER CUTTING EDP NO.	4550 High Speed Steel CENTER CUTTING EDP NO.	4550G High Speed Steel CENTER CUTTING TIN COATED EDP NO.	4586 COBALT CENTER CUTTING EDP NO.
$\frac{1}{8}$.1250	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{5}{16}$	4	43501	44135	96100	44426
$\frac{9}{64}$.1406	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	—	43020	—	—
$\frac{5}{32}$.1562	$\frac{3}{8}$	7/16	$2\frac{5}{16}$	4	43541	43021	96102	44415
$\frac{11}{64}$.1719	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	43562	43022	—	—
$\frac{3}{16}$.1875	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	43502	44136	96104	44427
$\frac{13}{64}$.2031	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	43563	43023	—	—
$\frac{7}{32}$.2188	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	43542	44149	96106	44416
$\frac{15}{64}$.2344	$\frac{3}{8}$	$\frac{5}{8}$	$2\frac{7}{16}$	4	43564	43024	—	—
$\frac{1}{4}$.2500	$\frac{3}{8}$	$\frac{5}{8}$	$2\frac{7}{16}$	4	43503	44137	96108	44428
$\frac{17}{64}$.2656	$\frac{3}{8}$	11/16	$2\frac{1}{2}$	4	43565	43025	—	—
$\frac{9}{32}$.2812	$\frac{3}{8}$	11/16	$2\frac{1}{2}$	4	43543	44150	96110	44417
$\frac{19}{64}$.2969	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43566	43026	—	—
$\frac{5}{16}$.3125	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43504	44138	96112	44429
$\frac{21}{64}$.3281	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43567	43027	—	—
$\frac{11}{32}$.3438	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43544	44151	96114	44418
$\frac{23}{64}$.3594	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43568	43028	—	—
$\frac{3}{8}$.3750	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	4	43505	44139	96116	44430
$\frac{25}{64}$.3906	$\frac{3}{8}$	1	$2\frac{11}{16}$	4	43569	43029	—	—
$\frac{13}{32}$.4062	$\frac{3}{8}$	1	$2\frac{11}{16}$	4	43545	44152	96118	44419
$\frac{27}{64}$.4219	$\frac{3}{8}$	1	$2\frac{11}{16}$	4	43570	43030	—	—
$\frac{7}{16}$.4375	$\frac{3}{8}$	1	$2\frac{11}{16}$	4	43506	44153	96120	44420
$\frac{29}{64}$.4531	$\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{1}{4}$	4	43571	43031	—	—
$\frac{15}{32}$.4688	$\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{1}{4}$	4	43546	44154	96122	44421
$\frac{31}{64}$.4844	$\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{1}{4}$	4	43572	43032	—	—
$\frac{1}{2}$.5000	$\frac{3}{8}$	1	$2\frac{11}{16}$	4	43507	43033	—	—
$\frac{1}{2}$.5000	$\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{1}{4}$	4	43508	44140	96124	44431
$\frac{17}{32}$.5312	$\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{3}{8}$	4	43547	44155	96096	—
$\frac{9}{16}$.5625	$\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{3}{8}$	4	43509	44156	96125	44422
$\frac{19}{32}$.5938	$\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{3}{8}$	4	43548	—	—	—
$\frac{5}{8}$.6250	$\frac{1}{2}$	$1\frac{3}{8}$	$3\frac{3}{8}$	4	43510	43034	96098	—
$\frac{5}{8}$.6250	$\frac{5}{8}$	$1\frac{5}{8}$	$3\frac{3}{4}$	4	43511	44141	96126	44432
$\frac{5}{8}$.6250	$\frac{5}{8}$	$1\frac{5}{8}$	$3\frac{3}{4}$	6	—	—	—	44433
$\frac{21}{32}$.6562	$\frac{1}{2}$	$1\frac{5}{8}$	$3\frac{5}{8}$	4	43549	—	—	—
$\frac{11}{16}$.6875	$\frac{1}{2}$	$1\frac{5}{8}$	$3\frac{5}{8}$	4	43512	—	—	—
$\frac{11}{16}$.6875	$\frac{5}{8}$	$1\frac{5}{8}$	$3\frac{3}{4}$	4	43513	44142	96127	—

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Single End Mills

Multi-Flute • Long Length



Multi-Flute Long Length Single End Mills

High Speed Steel & M42 8% Cobalt Bright Finish & TiN Coated

Multi-Flute end mills offer higher feed rates, improved surface finish and greater core strength for reduced tool deflection.

Center Cutting end allows for plunge cutting like a drill into solid material.

Long Length end mills provide a longer length of cut for deeper milling applications.

M42 8% Cobalt offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and long life in production applications.

List No. 1900

List No. 4551

List No. 4551G

List No. 4587

High Speed Steel

**High Speed Steel Center
Cutting**

**High Speed Steel Center
Cutting TiN Coated**

**M42 8% Cobalt Center
Cutting**

Titanium Nitride (TiN) Coating is an excellent coating for machining a wide variety of materials at greatly increased speeds and feeds. TiN coating increases tool surface hardness, lubricity, and heat resistance and resists chip welding.

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	1900 High Speed Steel NON-CENTER CUTTING EDP NO.	4551 High Speed Steel CENTER CUTTING EDP NO.	4551G High Speed Steel CENTER CUTTING TIN COATED EDP NO.	4587 COBALT CENTER CUTTING EDP NO.
$\frac{3}{16}$.1875	$\frac{3}{8}$	$1\frac{1}{4}$	$3\frac{1}{16}$	4	—	44169	96230	—
$\frac{7}{32}$.2188	$\frac{3}{8}$	$1\frac{1}{4}$	$3\frac{1}{16}$	4	—	44170	96231	—
$\frac{1}{4}$.2500	$\frac{3}{8}$	$1\frac{1}{4}$	$3\frac{1}{16}$	4	43776	44171	96232	44534
$\frac{9}{32}$.2812	$\frac{3}{8}$	$1\frac{3}{8}$	$3\frac{1}{8}$	4	—	44180	96233	44535
$\frac{5}{16}$.3125	$\frac{3}{8}$	$1\frac{3}{8}$	$3\frac{1}{8}$	4	43777	44172	96234	44536
$\frac{11}{32}$.3438	$\frac{3}{8}$	$1\frac{1}{2}$	$3\frac{1}{4}$	4	—	44181	96235	44537
$\frac{3}{8}$.3750	$\frac{3}{8}$	$1\frac{1}{2}$	$3\frac{1}{4}$	4	43778	44173	96236	44541
$\frac{13}{32}$.4062	$\frac{1}{2}$	$1\frac{3}{4}$	$3\frac{3}{4}$	4	—	44182	96237	44538**
$\frac{7}{16}$.4375	$\frac{1}{2}$	$1\frac{3}{4}$	$3\frac{3}{4}$	4	43779	44183	96238	44539**
$\frac{15}{32}$.4688	$\frac{1}{2}$	2	4	4	—	44184	96239	—
$\frac{1}{2}$.5000	$\frac{1}{2}$	2	4	4	43780	44174	96240	44542
$\frac{5}{8}$.6250	$\frac{5}{8}$	$2\frac{1}{2}$	$4\frac{5}{8}$	4	43781	44175	96241	44543
$\frac{3}{4}$.7500	$\frac{3}{4}$	3	$5\frac{1}{4}$	4	43782	44176	96242	44544
$\frac{3}{4}$.7500	$\frac{3}{4}$	3	$5\frac{1}{4}$	6	—	—	—	44545
$\frac{7}{8}$.8750	$\frac{7}{8}$	$3\frac{1}{2}$	$5\frac{3}{4}$	4	43783	44177	96244	44540
1	1.0000	1	4	$6\frac{1}{2}$	4	43784	44178	96245	44546
1	1.0000	1	4	$6\frac{1}{2}$	6	—	—	—	44547
$1\frac{1}{8}$	1.1250	1	4	$6\frac{1}{2}$	4	—	44185	—	—
$1\frac{1}{8}$	1.1250	1	4	$6\frac{1}{2}$	6	43785	—	—	—
$1\frac{1}{4}$	1.2500	1	4	$6\frac{1}{2}$	4	—	44186	—	—
$1\frac{1}{4}$	1.2500	1	4	$6\frac{1}{2}$	6	43786	—	—	—
$1\frac{1}{4}$	1.2500	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	—	44179	—	44548
$1\frac{1}{4}$	1.2500	$1\frac{1}{4}$	4	$6\frac{1}{2}$	6	43787	—	—	44549
$1\frac{3}{8}$	1.3750	1	4	$6\frac{1}{2}$	6	43788	—	—	—
$1\frac{1}{2}$	1.5000	1	4	$6\frac{1}{2}$	4	—	44187	—	—
$1\frac{1}{2}$	1.5000	1	4	$6\frac{1}{2}$	6	43789	—	—	—
$1\frac{1}{2}$	1.5000	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	—	44188	—	—
$1\frac{1}{2}$	1.5000	$1\frac{1}{4}$	4	$6\frac{1}{2}$	6	43790	—	—	—
$1\frac{3}{4}$	1.7500	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	—	44189	—	—
$1\frac{3}{4}$	1.7500	$1\frac{1}{4}$	4	$6\frac{1}{2}$	6	43791	—	—	—
2	2.0000	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	—	44190	—	—
2	2.0000	$1\frac{1}{4}$	4	$6\frac{1}{2}$	8	43792	—	—	—

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** Cobalt with 3/8" Shank Dia.



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Double End Mills

High Speed Steel • 118° Notch Point

4-Flute Double End Mills

High Speed Steel & M42 8% Cobalt

Bright Finish & TiN Coated

Multi-Flute end mills offer higher feed rates, improved surface finish and greater core strength for reduced tool deflection.

Center Cutting end allows for plunge cutting like a drill into solid material.

M42 8% Cobalt offers increased wear and heat resistance for abrasive and difficult materials, higher speeds and feeds and longer life in production applications.

Titanium Nitride (TiN) Coating is an excellent coating for machining a wide variety of materials at increased speeds and feeds. TiN coating increases tool surface hardness, lubricity, and heat resistance and resists chip welding.



List No. 1895
List No. 4553

List No. 4553G

List No. 4582

High Speed Steel
High Speed Steel Center
Cutting
High Speed Steel Center
Cutting TiN Coated
M42 8% Cobalt Center
Cutting

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	1895 High Speed Steel NON-CENTER CUTTING EDP NO.	4553 High Speed Steel CENTER CUTTING EDP NO.	4553G High Speed Steel CENTER CUTTING TIN COATED EDP NO.	4582 COBALT CENTER CUTTING EDP NO.
1/8	.1250	3/8	3/8	3 1/16	43266	44251	96000	44580
9/64	.1406	3/8	7/16	3 1/8	43286	43050	—	—
5/32	.1562	3/8	7/16	3 1/8	43267	43051	96002	44581
11/64	.1719	3/8	1/2	3 1/8	43287	43052	—	—
3/16	.1875	3/8	1/2	3 1/4	43268	44252	96004	44582
13/64	.2031	3/8	9/16	3 1/4	43288	43053	—	—
7/32	.2188	3/8	9/16	3 1/4	43269	43054	96006	44583
15/64	.2344	3/8	5/8	3 3/8	43289	43055	—	—
1/4	.2500	3/8	5/8	3 3/8	43270	44253	96008	44584
17/64	.2656	3/8	11/16	3 3/8	43290	43056	—	—
9/32	.2812	3/8	11/16	3 3/8	43271	43057	96010	44585
19/64	.2969	3/8	3/4	3 1/2	43291	43058	—	—
5/16	.3125	3/8	3/4	3 1/2	43272	44254	96012	44586
21/64	.3281	3/8	3/4	3 1/2	43292	43059	—	—
11/32	.3438	3/8	3/4	3 1/2	43273	43060	96014	44587
23/64	.3594	3/8	3/4	3 1/2	43293	43061	—	—
3/8	.3750	3/8	3/4	3 1/2	43274	44255	96016	44588
25/64	.3906	1/2	1	4 1/8	43294	43062	—	—
13/32	.4062	1/2	1	4 1/8	43275	43063	96018	44589
27/64	.4219	1/2	1	4 1/8	43295	43064	—	—
7/16	.4375	1/2	1	4 1/8	43276	43065	96020	44590
29/64	.4531	1/2	1	4 1/8	43296	43066	—	—
15/32	.4687	1/2	1	4 1/8	43277	43067	96022	—
31/64	.4844	1/2	1	4 1/8	43297	43068	—	—
1/2	.5000	1/2	1	4 1/8	43278	44256	96024	44591
9/16	.5625	5/8	1 3/8	5	43279	43069	—	44592
19/32	.5938	5/8	1 3/8	5	43299	—	—	—
5/8	.6250	5/8	1 3/8	5	43280	44257	96026	44593
21/32	.6562	3/4	1 5/8	5 5/8	43300	—	—	—
11/16	.6875	3/4	1 5/8	5 5/8	43281	43070	—	44597
3/4	.7500	3/4	1 5/8	5 5/8	43282	44258	96028	44594
25/32	.7812	7/8	1 7/8	6 1/8	43302	—	—	—
13/16	.8125	7/8	1 7/8	6 1/8	43283	43071	—	44598
27/32	.8438	7/8	1 7/8	6 1/8	43303	—	—	—
7/8	.8750	7/8	1 7/8	6 1/8	43284	44259	—	44595
29/32	.9062	1	1 7/8	6 3/8	43304	—	—	—
15/16	.9375	1	1 7/8	6 3/8	43305	43072	—	44599
31/32	.9688	1	1 7/8	6 3/8	43306	—	—	—
1	1.0000	1	1 7/8	6 3/8	43285	44260	96032	44596

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Single End Mills

2-Flute • Ball Nose



2-Flute Ball Nose Single End Mills

High Speed Steel & M42 8% Cobalt

Bright Finish & TiN Coated

Center Cutting

Ball Nose end mills are designed for milling die cavities, fillets, round bottomed holes and radius bottom slots. 2-Flute end mills provide increased chip capacity. Center Cutting end allows for plunge cutting like a drill into solid material.

List No. 1887
List No. 1887G
List No. 4583

High Speed Steel
High Speed Steel TiN Coated
M42 8% Cobalt

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	1887 High Speed Steel EDP NO.	1887G High Speed Steel TIN COATED EDP NO.	4583 COBALT EDP NO.
$\frac{1}{8}$.1250	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{5}{16}$	43111	96460	44401
$\frac{3}{16}$.1875	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	43112	96461	44402
$\frac{1}{4}$.2500	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{7}{16}$	43113	96462	44403
$\frac{5}{16}$.3125	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	43114	96463	44404
$\frac{3}{8}$.3750	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$	43115	96464	44405
$\frac{7}{16}$.4375	$\frac{1}{2}$	1	3	43116	96465	—
$\frac{1}{2}$.5000	$\frac{1}{2}$	1	3	43117	96466	44406
$\frac{9}{16}$.5625	$\frac{1}{2}$	$1\frac{1}{8}$	$3\frac{1}{8}$	43118	—	—
$\frac{5}{8}$.6250	$\frac{5}{8}$	$1\frac{3}{8}$	$3\frac{1}{2}$	43120	96467	44407
$\frac{3}{4}$.7500	$\frac{3}{4}$	$1\frac{5}{8}$	$3\frac{7}{8}$	43122	96468	44408
$\frac{13}{16}$.8125	$\frac{3}{4}$	2	$4\frac{1}{4}$	43128	—	—
$\frac{7}{8}$.8750	$\frac{7}{8}$	2	$4\frac{1}{4}$	43123	96469	44412
$\frac{15}{16}$.9375	$\frac{3}{4}$	$2\frac{1}{4}$	$4\frac{1}{2}$	43129	—	—
1	1.0000	1	$2\frac{1}{4}$	$4\frac{3}{4}$	43124	96470	44409
$1\frac{1}{8}$	1.1250	1	$2\frac{1}{4}$	$4\frac{3}{4}$	43125	—	—
$1\frac{1}{4}$	1.2500	$1\frac{1}{4}$	$2\frac{1}{2}$	5	43126	—	44410
$1\frac{1}{2}$	1.5000	$1\frac{1}{4}$	$2\frac{1}{2}$	5	43127	—	44411

2-Flute Ball Nose Extended Length Single End Mills

High Speed Steel & M42 8% Cobalt
Bright Finish & TiN Coated
Center Cutting

Extended Length for applications that require longer reach but not a longer length of cut. The increased rigidity of the unfluted shank reduces deflection.



List No. 1888
List No. 1888G

High Speed Steel
High Speed Steel TiN Coated
M42 8% Cobalt

List No. 4590

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	LENGTH BELOW SHANK	OAL	1888 High Speed Steel EDP NO.	1888G High Speed Steel TIN COATED EDP NO.	4590 COBALT EDP NO.
$\frac{1}{8}$.1250	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{13}{16}$	$2\frac{9}{16}$	43136	96480	45405
$\frac{3}{16}$.1875	$\frac{3}{8}$	$\frac{1}{2}$	$1\frac{1}{8}$	$2\frac{11}{16}$	43137	96481	45406
$\frac{1}{4}$.2500	$\frac{3}{8}$	$\frac{3}{8}$	$1\frac{1}{2}$	$3\frac{1}{16}$	43138	96482	45407
$\frac{5}{16}$.3125	$\frac{3}{8}$	$\frac{3}{4}$	$1\frac{3}{4}$	$3\frac{5}{16}$	43139	96483	45408
$\frac{3}{8}$.3750	$\frac{3}{8}$	$\frac{3}{4}$	$1\frac{3}{4}$	$3\frac{5}{16}$	43140	96484	45409
$\frac{7}{16}$.4375	$\frac{1}{2}$	1	$1\frac{7}{8}$	$3\frac{3}{4}$	43141	96485	—
$\frac{1}{2}$.5000	$\frac{1}{2}$	1	$2\frac{1}{4}$	4	43142	96486	45410
$\frac{5}{8}$.6250	$\frac{5}{8}$	$1\frac{3}{8}$	$2\frac{3}{4}$	$4\frac{5}{8}$	43143	—	—
$\frac{3}{4}$.7500	$\frac{3}{4}$	$1\frac{5}{8}$	$3\frac{3}{8}$	$5\frac{3}{8}$	43144	96487	45411
$\frac{7}{8}$.8750	$\frac{7}{8}$	2	4	6	43148	—	—
1	1.0000	1	$2\frac{1}{2}$	5	$7\frac{1}{4}$	43146	96488	45412
$1\frac{1}{4}$	1.2500	$1\frac{1}{4}$	3	5	$7\frac{1}{4}$	43147	—	—

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Single End Mills

Multi-Flute • Ball Nose • Center Cutting

Multi-Flute Ball Nose Single End Mills

High Speed Steel & M42 8% Cobalt Bright Finish & TiN Coated Center Cutting

Ball Nose end mills are designed for milling die cavities, fillets, round bottom holes and radius bottom slots.

Multi-Flute end mills offer improved surface finish and feature greater core strength for reduced tool deflection.

Center Cutting end allows for plunge cutting like a drill into solid material.



List No. 4554
List No. 4554G
List No. 4589

High Speed Steel
High Speed Steel TiN Coated
M42 8% Cobalt

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	4554	4554G	4589
						High Speed Steel EDP NO.	High Speed Steel TIN COATED EDP NO.	COBALT EDP NO.
$\frac{1}{8}$.1250	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{5}{16}$	4	—	—	44451
$\frac{3}{16}$.1875	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{3}{8}$	4	—	—	44452
$\frac{1}{4}$.2500	$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{9}{16}$	4	44274	96512	44453
$\frac{5}{16}$.3125	$\frac{3}{8}$	1	$2\frac{3}{4}$	4	44275	96513	44454
$\frac{3}{8}$.3750	$\frac{3}{8}$	1	$2\frac{3}{4}$	4	44276	96514	44455
$\frac{1}{2}$.5000	$\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{1}{4}$	4	44277	96515	44456
$\frac{5}{8}$.6250	$\frac{5}{8}$	$1\frac{5}{8}$	$3\frac{3}{4}$	4	44278	96516	44457
$\frac{3}{4}$.7500	$\frac{3}{4}$	$1\frac{5}{8}$	$3\frac{7}{8}$	4	44279	96517	44458
$\frac{7}{8}$.8750	$\frac{7}{8}$	$1\frac{7}{8}$	$4\frac{1}{8}$	4	44280	96518	—
1	1.0000	1	2	$4\frac{1}{2}$	4	44281	96519	44460
1	1.0000	1	2	$4\frac{1}{2}$	6	—	—	44461

Multi-Flute Long Length Ball Nose Single End Mills

High Speed Steel Bright Finish & TiN Coated Center Cutting



List No. 4555
List No. 4555G

High Speed Steel
High Speed Steel TiN Coated

STANDARD PACKAGE All sizes — 1 each

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	4555	4555G
						High Speed Steel EDP NO.	High Speed Steel TIN COATED EDP NO.
$\frac{1}{4}$.2500	$\frac{3}{8}$	$1\frac{1}{4}$	$3\frac{1}{16}$	4	44298	96525
$\frac{5}{16}$.3125	$\frac{3}{8}$	$1\frac{3}{8}$	$3\frac{1}{8}$	4	44299	96526
$\frac{3}{8}$.3750	$\frac{3}{8}$	$1\frac{1}{2}$	$3\frac{1}{4}$	4	44300	96527
$\frac{1}{2}$.5000	$\frac{1}{2}$	2	4	4	44301	96528
$\frac{5}{8}$.6250	$\frac{5}{8}$	$2\frac{1}{2}$	$4\frac{5}{8}$	4	44302	96529
$\frac{3}{4}$.7500	$\frac{3}{4}$	3	$5\frac{1}{4}$	4	44303	96530
1	1.0000	1	4	$6\frac{1}{2}$	4	44304	—
$1\frac{1}{4}$	1.2500	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	44305	—
$1\frac{1}{2}$	1.5000	$1\frac{1}{4}$	4	$6\frac{1}{2}$	4	44306	—

To order: add prefix 00330 to each EDP number



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End Mills

High Speed Steel • Course Pitch



Multi-Flute Coarse Pitch Roughing End Mills High Speed Steel

Roughing end mills feature a chip breaker type cutting edge for heavier cuts, higher speeds and feeds and greatly increased productivity. Economical High Speed Steel roughing end mills are recommended for most materials of low to medium hardness.

List No. 4593

STANDARD PACKAGE All sizes — 1 each

Regular Length

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	EDP NO.
1/4	.2500	3/8	5/8	2 7/16	3	44464
5/16	.3125	3/8	3/4	2 1/2	3	44465
3/8	.3750	3/8	3/4	2 1/2	4	44466
1/2	.5000	1/2	1 1/4	3 1/4	4	44476
5/8	.6250	5/8	1 3/8	3 3/4	4	44477
3/4	.7500	3/4	1 5/8	3 7/8	4	44478
1	1.0000	3/4	1 7/8	4 1/2	5	44463
1	1.0000	1	2	4 1/2	5	44480
1	1.0000	1	3	5 1/2	5	44468
1 1/4	1.2500	3/4	2	4 1/2	6	44469
1 1/4	1.2500	1 1/4	2	4 1/2	6	44482
1 1/2	1.5000	3/4	2 1/4	4 1/2	6	44470
1 1/2	1.5000	1 1/4	2	4 1/2	6	44483
2	2.0000	1 1/4	2	4 1/2	8	44471

Long Length

DIA.	DEC. EQUIV.	SHANK DIA.	LENGTH OF CUT	OAL	NO. OF FLUTES	EDP NO.
1/2	.5000	1/2	2	4	4	44467
3/4	.7500	3/4	3	5 1/4	4	44488
1	1.0000	1	4	6 1/2	5	44490
1 1/4	1.2500	1 1/4	4	6 1/2	6	44491
1 1/2	1.5000	1 1/4	4	6 1/2	6	44492
2	2.0000	2	4	7 3/4	8	44485
2	2.0000	2	6	9 3/4	8	44494
2	2.0000	2	8	11 3/4	8	44495



Center Cutting

2-Flute 6-Pc. Sets Sizes 1/8", 3/16", 1/4", 5/16", 3/8", 1/2"

(Sizes 1/8" - 3/8" are 3/8" shank, size 1/2" is 1/2" shank)

SET NO.	LIST NO.	DESCRIPTION	EDP NO.
W-11	1887	2 Flute, Single End, Ball Nose	45001
W-13	1896	2 Flute, Double End	45015
W-15	1898	2 Flute, Single End	45025



Non-Center Cutting

4-Flute 6-Pc. Sets Sizes 1/8", 3/16", 1/4", 5/16", 3/8", 1/2"

(Sizes 1/8" - 3/8" are 3/8" shank, size 1/2" is 1/2" shank)

SET NO.	LIST NO.	DESCRIPTION	EDP NO.
W-12	1895	4 Flute, Double End	45010
W-14	1897	4 Flute, Single End	45020

3/4" Shank 6-Pc. Multi-Flute Set Sizes 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2"

SET NO.	LIST NO.	DESCRIPTION	EDP NO.
W-21	1897	Multi-Flute, Single End	45021



Non-Center Cutting

To order: add prefix 00330 to each EDP number



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Lead Angle Turning Tools

High Speed Steel • 118° Notch Point

Styles AR & AL 0° Lead Angle Turning Tools

Premium Carbide Tipped

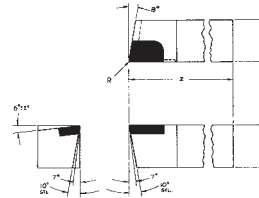
For turning to a square shoulder

STANDARD PACKAGE

A4-A10 — 10 each
A16-A44 — 1 each
A12 — 5 each



List No. 4110



Grade 883 = C2
For use in cast iron and non-ferrous materials

Grade 370 = C5
For use in steel and steel alloys

Style AR – Right Hand

TOOL NO.	SHANK SIZE			NOSE RAD.	GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L			
AR-4	1/4	1/4	2	1/64	70102	70103
AR-5	5/16	5/16	2 1/4	1/64	70108	70109
AR-6	3/8	3/8	2 1/2	1/64	70114	70115
AR-7	7/16	7/16	3	1/32	70120	70121
AR-8	1/2	1/2	3 1/2	1/32	70126	70127
AR-10	5/8	5/8	4	1/32	70132	70133
AR-12	3/4	3/4	4 1/2	1/32	—	70139
AR-16	1	1	7	1/32	70144	—
AR-20	1 1/4	1 1/4	8	1/32	70150	—
AR-44	1 1/2	1	7	1/32	—	70163

Style AL – Left Hand

TOOL NO.	SHANK SIZE			NOSE RAD.	GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L			
AL-4	1/4	1/4	2	1/64	70202	70203
AL-5	5/16	5/16	2 1/4	1/64	70208	70209
AL-6	3/8	3/8	2 1/2	1/64	70214	70215
AL-7	7/16	7/16	3	1/32	70220	70221
AL-8	1/2	1/2	3 1/2	1/32	70226	70227
AL-10	5/8	5/8	4	1/32	70232	70233
AL-12	3/4	3/4	4 1/2	1/32	70238	70239
AL-16	1	1	7	1/32	—	70245
AL-20	1 1/4	1 1/4	8	1/32	—	70251

Styles BR & BL 15° Lead Angle Turning Tools

Premium Carbide Tipped

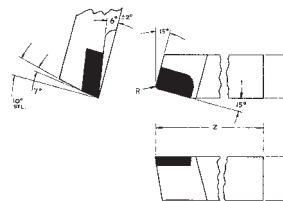
For turning when a square shoulder is not required and for interrupted cuts.

STANDARD PACKAGE

B4-B10 — 10 each
B16-B20 — 1 each
B12 — 5 each



List No. 4120



Grade 883 = C2
For use in cast iron and non-ferrous materials

Grade 370 = C5
For use in steel and steel alloys

Style BR – Right Hand

TOOL NO.	SHANK SIZE			NOSE RAD.	GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L			
BR-4	1/4	1/4	2	1/64	70302	—
BR-5	5/16	5/16	2 1/4	1/64	70308	70309
BR-6	3/8	3/8	2 1/2	1/64	70314	70315
BR-7	7/16	7/16	3	1/32	70320	—
BR-8	1/2	1/2	3 1/2	1/32	70326	70327
BR-10	5/8	5/8	4	1/32	70332	70333
BR-12	3/4	3/4	4 1/2	1/32	—	70339
BR-16	1	1	7	1/32	70344	70345
BR-20	1 1/4	1 1/4	8	1/32	70350	—

Style BL – Left Hand

TOOL NO.	SHANK SIZE			NOSE RAD.	GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L			
BL-4	1/4	1/4	2	1/64	70402	—
BL-5	5/16	5/16	2 1/4	1/64	70408	70409
BL-6	3/8	3/8	2 1/2	1/64	70414	70415
BL-7	7/16	7/16	3	1/32	70420	—
BL-8	1/2	1/2	3 1/2	1/32	70426	70427
BL-10	5/8	5/8	4	1/32	70432	70433
BL-12	3/4	3/4	4 1/2	1/32	70438	70439
BL-16	1	1	7	1/32	70444	70445
BL-20	1 1/4	1 1/4	8	1/32	70450	70451

To order: add prefix 00330 to each EDP number



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Square & Angle Nose Tools

Premium Carbide Tipped

Style C Square Nose Tools

Premium Carbide Tipped

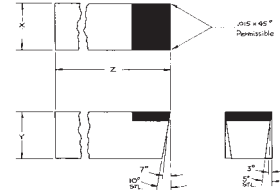
For chamfering, facing, turning and for making special tool forms

STANDARD PACKAGE C4-C10 — 10 each
C16-C44 — 1 each
C12 — 5 each

TOOL NO.	SHANK SIZE			GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L		
C-4	$\frac{1}{4}$	$\frac{1}{4}$	2	70502	70503
C-5	$\frac{5}{16}$	$\frac{5}{16}$	$2\frac{1}{4}$	70508	70509
C-6	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{1}{2}$	70514	70515
C-7	$\frac{7}{16}$	$\frac{7}{16}$	3	70520	—
C-8	$\frac{1}{2}$	$\frac{1}{2}$	$3\frac{1}{2}$	70526	70527
C-10	$\frac{5}{8}$	$\frac{5}{8}$	4	70532	70533
C-12	$\frac{3}{4}$	$\frac{3}{4}$	$4\frac{1}{2}$	70538	70539
C-16	1	1	7	70544	—
C-44	$\frac{1}{2}$	1	7	70556	70557



List No. 4130



Grade 883 = C2
For use in cast iron and non-ferrous materials

Grade 370 = C5
For use in steel and steel alloys

Style D 80° Included Angle Tools

Premium Carbide Tipped

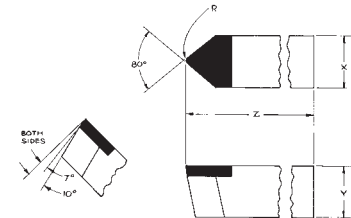
For under cutting and for ID and OD chamfering

STANDARD PACKAGE D4-D10 — 10 each
D12 — 5 each
D16 — 1 each

TOOL NO.	SHANK SIZE			NOSE RAD.	GRADE 883 EDP NO.	GRADE 370 EDP NO.
	W	H	L			
D-4	$\frac{1}{4}$	$\frac{1}{4}$	2	$\frac{1}{64}$	70602	70603
D-5	$\frac{5}{16}$	$\frac{5}{16}$	$2\frac{1}{4}$	$\frac{1}{64}$	—	70609
D-6	$\frac{3}{8}$	$\frac{3}{8}$	$2\frac{1}{2}$	$\frac{1}{64}$	70614	70615
D-8	$\frac{1}{2}$	$\frac{1}{2}$	$3\frac{1}{2}$	$\frac{1}{32}$	70626	70627
D-10	$\frac{5}{8}$	$\frac{5}{8}$	4	$\frac{1}{32}$	70632	—
D-12	$\frac{3}{4}$	$\frac{3}{4}$	$4\frac{1}{2}$	$\frac{1}{32}$	70638	70639
D-16	1	1	7	$\frac{1}{32}$	70644	70645



List No. 4140



Grade 883 = C2
For use in cast iron and non-ferrous materials

Grade 370 = C5
For use in steel and steel alloys

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To order: add prefix 00330 to each EDP number



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Screw Extractors

Carbon Steel

Screw Extractors

For removing broken bolts, screws or studs without damage to the threaded hole.

Furnished with a left-hand spiral. Carbon steel.



List No. 773

STANDARD PACKAGE Sizes 1 thru 3 — 12 each
 Sizes 4 & 5 — 6 each
 Sizes 6 and over — 1 each

SCREW EXTRACTOR NUMBER	DIAMETER		OAL	DRILL SIZE TO USE	FOR EXTRACTING		EDP. NO.
	SMALL END	LARGE END			BOLT AND SCREW SIZE	STANDARD PIPE SIZE	
1	1/16	1/8	2	5/64	3/16 - 1/4		20201
2	3/32	13/64	2 3/8	7/64	1/4 - 5/16		20202
3	1/8	1/4	2 11/16	5/32	5/16 - 7/16		20203
4	3/16	11/32	3	1/4	7/16 - 9/16		20204
5	1/4	7/16	3 3/8	17/64	9/16 - 3/4	1/8 - 1/4	20205
6	3/8	19/32	3 3/4	13/32	3/4 - 1	3/8	20206
7	1/2	25/32	4 1/8	17/32	1 - 1 3/8	1/2	20207
8	3/4	1 1/32	4 3/8	13/16	1 3/8 - 1 3/4	3/4	20208
9	1	1 9/32	4 5/8	1 1/16	1 3/4 - 2 1/8	1	20209

Screw Extractor Sets

For removing broken bolts, screws or studs without damage to the threaded hole.
 Furnished with a left-hand spiral. Carbon steel.

EDP NO. 20217		EDP NO. 20218	
SET NO. 62		SET NO. 68	
EXTRACTOR NUMBER	SIZE RANGE	EXTRACTOR NUMBER	SIZE RANGE
1	3/16 to 1/4	6	3/4 to 1
2	1/4 to 5/16	7	1 to 1 3/8
3	5/16 to 7/16	8	1 3/8 to 1 3/4
4	7/16 to 9/16	9	1 3/4 to 2 1/8
5	9/16 to 3/4		



List No. 7300

Combination Screw Extractor & Drill Set In Metal Case – Screw Machine Length Drills

SET NO. 64		
EXTRACTOR NUMBER	DRILL SIZE	EDP NO.
1	5/64	20219
2	7/64	
3	5/32	
4	1/4	
5	17/64	



List No. 7301

To order: add prefix 00330 to each EDP number

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STERLING DIAMOND SAW BLADES



<p>M-42 ZERO RAKE</p> <p>HIGH SPEED STEEL TOUGH FATIGUE RESISTANT BACK</p>	<p>BLUE DIAMOND™ BI-METAL M-42 WELDED BANDS TEETH PER INCH VARIES *</p>	<p>EXCEL PLUS™ BI-METAL WELDED BANDS TEETH PER INCH VARIES *</p>
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WIDTH THICKNESS	3/4" .035	1" .035	1-1/4" .035	1" .050	1" .035	1-1/4" .042	1-1/2" .050	2" .050	2" .063	2-5/8" .063
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
UP to 10'	00DS000001	00DS000046	—	—	00DS000311	—	—	—	—	—
10' to 10'6"	00DS000002	00DS000047	—	—	00DS000312	—	—	—	—	—
10'6" to 11'	00DS000003	00DS000048	00DS000095	—	00DS000313	00DS000362	—	—	—	—
11' to 11'6"	00DS000004	00DS000049	00DS000096	—	00DS000314	00DS000363	—	—	—	—
11'6" to 12'	00DS000005	00DS000050	00DS000097	—	00DS000315	00DS000364	—	—	—	—
12' to 12'6"	00DS000006	00DS000051	00DS000098	—	00DS000316	00DS000365	—	—	—	—
12'6" to 13'	00DS000007	00DS000052	00DS000099	—	00DS000317	00DS000366	—	—	—	—
13' to 13'6"	00DS000008	00DS000053	00DS000100	—	00DS000318	00DS000367	—	—	—	—
13'6" to 14'	00DS000009	00DS000054	00DS000101	—	00DS000319	00DS000368	—	—	—	—
14' to 14'6"	00DS000010	00DS000055	00DS000102	—	00DS000320	00DS000369	—	—	—	—
14'6" to 15'	00DS000011	00DS000056	00DS000103	00DS000169	00DS000321	00DS000370	00DS000411	00DS000446	00DS000481	—
15' to 15'6"	00DS000012	00DS000057	00DS000104	00DS000170	00DS000322	00DS000371	00DS000412	00DS000447	00DS000482	—
15'6" to 16'	00DS000013	00DS000058	00DS000105	00DS000171	00DS000323	00DS000372	00DS000413	00DS000448	00DS000483	—
16' to 16'6"	00DS000014	00DS000059	00DS000106	00DS000172	00DS000324	00DS000373	00DS000414	00DS000449	00DS000484	—
16'6" to 17'	00DS000015	00DS000060	00DS000107	00DS000173	00DS000325	00DS000374	00DS000415	00DS000450	00DS000485	00DS000514
17' to 17'6"	00DS000016	00DS000061	00DS000108	00DS000174	00DS000326	00DS000375	00DS000416	00DS000451	00DS000486	00DS000515
17'6" to 18'	00DS000017	00DS000062	00DS000109	00DS000175	00DS000327	00DS000376	00DS000417	00DS000452	00DS000487	00DS000516
18' to 18'6"	00DS000018	00DS000063	00DS000110	00DS000176	00DS000328	00DS000377	00DS000418	00DS000453	00DS000488	00DS000517
18'6" to 19'	00DS000019	00DS000064	00DS000111	00DS000177	00DS000329	00DS000378	00DS000419	00DS000454	00DS000489	00DS000518
19' to 19'6"	00DS000020	00DS000065	00DS000112	00DS000178	00DS000330	00DS000379	00DS000420	00DS000455	00DS000490	00DS000519
19'6" to 20'	00DS000021	00DS000066	00DS000113	00DS000179	00DS000331	00DS000380	00DS000421	00DS000456	00DS000491	00DS000520
20' to 20'6"	00DS000022	00DS000067	00DS000114	00DS000180	00DS000332	00DS000381	00DS000422	00DS000457	00DS000492	00DS000521
20'6" to 21'	00DS000023	00DS000068	00DS000115	00DS000181	00DS000333	00DS000382	00DS000423	00DS000458	00DS000493	00DS000522
21' to 21'6"	00DS000024	00DS000069	00DS000116	00DS000182	00DS000334	00DS000383	00DS000424	00DS000459	00DS000494	00DS000523
21'6" to 22'	00DS000025	00DS000070	00DS000117	00DS000183	00DS000335	00DS000384	00DS000425	00DS000460	00DS000495	00DS000524
22' to 22'6"	00DS000026	00DS000071	00DS000118	00DS000184	00DS000336	00DS000385	00DS000426	00DS000461	00DS000496	00DS000525
22'6" to 23'	00DS000027	00DS000072	00DS000119	00DS000185	00DS000337	00DS000386	00DS000427	00DS000462	00DS000497	00DS000526
23' to 23'6"	00DS000028	00DS000073	00DS000120	00DS000186	00DS000338	00DS000387	00DS000428	00DS000463	00DS000498	00DS000527
23'6" to 24'	00DS000029	00DS000074	00DS000121	00DS000187	00DS000339	00DS000388	00DS000429	00DS000464	00DS000499	00DS000528
24' to 24'6"	00DS000030	00DS000075	00DS000122	00DS000188	00DS000340	00DS000389	00DS000430	00DS000465	00DS000500	00DS000529
24'6" to 25'	00DS000031	00DS000076	00DS000123	00DS000189	00DS000341	00DS000390	00DS000431	00DS000466	00DS000501	00DS000530
25' to 25'6"	00DS000032	00DS000077	00DS000124	00DS000190	00DS000342	00DS000391	00DS000432	00DS000467	00DS000502	00DS000531
25'6" to 26'	00DS000033	00DS000078	00DS000125	00DS000191	00DS000343	00DS000392	00DS000433	00DS000468	00DS000503	00DS000532
26' to 26'6"	00DS000034	00DS000079	00DS000126	00DS000192	00DS000344	00DS000393	00DS000434	00DS000469	00DS000504	00DS000533
26'6" to 27'	00DS000035	00DS000080	00DS000127	00DS000193	00DS000345	00DS000394	00DS000435	00DS000470	00DS000505	00DS000534
27' to 27'6"	00DS000036	00DS000081	00DS000128	00DS000194	00DS000346	00DS000395	00DS000436	00DS000471	00DS000506	00DS000535
27'6" to 28'	00DS000037	00DS000082	00DS000129	00DS000195	00DS000347	00DS000396	00DS000437	00DS000472	00DS000507	00DS000536
28' to 28'6"	00DS000038	00DS000083	00DS000130	00DS000196	00DS000348	00DS000397	00DS000438	00DS000473	00DS000508	00DS000537
28'6" to 29'	00DS000039	00DS000084	00DS000131	00DS000197	00DS000349	00DS000398	00DS000439	00DS000474	00DS000509	00DS000538
29' to 29'6"	00DS000040	00DS000085	00DS000132	00DS000198	00DS000350	00DS000399	00DS000440	00DS000475	00DS000510	00DS000539
29'6" to 30'	00DS000041	00DS000086	00DS000133	00DS000199	00DS000351	00DS000400	00DS000441	00DS000476	00DS000511	00DS000540

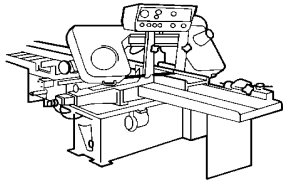
BLUE DIAMOND™ PLUS COILS					EXCEL PLUS™ COILS				
WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
3/4	150	.035	6/4	00DS000042	1-1/4	150	.042	6/4	00DS000407
3/4	250	.035	6/4	00DS000043	1-1/4	250	.042	6/4	00DS000408
3/4	150	.035	8/5	00DS000044	1-1/4	150	.042	8/5	00DS000409
3/4	250	.035	8/5	00DS000045	1-1/4	250	.042	8/5	00DS000410
1	150	.035	6 RAKER	00DS000087	1-1/2	150	.050	1.5/1	00DS000442
1	250	.035	6 RAKER	00DS000088	1-1/2	150	.050	3/2	00DS000443
1	150	.035	6/4	00DS000089	1-1/2	150	.050	4/3	00DS000444
1	250	.035	6/4	00DS000090	1-1/2	150	.050	6/4	00DS000445
1	150	.035	8/5	00DS000091	2	150	.050	2	00DS000477
1	250	.035	8/5	00DS000092	2	150	.050	1.5/1	00DS000478
1	150	.035	10/6	00DS000093	2	150	.050	3/2	00DS000479
1	250	.035	10/6	00DS000094	2	150	.050	4/3	00DS000480
1-1/4	150	.042	6/4	00DS000134	2	150	.063	1.5/1	00DS000512
1-1/4	250	.042	6/4	00DS000135	2	150	.063	3/2	00DS000513
1-1/4	150	.042	8/5	00DS000136	2	150	.063	4/3	00DS000513-1
1-1/4	250	.042	8/5	00DS000137	2	150	.063	6/4	00DS000513-2
2	150	.050	6/4	00DS000200					

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY. LNG=LENGTH

STERLING DIAMOND SAW BLADES



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SUPER-WELD™ MX BI-METAL MATRIX WELDED BANDS TEETH PER INCH VARIES*



WIDTH THICKNESS	1/4" .025	1/4" .035	3/8" .025	3/8" .035	1/2" .020	1/2" .025	1/2" .035	5/8" .032	3/4" .035	1" .035
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
UP to 5'	00DS000560	00DS000605	00DS000652	00DS000695	00DS000740	00DS000793	00DS000846	—	—	—
5' to 5'6"	00DS000561	00DS000606	00DS000653	00DS000696	00DS000741	00DS000794	00DS000847	—	—	—
5'6" to 6'	00DS000562	00DS000607	00DS000654	00DS000697	00DS000742	00DS000795	00DS000848	—	—	—
6' to 6'6"	00DS000563	00DS000608	00DS000655	00DS000698	00DS000743	00DS000796	00DS000849	—	—	—
6'6" to 7'	00DS000564	00DS000609	00DS000656	00DS000699	00DS000744	00DS000797	00DS000850	—	—	—
7' to 7'6"	00DS000565	00DS000610	00DS000657	00DS000700	00DS000745	00DS000798	00DS000851	00DS000895	00DS000933	00DS000989
7'6" to 8'	00DS000566	00DS000611	00DS000658	00DS000701	00DS000746	00DS000799	00DS000852	00DS000896	00DS000934	00DS000990
8' to 8'6"	00DS000567	00DS000612	00DS000659	00DS000702	00DS000747	00DS000800	00DS000853	00DS000897	00DS000935	00DS000991
8'6" to 9'	00DS000568	00DS000613	00DS000660	00DS000703	00DS000748	00DS000801	00DS000854	00DS000898	00DS000936	00DS000992
9' to 9'6"	00DS000569	00DS000614	00DS000661	00DS000704	00DS000749	00DS000802	00DS000855	00DS000899	00DS000937	00DS000993
9'6" to 10'	00DS000570	00DS000615	00DS000662	00DS000705	00DS000750	00DS000803	00DS000856	00DS000900	00DS000938	00DS000994
10' to 10'6"	00DS000571	00DS000616	00DS000663	00DS000706	00DS000751	00DS000804	00DS000857	00DS000901	00DS000939	00DS000995
10'6" to 11'	00DS000572	00DS000617	00DS000664	00DS000707	00DS000752	00DS000805	00DS000858	00DS000902	00DS000940	00DS000996
11' to 11'6"	00DS000573	00DS000618	00DS000665	00DS000708	00DS000753	00DS000806	00DS000859	00DS000903	00DS000941	00DS000997
11'6" to 12'	00DS000574	00DS000619	00DS000666	00DS000709	00DS000754	00DS000807	00DS000860	00DS000904	00DS000942	00DS000998
12' to 12'6"	00DS000575	00DS000620	00DS000667	00DS000710	00DS000755	00DS000808	00DS000861	00DS000905	00DS000943	00DS000999
12'6" to 13'	00DS000576	00DS000621	00DS000668	00DS000711	00DS000756	00DS000809	00DS000862	00DS000906	00DS000944	00DS001000
13' to 13'6"	00DS000577	00DS000622	00DS000669	00DS000712	00DS000757	00DS000810	00DS000863	00DS000907	00DS000945	00DS001001
13'6" to 14'	00DS000578	00DS000623	00DS000670	00DS000713	00DS000758	00DS000811	00DS000864	00DS000908	00DS000946	00DS001002
14' to 14'6"	00DS000579	00DS000624	00DS000671	00DS000714	00DS000759	00DS000812	00DS000865	00DS000909	00DS000947	00DS001003
14'6" to 15'	00DS000580	00DS000625	00DS000672	00DS000715	00DS000760	00DS000813	00DS000866	00DS000910	00DS000948	00DS001004
15' to 15'6"	00DS000581	00DS000626	00DS000673	00DS000716	00DS000761	00DS000814	00DS000867	00DS000911	00DS000949	00DS001005
15'6" to 16'	00DS000582	00DS000627	00DS000674	00DS000717	00DS000762	00DS000815	00DS000868	00DS000912	00DS000950	00DS001006
16' to 16'6"	00DS000583	00DS000628	00DS000675	00DS000718	00DS000763	00DS000816	00DS000869	00DS000913	00DS000951	00DS001007
16'6" to 17'	00DS000584	00DS000629	00DS000676	00DS000719	00DS000764	00DS000817	00DS000870	00DS000914	00DS000952	00DS001008
17' to 17'6"	00DS000585	00DS000630	00DS000677	00DS000720	00DS000765	00DS000818	00DS000871	00DS000915	00DS000953	00DS001009
17'6" to 18'	00DS000586	00DS000631	00DS000678	00DS000721	00DS000766	00DS000819	00DS000872	00DS000916	00DS000954	00DS001010
18' to 18'6"	00DS000587	00DS000632	00DS000679	00DS000722	00DS000767	00DS000820	00DS000873	00DS000917	00DS000955	00DS001011
18'6" to 19'	00DS000588	00DS000633	00DS000680	00DS000723	00DS000768	00DS000821	00DS000874	00DS000918	00DS000956	00DS001012
19' to 19'6"	00DS000589	00DS000634	00DS000681	00DS000724	00DS000769	00DS000822	00DS000875	00DS000919	00DS000957	00DS001013
19'6" to 20'	00DS000590	00DS000635	00DS000682	00DS000725	00DS000770	00DS000823	00DS000876	00DS000920	00DS000958	00DS001014
20' to 20'6"	00DS000591	00DS000636	00DS000683	00DS000726	00DS000771	00DS000824	00DS000877	00DS000921	00DS000959	00DS001015
20'6" to 21'	00DS000592	00DS000637	00DS000684	00DS000727	00DS000772	00DS000825	00DS000878	00DS000922	00DS000960	00DS001016
21' to 21'6"	00DS000593	00DS000638	00DS000685	00DS000728	00DS000773	00DS000826	00DS000879	00DS000923	00DS000961	00DS001017
21'6" to 22'	00DS000594	00DS000639	00DS000686	00DS000729	00DS000774	00DS000827	00DS000880	00DS000924	00DS000962	00DS001018
22' to 22'6"	00DS000595	00DS000640	00DS000687	00DS000730	00DS000775	00DS000828	00DS000881	00DS000925	00DS000963	00DS001019
22'6" to 23'	00DS000596	00DS000641	00DS000688	00DS000731	00DS000776	00DS000829	00DS000882	00DS000926	00DS000964	00DS001020
23' to 23'6"	00DS000597	00DS000642	00DS000689	00DS000732	00DS000777	00DS000830	00DS000883	00DS000927	00DS000965	00DS001021
23'6" to 24'	00DS000598	00DS000643	00DS000690	00DS000733	00DS000778	00DS000831	00DS000884	00DS000928	00DS000966	00DS001022
24' to 24'6"	00DS000599	00DS000644	00DS000691	00DS000734	00DS000779	00DS000832	00DS000885	00DS000929	00DS000967	00DS001023
24'6" to 25'	00DS000600	00DS000645	00DS000692	00DS000735	00DS000780	00DS000833	00DS000886	00DS000930	00DS000968	00DS001024

COILS

WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
1/4	100	.025	14/10	00DS000601	3/8	100	.025	14/10	00DS000693	1/2	100	.020	18	00DS000785
1/4	250	.025	14/10	00DS000602	3/8	250	.025	14/10	00DS000694	1/2	250	.020	18	00DS000786
1/4	100	.025	18/14	00DS000603	3/8	100	.035	10	00DS000736	1/2	100	.020	24	00DS000787
1/4	250	.025	18/14	00DS000604	3/8	250	.035	10	00DS000737	1/2	250	.020	24	00DS000788
1/4	100	.035	10	00DS000646	3/8	100	.035	14	00DS000738	1/2	100	.020	14/10	00DS000789
1/4	250	.035	10	00DS000647	3/8	250	.035	14	00DS000739	1/2	250	.020	14/10	00DS000790
1/4	100	.035	14	00DS000648	1/2	100	.020	10	00DS000781	1/2	100	.020	18/14	00DS000791
1/4	250	.035	14	00DS000649	1/2	250	.020	10	00DS000782	1/2	250	.020	18/14	00DS000792
1/4	100	.035	14/10	00DS000650	1/2	100	.020	14	00DS000783	1/2	100	.025	10	00DS000834
1/4	250	.035	14/10	00DS000651	1/2	250	.020	14	00DS000784	1/2	250	.025	10	00DS000835

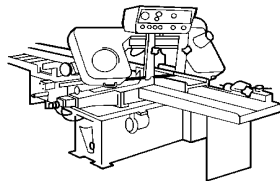
* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES



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SUPER-WELD™ MX BI-METAL MATRIX WELDED BANDS TEETH PER INCH VARIES*

MX ZERO RAKE HIGH SPEED STEEL

WIDTH THICKNESS			COILS												
1-1/4" .042			1-1/4" .050												
LENGTH	PART NUMBER	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER			
UP 10'	00DS001041	—													
10' to 10'6"	00DS001042	—	1/2	100	.025	14	00DS000836	3/4	250	.035	10/6	00DS000982			
10'6" to 11'	00DS001043	—	1/2	250	.025	14	00DS000837	3/4	100	.035	12/8	00DS000983			
11' to 11'6"	00DS001044	—	1/2	100	.025	10/6	00DS000838	3/4	250	.035	12/8	00DS000984			
11'6" to 12'	00DS001045	—	1/2	250	.025	10/6	00DS000839	3/4	100	.035	14/10	00DS000985			
12' to 12'6"	00DS001046	—	1/2	100	.025	12/8	00DS000840	3/4	250	.035	14/10	00DS000986			
12'6" to 13'	00DS001047	—	1/2	250	.025	12/8	00DS000841	3/4	100	.035	18/14	00DS000987			
13' to 13'6"	00DS001048	—	1/2	100	.025	14/10	00DS000842	3/4	250	.035	18/14	00DS000988			
13'6" to 14'	00DS001049	—	1/2	250	.025	14/10	00DS000843	1	100	.035	6	00DS001025			
14' to 14'6"	00DS001050	—	1/2	100	.025	18/14	00DS000844	1	250	.035	6	00DS001026			
14'6" to 15'	00DS001051	00DS001080	1/2	250	.025	18/14	00DS000845	1	100	.035	8	00DS001027			
15' to 15'6"	00DS001052	00DS001080-1	1/2	100	.035	10	00DS000887	1	250	.035	8	00DS001028			
15'6" to 16'	00DS001053	00DS001080-2	1/2	250	.035	10	00DS000888	1	100	.035	10	00DS001029			
16' to 16'6"	00DS001054	00DS001080-3	1/2	100	.035	14	00DS000889	1	250	.035	10	00DS001030			
16'6" to 17'	00DS001055	00DS001080-4	1/2	250	.035	14	00DS000890	1	100	.035	6/4	00DS001031			
17' to 17'6"	00DS001056	00DS001080-5	1/2	100	.035	10/6	00DS000891	1	250	.035	6/4	00DS001032			
17'6" to 18'	00DS001057	00DS001080-6	1/2	250	.035	10/6	00DS000892	1	100	.035	8/5	00DS001033			
18' to 18'6"	00DS001058	00DS001080-7	1/2	100	.035	14/10	00DS000893	1	250	.035	8/5	00DS001034			
18'6" to 19'	00DS001059	00DS001080-8	1/2	250	.035	14/10	00DS000894	1	100	.035	10/6	00DS001035			
19' to 19'6"	00DS001060	00DS001080-9	5/8	100	.032	14/10	00DS000931	1	250	.035	10/6	00DS001036			
19'6" to 20'	00DS001061	00DS001081-1	5/8	250	.032	14/10	00DS000932	1	100	.035	12/8	00DS001037			
20' to 20'6"	00DS001062	00DS001081-2	3/4	100	.035	6	00DS000969	1	250	.035	12/8	00DS001038			
20'6" to 21'	00DS001063	00DS001081-3	3/4	250	.035	6	00DS000970	1	100	.035	14/10	00DS001039			
21' to 21'6"	00DS001064	00DS001081-4	3/4	100	.035	8	00DS000971	1	250	.035	14/10	00DS001040			
21'6" to 22'	00DS001065	00DS001081-5	3/4	250	.035	8	00DS000972	1-1/2	100	.042	8	00DS001072			
22' to 22'6"	00DS001066	00DS001081-6	3/4	100	.035	10	00DS000973	1-1/2	250	.042	8	00DS001073			
22'6" to 23'	00DS001067	00DS001081-7	3/4	250	.035	10	00DS000974	1-1/2	100	.042	6/4	00DS001074			
23' to 23'6"	00DS001068	00DS001081-8	3/4	100	.035	14	00DS000975	1-1/2	250	.042	6/4	00DS001075			
23'6" to 24'	00DS001069	00DS001081-9	3/4	250	.035	14	00DS000976	1-1/2	100	.042	8/5	00DS001076			
24' to 24'6"	00DS001070	00DS001082	3/4	100	.035	6/4	00DS000977	1-1/2	250	.042	8/5	00DS001077			
24'6" to 25'	00DS001071	00DS001083	3/4	250	.035	6/4	00DS000978	1-1/2	100	.042	10/6	00DS001078			
			3/4	100	.035	8/5	00DS000979	1-1/2	250	.042	10/6	00DS001079			
			3/4	250	.035	8/5	00DS000980	1-1/2	100	.050	6/4	00DS001083			
			3/4	100	.035	10/6	00DS000981	1-1/2	250	.050	8/5	00DS001084			

THE HEAVIER SET OF KERF-PLUS™ PREVENTS BINDING AND PINCHING OF BLADES.

KERF PLUS™ BI-METAL MATRIX WELDED BANDS

HIGH SPEED STEEL

WIDTH THICKNESS				LARGER LENGTHS									
1" .050		1-1/4" .050		1-1/2" .050		1" .050		1-1/4" .050		1-1/2" .050			
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	WIDTH x LTH	THICK -NESS	TPI	PART NUMBER
UP to 7'6"	00DS001430	—	—	16' to 16'6"	00DS001431-8	00DS001435-3	00DS001438-3	1/2"x100'	.020	18	00DS000785		
7'6" to 8'	00DS001430-1	—	—	16'6" to 17'	00DS001431-9	00DS001435-4	00DS001438-4	1/2"x250'	.020	18	00DS000786		
8' to 8'6"	00DS001430-2	—	—	17' to 17'6"	00DS001432	00DS001435-5	00DS001438-5	1/2"x100'	.020	24	00DS000787		
8'6" to 9'	00DS001430-3	—	—	17'6" to 18'	00DS001432-1	00DS001435-6	00DS001438-6	1/2"x250'	.020	24	00DS000788		
9' to 9'6"	00DS001430-4	—	—	18' to 18'6"	00DS001432-2	00DS001435-7	00DS001438-7	1/2"x100'	.020	14/10	00DS000789		
9'6" to 10'	00DS001430-5	00DS001434	—	18'6" to 19'	00DS001432-3	00DS001435-8	00DS001438-8	1/2"x250'	.020	14/10	00DS000790		
10' to 10'6"	00DS001430-6	00DS001434-1	—	19' to 19'6"	00DS001432-4	00DS001435-9	00DS001438-9	1/2"x100'	.020	18/14	00DS000791		
10'6" to 11'	00DS001430-7	00DS001434-2	—	19'6" to 20'	00DS001432-5	00DS001436	00DS001439	1/2"x250'	.020	18/14	00DS000792		
11' to 11'6"	00DS001430-8	00DS001434-3	—	20' to 20'6"	00DS001432-6	00DS001436-1	00DS001439-1	1/2"x100'	.025	10	00DS000834		
11'6" to 12'	00DS001430-9	00DS001434-4	—	20'6" to 21'	00DS001432-7	00DS001436-2	00DS001439-2	1/2"x250'	.025	10	00DS000835		
12' to 12'6"	00DS001431	00DS001434-5	—	21' to 21'6"	00DS001432-8	00DS001436-3	00DS001439-3						
12'6" to 13'	00DS001431-1	00DS001434-6	—	21'6" to 22'	00DS001432-9	00DS001436-4	00DS001439-4						
13' to 13'6"	00DS001431-2	00DS001434-7	—	22' to 22'6"	00DS001433	00DS001436-5	00DS001439-5						
13'6" to 14'	00DS001431-3	00DS001434-8	—	22'6" to 23'	00DS001433-1	00DS001436-6	00DS001439-6						
14' to 14'6"	00DS001431-4	00DS001434-9	—	23' to 23'6"	00DS001433-2	00DS001436-7	00DS001439-7						
14'6" to 15'	00DS001431-5	00DS001435	00DS001438	23'6" to 24'	00DS001433-3	00DS001436-8	00DS001439-8						
15' to 15'6"	00DS001431-6	00DS001435-1	00DS001438-1	24' to 24'6"	00DS001433-4	00DS001436-9	00DS001439-9						
15'6" to 16'	00DS001431-7	00DS001435-2	00DS001438-2	24'6" to 25'	00DS001433-5	00DS001437	00DS001440						

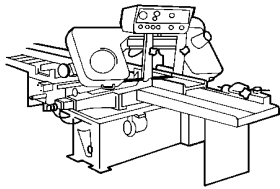
* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH



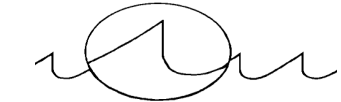
STERLING DIAMOND SAW BLADES

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MX PLUS™
BI-METAL MATRIX
WELDED BANDS
TEETH PER INCH VARIES*

POSITIVE RAKE



HIGH SPEED STEEL

WIDTH THICKNESS	1/4" .025	3/8" .025	3/8" .035	1/2" .025	1/2" .035	3/4" .035	1" .035	1-1/4" .042	1-1/2" .050
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
UP to 5'	00DS001100	00DS001143	00DS001185-1	00DS001186	00DS001186	—	—	—	—
5' to 5'6"	00DS001101	00DS001144	00DS001185-2	00DS001187	00DS001187	—	—	—	—
5'6" to 6'	00DS001102	00DS001145	00DS001185-3	00DS001188	00DS001188	—	—	—	—
6' to 6'6"	00DS001103	00DS001146	00DS001185-4	00DS001189	00DS001189	—	—	—	—
6'6" to 7'	00DS001104	00DS001147	00DS001185-5	00DS001190	00DS001190	—	—	—	—
7' to 7'6"	00DS001105	00DS001148	00DS001185-6	00DS001191	00DS001191	00DS001277	00DS001315	—	—
7'6" to 8'	00DS001106	00DS001149	00DS001185-7	00DS001192	00DS001192	00DS001278	00DS001316	—	—
8' to 8'6"	00DS001107	00DS001150	00DS001185-8	00DS001193	00DS001193	00DS001279	00DS001317	—	—
8'6" to 9'	00DS001108	00DS001151	00DS001185-9	00DS001194	00DS001194	00DS001280	00DS001318	—	—
9' to 9'6"	00DS001109	00DS001152	00DS001185-10	00DS001195	00DS001195	00DS001281	00DS001319	—	—
9'6" to 10'	00DS001110	00DS001153	00DS001185-11	00DS001196	00DS001196	00DS001282	00DS001320	—	—
10' to 10'6"	00DS001111	00DS001154	00DS001185-12	00DS001197	00DS001197	00DS001283	00DS001321	00DS001361	—
10'6" to 11'	00DS001112	00DS001155	00DS001185-13	00DS001198	00DS001198	00DS001284	00DS001322	00DS001362	—
11' to 11'6"	00DS001113	00DS001156	00DS001185-14	00DS001199	00DS001199	00DS001285	00DS001323	00DS001363	—
11'6" to 12'	00DS001114	00DS001157	00DS001185-15	00DS001200	00DS001200	00DS001286	00DS001324	00DS001364	—
12' to 12'6"	00DS001115	00DS001158	00DS001185-16	00DS001201	00DS001201	00DS001287	00DS001325	00DS001365	—
12'6" to 13'	00DS001116	00DS001159	00DS001185-17	00DS001202	00DS001202	00DS001288	00DS001326	00DS001367	—
13' to 13'6"	00DS001117	00DS001160	00DS001185-18	00DS001203	00DS001203	00DS001289	00DS001327	00DS001368	—
13'6" to 14'	00DS001118	00DS001161	00DS001185-19	00DS001204	00DS001204	00DS001290	00DS001328	00DS001369	—
14' to 14'6"	00DS001119	00DS001162	00DS001185-20	00DS001205	00DS001205	00DS001291	00DS001329	00DS001370	—
14'6" to 15'	00DS001120	00DS001163	00DS001185-21	00DS001206	00DS001206	00DS001292	00DS001330	00DS001371	00DS001400
15' to 15'6"	00DS001121	00DS001164	00DS001185-22	00DS001207	00DS001207	00DS001293	00DS001331	00DS001372	00DS001401
15'6" to 16'	00DS001122	00DS001165	00DS001185-23	00DS001208	00DS001208	00DS001294	00DS001332	00DS001373	00DS001402
16' to 16'6"	00DS001123	00DS001166	00DS001185-24	00DS001209	00DS001209	00DS001295	00DS001333	00DS001374	00DS001403
16'6" to 17'	00DS001134	00DS001167	00DS001185-25	00DS001210	00DS001210	00DS001296	00DS001334	00DS001375	00DS001404
17' to 17'6"	00DS001125	00DS001168	00DS001185-26	00DS001211	00DS001211	00DS001297	00DS001335	00DS001376	00DS001405
17'6" to 18'	00DS001126	00DS001169	00DS001185-27	00DS001212	00DS001212	00DS001298	00DS001336	00DS001377	00DS001406
18' to 18'6"	00DS001127	00DS001170	00DS001185-28	00DS001213	00DS001213	00DS001299	00DS001337	00DS001378	00DS001407
18'6" to 19'	00DS001128	00DS001171	00DS001185-29	00DS001214	00DS001214	00DS001300	00DS001338	00DS001379	00DS001408
19' to 19'6"	00DS001129	00DS001172	00DS001185-30	00DS001215	00DS001215	00DS001301	00DS001339	00DS001380	00DS001409
19'6" to 20'	00DS001130	00DS001173	00DS001185-31	00DS001216	00DS001216	00DS001302	00DS001340	00DS001381	00DS001410
20' to 20'6"	00DS001131	00DS001174	00DS001185-32	00DS001217	00DS001217	00DS001303	00DS001341	00DS001382	00DS001411
20'6" to 21'	00DS001132	00DS001175	00DS001185-33	00DS001218	00DS001218	00DS001304	00DS001342	00DS001383	00DS001412
21' to 21'6"	00DS001133	00DS001176	00DS001185-34	00DS001219	00DS001219	00DS001305	00DS001343	00DS001384	00DS001413
21'6" to 22'	00DS001134	00DS001177	00DS001185-35	00DS001220	00DS001220	00DS001306	00DS001344	00DS001385	00DS001414
22' to 22'6"	00DS001135	00DS001178	00DS001185-36	00DS001221	00DS001221	00DS001307	00DS001345	00DS001386	00DS001415
22'6" to 23'	00DS001136	00DS001179	00DS001185-37	00DS001222	00DS001222	00DS001308	00DS001346	00DS001387	00DS001416
23' to 23'6"	00DS001137	00DS001180	00DS001185-8	00DS001223	00DS001223	00DS001309	00DS001347	00DS001388	00DS001417
23'6" to 24'	00DS001138	00DS001181	00DS001185-39	00DS001224	00DS001224	00DS001310	00DS001348	00DS001389	00DS001418
24' to 24'6"	00DS001139	00DS001182	00DS001185-40	00DS001225	00DS001225	00DS001311	00DS001349	00DS001390	00DS001419
24'6" to 25'	00DS001140	00DS001183	00DS001185-41	00DS001226	00DS001226	00DS001312	00DS001350	00DS001391	00DS001420

COILS

WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
1/4	100	.025	6	00DS001141	1/2	250	.035	3 HOOK	00DS001273	1	150	.035	8/5	00DS001359
1/4	250	.025	6	00DS001142	1/2	100	.035	6 HOOK	00DS001274	1	250	.035	8/5	00DS001360
3/8	100	.025	4	00DS001184	1/2	250	.035	6 HOOK	00DS001276	1-1/4	150	.042	3/2	00DS001392
3/8	250	.025	4	00DS001185	3/4	100	.035	3 HOOK	00DS001313	1-1/4	250	.042	3/2	00DS001393
3/8	100	.035	3R-HOOK	00DS001185-42	3/4	250	.035	3 HOOK	00DS001314	1-1/4	150	.042	4/3	00DS001394
3/8	250	.035	3R-HOOK	00DS001185-43	1	100	.035	3 HOOK	00DS001351	1-1/4	250	.042	4/3	00DS001395
3/8	100	.035	4R-HOOK	00DS001185-44	1	250	.035	3 HOOK	00DS001352	1-1/4	150	.042	6/4	00DS001396
3/8	250	.035	4R-HOOK	00DS001185-45	1	150	.035	3/2	00DS001353	1-1/4	250	.042	6/4	00DS001397
1/2	100	.035	4 HOOK	00DS001227	1	250	.035	3/2	00DS001354	1-1/4	150	.042	8/5	00DS001398
1/2	250	.035	4 HOOK	00DS001228	1	150	.035	4/3	00DS001355	1-1/4	250	.042	8/5	00DS001399
1/2	100	.035	6 HOOK	00DS001229	1	250	.035	4/3	00DS001356	1-1/2	150	.050	4/3	00DS001421
1/2	250	.035	6 HOOK	00DS001230	1	150	.035	6/4	00DS001357	1-1/2	150	.050	6/4	00DS001422
1/2	100	.035	3 HOOK	00DS001272	1	250	.035	6/4	00DS001358	1-1/2	150	.050	8/5	00DS001423


* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES



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		TRI-TEMP™			SPRING HARDENED BACK			COILS					
		HARD EDGE, HARD BACK			HARDENED BACK RESISTS SWAGING								
		WELDED BANDS											
		TEETH PER INCH VARIES*			FULL HARD TEETH 64-65 Rc								
WIDTH THICKNESS	1/4" .025	3/8" .025	1/2" .020	1/2" .025	5/8" .032	3/4" .032	1" .035	1-1/4" .042	W D	LTH /FT.	THICK -NESS	TPI	PART NUMBER
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER					
UP to 5'	00DS001450	00DS001511	00DS001570	00DS001615	00DS001684	—	—	—	1/2	100	.025	12/8	00DS001668
5' to 5'6"	00DS001451	00DS001512	00DS001571	00DS001616	00DS001685	—	—	—	1/2	250	.025	12/8	00DS001669
5'6" to 6'	00DS001452	00DS001513	00DS001572	00DS001617	00DS001686	—	—	—	1/2	100	.025	14/10	00DS001670
6' to 6'6"	00DS001453	00DS001514	00DS001573	00DS001618	00DS001687	—	—	—	1/2	250	.025	14/10	00DS001671
6'6" to 7'	00DS001454	00DS001515	00DS001574	00DS001619	00DS001688	—	—	—	1/2	100	.025	18/14	00DS001672
7' to 7'6"	00DS001455	00DS001516	00DS001575	00DS001620	00DS001689	00DS001729	—	—	1/2	250	.025	18/14	00DS001673
7'6" to 8'	00DS001456	00DS001517	00DS001576	00DS001621	00DS001690	00DS001730	—	—	1/2	100	.020	3HOOK	00DS001674
8' to 8'6"	00DS001457	00DS001518	00DS001577	00DS001622	00DS001691	00DS001731	—	—	1/2	250	.020	3HOOK	00DS001675
8'6" to 9'	00DS001458	00DS001519	00DS001578	00DS001623	00DS001692	00DS001732	—	—	1/2	100	.020	4HOOK	00DS001676
9' to 9'6"	00DS001459	00DS001520	00DS001579	00DS001624	00DS001693	00DS001733	—	—	1/2	250	.020	6HOOK	00DS001678
9'6" to 10'	00DS001460	00DS001521	00DS001580	00DS001625	00DS001694	00DS001734	00DS001791	00DS001844	1/2	100	.020	6HOOK	00DS001679
10' to 10'6"	00DS001461	00DS001522	00DS001581	00DS001626	00DS001695	00DS001735	00DS001792	00DS001845	1/2	250	.020	14 W	00DS001680
10'6" to 11'	00DS001462	00DS001523	00DS001582	00DS001627	00DS001696	00DS001736	00DS001793	00DS001846	1/2	100	.020	14 W	00DS001681
11' to 11'6"	00DS001463	00DS001524	00DS001583	00DS001628	00DS001697	00DS001737	00DS001794	00DS001847	1/2	250	.020	24 W	00DS001682
11'6" to 12'	00DS001464	00DS001525	00DS001584	00DS001629	00DS001698	00DS001738	00DS001795	00DS001848	1/2	100	.020	24 W	00DS001683
12' to 12'6"	00DS001465	00DS001526	00DS001585	00DS001630	00DS001699	00DS001739	00DS001796	00DS001849	5/8	100	.032	10 R	00DS001725
12'6" to 13'	00DS001466	00DS001527	00DS001586	00DS001631	00DS001700	00DS001740	00DS001797	00DS001850	5/8	250	.032	10 R	00DS001726
13' to 13'6"	00DS001467	00DS001528	00DS001587	00DS001632	00DS001701	00DS001741	00DS001798	00DS001851	5/8	100	.032	14 R	00DS001727
13'6" to 14'	00DS001468	00DS001529	00DS001588	00DS001633	00DS001702	00DS001742	00DS001799	00DS001852	5/8	250	.032	14 R	00DS001728
14' to 14'6"	00DS001469	00DS001530	00DS001589	00DS001634	00DS001703	00DS001743	00DS001800	00DS001853	5/8	250	.032	14 R	00DS001728
14'6" to 15'	00DS001470	00DS001531	00DS001590	00DS001635	00DS001704	00DS001744	00DS001801	00DS001854	3/4	100	.032	3R SKIP	00DS001765
15' to 15'6"	00DS001471	00DS001532	00DS001591	00DS001636	00DS001705	00DS001745	00DS001802	00DS001855	3/4	250	.032	3R SKIP	00DS001766
15'6" to 16'	00DS001472	00DS001533	00DS001592	00DS001637	00DS001706	00DS001746	00DS001803	00DS001856	3/4	100	.032	6 R	00DS001767
16' to 16'6"	00DS001473	00DS001534	00DS001593	00DS001638	00DS001707	00DS001747	00DS001804	00DS001857	3/4	250	.032	6 R	00DS001768
16'6" to 17'	00DS001474	00DS001535	00DS001594	00DS001639	00DS001708	00DS001748	00DS001805	00DS001858	3/4	100	.032	8 R	00DS001769
17' to 17'6"	00DS001475	00DS001536	00DS001595	00DS001640	00DS001709	00DS001749	00DS001806	00DS001859	3/4	250	.032	8 R	00DS001770
17'6" to 18'	00DS001476	00DS001537	00DS001596	00DS001641	00DS001710	00DS001750	00DS001807	00DS001860	3/4	100	.032	8 R	00DS001770
18' to 18'6"	00DS001477	00DS001538	00DS001597	00DS001642	00DS001711	00DS001751	00DS001808	00DS001861	3/4	250	.032	10 R	00DS001771
18'6" to 19'	00DS001478	00DS001539	00DS001598	00DS001643	00DS001712	00DS001752	00DS001809	00DS001862	3/4	100	.032	10 R	00DS001771
19' to 19'6"	00DS001479	00DS001540	00DS001599	00DS001644	00DS001713	00DS001753	00DS001810	00DS001863	3/4	250	.032	10 R	00DS001772
19'6" to 20'	00DS001480	00DS001541	00DS001600	00DS001645	00DS001714	00DS001754	00DS001811	00DS001864	3/4	100	.032	12 R	00DS001773
20' to 20'6"	00DS001481	00DS001542	00DS001601	00DS001646	00DS001715	00DS001755	00DS001812	00DS001865	3/4	250	.032	12 R	00DS001774
20'6" to 21'	00DS001482	00DS001543	00DS001602	00DS001647	00DS001716	00DS001756	00DS001813	00DS001866	3/4	100	.032	12 R	00DS001775
21' to 21'6"	00DS001483	00DS001544	00DS001603	00DS001648	00DS001717	00DS001757	00DS001814	00DS001867	3/4	250	.032	10 W	00DS001786
21'6" to 22'	00DS001484	00DS001545	00DS001604	00DS001649	00DS001718	00DS001758	00DS001815	00DS001868	3/4	100	.032	10 W	00DS001786
22' to 22'6"	00DS001485	00DS001546	00DS001605	00DS001650	00DS001719	00DS001759	00DS001816	00DS001869	3/4	250	.032	14 W	00DS001787
22'6" to 23'	00DS001486	00DS001547	00DS001606	00DS001651	00DS001720	00DS001760	00DS001817	00DS001870	3/4	100	.032	14 W	00DS001787
23' to 23'6"	00DS001487	00DS001548	00DS001607	00DS001652	00DS001721	00DS001761	00DS001818	00DS001871	3/4	250	.032	18 W	00DS001789
23'6" to 24'	00DS001488	00DS001549	00DS001608	00DS001653	00DS001722	00DS001762	00DS001819	00DS001872	3/4	100	.032	18 W	00DS001789
24' to 24'6"	00DS001489	00DS001550	00DS001609	00DS001654	00DS001723	00DS001763	00DS001820	00DS001873	1	100	.035	6	00DS001822
24'6" to 25'	00DS001490	00DS001551	00DS001610	00DS001655	00DS001724	00DS001764	00DS001821	00DS001874	1	250	.035	6	00DS001823
									1	100	.035	8	00DS001824
									1	250	.035	8	00DS001825
									1	100	.035	10	00DS001826
									1	250	.035	10	00DS001827
									1	100	.035	14	00DS001828
									1	250	.035	14	00DS001829
									1	100	.035	10/6	00DS001830
									1	250	.035	10/6	00DS001831
									1	100	.035	12/8	00DS001832
									1	250	.035	12/8	00DS001833
									1	100	.035	1.2HOOK	00DS001834
									1	250	.035	1.2HOOK	00DS001835
									1	100	.035	2 HOOK	00DS001836
									1	250	.035	2 HOOK	00DS001837
									1	100	.035	3 HOOK	00DS001838
									1	250	.035	3 HOOK	00DS001839
									1	100	.035	10 W	00DS001840
									1	250	.035	10 W	00DS001841
									1	100	.035	6/4 POSI	00DS001842
									1	250	.035	6/4 POSI	00DS001843
									1 1/4	100	.042	8	00DS001875
									1 1/4	250	.042	8	00DS001876

COILS

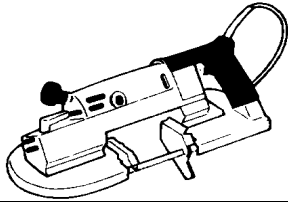
CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES



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**CARBON
HARD EDGE, FLEX BACK
WELDED BANDS
TEETH PER INCH VARIES***

FLEX BACK 30-35 Rc

STERLING CARBON

**FULL
HARD TEETH 64-65 Rc**

WIDTH THICKNESS	1/8" .025	3/16" .025	1/4" .025	3/8" .025	1/2" .020	1/2" .025	5/8" .032	3/4" .032	1" .035	1-1/4" .032
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
UP to 5'	00DS001900	00DS001944	00DS001993	00DS002050	00DS002109	00DS002158	00DS002219	—	—	—
5' to 5'6"	00DS001901	00DS001945	00DS001994	00DS002051	00DS002110	00DS002159	00DS002220	—	—	—
5'6" to 6'	00DS001902	00DS001946	00DS001995	00DS002052	00DS002111	00DS002160	00DS002221	—	—	—
6' to 6'6"	00DS001903	00DS001947	00DS001996	00DS002053	00DS002112	00DS002161	00DS002222	—	—	—
6'6" to 7'	00DS001904	00DS001948	00DS001997	00DS002054	00DS002113	00DS002162	00DS002223	—	—	—
7' to 7'6"	00DS001905	00DS001949	00DS001998	00DS002055	00DS002114	00DS002163	00DS002224	00DS002268	—	—
7'6" to 8'	00DS001906	00DS001950	00DS001999	00DS002056	00DS002115	00DS002164	00DS002225	00DS002269	—	—
8' to 8'6"	00DS001907	00DS001951	00DS002001	00DS002057	00DS002116	00DS002165	00DS002226	00DS002270	—	—
8'6" to 9'	00DS001908	00DS001952	00DS002002	00DS002058	00DS002117	00DS002166	00DS002227	00DS002271	—	—
9' to 9'6"	00DS001909	00DS001953	00DS002003	00DS002059	00DS002118	00DS002167	00DS002228	00DS002272	—	—
9'6" to 10'	00DS001910	00DS001954	00DS002004	00DS002060	00DS002119	00DS002168	00DS002229	00DS002273	00DS002328	00DS002371
10' to 10'6"	00DS001911	00DS001955	00DS002005	00DS002061	00DS002120	00DS002169	00DS002230	00DS002274	00DS002329	00DS002372
10'6" to 11'	00DS001912	00DS001956	00DS002006	00DS002062	00DS002121	00DS002170	00DS002231	00DS002275	00DS002330	00DS002373
11' to 11'6"	00DS001913	00DS001957	00DS002007	00DS002063	00DS002122	00DS002171	00DS002232	00DS002276	00DS002331	00DS002374
11'6" to 12'	00DS001914	00DS001958	00DS002008	00DS002064	00DS002123	00DS002172	00DS002233	00DS002277	00DS002332	00DS002375
12' to 12'6"	00DS001915	00DS001959	00DS002009	00DS002065	00DS002124	00DS002173	00DS002234	00DS002278	00DS002333	00DS002376
12'6" to 13'	00DS001916	00DS001960	00DS002010	00DS002066	00DS002125	00DS002174	00DS002235	00DS002279	00DS002334	00DS002377
13' to 13'6"	00DS001917	00DS001961	00DS002011	00DS002067	00DS002126	00DS002175	00DS002236	00DS002280	00DS002335	00DS002378
13'6" to 14'	00DS001918	00DS001962	00DS002012	00DS002068	00DS002127	00DS002176	00DS002237	00DS002281	00DS002336	00DS002379
14' to 14'6"	00DS001919	00DS001963	00DS002013	00DS002069	00DS002128	00DS002177	00DS002238	00DS002282	00DS002337	00DS002380
14'6" to 15'	00DS001920	00DS001964	00DS002014	00DS002070	00DS002129	00DS002178	00DS002239	00DS002283	00DS002338	00DS002381
15' to 15'6"	00DS001921	00DS001965	00DS002015	00DS002071	00DS002130	00DS002179	00DS002240	00DS002284	00DS002339	00DS002382
15'6" to 16'	00DS001922	00DS001966	00DS002016	00DS002072	00DS002131	00DS002180	00DS002241	00DS002285	00DS002340	00DS002383
16' to 16'6"	00DS001923	00DS001967	00DS002017	00DS002073	00DS002132	00DS002181	00DS002242	00DS002286	00DS002341	00DS002384
16'6" to 17'	00DS001924	00DS001968	00DS002018	00DS002074	00DS002133	00DS002182	00DS002243	00DS002287	00DS002342	00DS002385
17' to 17'6"	00DS001925	00DS001969	00DS002019	00DS002075	00DS002134	00DS002183	00DS002244	00DS002288	00DS002343	00DS002386
17'6" to 18'	00DS001926	00DS001970	00DS002020	00DS002076	00DS002135	00DS002184	00DS002245	00DS002289	00DS002344	00DS002387
18' to 18'6"	00DS001927	00DS001971	00DS002021	00DS002077	00DS002136	00DS002185	00DS002246	00DS002290	00DS002345	00DS002388
18'6" to 19'	00DS001928	00DS001972	00DS002022	00DS002078	00DS002137	00DS002186	00DS002247	00DS002291	00DS002346	00DS002389
19' to 19'6"	00DS001929	00DS001973	00DS002023	00DS002079	00DS002138	00DS002187	00DS002248	00DS002292	00DS002347	00DS002390
19'6" to 20'	00DS001930	00DS001974	00DS002024	00DS002080	00DS002139	00DS002188	00DS002249	00DS002293	00DS002348	00DS002391
20' to 20'6"	00DS001931	00DS001975	00DS002025	00DS002081	00DS002140	00DS002189	00DS002250	00DS002294	00DS002349	00DS002392
20'6" to 21'	00DS001932	00DS001976	00DS002026	00DS002082	00DS002141	00DS002190	00DS002251	00DS002295	00DS002350	00DS002393
21' to 21'6"	00DS001933	00DS001977	00DS002027	00DS002083	00DS002142	00DS002191	00DS002252	00DS002296	00DS002351	00DS002394
21'6" to 22'	00DS001934	00DS001978	00DS002028	00DS002084	00DS002143	00DS002192	00DS002253	00DS002297	00DS002352	00DS002395
22' to 22'6"	00DS001935	00DS001979	00DS002029	00DS002085	00DS002144	00DS002193	00DS002254	00DS002298	00DS002353	00DS002396
22'6" to 23'	00DS001936	00DS001980	00DS002030	00DS002086	00DS002145	00DS002194	00DS002255	00DS002299	00DS002354	00DS002397
23' to 23'6"	00DS001937	00DS001981	00DS002031	00DS002087	00DS002146	00DS002195	00DS002256	00DS002300	00DS002355	00DS002398
23'6" to 24'	00DS001938	00DS001982	00DS002032	00DS002088	00DS002147	00DS002196	00DS002257	00DS002301	00DS002356	00DS002399
24' to 24'6"	00DS001939	00DS001983	00DS002033	00DS002089	00DS002148	00DS002197	00DS002258	00DS002302	00DS002357	00DS002400
24'6" to 25'	00DS001940	00DS001984	00DS002034	00DS002090	00DS002149	00DS002198	00DS002259	00DS002303	00DS002358	00DS002401

LARGER LENGTHS

WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
1/8	100	.025	14 R	00DS001941	1/4	100	.025	6 R	00DS002036	1/4	250	.025	24 W	00DS002049
1/8	100	.025	18 R	00DS001942	1/4	250	.025	6 R	00DS002037	3/8	100	.025	3 SKIP	00DS002091
1/8	100	.025	24 R	00DS001943	1/4	100	.025	10 R	00DS002038	3/8	250	.025	3 SKIP	00DS002092
3/16	100	.025	4 R	00DS001985	1/4	250	.025	10 R	00DS002039	3/8	100	.025	4 SKIP	00DS002093
3/16	250	.025	4 R	00DS001986	1/4	100	.025	14 R	00DS002040	3/8	250	.025	4 SKIP	00DS002094
3/16	100	.025	10 R	00DS001987	1/4	250	.025	14 R	00DS002041	3/8	100	.025	8 R	00DS002095
3/16	250	.025	10 R	00DS001988	1/4	100	.025	18 R	00DS002042	3/8	250	.025	8 R	00DS002096
3/16	100	.025	14 R	00DS001989	1/4	250	.025	18 R	00DS002043	3/8	100	.025	10 R	00DS002097
3/16	250	.025	14 R	00DS001990	1/4	100	.025	4 HOOK	00DS002044	3/8	250	.025	10 R	00DS002098
3/16	100	.025	18 R	00DS001991	1/4	250	.025	4 HOOK	00DS002045	3/8	100	.025	14 R	00DS002099
3/16	250	.025	18 R	00DS001992	1/4	100	.025	6 HOOK	00DS002046	3/8	250	.025	14 R	00DS002100
1/4	100	.025	4 R	00DS002034	1/4	250	.025	6 HOOK	00DS002047	3/8	100	.025	18 R	00DS002101
1/4	250	.025	4 R	00DS002035	1/4	100	.025	24 W	00DS002048	3/8	250	.025	18 R	00DS002102

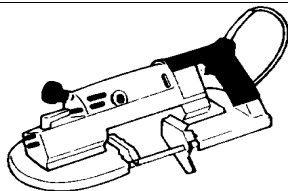
* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES



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**CARBON
HARD EDGE, FLEX BACK
WELDED BANDS
TEETH PER INCH VARIES***

**FLEX BACK 30-35 Rc
STERLING CARBON
FULL
HARD TEETH 64-65 Rc**

COILS

WIDT H	LTH/ FT.	THICK -NESS	TPI	PART NUMBER	WIDT H	LTH/ FT.	THICK -NESS	TPI	PART NUMBER	WIDT H	LTH/ FT.	THICK -NESS	TPI	PART NUMBER
	100	.025	3 HOOK	00DS002103		100	.020	4 HOOK	00DS002213		250	.032	14 R	00DS002317
3/8	250	.025	3 HOOK	00DS002104	1/2	250	.020	4 HOOK	00DS002214	3/4	100	.032	2 HOOK	00DS002318
3/8	100	.025	4 HOOK	00DS002105	1/2	100	.020	6 HOOK	00DS002215	3/4	250	.032	2 HOOK	00DS002319
3/8	250	.025	4 HOOK	00DS002106	1/2	250	.020	6 HOOK	00DS002216	3/4	100	.032	3 HOOK	00DS002320
3/8	100	.025	6 HOOK	00DS002107	1/2	100	.020	24 W	00DS002217	3/4	250	.032	3 HOOK	00DS002321
3/8	250	.025	6 HOOK	00DS002108	1/2	250	.020	24 W	00DS002218	3/4	100	.032	4 HOOK	00DS002322
3/8	100	.020	10 R	00DS002150	1/2	100	.032	3 SKIP	00DS002260	3/4	250	.032	4 HOOK	00DS002323
1/2	250	.020	10 R	00DS002151	5/8	250	.032	3 SKIP	00DS002261	3/4	100	.032	6 HOOK	00DS002324
1/2	100	.020	14 R	00DS002152	5/8	100	.032	10 R	00DS002262	3/4	250	.032	6 HOOK	00DS002325
1/2	250	.020	14 R	00DS002153	5/8	250	.032	10 R	00DS002263	3/4	100	.032	18 W	00DS002326
1/2	100	.020	18 R	00DS002154	5/8	100	.032	14 R	00DS002264	3/4	250	.032	18 W	00DS002327
1/2	250	.020	18 R	00DS002155	5/8	250	.032	14 R	00DS002265	3/4	100	.035	3 SKIP	00DS002359
1/2	100	.020	24 W	00DS002156	5/8	100	.032	4 HOOK	00DS002266	1	250	.035	3 SKIP	00DS002360
1/2	250	.020	24 W	00DS002157	5/8	250	.032	4 HOOK	00DS002267	1	100	.035	6 R	00DS002361
1/2	100	.025	3 SKIP	00DS002199	5/8	100	.032	3 SKIP	00DS002304	1	250	.035	6 R	00DS002362
1/2	250	.025	3 SKIP	00DS002200	3/4	250	.032	3 SKIP	00DS002305	1	100	.035	10 R	00DS002363
1/2	100	.025	4 SKIP	00DS002201	3/4	100	.032	4 SKIP	00DS002306	1	250	.035	10 R	00DS002364
1/2	250	.025	4 SKIP	00DS002202	3/4	250	.032	4 SKIP	00DS002307	1	100	.035	14 R	00DS002365
1/2	100	.025	6 R	00DS002203	3/4	100	.032	6 R	00DS002308	1	250	.035	14 R	00DS002366
1/2	250	.025	6 R	00DS002204	3/4	250	.032	6 R	00DS002309	1	100	.035	2 HOOK	00DS002367
1/2	100	.025	10 R	00DS002205	3/4	100	.032	8 R	00DS002310	1	250	.035	2 HOOK	00DS002368
1/2	250	.025	10 R	00DS002206	3/4	250	.032	8 R	00DS002311	1	100	.035	3 HOOK	00DS002369
1/2	100	.025	14 R	00DS002207	3/4	100	.032	10 R	00DS002312	1	250	.035	3 HOOK	00DS002370
1/2	250	.025	14 R	00DS002208	3/4	250	.032	10 R	00DS002313	1	100	.042	2 HOOK	00DS002402
1/2	100	.025	18 R	00DS002209	3/4	100	.032	12 R	00DS002314	1-1/4	250	.042	2 HOOK	00DS002403
1/2	250	.025	18 R	00DS002210	3/4	250	.032	12 R	00DS002315	1-1/4	100	.042	3 HOOK	00DS002404
1/2	100	.020	3 HOOK	00DS002211	3/4	100	.032	14 R	00DS002316	1-1/4	250	.042	3 HOOK	00DS002405
1/2	250	.020	3 HOOK	00DS002212	3/4					1-1/4				

**HEAVY DUTY FOR WOOD, METAL
AND THE FURNITURE INDUSTRIES
HARD EDGE, FLEX BACK**

X-TRA DUTY™ .032 BAND SAW BLADES

LARGER LENGTHS

WIDTH THICKNESS	1/4" .032	3/8" .032	1/2" .032	WIDTH THICKNESS	1" .032	1-1/4" .032	1-1/2" .032	WIDTH x LNG	THICK -NESS	TPI	PART NUMBER
UP to 10'	00DS002425	00DS002458	00DS002497	17'6" to 18'	00DS002441	00DS002474	00DS002513	1/4"x100'	.032	4 HOOK	00DS002456
10' to 10'6"	00DS002426	00DS002459	00DS002498	18' to 18'6"	00DS002442	00DS002475	00DS002514	1/4"x250'	.032	4 HOOK	00DS002457
10'6" to 11'	00DS002427	00DS002460	00DS002499	18'6" to 19'	00DS002443	00DS002476	00DS002515	3/8"x100'	.032	4 HOOK	00DS002489
11' to 11'6"	00DS002428	00DS002461	00DS002500	19' to 19'6"	00DS002444	00DS002477	00DS002516	3/8"x250'	.032	2 HOOK	00DS002490
11'6" to 12'	00DS002429	00DS002462	00DS002501	19'6" to 20'	00DS002445	00DS002478	00DS002517	3/8"x100'	.032	3 HOOK	00DS002491
12' to 12'6"	00DS002430	00DS002463	00DS002502	20' to 20'6"	00DS002446	00DS002479	00DS002518	3/8"x250'	.032	3 HOOK	00DS002492
12'6" to 13'	00DS002431	00DS002464	00DS002503	20'6" to 21'	00DS002447	00DS002480	00DS002519	3/8"x100'	.032	3 ETS	00DS002493
13' to 13'6"	00DS002432	00DS002465	00DS002504	21' to 21'6"	00DS002448	00DS002481	00DS002520	3/8"x250'	.032	3 ETS	00DS002494
13'6" to 14'	00DS002433	00DS002466	00DS002505	21'6" to 22'	00DS002449	00DS002482	00DS002521	3/8"x100'	.032	4 HOOK	00DS002495
14' to 14'6"	00DS002434	00DS002467	00DS002506	22' to 22'6"	00DS002450	00DS002483	00DS002522	3/8"x250'	.032	4 HOOK	00DS002496
14'6" to 15'	00DS002435	00DS002468	00DS002507	22'6" to 23'	00DS002451	00DS002484	00DS002523	1/2"x100'	.032	2 HOOK	00DS002528
15' to 15'6"	00DS002436	00DS002469	00DS002508	23' to 23'6"	00DS002452	00DS002485	00DS002524	1/2"x250'	.032	2 HOOK	00DS002529
15'6" to 16'	00DS002437	00DS002470	00DS002509	23'6" to 24'	00DS002453	00DS002486	00DS002525	1/2"x100'	.032	3 HOOK	00DS002560
16' to 16'6"	00DS002438	00DS002471	00DS002510	24' to 24'6"	00DS002454	00DS002487	00DS002526	1/2"x250'	.032	3 HOOK	00DS002531
16'6" to 17'	00DS002439	00DS002472	00DS002511	24'6" to 25'	00DS002455	00DS002488	00DS002527	1/2"x100'	.032	4 HOOK	00DS002532
17' to 17'6"	00DS002440	00DS002473	00DS002512					1/2"x250'	.032	4 HOOK	00DS002533

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

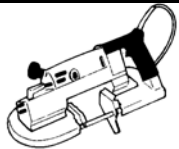
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STERLING DIAMOND SAW BLADES



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WIDTH THICKNESS	1"	1-1/4"	2"	PLY-CORE BAND SAW BLADES HARD EDGE, FLEX BACK HEAVY SET FOR SOFT OR GREEN LUMBER TEETH PER INCH VARIES*	FOUNDRY BAND SAW BLADES HARD EDGE, FLEX BACK RECOMMENDED FOR CUTTING LARGE ALUMINUM BILLETS TEETH PER INCH VARIES*							
	.035	.042	.042									
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	COILS								
UP to 10'	00DS002700	00DS002733	00DS002766	WIDTH	LNG	THICK -NESS	TPI	PART NUMBER	WIDTH	LENGTH	TPI	PART NUMBER
10' to 10'6"	00DS002701	00DS002734	00DS002767									
10'6" to 11'	00DS002702	00DS002735	00DS002768	1-1/4	150	.042	1.3 HOOK	00DS002764				
11' to 11'6"	00DS002703	00DS002736	00DS002769	1-1/4	250	.042	1.2 HOOK	00DS002765				
11'6" to 12'	00DS002704	00DS002737	00DS002770	2	100	.035	1.2R HOOK	00DS002797				
12' to 12'6"	00DS002705	00DS002738	00DS002771	<div style="border: 2px solid black; padding: 5px; text-align: center;"> PLY-CORE BANDS WITH SPECIALLY SET TEETH ARE RECOMMENDED FOR TRIM CUTTING PLYWOOD CORES </div> <div style="border: 2px solid black; padding: 5px; text-align: center; margin-top: 10px;"> FOUNDRY BANDS ARE RECOMMENDED FOR CUTTING LARGE ALUMINUM BILLETS. </div>								
12'6" to 13'	00DS002706	00DS002739	00DS002772									
13' to 13'6"	00DS002707	00DS002740	00DS002773									
13'6" to 14'	00DS002708	00DS002741	00DS002774									
14' to 14'6"	00DS002709	00DS002742	00DS002775									
14'6" to 15'	00DS002710	00DS002743	00DS002776									
15' to 15'6"	00DS002711	00DS002744	00DS002777									
15'6" to 16'	00DS002712	00DS002745	00DS002778									
16' to 16'6"	00DS002713	00DS002746	00DS002779									
16'6" to 17'	00DS002714	00DS002747	00DS002780									
17' to 17'6"	00DS002715	00DS002748	00DS002781									
17'6" to 18'	00DS002716	00DS002749	00DS002782									
18' to 18'6"	00DS002717	00DS002750	00DS002783									
18'6" to 19'	00DS002718	00DS002751	00DS002784									
19' to 19'6"	00DS002719	00DS002752	00DS002785									
19'6" to 20'	00DS002720	00DS002753	00DS002786									
20' to 20'6"	00DS002721	00DS002754	00DS002787									
20'6" to 21'	00DS002722	00DS002755	00DS002788									
21' to 21'6"	00DS002723	00DS002756	00DS002789									
21'6" to 22'	00DS002724	00DS002757	00DS002790									
22' to 22'6"	00DS002725	00DS002758	00DS002791									
22'6" to 23'	00DS002726	00DS002759	00DS002792									
23' to 23'6"	00DS002727	00DS002760	00DS002793									
23'6" to 24'	00DS002728	00DS002761	00DS002794									
24' to 24'6"	00DS002729	00DS002762	00DS002795									
24'6" to 25'	00DS002730	00DS002763	00DS002796									



CARBON E.T.S. WELDED BANDS TEETH PER INCH VARIES

HARD EDGE FLEX BACK

WIDTH THICKNESS	1/4"	3/8"	1/2"	3/4"	WIDTHS THICKNESS	1/4"	3/8"	1/2"	3/4"
	.025	.025	.032	.035		.025	.025	.032	.035
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
UP to 5'	00DS002835	00DS002878	00DS002923	—	15' to 15'6"	00DS002856	00DS002899	00DS002944	00DS002982
5' to 5'6"	00DS002836	00DS002879	00DS002924	—	15'6" to 16'	00DS002857	00DS002900	00DS002945	00DS002983
5'6" to 6'	00DS002837	00DS002880	00DS002925	—	16' to 16'6"	00DS002858	00DS002901	00DS002946	00DS002984
6' to 6'6"	00DS002838	00DS002881	00DS002926	—	16'6" to 17'	00DS002859	00DS002902	00DS002947	00DS002985
6'6" to 7'	00DS002839	00DS002882	00DS002927	—	17' to 17'6"	00DS002860	00DS002903	00DS002948	00DS002986
7' to 7'6"	00DS002840	00DS002883	00DS002928	00DS002966	17'6" to 18'	00DS002861	00DS002904	00DS002949	00DS002987
7'6" to 8'	00DS002841	00DS002884	00DS002929	00DS002967	18' to 18'6"	00DS002862	00DS002905	00DS002950	00DS002988
8' to 8'6"	00DS002842	00DS002885	00DS002930	00DS002968	18'6" to 19'	00DS002863	00DS002906	00DS002951	00DS002989
8'6" to 9'	00DS002843	00DS002886	00DS002931	00DS002969	19' to 19'6"	00DS002864	00DS002907	00DS002952	00DS002990
9' to 9'6"	00DS002844	00DS002887	00DS002932	00DS002970	19'6" to 20'	00DS002865	00DS002908	00DS002953	00DS002991
9'6" to 10'	00DS002845	00DS002888	00DS002933	00DS002971	20' to 20'6"	00DS002866	00DS002909	00DS002954	00DS002992
10' to 10'6"	00DS002846	00DS002889	00DS002934	00DS002972	20'6" to 21'	00DS002867	00DS002910	00DS002955	00DS002993
10'6" to 11'	00DS002847	00DS002890	00DS002935	00DS002973	21' to 21'6"	00DS002868	00DS002911	00DS002956	00DS002994
11' to 11'6"	00DS002848	00DS002891	00DS002936	00DS002974	21'6" to 22'	00DS002869	00DS002912	00DS002957	00DS002995
11'6" to 12'	00DS002849	00DS002892	00DS002937	00DS002975	22' to 22'6"	00DS002870	00DS002913	00DS002958	00DS002996
12' to 12'6"	00DS002850	00DS002893	00DS002938	00DS002976	22'6" to 23'	00DS002871	00DS002914	00DS002959	00DS002997
12'6" to 13'	00DS002851	00DS002894	00DS002939	00DS002977	23' to 23'6"	00DS002872	00DS002915	00DS002960	00DS002998
13' to 13'6"	00DS002852	00DS002895	00DS002940	00DS002978	23'6" to 24'	00DS002873	00DS002916	00DS002961	00DS002999
13'6" to 14'	00DS002853	00DS002896	00DS002941	00DS002979	24' to 24'6"	00DS002874	00DS002917	00DS002962	00DS003000
14' to 14'6"	00DS002854	00DS002897	00DS002942	00DS002980	24'6" to 25'	00DS002875	00DS002918	00DS002963	00DS003001
14'6" to 15'	00DS002855	00DS002898	00DS002943	00DS002981					

LARGER LENGTHS OF CARBON E.T.S. WELDED BANDS ARE AVAILABLE. ASK YOUR SALES SPECIALIST.

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH



STERLING DIAMOND SAW BLADES

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MILL BAND SAW BLADES TEETH PER INCH VARIES*

HARD EDGE, FLEX BACK HEAVY DUTY FOR WOOD, METAL AND THE FURNITURE INDUSTRIES					HARD EDGE, HARD BACK SPRING HARDENED BACK, ADDED TENSILE STRENGTH, CUTS HEAVIER FEED RATES.			
WIDTH THICKNESS	1" .035	1-1/4" .0352	1-1/4" .042	2" .042	WIDTH THICKNESS	1" .035	1" .042	1-1/4" .042
LENGTH	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	LENGTH	PART NUMBER	PART NUMBER	PART NUMBER
UP to 10'					UP to 10'			
10' to 10'6"	00DS002550	00DS002585	00DS002618	00DS002655	10' to 10'6"	00DS003010	00DS003045	00DS003077
10'6" to 11'	00DS002551	00DS002586	00DS002619	00DS002656	10'6" to 11'	00DS003011	00DS003046	00DS003078
11' to 11'6"	00DS002552	00DS002587	00DS002620	00DS002657	10'6" to 11'	00DS003012	00DS003047	00DS003079
11'6" to 12'	00DS002553	00DS002588	00DS002621	00DS002658	11' to 11'6"	00DS003013	00DS003048	00DS003080
12' to 12'6"	00DS002554	00DS002589	00DS002622	00DS002659	11'6" to 12'	00DS003014	00DS003049	00DS003081
12'6" to 13'	00DS002555	00DS002590	00DS002623	00DS002660	12' to 12'6"	00DS003015	00DS003050	00DS003082
13' to 13'6"	00DS002556	00DS002591	00DS002624	00DS002661	12'6" to 13'	00DS003016	00DS003051	00DS003083
13'6" to 14'	00DS002557	00DS002592	00DS002625	00DS002662	13' to 13'6"	00DS003017	00DS003052	00DS003084
14' to 14'6"	00DS002558	00DS002593	00DS002626	00DS002663	13'6" to 14'	00DS003018	00DS003053	00DS003085
14'6" to 15'	00DS002559	00DS002594	00DS002627	00DS002664	14' to 14'6"	00DS003019	00DS003054	00DS003086
15' to 15'6"	00DS002560	00DS002595	00DS002628	00DS002665	14'6" to 15'	00DS003020	00DS003055	00DS003087
15'6" to 16'	00DS002561	00DS002596	00DS002629	00DS002666	15' to 15'6"	00DS003021	00DS003056	00DS003088
16' to 16'6"	00DS002562	00DS002597	00DS002630	00DS002667	15'6" to 16'	00DS003022	00DS003057	00DS003089
16'6" to 17'	00DS002563	00DS002598	00DS002631	00DS002668	16' to 16'6"	00DS003023	00DS003058	00DS003090
17' to 17'6"	00DS002564	00DS002599	00DS002632	00DS002669	16'6" to 17'	00DS003024	00DS003059	00DS003091
17'6" to 18'	00DS002565	00DS002600	00DS002633	00DS002670	17' to 17'6"	00DS003025	00DS003060	00DS003092
18' to 18'6"	00DS002566	00DS002601	00DS002634	00DS002671	17'6" to 18'	00DS003026	00DS003061	00DS003093
18'6" to 19'	00DS002567	00DS002602	00DS002635	00DS002672	18' to 18'6"	00DS003027	00DS003062	00DS003094
19' to 19'6"	00DS002568	00DS002603	00DS002636	00DS002673	18'6" to 19'	00DS003028	00DS003063	00DS003095
19'6" to 20'	00DS002569	00DS002604	00DS002637	00DS002674	19' to 19'6"	00DS003029	00DS003064	00DS003096
20' to 20'6"	00DS002570	00DS002605	00DS002638	00DS002675	19'6" to 20'	00DS003030	00DS003065	00DS003097
20'6" to 21'	00DS002571	00DS002606	00DS002639	00DS002676	20' to 20'6"	00DS003031	00DS003066	00DS003098
21' to 21'6"	00DS002572	00DS002607	00DS002640	00DS002677	20'6" to 21'	00DS003032	00DS003067	00DS003099
21'6" to 22'	00DS002573	00DS002608	00DS002641	00DS002678	21' to 21'6"	00DS003033	00DS003068	00DS003100
22' to 22'6"	00DS002574	00DS002609	00DS002642	00DS002679	21'6" to 22'	00DS003034	00DS003069	00DS003101
22'6" to 23'	00DS002575	00DS002610	00DS002643	00DS002680	22' to 22'6"	00DS003035	00DS003070	00DS003102
23' to 23'6"	00DS002576	00DS002611	00DS002644	00DS002681	22'6" to 23'	00DS003036	00DS003071	00DS003103
23'6" to 24'	00DS002577	00DS002612	00DS002645	00DS002682	23' to 23'6"	00DS003037	00DS003072	00DS003104
24' to 24'6"	00DS002578	00DS002613	00DS002646	00DS002683	23'6" to 24'	00DS003038	00DS003073	00DS003105
24'6" to 25'	00DS002579	00DS002614	00DS002647	00DS002684	24' to 24'6"	00DS003039	00DS003074	00DS003106
	00DS002580	00DS002615	00DS002648	00DS002685	24'6" to 25'	00DS003040	00DS003075	00DS003107

COILS					COILS				
WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
1	100	.035	2 HOOK	00DS002581	1	100	.035	2 HOOK	00DS003041
1	250	.035	2 HOOK	00DS002582	1	250	.035	2 HOOK	00DS003042
1	250	.035	1.3 HOOK	00DS002583	1	100	.035	1.3 HOOK	00DS003043
1	250	.035	1.2 HOOK	00DS002584	1	250	.035	1.3 HOOK	00DS003044
1-1/4	150	.035	1.2 HOOK	00DS002616	1	100	.042	1.3 HOOK	00DS003076
1-1/4	250	.035	1.2 HOOK	00DS002617	1-1/4	250	.042	1.3 HOOK	00DS003108
1-1/4	100	.042	2 HOOK	00DS002649	1-1/4	100	.042	1.3 HOOK	00DS003109
1-1/4	250	.042	2 HOOK	00DS002650	1-1/4	150	.042	1.2 HOOK	00DS003110
1-1/4	100	.042	1.3 HOOK	00DS002651	1-1/4	250	.042	1.2 HOOK	00DS003111
1-1/4	100	.042	1.3 HOOK	00DS002652					
1-1/4	250	.042	1.2 HOOK	00DS002653					
1-1/4	100	.042	1.2 HOOK	00DS002654					
2	150	.042	1.2 HOOK	00DS002686					

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY LNG=LENGTH

STERLING DIAMOND SAW BLADES



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FRICION BANDS HARD EDGE, FLEX BACK FOR FRICTION CUTTING ONLY TEETH PER INCH VARIES					KLEEN-CUT™ BUTCHER BANDS TEETH PER INCH VARIES 30-35 Rc FULL HARD TEETH 64-65Rc NARROW KERF, CLEAN CUTS			BENCH TOP BANDS HARD EDGE, FLEX BACK PRECISION SET FOR SMOOTH CUTS TEETH PER INCH VARIES																																																																																																																																																																																																																																																																																																																																																																																																																		
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<tr><td>8'6" to 9'</td><td>00DS003123</td><td>00DS003168</td><td>00DS003209</td><td>—</td></tr> <tr><td>9' to 9'6"</td><td>00DS003124</td><td>00DS003169</td><td>00DS003210</td><td>—</td></tr> <tr><td>9'6" to 10'</td><td>00DS003125</td><td>00DS003170</td><td>00DS003211</td><td>00DS003246</td></tr> <tr><td>10' to 10'6"</td><td>00DS003126</td><td>00DS003171</td><td>00DS003212</td><td>00DS003247</td></tr> <tr><td>10'6" to 11'</td><td>00DS003127</td><td>00DS003172</td><td>00DS003213</td><td>00DS003248</td></tr> <tr><td>11' to 11'6"</td><td>00DS003128</td><td>00DS003173</td><td>00DS003214</td><td>00DS003249</td></tr> <tr><td>11'6" to 12'</td><td>00DS003129</td><td>00DS003174</td><td>00DS003215</td><td>00DS003250</td></tr> <tr><td>12' to 12'6"</td><td>00DS003130</td><td>00DS003175</td><td>00DS003216</td><td>00DS003251</td></tr> <tr><td>12'6" to 13'</td><td>00DS003131</td><td>00DS003176</td><td>00DS003217</td><td>00DS003252</td></tr> <tr><td>13' to 13'6"</td><td>00DS003132</td><td>00DS003177</td><td>00DS003218</td><td>00DS003253</td></tr> <tr><td>13'6" to 14'</td><td>00DS003133</td><td>00DS003178</td><td>00DS003219</td><td>00DS003254</td></tr> <tr><td>14' to 14'6"</td><td>00DS003134</td><td>00DS003179</td><td>00DS003220</td><td>00DS003255</td></tr> <tr><td>14'6" to 15'</td><td>00DS003135</td><td>00DS003180</td><td>00DS003221</td><td>00DS003256</td></tr> <tr><td>15' to 15'6"</td><td>00DS003136</td><td>00DS003181</td><td>00DS003222</td><td>00DS003257</td></tr> <tr><td>15'6" to 16'</td><td>00DS003137</td><td>00DS003182</td><td>00DS003223</td><td>00DS003258</td></tr> <tr><td>16' to 16'6"</td><td>00DS003138</td><td>00DS003183</td><td>00DS003224</td><td>00DS003259</td></tr> <tr><td>16'6" to 17'</td><td>00DS003139</td><td>00DS003184</td><td>00DS003225</td><td>00DS003260</td></tr> <tr><td>17' to 17'6"</td><td>00DS003140</td><td>00DS003185</td><td>00DS003226</td><td>00DS003261</td></tr> <tr><td>17'6" to 18'</td><td>00DS003141</td><td>00DS003186</td><td>00DS003227</td><td>00DS003262</td></tr> <tr><td>18' to 18'6"</td><td>00DS003142</td><td>00DS003187</td><td>00DS003228</td><td>00DS003263</td></tr> <tr><td>18'6" to 19'</td><td>00DS003143</td><td>00DS003188</td><td>00DS003229</td><td>00DS003264</td></tr> <tr><td>19' to 19'6"</td><td>00DS003144</td><td>00DS003189</td><td>00DS003230</td><td>00DS003265</td></tr> <tr><td>19'6" to 20'</td><td>00DS003145</td><td>00DS003191</td><td>00DS003231</td><td>00DS003266</td></tr> <tr><td>20' to 20'6"</td><td>00DS003146</td><td>00DS003192</td><td>00DS003232</td><td>00DS003267</td></tr> <tr><td>20'6" to 21'</td><td>00DS003147</td><td>00DS003193</td><td>00DS003233</td><td>00DS003268</td></tr> <tr><td>21' to 21'6"</td><td>00DS003148</td><td>00DS003194</td><td>00DS003234</td><td>00DS003269</td></tr> <tr><td>21'6" to 22'</td><td>00DS003149</td><td>00DS003195</td><td>00DS003235</td><td>00DS003270</td></tr> <tr><td>22' to 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8'	00DS003121	00DS003166	00DS003207	—	8' to 8'6"	00DS003122	00DS003167	00DS003208	—	8'6" to 9'	00DS003123	00DS003168	00DS003209	—	9' to 9'6"	00DS003124	00DS003169	00DS003210	—	9'6" to 10'	00DS003125	00DS003170	00DS003211	00DS003246	10' to 10'6"	00DS003126	00DS003171	00DS003212	00DS003247	10'6" to 11'	00DS003127	00DS003172	00DS003213	00DS003248	11' to 11'6"	00DS003128	00DS003173	00DS003214	00DS003249	11'6" to 12'	00DS003129	00DS003174	00DS003215	00DS003250	12' to 12'6"	00DS003130	00DS003175	00DS003216	00DS003251	12'6" to 13'	00DS003131	00DS003176	00DS003217	00DS003252	13' to 13'6"	00DS003132	00DS003177	00DS003218	00DS003253	13'6" to 14'	00DS003133	00DS003178	00DS003219	00DS003254	14' to 14'6"	00DS003134	00DS003179	00DS003220	00DS003255	14'6" to 15'	00DS003135	00DS003180	00DS003221	00DS003256	15' to 15'6"	00DS003136	00DS003181	00DS003222	00DS003257	15'6" to 16'	00DS003137	00DS003182	00DS003223	00DS003258	16' to 16'6"	00DS003138	00DS003183	00DS003224	00DS003259	16'6" to 17'	00DS003139	00DS003184	00DS003225	00DS003260	17' to 17'6"	00DS003140	00DS003185	00DS003226	00DS003261	17'6" to 18'	00DS003141	00DS003186	00DS003227	00DS003262	18' to 18'6"	00DS003142	00DS003187	00DS003228	00DS003263	18'6" to 19'	00DS003143	00DS003188	00DS003229	00DS003264	19' to 19'6"	00DS003144	00DS003189	00DS003230	00DS003265	19'6" to 20'	00DS003145	00DS003191	00DS003231	00DS003266	20' to 20'6"	00DS003146	00DS003192	00DS003232	00DS003267	20'6" to 21'	00DS003147	00DS003193	00DS003233	00DS003268	21' to 21'6"	00DS003148	00DS003194	00DS003234	00DS003269	21'6" to 22'	00DS003149	00DS003195	00DS003235	00DS003270	22' to 22'6"	00DS003150	00DS003196	00DS003236	00DS003271	22'6" to 23'	00DS003151	00DS003197	00DS003237	00DS003272	23' to 23'6"	00DS003152	00DS003198	00DS003238	00DS003273	23'6" to 24'	00DS003153	00DS003299	00DS003239	00DS003274	24' to 24'6"	00DS003154	00DS003200	00DS003240	00DS003275	24'6" to 25'	00DS003155	00DS003201	00DS003241	00DS003277	<table border="1"> <thead> <tr> 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17'6"</td><td>00DS003310</td><td>00DS003355</td></tr> <tr><td>17'6" to 18'</td><td>00DS003311</td><td>00DS003356</td></tr> <tr><td>18' to 18'6"</td><td>00DS003312</td><td>00DS003357</td></tr> <tr><td>18'6" to 19'</td><td>00DS003313</td><td>00DS003358</td></tr> <tr><td>19' to 19'6"</td><td>00DS003314</td><td>00DS003359</td></tr> <tr><td>19'6" to 20'</td><td>00DS003315</td><td>00DS003360</td></tr> <tr><td>20' to 20'6"</td><td>00DS003316</td><td>00DS003361</td></tr> <tr><td>20'6" to 21'</td><td>00DS003317</td><td>00DS003362</td></tr> <tr><td>21' to 21'6"</td><td>00DS003318</td><td>00DS003363</td></tr> <tr><td>21'6" to 22'</td><td>00DS003319</td><td>00DS003364</td></tr> <tr><td>22' to 22'6"</td><td>00DS003320</td><td>00DS003365</td></tr> <tr><td>22'6" to 23'</td><td>00DS003321</td><td>00DS003366</td></tr> <tr><td>23' to 23'6"</td><td>00DS003322</td><td>00DS003367</td></tr> <tr><td>23'6" to 24'</td><td>00DS003323</td><td>00DS003368</td></tr> <tr><td>24' to 24'6"</td><td>00DS003324</td><td>00DS003369</td></tr> <tr><td>24'6" to 25'</td><td>00DS003325</td><td>00DS003370</td></tr> </tbody> </table>			LENGTH	FLEX BACK 5/8" WIDE .025" THICKNESS	HARD BACK 5/8" WIDE .032" THICKNESS	PART NUMBER	PART NUMBER	PART NUMBER	UP to 5"	00DS003285	00DS003330	5" to 5'6"	00DS003286	00DS003331	5'6" to 6'	00DS003287	00DS003332	6' to 6'6"	00DS003288	00DS003333	6'6" to 7'	00DS003289	00DS003334	7' to 7'6"	00DS003290	00DS003335	7'6" to 8'	00DS003291	00DS003336	8' to 8'6"	00DS003292	00DS003337	8'6" to 9'	00DS003293	00DS003338	9' to 9'6"	00DS003294	00DS003339	9'6" to 10'	00DS003295	00DS003340	10' to 10'6"	00DS003296	00DS003341	10'6" to 11'	00DS003297	00DS003342	11' to 11'6"	00DS003298	00DS003343	11'6" to 12'	00DS003299	00DS003344	12' to 12'6"	00DS003300	00DS003345	12'6" to 13'	00DS003301	00DS003346	13' to 13'6"	00DS003302	00DS003347	13'6" to 14'	00DS003303	00DS003348	14' to 14'6"	00DS003304	00DS003349	14'6" to 15'	00DS003305	00DS003350	15' to 15'6"	00DS003306	00DS003351	15'6" to 16'	00DS003307	00DS003352	16' to 16'6"	00DS003308	00DS003353	16'6" to 17'	00DS003309	00DS003354	17' to 17'6"	00DS003310	00DS003355	17'6" to 18'	00DS003311	00DS003356	18' to 18'6"	00DS003312	00DS003357	18'6" to 19'	00DS003313	00DS003358	19' to 19'6"	00DS003314	00DS003359	19'6" to 20'	00DS003315	00DS003360	20' to 20'6"	00DS003316	00DS003361	20'6" to 21'	00DS003317	00DS003362	21' to 21'6"	00DS003318	00DS003363	21'6" to 22'	00DS003319	00DS003364	22' to 22'6"	00DS003320	00DS003365	22'6" to 23'	00DS003321	00DS003366	23' to 23'6"	00DS003322	00DS003367	23'6" to 24'	00DS003323	00DS003368	24' to 24'6"	00DS003324	00DS003369	24'6" to 25'	00DS003325	00DS003370	<table border="1"> <thead> <tr> <th>1/8" WIDTH</th> <th>5/32" WIDTH</th> <th>1/4" WIDTH</th> <th>3/8" WIDTH</th> </tr> <tr> <th>LENGTH</th> <th>LENGTH</th> <th>LENGTH</th> <th>LENGTH</th> </tr> <tr> <th>THICKNESS</th> <th>THICKNESS</th> <th>THICKNESS</th> <th>THICKNESS</th> </tr> <tr> <th>PART NUMBER</th> <th>PART NUMBER</th> <th>PART NUMBER</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr><td>UP to 4'</td><td>UP to 4'</td><td>UP to 4'</td><td>UP to 4'</td></tr> <tr><td>4' to 4'6"</td><td>4' to 4'6"</td><td>4' to 4'6"</td><td>4' to 4'6"</td></tr> <tr><td>4'6" to 5'</td><td>4'6" to 5'</td><td>4'6" to 5'</td><td>4'6" to 5'</td></tr> <tr><td>5' to 5'6"</td><td>5' to 5'6"</td><td>5' to 5'6"</td><td>5' to 5'6"</td></tr> <tr><td>5'6" to 6'</td><td>5'6" to 6'</td><td>5'6" to 6'</td><td>5'6" to 6'</td></tr> <tr><td>6' to 6'6"</td><td>6' to 6'6"</td><td>6' to 6'6"</td><td>6' to 6'6"</td></tr> <tr><td>6'6" to 7'</td><td>6'6" to 7'</td><td>6'6" to 7'</td><td>6'6" to 7'</td></tr> <tr><td>7' to 7'6"</td><td>6'6" to 7'</td><td>7' to 7'6"</td><td>7' to 7'6"</td></tr> <tr><td>7'6" to 8'</td><td>7'6" to 8'</td><td>7'6" to 8'</td><td>7'6" to 8'</td></tr> <tr><td>8' to 8'6"</td><td>7'6" to 8'</td><td>8' to 8'6"</td><td>8' to 8'6"</td></tr> </tbody> </table>			1/8" WIDTH	5/32" WIDTH	1/4" WIDTH	3/8" WIDTH	LENGTH	LENGTH	LENGTH	LENGTH	THICKNESS	THICKNESS	THICKNESS	THICKNESS	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	UP to 4'	UP to 4'	UP to 4'	UP to 4'	4' to 4'6"	4' to 4'6"	4' to 4'6"	4' to 4'6"	4'6" to 5'	4'6" to 5'	4'6" to 5'	4'6" to 5'	5' to 5'6"	5' to 5'6"	5' to 5'6"	5' to 5'6"	5'6" to 6'	5'6" to 6'	5'6" to 6'	5'6" to 6'	6' to 6'6"	6' to 6'6"	6' to 6'6"	6' to 6'6"	6'6" to 7'	6'6" to 7'	6'6" to 7'	6'6" to 7'	7' to 7'6"	6'6" to 7'	7' to 7'6"	7' to 7'6"	7'6" to 8'	7'6" to 8'	7'6" to 8'	7'6" to 8'	8' to 8'6"	7'6" to 8'	8' to 8'6"	8' to 8'6"
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12' to 12'6"	00DS003130	00DS003175	00DS003216	00DS003251																																																																																																																																																																																																																																																																																																																																																																																																																						
12'6" to 13'	00DS003131	00DS003176	00DS003217	00DS003252																																																																																																																																																																																																																																																																																																																																																																																																																						
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15' to 15'6"	00DS003136	00DS003181	00DS003222	00DS003257																																																																																																																																																																																																																																																																																																																																																																																																																						
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16' to 16'6"	00DS003138	00DS003183	00DS003224	00DS003259																																																																																																																																																																																																																																																																																																																																																																																																																						
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17'6" to 18'	00DS003141	00DS003186	00DS003227	00DS003262																																																																																																																																																																																																																																																																																																																																																																																																																						
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22' to 22'6"	00DS003150	00DS003196	00DS003236	00DS003271																																																																																																																																																																																																																																																																																																																																																																																																																						
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24'6" to 25'	00DS003325	00DS003370																																																																																																																																																																																																																																																																																																																																																																																																																								
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<table border="1"> <thead> <tr> <th colspan="5">COILS</th> </tr> <tr> <th>WIDTH</th> <th>LNG /FT.</th> <th>THICK -NESS</th> <th>TPI</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr><td>1/2</td><td></td><td>.032</td><td>10 R</td><td>00DS003156</td></tr> <tr><td>1/2</td><td>100</td><td>.032</td><td>10 R</td><td>00DS003157</td></tr> <tr><td>1/2</td><td>250</td><td>.032</td><td>14 R</td><td>00DS003158</td></tr> <tr><td>1/2</td><td>150</td><td>.032</td><td>14 R</td><td>00DS003159</td></tr> <tr><td>5/8</td><td>250</td><td>.035</td><td>10 R</td><td>00DS003202</td></tr> <tr><td>5/8</td><td>100</td><td>.035</td><td>10 R</td><td>00DS003203</td></tr> <tr><td>5/8</td><td>250</td><td>.035</td><td>14 R</td><td>00DS003204</td></tr> <tr><td>5/8</td><td>100</td><td>.035</td><td>14 R</td><td>00DS003205</td></tr> <tr><td>3/4</td><td>250</td><td>.035</td><td>10 R</td><td>00DS003242</td></tr> <tr><td>3/4</td><td>100</td><td>.035</td><td>10 R</td><td>00DS003243</td></tr> <tr><td>3/4</td><td>250</td><td>.035</td><td>14 R</td><td>00DS003244</td></tr> <tr><td>3/4</td><td>100</td><td>.035</td><td>14 R</td><td>00DS003245</td></tr> <tr><td>1</td><td>250</td><td>.035</td><td>10 R</td><td>00DS003277</td></tr> <tr><td>1</td><td>100</td><td>.035</td><td>10 R</td><td>00DS003278</td></tr> <tr><td>1</td><td>250</td><td>.035</td><td>14 R</td><td>00DS003279</td></tr> <tr><td>1</td><td>100</td><td>.035</td><td>14 R</td><td>00DS003280</td></tr> </tbody> </table>					COILS					WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	1/2		.032	10 R	00DS003156	1/2	100	.032	10 R	00DS003157	1/2	250	.032	14 R	00DS003158	1/2	150	.032	14 R	00DS003159	5/8	250	.035	10 R	00DS003202	5/8	100	.035	10 R	00DS003203	5/8	250	.035	14 R	00DS003204	5/8	100	.035	14 R	00DS003205	3/4	250	.035	10 R	00DS003242	3/4	100	.035	10 R	00DS003243	3/4	250	.035	14 R	00DS003244	3/4	100	.035	14 R	00DS003245	1	250	.035	10 R	00DS003277	1	100	.035	10 R	00DS003278	1	250	.035	14 R	00DS003279	1	100	.035	14 R	00DS003280	<table border="1"> <thead> <tr> <th colspan="4">COILS</th> </tr> <tr> <th>WIDTH</th> <th>LNG /FT.</th> <th>TPI</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr><td>5/8" FLEX</td><td>100'</td><td>3ETS SKIP</td><td>00DS003326</td></tr> <tr><td>5/8" FLEX</td><td>250'</td><td>3ETS SKIP</td><td>00DS003327</td></tr> <tr><td>5/8" HARD</td><td>150'</td><td>3ETS SKIP</td><td>00DS003371</td></tr> <tr><td>5/8" HARD</td><td>250'</td><td>3ETS SKIP</td><td>00DS003372</td></tr> <tr><td>5/8" HARD</td><td>100'</td><td>3ETS SKIP</td><td>00DS003374</td></tr> <tr><td>5/8" HARD</td><td>250'</td><td>3ETS SKIP</td><td>00DS003375</td></tr> </tbody> </table>			COILS				WIDTH	LNG /FT.	TPI	PART NUMBER	5/8" FLEX	100'	3ETS SKIP	00DS003326	5/8" FLEX	250'	3ETS SKIP	00DS003327	5/8" HARD	150'	3ETS SKIP	00DS003371	5/8" HARD	250'	3ETS SKIP	00DS003372	5/8" HARD	100'	3ETS SKIP	00DS003374	5/8" HARD	250'	3ETS SKIP	00DS003375	<table border="1"> <thead> <tr> <th colspan="4">COILS</th> </tr> <tr> <th>WIDTH</th> <th>LNG /FT.</th> <th>TPI</th> <th>PART NUMBER</th> </tr> </thead> <tbody> <tr><td>5/8</td><td>100</td><td>14 R</td><td>00DS003390</td></tr> <tr><td>5/32</td><td>100</td><td>8 R HOOK</td><td>00DS003401</td></tr> <tr><td>1/4</td><td>100</td><td>8 R HOOK</td><td>00DS003412</td></tr> <tr><td>3/8</td><td>100</td><td>8 R HOOK</td><td>00DS003423</td></tr> </tbody> </table>			COILS				WIDTH	LNG /FT.	TPI	PART NUMBER	5/8	100	14 R	00DS003390	5/32	100	8 R HOOK	00DS003401	1/4	100	8 R HOOK	00DS003412	3/8	100	8 R HOOK	00DS003423																																																																																																																																																																																																																																																														
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* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH



STERLING DIAMOND SAW BLADES

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CARBON BLADE FOR PORTABLE MACHINE HARD EDGE, FLEX BACK					TRI-TEMP™ BLADE FOR PORTABLE MACHINE HARD EDGE, HARD BACK					SUPER-WELD MX™ BLADE FOR PORTABLE MACHINE BI-METAL MATRIX				
WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER	WIDTH	LNG /FT.	THICK -NESS	TPI	PART NUMBER
1/2"	3'8-7/8"	.020	10 R	00DS003430	1/2"	3'8-7/8"	.020	14 R	00DS003445	1/2"	3'8-7/8"	.020	10 R	00DS003460
1/2"	3'8-7/8"	.020	14 R	00DS003431	1/2"	3'8-7/8"	.020	18 R	00DS003446	1/2"	3'8-7/8"	.020	14 R	00DS003461
1/2"	3'8-7/8"	.020	18 R	00DS003432	1/2"	4'5-3/4"	.020	14 R	00DS003447	1/2"	3'8-7/8"	.020	18 R	00DS003462
1/2"	3'8-7/8"	.020	24 W	00DS003433	1/2"	4'5-3/4"	.020	18 R	00DS003448	1/2"	3'8-7/8"	.020	24 R	00DS003463
1/2"	4'5-3/4"	.020	10 R	00DS003434	1/2"	4'6"	.025	10 R	00DS003449	1/2"	3'8-7/8"	.020	14/10 W	00DS003464
1/2"	4'5-3/4"	.020	14 R	00DS003435	1/2"	4'6"	.025	14 R	00DS003450	1/2"	3'8-7/8"	.020	18/14 W	00DS003465
1/2"	4'5-3/4"	.020	18 R	00DS003436	1/2"	4'6"	.025	14 W	00DS003451	1/2"	4'5-3/4"	.020	10 R	00DS003466
1/2"	4'5-3/4"	.020	24 W	00DS003437	1/2"	4'6"	.025	18 R	00DS003452	1/2"	4'5-3/4"	.020	14 R	00DS003467
1/2"	4'6"	.025	10 R	00DS003438	1/2"	4'6"	.025	24 W	00DS003453	1/2"	4'5-3/4"	.020	18 R	00DS003468
1/2"	4'6"	.025	14 R	00DS003439	1/2"	4'6"	.025	10/16 W	00DS003454	1/2"	4'5-3/4"	.020	24 W	00DS003469
1/2"	4'6"	.025	18 R	00DS003440	1/2"	4'6"	.025	12 / 8 W	00DS003455	1/2"	4'5-3/4"	.020	14/10 W	00DS003470
1/2"	4'6"	.025	24 W	00DS003441	1/2"	4'6"	.025	14/10 W	00DS003456	1/2"	4'5-3/4"	.020	18/14 W	00DS003471
					1/2"	4'6"	.025	18/14 W	00DS003457	1/2"	4'6"	.020	10 R	00DS003472
					1/2"	3'8-7/8"	.020	10 R	00DS003458	1/2"	4'6"	.020	14 R	00DS003473
					1/2"	3'8-7/8"	.020	14 R	00DS003459	1/2"	4'6"	.020	10/6 R	00DS003474
					1/2"	3'8-7/8"	.020	18 R	00DS003460	1/2"	4'6"	.020	12/8 R	00DS003475
					1/2"	3'8-7/8"	.020	24 R	00DS003461	1/2"	4'6"	.020	14/10 R	00DS003476
					1/2"	3'8-7/8"	.020	14/10 W	00DS003462	1/2"	4'6"	.020	18/14 R	00DS003477
					1/2"	3'8-7/8"	.020	18/14 W	00DS003463					
					1/2"	3'8-7/8"	.020	14/10 W	00DS003464					



HOLE SAWS

BI-METAL VARIED PITCH

INCH	MM	PART NUMBER	INCH	MM	PART NUMBER
9/16	14MM	00DS003500	2-5/16	59MM	00DS003526
5/8	16MM	00DS003501	2-3/8	60MM	00DS003527
11/16	17MM	00DS003502	2-1/2	64MM	00DS003528
3/4	19MM	00DS003503	2-9/16	65MM	00DS003529
13/16	21MM	00DS003504	2-5/8	67MM	00DS003530
7/8	22MM	00DS003505	2-3/4	70MM	00DS003531
15/16	24MM	00DS003506	2-7/8	73MM	00DS003532
1	25MM	00DS003507	3	76MM	00DS003533
1-1/16	27MM	00DS003508	3-1/8	79MM	00DS003534
1-1/8	29MM	00DS003509	3-1/4	83MM	00DS003535
1-3/16	30MM	00DS003510	3-3/8	86MM	00DS003536
1-1/4	32MM	00DS003511	3-1/2	89MM	00DS003537
1-5/16	33MM	00DS003512	3-5/8	92MM	00DS003538
1-3/8	35MM	00DS003513	3-3/4	95MM	00DS003539
1-7/16	37MM	00DS003514	3-7/8	98MM	00DS003540
1-1/2	38MM	00DS003515	4	102MM	00DS003541
1-9/16	40MM	00DS003516	4-1/8	105MM	00DS003542
1-5/8	41MM	00DS003517	4-1/4	108MM	00DS003543
1-11/16	43MM	00DS003518	4-3/8	111MM	00DS003544
1-3/4	44MM	00DS003519	4-1/2	114MM	00DS003545
1-13/16	46MM	00DS003520	4-3/4	121MM	00DS003546
1-7/8	48MM	00DS003521	5	127MM	00DS003547
2	51MM	00DS003522	5-1/2	140MM	00DS003548
2-1/16	52MM	00DS003523	5-3/4	146MM	00DS003549
2-1/8	54MM	00DS003524	6	152MM	00DS003550
2-1/4	57MM	00DS003525			

CARBIDE TIPPED

INCH	MM	PART NUMBER	INCH	MM	PART NUMBER
9/16	14MM	00DS003600	2-5/16	59MM	00DS003626
5/8	16MM	00DS003601	2-3/8	60MM	00DS003627
11/16	17MM	00DS003602	2-1/2	64MM	00DS003628
3/4	19MM	00DS003603	2-9/16	65MM	00DS003629
13/16	21MM	00DS003604	2-5/8	67MM	00DS003630
7/8	22MM	00DS003605	2-3/4	70MM	00DS003631
15/16	24MM	00DS003606	2-7/8	73MM	00DS003632
1	25MM	00DS003607	3	76MM	00DS003633
1-1/16	27MM	00DS003608	3-1/8	79MM	00DS003634
1-1/8	29MM	00DS003609	3-1/4	83MM	00DS003635
1-3/16	30MM	00DS003610	3-3/8	86MM	00DS003636
1-1/4	32MM	00DS003611	3-1/2	89MM	00DS003637
1-5/16	33MM	00DS003612	3-5/8	92MM	00DS003638
1-3/8	35MM	00DS003613	3-3/4	95MM	00DS003639
1-7/16	37MM	00DS003614	3-7/8	98MM	00DS003640
1-1/2	38MM	00DS003615	4	102MM	00DS003641
1-9/16	40MM	00DS003616	4-1/8	105MM	00DS003642
1-5/8	41MM	00DS003617	4-1/4	108MM	00DS003643
1-11/16	43MM	00DS003618	4-3/8	111MM	00DS003644
1-3/4	44MM	00DS003619	4-1/2	114MM	00DS003645
1-13/16	46MM	00DS003620	4-3/4	121MM	00DS003646
1-7/8	48MM	00DS003621	5	127MM	00DS003647
2	51MM	00DS003622	5-1/2	140MM	00DS003648
2-1/16	52MM	00DS003623	5-3/4	146MM	00DS003649
2-1/8	54MM	00DS003624	6	152MM	00DS003650
2-1/4	57MM	00DS003625			

1/4" PILOT DRILL

LENGTH	PART NUMBER	PKG
4"	00DS003720	2
3"	00DS003721	2

12" EXTENSION

SIZE	PART NUMBER	PKG
7/16"	00DS003722	1

BI-METAL DEEP-CUT

INCH	MM	PART NUMBER
1	25MM	00DS003700
1-1/8	29MM	00DS003701
1-1/4	32MM	00DS003702
1-3/8	35MM	00DS003703
1-1/2	38MM	00DS003704
1-3/4	44MM	00DS003705
2	51MM	00DS003706
2-1/4	57MM	00DS003707
2-1/2	64MM	00DS003708
3-3/8	86MM	00DS003709
4-1/4	108MM	00DS003710

ARBORS

9/16" TO 1-3/16" DIA.

TPI	NPT	PART NUMBER
1/4 Rd.	1/2-20	00DS003730
1/4 Hex	1/2-20	00DS003731
3/8 Hex	1/2-20	00DS003732
7/16 Hex	1/2-20	00DS003733

1-1/4" TO 2-3/8" DIA.

TPI	NPT	PART NUMBER
7/16Hex	5/8-18	00DS003734

1-7/16" TO 6" DIA.

TPI	NPT	PART NUMBER
7/16Hex	5/8-18	00DS003735
5/8 Hex	5/8-18	00DS003736

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES

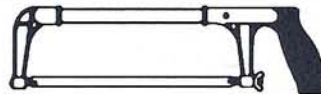




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HOLE SAW KITS

BI-METAL PROFESSIONAL HOLE SAW KIT		BI-METAL PLUMBER'S HOLE SAW KIT		BI-METAL ELECTRICIAN'S HOLE SAW KIT		CARBON TIPPED HOLE SAW KIT		DEEP-CUT HOLE SAW KIT	
QNTY	SIZE	QNTY	SIZE	QNTY	SIZE	QNTY	SIZE	QNTY	SIZE
1	5/8" HOLE SAW	1	3/4" HOLE SAW	1	7/8" HOLE SAW	1	3/4" HOLE SAW	1	1" HOLE SAW
1	3/4" HOLE SAW	1	7/8" HOLE SAW	1	1-1/8" HOLE SAW	1	7/8" HOLE SAW	1	1-1/8" HOLE SAW
1	7/8" HOLE SAW	1	1-1/8" HOLE SAW	1	1-3/8" HOLE SAW	1	1-1/8" HOLE SAW	1	1-1/4" HOLE SAW
1	1" HOLE SAW	1	1-1/2" HOLE SAW	1	1-3/4" HOLE SAW	1	1-3/8" HOLE SAW	1	1-3/8" HOLE SAW
1	1-1/8" HOLE SAW	1	1-3/4" HOLE SAW	1	2" HOLE SAW	1	1-1/2" HOLE SAW	1	1-1/2" HOLE SAW
1	1-1/4" HOLE SAW	1	1/4Rd. ARBOR X 1/2-20	1	2-1/2" HOLE SAW	1	1-3/4" HOLE SAW	1	1-3/4" HOLE SAW
1	1-3/8" HOLE SAW	1	7/16Hex ARBOR X 5/8-18	1	7/16Hex ARBOR X 1/2-20	1	2" HOLE SAW	1	2" HOLE SAW
1	1-1/2" HOLE SAW	1	1/4 PILOT	1	2-1/4" HOLE SAW	1	2-1/4" HOLE SAW	1	1 3-3/8" HOLE SAW
1	1-3/4" HOLE SAW			1	7/16Hex ARBOR X 5/8-18	1	2-1/2" HOLE SAW	1	4-1/4" HOLE SAW
1	2" HOLE SAW			1	7/16Hex ARBOR X 1/2-20	1	7/16Hex ARBOR X 1/2-20	1	7/16Hex ARBOR X 1/2-20
1	2-1/2" HOLE SAW			1	1/4 PILOT	1	1/4 PILOT	1	7/16Hex ARBOR X 5/8-18
1	3" HOLE SAW							1	12" EXTENSION
1	7/16Hex ARBOR X 1/2-20							3	FOR 7/16 SHANK
1	7/16Hex ARBOR X 5/8-18								
3	1/4 PILOT								
PART NUMBER	DRILL / ARBOR 00DS003750	PART NUMBER	DRILL / ARBOR 00DS003751	PART NUMBER	DRILL / ARBOR 00DS003752	PART NUMBER	DRILL / ARBOR ADAPTER 00DS003753	PART NUMBER	DRILL / ARBOR ADAPTER 00DS0037504

HACK SAW BLADES

POWER HACKSAW BLADES BI-FLEX™ BI-METAL SHATTERPROOF						HAND HACKSAW BLADES BI-FLEX™ BI-METAL SHATTERPROOF						STERLING HAND HACKSAW VARIETY KIT				
LNG / FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG / FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG / FT.	WIDTH	THICK -NESS	TPI	QUANTITY
12	5/8	.032	14	00DS003800	10	10	1/2	.025	18	00DS003840	5	12	1/2	.025	24/20	30
12	5/8	.032	18	00DS003801	10	10	1/2	.025	18	00DS003841	100	12	1/2	.025	18/14	20
12	1	.050	10	00DS003802	10	10	1/2	.025	24	00DS003842	5	12	1/2	.025	18	20
12	1	.050	14	00DS003803	10	10	1/2	.025	24	00DS003843	100	12	1/2	.025	24	20
14	1	.050	10	00DS003804	10	10	1/2	.025	32	00DS003844	5	12	1/2	.025	32	10
14	1	.050	14	00DS003805	10	10	1/2	.025	32	00DS003845	100	PART NUMBER 00DS003763				
14	1-1/4	.062	6	00DS003806	10	12	1/2	.025	14	00DS003846	5					
14	1-1/4	.062	10	00DS003807	10	12	1/2	.025	14	00DS003847	100	HACK SAWS FRAMES				
14	1-1/2	.075	4	00DS003808	10	12	1/2	.025	28	00DS003848	5					
14	1-1/2	.075	6	00DS003809	10	12	1/2	.025	28	00DS003849	100	 ADJUSTABLE HACKSAW FRAME FOR 10" & 12" BLADES PART NUMBER 00DS003765				
17	1	.050	14	00DS003810	10	12	1/2	.025	24	00DS003850	5					
17	1-1/4	.062	10	00DS003811	10	12	1/2	.025	24	00DS003851	100	 MINI-HACKSAW PART NUMBER 00DS003766				
18	1-1/4	.062	6	00DS003812	10	12	1/2	.025	32	00DS003852	5					
18	1-1/4	.062	10	00DS003813	10	12	1/2	.025	32	00DS003853	100	 HEAVY DUTY HIGH TENSION HACKSAW FRAME PART NUMBER 00DS003767				
18	1-1/2	.075	4	00DS003814	10	12	1/2	.025	18/14	00DS003854	5					
18	1-1/2	.075	6	00DS003815	10	12	1/2	.025	18/14	00DS003855	100					
18	1-1/2	.075	6/4	00DS003816	10	12	1/2	.025	24/20	00DS003856	5					
18	1-1/2	.088	4	00DS003817	10	12	1/2	.025	24/20	00DS003857	100					
14	1-3/4	.088	6	00DS003818	10	CARBIDE GRIT HACKSAW BLADES 1 BLADE PER POUCH / 10 POUCHES PER BOX LNG / FT. WIDTH THICK -NESS TYPE PART NUMBER 12 3/4 .030 MEDIUM 00DS003860										
14	1-3/4	.088	6/4	00DS003819	10											
21	1-3/4	.088	4	00DS003820	10	CARBIDE GRIT RODSAW BLADES 1 BLADE PER POUCH / 10 POUCHES PER BOX LNG / FT. TYPE PART NUMBER 12" MEDIUM 00DS003861										
21	1-3/4	.088	6	00DS003821	10											
21	1-3/4	.088	6/4	00DS003822	10	POWER HACKSAW BLADES BI-METAL SHATTERPROOF LNG / FT. WIDTH THICK -NESS TPI PART NUMBER PK 12 1-1/4 .062 14 00DS003830 10 16 1-1/4 .062 14 00DS003831 10 16 1-1/4 .062 8 00DS003832 10 21 1-1/4 .062 14 00DS003833 10 24 1-1/4 .062 14 00DS003834 10 30 1-1/4 .062 14 00DS003835 10										
24	2	.100	4	00DS003823	10											
24	2	.100	4/3	00DS003824	10											
30	2-1/2	.100	4	00DS003825	10											

* CHECK DIAMOND CATALOG FOR TEETH PER INCH. THEN SPECIFY. LNG=LENGTH

STERLING DIAMOND SAW BLADES



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BI-METAL JIG SAW BLADES

UNIVERSAL 1/4" SHANK						FOR BAYONET MACHINES						FOR BOSCH MACHINES CENTURY 2						
METAL CUTTING BLADES						METAL CUTTING BLADES						METAL CUTTING BLADES						
LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	
3-1/2	5/16	.042	10	00DS003870	5	3	3/8	.035	14	00DS003896	5	4	5/16	.042	8	00DS003920	5	
3-1/2	5/16	.042	10	00DS003871	100	3	3/8	.035	14	00DS003897	100	4	5/16	.042	8	00DS003921	100	
3-1/8	5/16	.042	14	00DS003872	5	3	3/8	.035	18	00DS003898	5	3	5/16	.042	12	00DS003922	5	
3-1/8	5/16	.042	14	00DS003873	100	3	3/8	.035	18	00DS003899	100	3	5/16	.042	12	00DS003923	100	
3-1/8	5/16	.042	18	00DS003874	5	3	3/8	.035	24	00DS003900	5	3	5/16	.042	18	00DS003924	5	
3-1/8	5/16	.042	18	00DS003875	100	3	3/8	.035	24	00DS003901	100	3	5/16	.042	18	00DS003925	100	
3-1/8	5/16	.042	24	00DS003876	5	1-3/4	1/4	.035	14	00DS003902	5	3	5/16	.042	24	00DS003926	5	
3-1/8	5/16	.042	24	00DS003877	100	1-3/4	1/4	.035	14	00DS003903	100	3	5/16	.042	24	00DS003927	100	
3-1/2	5/16	.042	14	00DS003878	5	1-3/4	1/4	.035	24	00DS003904	5							
3-1/2	5/16	.042	14	00DS003879	100	1-3/4	1/4	.035	24	00DS003905	100							
GLAS-FAB™ BLADES SPECIAL TOOTH DESIGN FOR 2-WAY CUTTING ACTION						GLAS-FAB™ BLADES SPECIAL TOOTH DESIGN FOR 2-WAY CUTTING ACTION						GLAS-FAB™ BLADES SPECIAL TOOTH DESIGN FOR 2-WAY CUTTING ACTION						
LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	
3-1/2	5/16	.050	2WAY	00DS003880	5	3	3/8	.050	2WAY	00DS003906	5	4	5/16	.050	2WAY	00DS003928	5	
3-1/2	5/16	.050	2WAY	00DS003881	100	3	3/8	.050	2WAY	00DS003907	100	4	5/16	.050	2WAY	00DS003929	100	
WOOD CUTTING BLADES SCROLL						WOOD CUTTING BLADES SCROLL						WOOD CUTTING BLADES SCROLL						
LNG / FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG / FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG / FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	
3-1/2	1/4	.035	10/6	00DS003882	5	3	3/8	.050	6	00DS003908	5	4	5/16	.050	10	00DS003930	5	
3-1/2	1/4	.035	10/6	00DS003883	100	3	3/8	.050	6	00DS003909	100	4	5/16	.050	10	00DS003931	100	
3-1/2	1/4	.035	10	00DS003884	5	3	3/8	.050	10	00DS003910	5	4	5/16	.050	6	00DS003932	5	
3-1/2	1/4	.035	10	00DS003885	100	3	3/8	.050	10	00DS003911	100	4	5/16	.050	6	00DS003933	100	
4	3/8	.035	6	00DS003886	5							4	5/16	.042	6	00DS003934	5	
4	3/8	.035	6	00DS003887	100							4	5/16	.042	6	00DS003935	100	
4	3/8	.035	10	00DS003888	5													
4	3/8	.035	10	00DS003889	100													
SLIK-KOTE™ BLADES FOR HARD & ABRASIVE MATERIALS—LONG LIFE						SLIK-KOTE™ BLADES FOR HARD & ABRASIVE MATERIALS—LONG LIFE						SLIK-KOTE™ BLADES FOR HARD & ABRASIVE MATERIALS—LONG LIFE						
LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	
3-1/2	5/16	.042	14	00DS003890	5	3	3/8	.035	14	00DS003912	5	4	5/16	.042	8	00DS003936	5	
3-1/2	5/16	.042	14	00DS003891	100	3	3/8	.035	14	00DS003913	100	4	5/16	.042	8	00DS003937	100	
						1-3/4	1/4	.035	14	00DS003914	5	4	5/16	.042	14	00DS003938	5	
						1-3/4	1/4	.035	14	00DS003915	100	4	5/16	.042	14	00DS003939	100	

BI-METAL BLADES FOR AIR SAW PNUE-SAW™ BLADES

METAL CUTTING BLADES						METAL CUTTING BLADES SCROLL					
LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK	LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
4	1/2	.025	14	00DS003945	5	3-5/8	1/2	.025	14	00DS003953	5
4	1/2	.025	14	00DS003946	100	3-5/8	1/2	.025	14	00DS003954	100
4	1/2	.025	18	00DS003947	5	3-5/8	1/2	.025	18	00DS003955	5
4	1/2	.025	18	00DS003948	100	3-5/8	1/2	.025	18	00DS003956	100
4	1/2	.025	24	00DS003949	5	3-5/8	1/2	.025	24	00DS003957	5
4	1/2	.025	24	00DS003950	100	3-5/8	1/2	.025	24	00DS003958	100
4	1/2	.025	32	00DS003951	5	3-5/8	1/2	.025	32	00DS003959	5
4	1/2	.025	32	00DS003952	100	3-5/8	1/2	.025	32	00DS003960	100

*CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY.

LNG=LENGTH

STERLING DIAMOND SAW BLADES



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BI-METAL BLADES FOR AIR SAW



LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
4	TAPER	.035	14	00DS003961	5
4	TAPER	.035	14	00DS003962	100
4	TAPER	.035	18	00DS003963	5
4	TAPER	.035	18	00DS003964	100
4	TAPER	.035	24	00DS003965	5
4	TAPER	.035	24	00DS003966	100
4	TAPER	.035	32	00DS003967	5
4	TAPER	.035	32	00DS003968	100

SLIK-KOTE™ BLADES FOR HARD & ABRASIVE MATERIALS— LONG LIFE

LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
4	TAPER	.035	14	00DS003970	5
4	TAPER	.035	14	00DS003971	100
4	TAPER	.035	18	00DS003972	5
4	TAPER	.035	18	00DS003973	100
4	TAPER	.035	24	00DS003974	5
4	TAPER	.035	24	00DS003975	100
4	TAPER	.035	32	00DS003976	5
4	TAPER	.035	32	00DS003977	100

CARBIDE GRIT

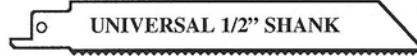


UNIVERSAL 1/4" SHANK, BAYONET or BOSCH

LNG /FT.	WIDTH	THICK -NESS	GRIT	PART NUMBER	PK
3-5/8	5/16	.032	CRS	00DS003978	5
3-5/8	5/16	.032	CRS	00DS003979	100
3-5/8	5/16	.032	MED	00DS003980	5
3-5/8	5/16	.032	MED	00DS003981	100
3	3/8	.032	MED	00DS003982	5
3	3/8	.032	MED	00DS003983	100
3	5/16	.032	CRS	00DS003984	5
3	5/16	.032	CRS	00DS003985	100
3	5/16	.032	MED	00DS003986	5
3	5/16	.032	MED	00DS003987	100
4	5/16	.032	CRS	00DS003988	5
4	5/16	.032	CRS	00DS003989	100

RECIPROCATING SAW BLADES

BI-METAL



METAL CUTTING BLADES

LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
6	3/4	.035	10	00DS004000	5
6	3/4	.035	10	00DS004001	50
8	3/4	.035	10	00DS004002	5
8	3/4	.035	10	00DS004003	50
4	3/4	.035	14	00DS004004	5
4	3/4	.035	14	00DS004005	50
6	3/4	.035	14	00DS004006	5
6	3/4	.035	14	00DS004007	50
8	3/4	.035	14	00DS004008	5
8	3/4	.035	14	00DS004009	50
6	3/4	.035	14/10	00DS004010	5
6	3/4	.035	14/10	00DS004011	50
8	3/4	.035	14/10	00DS004012	5
8	3/4	.035	14/10	00DS004013	50
12	3/4	.035	14/10	00DS004014	5
12	3/4	.035	14/10	00DS004015	50
4	3/4	.035	18	00DS004016	5
4	3/4	.035	18	00DS004017	50
6	3/4	.035	18	00DS004018	5
6	3/4	.035	18	00DS004019	50
8	3/4	.035	18	00DS004020	5
8	3/4	.035	18	00DS004021	50
4	3/4	.035	18/14	00DS004022	5
4	3/4	.035	18/14	00DS004023	50
6	3/4	.035	18/14	00DS004024	5
6	3/4	.035	18/14	00DS004025	50
4	3/4	.035	24	00DS004026	5
4	3/4	.035	24	00DS004027	50
6	3/4	.035	24	00DS004028	5
6	3/4	.035	24	00DS004029	50
4	3/4	.035	32	00DS004030	5
4	3/4	.035	32	00DS004031	50

WOOD CUTTING BLADES

LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
12	TAPER	.050	3	00DS004045	5
12	TAPER	.050	3	00DS004046	50
6	3/4	.050	6	00DS004047	5
6	3/4	.050	6	00DS004048	50
6	1/2	.050	6	00DS004049	5
6	1/2	.050	6	00DS004050	50
6	TAPER	.050	6	00DS004051	5
6	TAPER	.050	6	00DS004052	50
6	TAPER	.050	6	00DS004053	5
6	TAPER	.050	6	00DS004054	50
9	TAPER	.050	6	00DS004055	5
9	TAPER	.050	6	00DS004056	50
12	TAPER	.050	6	00DS004057	5
12	TAPER	.050	6	00DS004058	50
12	TAPER	.050	10	00DS004059	5
12	TAPER	.050	10	00DS004060	50

SLIK-KOTE™ BLADES FOR HARD & ABRASIVE MATERIALS— LONG LIFE

LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
6	TAPER	.050	6	00DS004065	5
6	TAPER	.050	6	00DS004066	50
9	TAPER	.050	6	00DS004067	5
9	TAPER	.050	6	00DS004068	50
6	TAPER	.050	10	00DS004069	5
6	TAPER	.050	10	00DS004070	50
6	TAPER	.050	14	00DS004071	5
6	TAPER	.050	14	00DS004072	50

METAL CUTTING BLADES SCROLL

LNG /FT.	WIDTH	THICK -NESS	TPI	PART NUMBER	PK
3	1/4	.035	18	00DS004035	5
3	1/4	.035	18	00DS004036	50
3	1/4	.035	24	00DS004037	5
3	1/4	.035	24	00DS004038	50
3-5/8	5/16	.035	10	00DS004039	5
3-5/8	5/16	.035	10	00DS004040	50
3-5/8	5/16	.035	24	00DS004041	5
3-5/8	5/16	.035	24	00DS004042	50

PLASTER CUTTING BLADES

LNG /FT.	WIDTH	THICK -NESS	GRIT	PART NUMBER	PK
4	3/4	.035	6V-TTH	00DS004075	5
4	3/4	.035	6V-TTH	00DS004076	50
6	3/4	.035	6V-TTH	00DS004077	5
6	3/4	.035	6V-TTH	00DS004078	50

CARBIDE GRIT BLADES

LNG /FT.	WIDTH	THICK -NESS	GRIT	PART NUMBER	PK
4	3/4	.035	CRS	00DS004079	1
8	3/4	.035	CRS	00DS004080	1

RECIPROCATING BLADE ASSORTMENT

CONTAINS 1 WOOD CUTTING BLADE &
4 METAL CUTTING BLADES

PART NUMBER 00DS004090

WITH AN ASSORTMENT DRAWER

PART NUMBER 00DS004090A

* CHECK DIAMOND CATALOG FOR TEETH PER INCH, THEN SPECIFY. LNG=LENGTH



STERLING DIAMOND SAW BLADES

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MX PLUS™ — BI-METAL MATRIX POSITIVE RAKE						SUPER-WELD MX™ — BI-METAL MATRIX ZERO RAKE					
New, improved positive rake design with a tough Matrix II cutting edge noted for its hardness (65-67RC) and tough, shock resistant quality is a users choice for all around cutting. The positive tooth face angle allows for faster cutting rates on a variety of everyday cutting requirements where the high hardness or abrasion resistant M42 is not required. Positive Rake design is generally recommended for solids and larger cross sections of material.						Tough, Matrix II cutting edge with zero rake teeth for most general purpose sawing. Available in widths from 1/4" to 1-1/4". Surface face, zero rake design cuts efficiently and resists tooth strippage on interrupted cuts in pipe, structurals as well as solid material. Narrow widths for contour cutting on vertical band saw machines. Available in coils and welded to length.					
WD	THICK	TPI	SET	STYLE		WD	THICK	TPI	SET	STYLE	
	-NESS						-NESS				
1/4"	.025	14/10	*	BROACH TTH.		5/8"	.032	10/6	*	BROACH TTH.	
		14/10	*	BROACH TTH.				14/10	*	BROACH TTH.	
1/4"	.035	10	RAKER	CONSTANT		3/4"	.035	6	RAKER	CONSTANT	
		14	RAKER	CONSTANT				8	RAKER	CONSTANT	
		14/10	*	BROACH TTH.				10	RAKER	CONSTANT	
3/8"	.025	4	RAKER	HOOK TOOTH				14	RAKER	CONSTANT	
								6/4	*	BROACH TTH.	
3/8"	.035	3	RAKER	HOOK TOOTH		8/5	*	BROACH TTH.			
		4	RAKER	HOOK TOOTH		10/6	*	BROACH TTH.			
1/2"	.025	4	RAKER	HOOK TOOTH		12/8	*	BROACH TTH.			
		6	RAKER	HOOK TOOTH		14/10	*	BROACH TTH.			
1/2"	.035	3	RAKER	HOOK TOOTH		18/14	*	BROACH TTH.			
		6	RAKER	HOOK TOOTH		1"	.035	6	RAKER	CONSTANT	
3/4"	.035	3	RAKER	HOOK TOOTH				8	RAKER	CONSTANT	
		3	RAKER	HOOK TOOTH				10	RAKER	CONSTANT	
1"	.035	4/3	* *	POSI TOOTH				6/4	*	BROACH TTH.	
		6/4	* *	POSI TOOTH				8/5	*	BROACH TTH.	
		8/5	* *	POSI TOOTH		10/6	*	BROACH TTH.			
1 1/4"	.042	3/2	* *	POSI TOOTH		12/8	*	BROACH TTH.			
		4/3	* *	POSI TOOTH		14/10	*	BROACH TTH.			
		6/4	* *	POSI TOOTH		1 1/4"	.042	8	RAKER	CONSTANT	
		8/5	* *	POSI TOOTH				6/4	*	BROACH TTH.	
1 1/2"	.050	4/3	* *	POSI TOOTH				8/5	*	BROACH TTH.	
		6/4	* *	POSI TOOTH				10/6	*	BROACH TTH.	
		8/5	* *	POSI TOOTH				12/8	*	BROACH TTH.	
						1 1/2"	.050	6/4	*	BROACH TTH.	
								8/5	*	BROACH TTH.	

* Special set for Broach Tooth

* * Special set for Posi-Tooth



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Abrasives

GENERAL PURPOSE DEPRESSED CENTER GRINDING WHEELS - TYPE 27

BEST

FEATURES & BENEFITS

- ZIRCONIUM GRAIN WHEELS.
- DURABILITY FOR LONG WHEEL LIFE WITH EXCELLENT STOCK REMOVAL.

SIZE	GRIT	MAX	BEST	
			RPM	NO.
4-1/2 x 1/4 x 1/8	24	13,200	D247Z	10
4-1/2 x 1/4 x 5/8-11	24	13,200	D248Z	10

SIGMA GREEN GRINDING WHEELS

FEATURES & BENEFITS

- HIGH-PERFORMANCE GRAIN COMBINATION.
- ALUMINUM OXIDE AND ZIRCONIUM, RAPID STOCK REMOVAL - 50% FASTER THAN STANDARD ALUMINUM OXIDE ABRASIVES, 20% FASTER THAN PREMIUM GRINDING WHEELS.
- UNIQUE PROPRIETARY BONDING, SPECIALTY GRAIN AND WHEEL DESIGN.
- 15% COOLER CUTTING, BETTER SURFACE FINISH, QUIETER GRINDING, CHATTER FREE, LESS VIBRATION AND OPERATOR FATIGUE.
- VIRTUALLY IRON FREE.

APPLICATIONS

- EXTREMELY FAST GRINDING ON STAINLESS STEEL, MILD STEEL, HARD FACE, TITANIUM, INCONEL, AND ALUMINUM.

SIZE	GRIT	MAX	BEST	
			RPM	NO.
4 x .178 x 5/8	36	15,300	730001	5
4 x .178 x 3/8-24	36	15,300	730014	5
4-1/2 x .138 x 5/8-11	60	13,300	730015	5
4-1/2 x .178 x 7/8	36	13,300	730000	5
4-1/2 x .178 x 5/8-11	36	13,300	730002	5
5 x .178 x 7/8	36	12,200	730005	5
5 x .178 x 5/8-11	36	12,200	730006	5
7 x .178 x 7/8	36	8,500	730003	5
7 x .178 x 5/8-11	36	8,500	730004	5
4-1/2 x .138 x 7/8	60	13,300	730009	5
4-1/2 x .145 x 5/8-11	46	13,300	730017	5
4-1/2 x .145 x 7/8	46	13,300	730008	5



Type 27 wheels should be used at an angle to the work piece between 30 and 45 degrees.

Reusable kits for depressed center wheels with 7/8 center hole. Hubs are threaded for mounting on a 5/8-11 spindle.
NO. 89275



TIPS



SAFETY TIPS:

- Always use the guard furnished with machine.
- Check all wheels for cracks or damage before use.





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Abrasives

DEPRESSED CENTER CUT-OFF WHEELS - TYPE 27

BEST

FEATURES & BENEFITS

- BLEND OF ZIRCONIA-ALUMINA AND OTHER DURABLE COATED ABRASIVE GRAINS, COMBINED WITH AN ADVANCED PROPRIETARY BONDING SYSTEM.
- ENGINEERED TO PROVIDE EXCEPTIONAL WHEEL LIFE.

APPLICATIONS

- OFFER PRECISION, CLOSER CUTTING OFF ON FLAT SURFACES WITH RIGHT ANGLE GRINDERS.

SIZE	GRIT	MAX RPM	BEST	
			NO.	QTY
4-1/2 x .045 x 7/8	60	13,500	M1630	10
4-1/2 x 1/16 x 7/8	36	13,500	M1631	10
6 x .045 x 7/8	60	11,000	M1634	10
6 x 1/16 x 7/8	36	11,000	M1635	10

THIN CUT-OFF WHEELS - TYPE 1

BEST

FEATURES & BENEFITS

- BLENDED WITH PATENTED CERAMIC GRAIN COMBINED WITH ADVANCED PROPERTY BONDING SYSTEM.
- PROVIDE EXCEPTIONAL CUTTING RATES WITH OUTSTANDING WHEEL LIFE.

APPLICATIONS

- OUTSTANDING PRODUCTIVITY ON STAINLESS STEEL, HEAT SENSITIVE ALLOYS, TITANIUM AND OTHER METALS.

SIZE	GRIT	MAX RPM	BEST	
			NO.	QTY
3 x .045 x 1/4	60	26,000	M1502	10
3 x 1/16 x 1/4	36	26,000	M1507	10
3 x .045 x 3/8	60	26,000	M1504	10
3 x 1/16 x 3/8	36	26,000	M1509	10
4 x .045 x 3/8	60	22,000	M1516	10
4 x 1/16 x 3/8	36	22,000	M1523	10
4 x .045 x 5/8	60	15,280	M1518	10
4 x 1/16 x 5/8	36	15,280	M1525	10
4-1/2 x .045 x 7/8	60	13,500	M1530	10
4-1/2 x 1/16 x 7/8	36	13,500	M1533	10
6 x .045 x 7/8	60	11,000	M1556	10
6 x 1/16 x 7/8	36	11,000	M1563	10



SAFETY TIPS:

- Never use wheels that have been dropped or otherwise damaged.
- Never use a grinding wheel with a rated speed less than that of the grinder.

TIPS



SPEEDS: Do not exceed the maximum operating speed established for the wheel. Overspeed is a common cause of wheel breakage.

For .035" to 1/4" type-1 cut-off wheels: **MUST** use with a mandrel that fits 1/4" and 3/8" arbor hole.



SAFETY TIPS:

- Don't use heavy side pressure on any thin Type 1 cut-off wheel
- Never force a wheel onto a machine or alter the size of the arbor hole.

TIPS



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Abrasives

PORTABLE CHOP SAW WHEELS

BEST

FEATURES & BENEFITS

- PREMIUM ALUMINA ZIRCONIA.
- PREMIUM PRODUCT FOR STAINLESS AND METAL APPLICATIONS

APPLICATIONS

- FERROUS METALS, LIGHT OR HEAVY STRUCTURAL STEEL AND SOLIDS.

SIZE	MAX RPM	BEST	
		NO.	QTY
14 x 7/64 x 1	4,365	07080	10

STATIONARY SAW WHEELS - TYPE I

BEST

FEATURES & BENEFITS

- PREMIUM ALUMINUM OXIDE GRAIN DESIGNED FOR STAINLESS STEEL AND METAL.

APPLICATIONS

- FAST CUT RATE ON METALS AND STEELS. RESISTS BREAKAGE AND PROVIDES STRAIGHT CUTS.

SIZE	MAX RPM	BEST	
		NO.	QTY
14 x 1/8 x 1	4,400	07070	10
12 x 1/8 x 1	5,095	07069	10

HIGH SPEED SAW REINFORCED CUT-OFF WHEELS

APPLICATIONS

- FOR USE ON HIGH-SPEED GAS AND ELECTRIC SAWS.

SIZE	MAX RPM	BEST	
		NO.	QTY
14 x 1/8 x 1/20mm	6360	837844	10
12 x 1/8 x 1/20mm	5400	837845	10



Run cut-off machines at the "Maximum Operating Speed" marked on the wheel.

A cut-off machine should have 1 horsepower for every inch of wheel diameter.

IT IS THE USER'S RESPONSIBILITY TO REFER TO AND COMPLY WITH ANSI B7.1.

TIPS





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Abrasives

ALUMINUM OXIDE FLAP WHEELS - BEST

FEATURES & BENEFITS

- PREMIUM ALUMINUM OXIDE GRAIN.
- DESIGNED FOR MAXIMUM FLAP WHEEL LIFE AND DURABILITY.

APPLICATIONS

- IDEAL FOR BLENDING AND POLISHING METAL, PLASTIC AND WOOD.

SIZE	GRIT	MAX RPM	BEST	
			NO.	QTY.
1 x 1 x 1/4	60	30,000	800003	10
1 x 1 x 1/4	80	30,000	800004	10
1 x 1 x 1/4	120	30,000	800005	10
2 x 1 x 1/4	60	25,000	800026	10
2 x 1 x 1/4	80	25,000	800027	10
2 x 1 x 1/4	120	25,000	800028	10
3 x 1 x 1/4	60	20,000	800041	10
3 x 1 x 1/4	80	20,000	800042	10
3 x 1 x 1/4	120	20,000	800043	10

ZIRCONIA MINI FLAP DISCS - TYPE 27

BEST

FEATURES & BENEFITS

- ZIRCONIA ALUMINA GRAIN.
- ONE STEP GRINDING AND FINISHING.
- OUTLASTS STANDARD QUICK CHANGE DISC BY 10 TIMES.
- LAYER FLAPS FOR LONGER LIFE.
- FAST DISC CHANGES.
- QUICK CHANGE FEATURE ON THE BACK OF THE DISC.
- INCREASES PRODUCTIVITY AND COST-SAVINGS.

APPLICATIONS

- DEBURRING, BLENDING AND FINISHING, WITH GOOD STOCK REMOVAL.

DIA.	GRIT	TYPE	MAX RPM	BEST	
				NO.	QTY
2	36	R	30,000	02010	5
2	40	R	30,000	02012	5
2	60	R	30,000	02014	5
2	80	R	30,000	02016	5
2	120	R	30,000	02018	5
3	36	R	20,000	02020	5
3	40	R	20,000	02022	5
3	60	R	20,000	02024	5
3	80	R	20,000	02026	5
3	120	R	20,000	02028	5



Used in welding and metal fabricating for a wide variety of blending, deburring and finishing applications.

TIPS



For TYPE R
Use with a back-up pad.

*AVAILABLE IN
OTHER STYLES

2" - NO. 810007
3" - NO. 810011



TIPS





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Abrasives

FLAP DISCS - TYPE 29

BEST

FEATURES & BENEFITS

- HIGHEST QUALITY CERAMIC GRAINS ON A HEAVY CLOTH BACKING.
- GRINDING AID, DESIGNED TO GRIND TOUGHEST WORK MATERIAL WITH VERY AGGRESSIVE CUTTING ACTION AND PROVIDE AMAZING EXTENDED TOOL LIFE IN HIGH TENSILE STRENGTH ALLOYS.
- CERAMIC GRAINS FRACTURE.
- EXPOSES SHARP NEW CUTTING EDGES.
- REVOLUTIONARY GRAIN, THE LAST GENERATION OF SYNTHETIC METAL CUTTING MINERALS.
- DEVELOPED FOR MOST DEMANDING GRINDING AND FINISHING APPLICATIONS IN ALL TYPES OF CARBON STEEL.
- SELF-SHARPENING GRAIN.
- ENSURES CONSISTENT PERFORMANCE DURING ENTIRE LIFE OF DISC AND PROVIDES VERY HIGH CUT RATE.

APPLICATIONS

- CAN BE RUN ON STAINLESS, ALUMINUM, STRUCTURAL STEEL, FIBERGLASS COMPOSITES AND CAST IRON. DESIGNED FOR USE WITH RIGHT ANGLE GRINDERS ON APPLICATIONS FROM STOCK REMOVAL TO FINAL FINISH.

BETTER

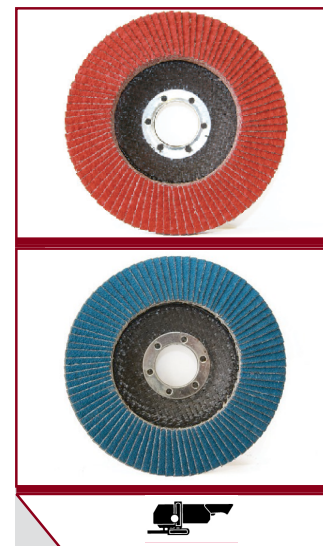
FEATURES & BENEFITS

- ZIRCONIA OXIDE GRAIN ON A HEAVY CLOTH BACKING.
- EXCELLENT MINERAL ANCHORAGE.
- EXTENDED LIFE ON A VARIETY OF METALS AND STEELS.
- GRINDING AND STOCK REMOVAL AND FINISHING IN ONE DISC.

APPLICATIONS

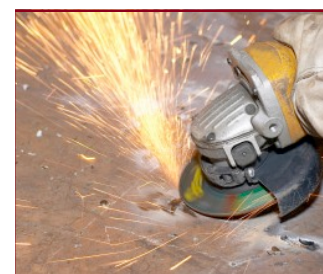
- EXCELLENT VALUE WHEN WORKING WITH STRUCTURAL STEELS, FORGED STEELS, STAINLESS STEELS. DISC OF GREATEST ECONOMIC VALUE WHEN GRINDING MACHINE PARTS AND WELD SEAMS.

SIZE	GRIT	MAX RPM	BETTER		BEST	
			NO.	QTY	NO.	QTY.
4-1/2 x 5/8-11	36	13,200	53249	5	53241	5
4-1/2 x 5/8-11	40	13,200	53250	5	53242	5
4-1/2 x 5/8-11	60	13,200	53251	5	53243	5
4-1/2 x 5/8-11	80	13,200	53252	5	53244	5
4-1/2 x 5/8-11	120	13,200			54938	5
4-1/2 x 7/8	36	13,200	53253	5	53245	5
4-1/2 x 7/8	40	13,200	53254	5	53246	5
4-1/2 x 7/8	60	13,200	53255	5	53247	5
4-1/2 x 7/8	80	13,200	53256	5	53248	5
4-1/2 x 7/8	120	13,200			54181	5



Type 29 - angled face

TIPS





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Abrasives

RESIN FIBER DISCS

BEST

FEATURES & BENEFITS

- CERAMIC ALUMINA GRAIN.
- SHARPER, COOLER CUTTING ABRASIVE CONTINUALLY EXPOSING SHARP POINTS. FAST CUT RATE WITH LONG LIFE.
- RESIN BOND.
- INCREASED STRENGTH, DURABILITY AND GRAIN ADHESION.
- HEAVY FIBER BACKING.
- STRENGTH AND TEAR RESISTANCE.

APPLICATIONS

- THE CHOICE FOR ALL FIBER DISC GRINDING APPLICATIONS REQUIRING AGGRESSIVE CUTTING ACTION, COOL CUT AND LONG LIFE. FOR HARDEST-TO-GRIND MATERIALS.

BETTER

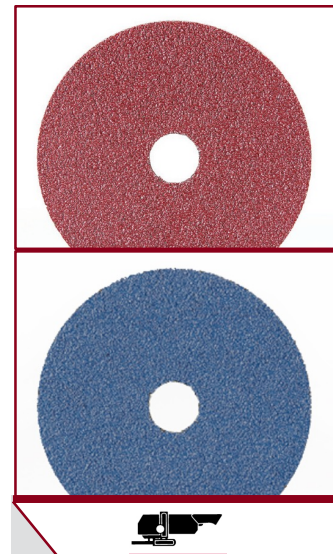
FEATURES & BENEFITS

- PREMIUM CERAMIC AND HIGH-PERFORMANCE ZIRCONIA ALUMINA ABRASIVE BLEND.
- LONGER LIFE, ESPECIALLY ON HARD-TO-GRIND MATERIALS. TOUGH, AGGRESSIVE YET COOL CUTTING AND SELF SHARPENING.
- RESIN BOND.
- INCREASED STRENGTH, DURABILITY AND GRAIN ADHESION.
- HEAVY FIBER BACKING.
- STRENGTH AND TEAR RESISTANCE.

APPLICATIONS

- IDEAL FOR HEAVY-DUTY GRINDING OF WELDS, GATES, RISERS AND PARING LINES ON CASTINGS AND CARBON STEELS. THE BEST CHOICE FOR STAINLESS STEEL AND OTHER HARD-TO-GRIND MATERIALS.

SIZE	GRIT	BEST CERAMIC		BETTER ZIRCONIA ALUMINA	
		NO.	QTY	NO.	QTY.
4-1/2 x 7/8	24	49358	25	20088	25
4-1/2 x 7/8	36	49359	25	20087	25
4-1/2 x 7/8	50	49360	25	20086	25
4-1/2 x 7/8	60			20034	25
4-1/2 x 7/8	80			20019	25
7 x 7/8	24	99435	25	10722	25
7 x 7/8	36	99436	25	10721	25
7 x 7/8	50	99437	25	10720	25
7 x 7/8	60			20077	25
7 x 7/8	80			20076	25

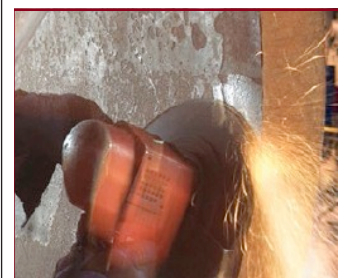


IMPORTANT:
USE WITH LIKE-SIZED
BACK-UP PAD.

4-1/2" x 5/8" - NO. 5045M
7" x 5/8" - NO. 5007M



TIPS





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Abrasives

QUICK-CHANGE CLOTH DISCS

BEST

FEATURES & BENEFITS

- CERAMIC ALUMINA GRAIN.
- PROVIDES EXCEPTIONAL LIFE AND VALUE, ESPECIALLY ON HARD-TO-GRIND ALLOYS.
- SUPERSIZE GRINDING AID.
- PROVIDES LONGER LIFE AND COOLER CUT.
- STRONG, Y-WT. 2-PLY POLYESTER BACKING.
- PROVIDES EXCELLENT DURABILITY AND GRAIN ADHESION.

APPLICATIONS

- HEAVY DURABILITY, LONG LIFE ON STAINLESS AND OTHER TOUGH ALLOYS.

BETTER

FEATURES & BENEFITS

- SELF-SHARPENING ZIRCONIA ALUMINA.
- PROVIDES COOLER CUT, LONGER LIFE.
- STRONG, Y-WT. 2-PLY COTTON BACKING.
- PROVIDES EXTENDED DURABILITY AND REDUCED EDGE-WEAR IDEAL PRODUCT FOR DEMANDING APPLICATIONS, COOLER CUT LONGER LIFE.

APPLICATIONS

- IDEAL PRODUCT FOR DEMANDING APPLICATIONS, COOLER CUT LONGER LIFE.

PLY	DIA.	TYPE	GRIT	BETTER CERAMIC		BEST ZIRCONIA ALUMINA	
				NO.	QTY	NO.	QTY
2-PLY	2	R	36	60449	25	67107	25
2-PLY	2	R	50	63411	25	67109	25
2-PLY	2	R	60	63412	25	67110	25
2-PLY	2	R	80	65615	25	67111	25
2-PLY	2	R	120	68657	25	67113	25
2-PLY	3	R	36	60458	25	67114	25
2-PLY	3	R	50	63414	25	67116	25
2-PLY	3	R	60	63415	25	67117	25
2-PLY	3	R	80	68178	25	67118	25
2-PLY	3	R	120	68658	25	67120	25

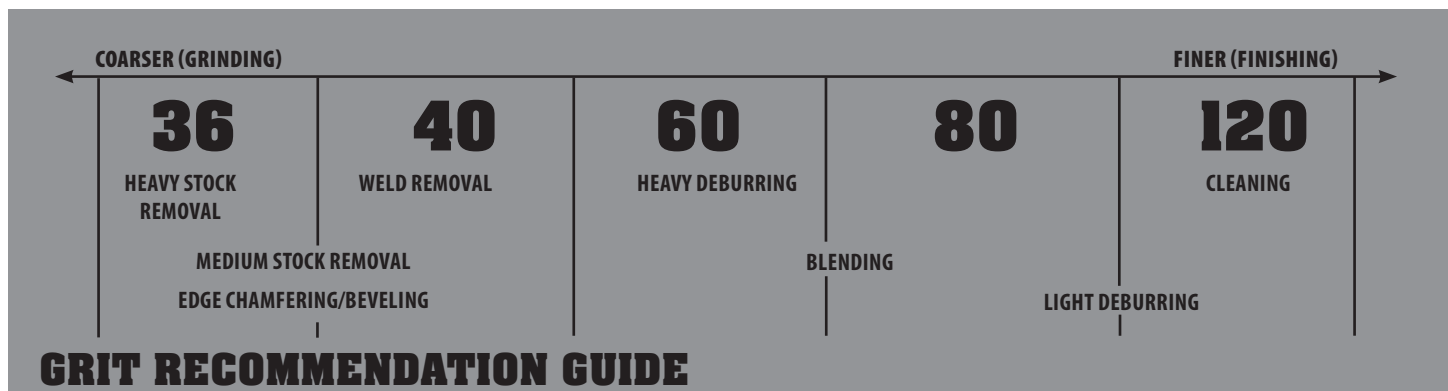


Tool-free, twist-on and -off fastening systems make fast work of disc changes to maximize productivity by minimizing downtime.

***ADDITIONAL STYLES (TYPE P AND S) ARE AVAILABLE.**

***OTHER GRAIN TYPES AVAILABLE.**

TIPS





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Abrasives

SURFACE CONDITIONING QUICK-CHANGE DISCS

BEST

FEATURES & BENEFITS

- NEW RESIN SYSTEM, AEROSPACE-TAILORED.
- SMEAR-FREE, EVEN ON HIGH NICKEL CONTENT ALLOYS AND WILL NOT LOAD ON ALUMINUM AND SOFT METALS, AS COMPETITIVE PRODUCTS MAY.
- PROPRIETARY NEW COATING METHOD.
- THICK LAYER OF GRAIN THROUGHOUT THE PRODUCT EXTENDS LIFE; GRAIN DOES NOT SIT ON TOP OF FIBERS AS OTHER COMPETITIVE PRODUCTS MAY.
- HOOK & LOOP DISCS: TOUGH REINFORCED NYLON BACK.
- CONFORMS TO WORK PIECE.
- HOOK & LOOP DISCS: OPEN CONSTRUCTION WHICH RESISTS LOADING.
- PROVIDES CONSISTENT FINISH.
- HOOK & LOOP DISCS: AGGRESSIVE CUTTING BOND.
- EASY ON AND OFF HOLDER.

APPLICATIONS

- LONG-LASTING DISC FOR FINISHING AND BLENDING.

				BEST HEAVY-DUTY	
DIA.	GRIT	COLOR	MAX RPM	NO.	QTY.
TYPE R					
2	COARSE	BROWN	30,000	40028	25
2	MEDIUM	MAROON	30,000	66290	25
2	VERY FINE	BLUE	30,000	40049	25
3	COARSE	BROWN	20,000	66322	25
3	MEDIUM	MAROON	20,000	66291	25
3	VERY FINE	BLUE	20,000	41300	25
TYPE HOOK & LOOP					
4-1/2	COARSE	TAN	7,000	41527	25
4-1/2	MEDIUM	MAROON	7,000	41530	25
4-1/2	VERY FINE	BLUE	7,000	41533	25
5	COARSE	TAN	6,000	41536	10
5	MEDIUM	MAROON	6,000	41539	10
5	VERY FINE	BLUE	6,000	41542	10
7	COARSE	TAN	5,000	41554	10
7	MEDIUM	MAROON	5,000	41557	10
7	VERY FINE	BLUE	5,000	41560	10



FINER ACTING
for light scuffing and blending.

COARSER ACTING
for general cleaning.

***OTHER GRADES
AVAILABLE UPON
REQUEST.**

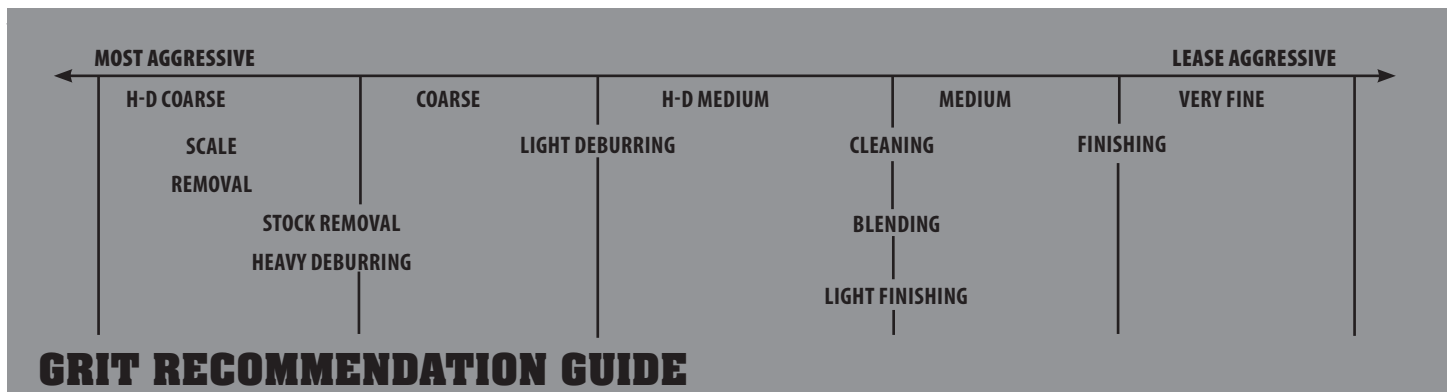
**2" - NO. 810007
3" - NO. 810011**



**4-1/2" - NO. 4045M
5" - NO. 4005M
7" - NO. 4007M**



TIPS



GRIT RECOMMENDATION GUIDE



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HAND PADS

BEST

FEATURES & BENEFITS

- NON-WOVEN NYLON, LOW DENSITY PADS IMPREGNATED WITH ABRASIVE GRAIN.
- EXCELLENT CONFORMABILITY AND FLEXIBILITY. EASY TO FOLD.
- NUMEROUS SPECIFICATIONS.
- REPLACEMENT FOR STEEL WOOL AND WIRE BRUSHES

APPLICATIONS

- GENERAL PURPOSE PADS ALLOW FOR MULTIPLE CLEANING AND POLISHING APPLICATIONS. AVAILABLE IN FIVE DIFFERENT GRITS FROM NON-ABRASIVE TO COARSE.

SIZE	GRIT	COLOR	BEST	
			NO.	QTY
6 x 9	NON-ABRASIVE	WHITE	45600	20
6 x 9	ULTRA FINE	GRAY	63500	20
6 x 9	VERY FINE	MAROON	74700	20
6 x 9	A/O SCOURING	GREEN	79600	20
6 x 9	HEAVY DUTY	BROWN	74000	20
6 x 9	COMBO PACK	4 OF EACH	74099	1

STRIP-IT QUICK-CHANGE DISCS - TYPE R

BEST

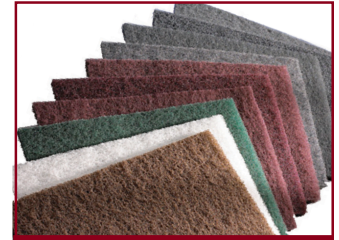
FEATURES & BENEFITS

- OPEN WEB CONSTRUCTION.
- SMEAR-RESISTANT.
- EXTRA-COARSE GRIT.
- LOAD RESISTANT DESIGN.
- DURABLE BONDING.
- EXCELLENT CLEANING AND SURFACE PREP.

APPLICATIONS

- CAN BE USED ON A VARIETY OF APPLICATIONS TO STRIP PAINT, RUST ADHESIVES ON A VARIETY OF BASE MATERIALS.

SIZE	GRIT	MAX RPM	BEST	
			NO.	QTY
2	EXTRA-COARSE	12,000	DQ1042	25
3	EXTRA-COARSE	8,500	DQ1041	25



FINER ACTING
for light scuffing and blending.

COARSER ACTING
for general cleaning.

Pads are non-metallic and will not rust.

TIPS



IDEAL FOR REMOVING COATINGS ON A VARIETY OF MATERIALS SUCH AS WOOD, METAL, AND PLASTIC.

TIPS



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STRIP-IT DISCS - TYPE 27

BEST

FEATURES & BENEFITS

- OPEN WEB CONSTRUCTION THAT ALLOWS FOR AN AGGRESSIVE CUTTING ACTION WHILE MAINTAINING A COOL CUTTING SURFACE.
- SMEAR-RESISTANT.
- EXTRA-COARSE GRIT.
- LOAD RESISTANT DESIGN.
- DURABLE BONDING.
- EXCELLENT CLEANING AND SURFACE PREP.

APPLICATIONS

- CAN BE USED ON METAL, WOOD AND COMPOSITES.

SIZE	GRIT	MAX RPM	NO.	QTY
4-1/2 x 7/8	EXTRA-COARSE	11,000	47103	10
4-1/2 x 5/8-11	EXTRA-COARSE	11,000	DN1141	10
7 x 7/8	EXTRA-COARSE	11,000	42106	10

SURFACE CONDITIONING BACKING PADS

- HEAVY HOOK = NON-WOVEN ABRASIVE DISCS STAY ATTACHED.
- 5/8"-11 INTERNAL THREAD.
- FOR 4-1/2", 5", AND 7" SURFACE CONDITIONING DISCS OF ALL GRADES.

NO.	QTY.	DIA X ARBOR	MAX RPM
4045M	1	4-1/2 x 5/8-11	12,000
4005M	1	5 x 5/8-11	10,000
4007M	1	7 x 5/8-11	6,000

RUBBER HOLDER PADS FOR QUICK CHANGE DISCS

- REINFORCED RUBBER FOR TYPE R AND TYPE S QUICK CHANGE DISCS.
- MOUNTS TO POWER TOOL WITH 1/4" REMOVABLE ARBOR WHICH IS INCLUDED WITH EACH PAD.
- FOR EASY, FAST DISC CHANGE.

NO.	QTY.	DESC.	TYPE	MAX RPM
810007	1	2" w/1/4 MANDREL	R	30,000
810011	1	3" W/1/4 MANDREL	R	20,000
810008	1	2" w/1/4 MANDREL	S	30,000
810012	1	3" w/1/4 MANDREL	S	20,000
810000	1	1/4-20 MANDREL w/FLANGE HEX NUT		

MANDREL

- FOR .035 TO 1/4" TYPE-1 CUT-OFF WHEELS WITH A 1/4" AND 3/8" ARBOR HOLE

NO.	QTY.
89270	1





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REUSABLE KITS FOR DEPRESSED CENTER WHEELS

- 7/8 CENTER HOLE
- HUBS ARE THREADED FOR MOUNTING ON A 5/8-11 SPINDLE.
- POLY COOL PADS
- AIR COOLED PADS FOR ALUMINUM OXIDE AND SILICON CARBIDE DISCS.
- SMOOTH FACED PADS FOR ZIRCONIA ALUMINA AND CERAMIC DISCS.
- ALL PADS FIT DEWALT® AND OTHER SHORT SPINDLE GRINDERS.
- HIGH SPEED, TOUGH, COST EFFECTIVE.
- INCLUDES PAD AND NUT.



NO.	QTY.
89275	1

POLY COOL PADS

- AIR COOLED PADS FOR ALUMINUM OXIDE AND SILICON CARBIDE DISCS.
- SMOOTH FACED PADS FOR ZIRCONIA ALUMINA AND CERAMIC DISCS.
- ALL PADS FIT DEWALT® AND OTHER SHORT SPINDLE GRINDERS.
- HIGH SPEED, TOUGH, COST EFFECTIVE.
- INCLUDES PAD AND NUT.



NO.	QTY.	DIA X ARBOR	MAX RPM
5045M	1	4-1/2 x 5/8	20,000
5007M	1	7 x 5/8	10,000

CIRCLE COOL AIR-COOLED PADS

- AIR COOLED PADS FOR ALUMINUM OXIDE AND SILICON CARBIDE FIBER DISCS.
- SMOOTH FACED PADS FOR ZIRCONIA ALUMINA AND CERAMIC FIBER DISCS.
- ALL PADS FIT DEWALT® AND OTHER SHORT SPINDLE GRINDERS.
- LARGER AIR HOLES = COOLER OPERATING AREA AND LONGER ABRASIVE DISC LIFE.
- OVERALL PAD DIAMETER ACCOMMODATES STANDARD ABRASIVE DISCS.
- INCLUDES PAD AND NUT.



NO.	QTY.	DIA X ARBOR	MAX RPM
8045M	1	4-1/2 x 5/8-11	13,500
80024M	1	7 x 5/8-11	8,600

ADJUSTABLE SPANNER WRENCH AND LOCKING NUT

- WRENCH FITS ANY NUT WITH SPANNER HOLES.
- PINS .145" OD X .25" LONG.
- CAPACITY .7" - 2.5"



NO.	QTY.	DESCRIPTION
98255H	1	5/8-11 PAD NUT
900001	1	ADJUSTABLE SPANNER WRENCH



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SPIRAL ROLLS - FULL TAPER CERAMIC ALUMINA

NO.	USE MANDREL	GRIT	STD.
3/8" x 1-11/2" x 1/8"	M-9	60	100
90000	M-9	80	100
90001	M-9	120	100
90002	M-9		
1/2" x 1-11/2" x 1/8"			
90003	M-9	601	100
90004	M-9	80	100
90005	M-9	120	100

RESIN CLOTH SHOP ROLLS - A/O

SIZE	GRIT	PART#	STD.
1" x50 yds.	50J	12106	1
	60J	12107	1
	80J	12108	1
	100J	12109	1
	120J	12110	1
	150J	12111	1
	180J	12112	1
	220J	12113	1
	240J	12114	1
	320J	12115	1
	400J	12116	1
	500J	12117	1
	Crocus	40038	1

SIZE	GRIT	PART#	STD.
1 1/2" x50 yds.	50J	12118	1
	60J	12119	1
	80J	12120	1
	100J	12121	1
	120J	12122	1
	150J	12123	1
	180J	12124	1
	220J	12125	1
	240J	12126	1
	320J	12127	1
	400J	12128	1
	500J	12129	1
	Crocus	40039	1

SIZE	GRIT	PART#	STD.
2" x50 yds.	50J	12130	1
	60J	12131	1
	80J	12132	1
	100J	12133	1
	120J	12134	1
	150J	12135	1
	180J	12136	1
	220J	12137	1
	240J	12138	1
	320J	12139	1
	400J	12140	1
	500J	12141	1
	Crocus	40040	1