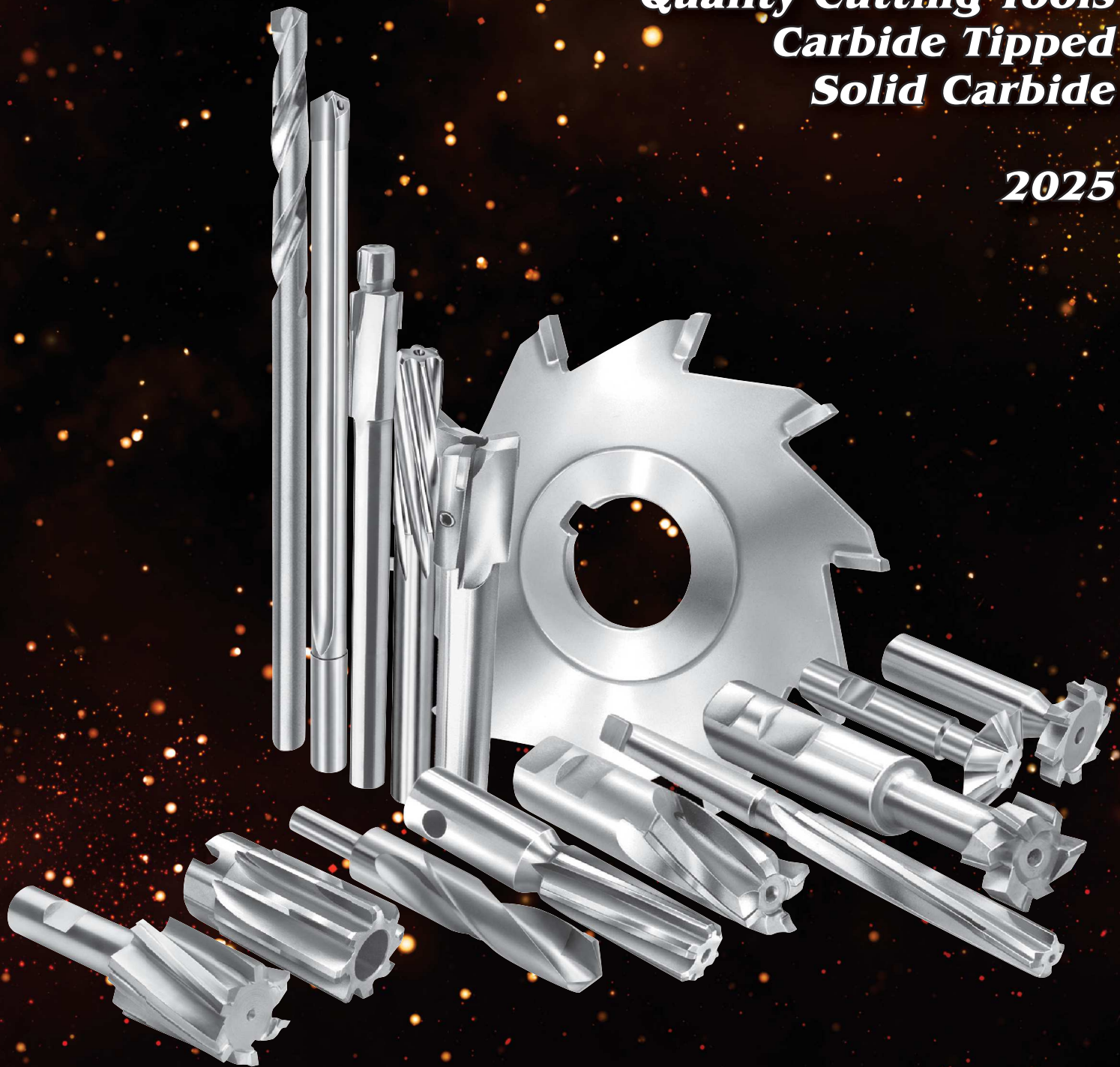


Super Tool, Inc.

***Quality Cutting Tools
Carbide Tipped
Solid Carbide***

2025



Keyseats • Counterbores • End Mills • Drills • Reamers

INDEX OF PRODUCTS

INDEX BY TOOL NAME

CARBIDE TIPPED	PAGE	CARBIDE TIPPED	PAGE	CARBIDE TIPPED	PAGE
SHANK CUTTERS		DRILLS		SOLID CARBIDE	
Chamfer Cutters	9	Single Angle	30	Flute Long Carbide, Tapered Shank	64
Corner Rounding Cutters	8	Slitting Saws	20-21	Flute Long Carbide, Tapered Shank, Metric	65
Double Angle Cutters	8	Staggered Tooth Side Milling Cutters	30	For Steel	56-57
Dovetail Cutters	9	REAMERS		General Purpose Metric, Partial Flute Carbide, Str. Shank	48
Keyseat Cutters	4-7	Aircraft Extension	32	General Purpose, Partial Flute Carbide, Str. Shank	42-43
Keyseat Cutters for Aluminum	3	Core Drills	34	Left Spiral Reamers	58
Radius Cutters	8	Core Drills, Metric	35	NAS Chucking Reamers	70-71
T-Slot Cutters	9	Countersinks	33	Over/Under, For Steel	57
COUNTERBORES		Jobber Length, Fractional	31	Over/Under, General Purpose	43
Capscrew Counterbores	15	Silver & Deming (Reduced Shank Diameter)	33	Partial Flute Carbide, Tapered Shank	62
Counterbore Pilots - All Sizes	10	REAMERS		Partial Flute Carbide, Tapered Shank, Metric	63
Reduced Shank Counterbores	11	.0005" Decimal Increments - Partial Flute Carbide	44-47	Right Spiral Reamers	58
Straight & Taper Shank, For N.F. & C.I.	12-13	.0005" Decimal Increments - Full Flute Carbide	52-54	Semi-Finished Reamers	61
Straight & Taper Shank, For Steel	14	Barber-Colman Reamers (MetCut Type)	60	Shell Reamers & Arbors	49
END MILLS		Coolant Fed, Straight Flute	72	Stub/Screw Machine Reamers	55
Center Cutting	16	Coolant Fed, LHS, RHS	73	REAMERS	
For Non-Ferrous, Cast Iron	17	Dowel Pin, General Purpose	43	.0005" Decimal Increments	36-39
For Steel	16	Dowel Pin, For Steel	57	Fractional, Wire/Letter, Metric	40
ARBOR MOUNT CUTTERS		Expansion Reamers, Straight Shank	66	RHS, LHS, Straight Flute, Decimal Sizes	41
Double Angle	30	Expansion Reamers, Straight Shank, Metric	67	Solid Carbide Head, Straight Flute	74
Shell End Mills	20	Expansion Reamers, Tapered Shank	68	Solid Carbide Head, RHS, LHS	75
Side Milling Cutters	19	Expansion Reamers, Tapered Shank, Metric	69	CARBIDE TIPPED	
Side Milling Cutters - Decimal Size	22-25	Extended Length Reamers	59	SINGLE POINT TOOLS	
Side Milling Cutters For Steel - Decimal Size	26-29	Flute Long Carbide, Straight Shank	50	All Styles	76-77
		Flute Long Carbide, Straight Shank, Metric	51		

INDEX BY LIST NO.

LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.	LIST NO.	PAGE NO.
401	56-57	4140	76	5659	50-54	5778	14	5861	19	5960	16	9481	49	9716	30	9742	30	9800	5
428	33	4150	77	5660	64-65	5779	12	5862	19	5962	17	9486	57	9718	8	9744	30	9802	41
429	33	4160	77	5669	55	5780	13	5863	19	5965	16	9488	57	9719	8	9746	8	9803	41
430	33	5330	31	5670	55	5781	14	5866	21	5966	16	9513	15	9720	9	9747	8	9804	36-40
431	33	5331	31	5680	72	5846	20	5867	21	6800	74	9515	15	9721	9	9748	8	9810	7
432	33	5454	34-35	5681	72	5847	20	5868	21, 26-29	6810	75	9610	32	9724	30	9749	8	9812	41
433	33	5456	34-35	5682	73	5848	20	5870	21-25	6820	75	9611	32	9726	30	9750	9	9813	41
434	33	5625	49	5683	73	5849	19	5921	17	9408	70	9616	33	9730	9	9751	9	9822	41
435	33	5651	58	5685	60	5850	20	5923	17	9458	71	9700	4	9731	9	9752	9	9823	41
4110	76	5653	58	5733	66-67	5858	20	5925	17	9458EL	59	9704	3	9732	9	9753	9		
4120	76	5655	42-48	5734	68-69	5859	20	5935	16	9476	43	9710	6	9733	9	9756	8		
4130	76	5656	62-63	5776	10	5860	20	5936	16	9478	43	9714	30	9740	30	9757	8		

Super Tool, Inc. reserves the right to make any changes on the specifications, prices or tolerances without notice.

WARNING - Because cutting tools may shatter or break, government regulations require the use of safety glasses and other safety equipment at all times in the vicinity of cutting tool use. Grinding of solid carbide or carbide tipped tools will produce carbide and brake dust that may be hazardous to your health. Use adequate ventilation and read the applicable "Material Safety Data Sheets."

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KEYSEAT CUTTERS - FOR ALUMINUM

CARBIDE TIPPED

List No. 9704 - High Performance - For Aluminum

Use: For milling, slotting, grooving, snap rings, and O-rings. Also used in circular interpolation of spot facing, back spot facing, and counterboring. Designed specifically for the aluminum industry. High volume flute capacity for higher speeds and feeds and better finishes. The tool geometry includes clearance for cutting on all three surfaces. Starting point for Aluminum slotting: 1K-4K SFPM, 0.002-0.008 IPT. Reduce SFPM and IPT by 25% for widths under 0.0938. Tools up to 1½" diameter, ½" shank. Tools 1¾" diameter and larger, ¾" shank.



Face width tolerance: +.0005"/-.0005"

Tool diameter tolerance: +.020"/+.015"

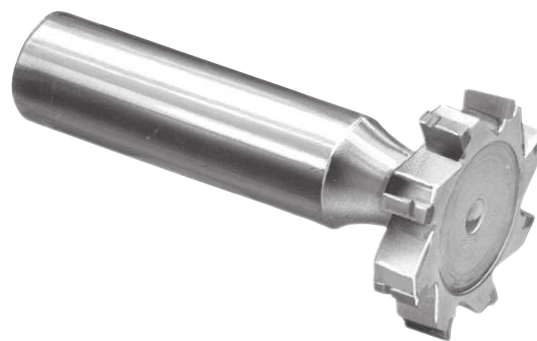
AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	LIST 9704 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	LIST 9704 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE
-	⅝	2	⅛	.160	97042002	\$110.65	.0575 - .0787	-	1 ⅜	3	⅜	.312	97044403	\$152.15	.0788 - .1088
305	⅝	2	⅜	.191	97040305	110.65	.0788 - .1099	-	1 ⅜	3	⅝	.342	97044404	152.15	.1089 - .1400
405	⅝	2	⅝	.223	97040405	110.65	.1100 - .1400	-	1 ⅜	3	⅝	.374	97044405	152.15	.1401 - .1713
505	⅝	2	⅝	.252	97040505	110.65	.1401 - .1713	-	1 ⅜	3	⅝	.401	97044406	152.15	.1714 - .2025
605	⅝	2	⅝	.279	97040605	110.65	.1714 - .2025	-	1 ⅜	3	⅝	.401	97044407	152.15	.2026 - .2339
-	⅝	2	⅝	.342	97042007	110.65	.2026 - .2339	811	1 ⅜	3	⅝	.401	97040811	152.15	.2340 - .2650
-	⅝	2	⅝	.342	97042008	110.65	.2340 - .2650	-	1 ⅜	3	⅝	.467	97044409	152.15	.2651 - .2968
-	⅝	2	⅝	.160	97042402	116.15	.0575 - .0787	1011	1 ⅜	3	⅝	.467	97041011	152.15	.2969 - .3281
-	⅝	2	⅝	.191	97042403	116.15	.0788 - .1099	-	1 ⅜	3	⅝	.467	97044411	152.15	.3282 - .3593
406	⅝	2	⅝	.217	97040406	116.15	.1100 - .1400	1211	1 ⅜	3	⅝	.467	97041211	152.15	.3594 - .3900
506	⅝	2	⅝	.246	97040506	116.15	.1401 - .1713	-	1 ½	3	⅝	.435	97044803	172.90	.0788 - .1088
606	⅝	2	⅝	.279	97040606	116.15	.1714 - .2025	-	1 ½	3	⅝	.435	97044804	172.90	.1089 - .1400
-	⅝	2	⅝	.342	97042407	116.15	.2026 - .2339	-	1 ½	3	⅝	.435	97044805	172.90	.1401 - .1713
806	⅝	2	⅝	.342	97040806	116.15	.2340 - .2650	-	1 ½	3	⅝	.435	97044806	172.90	.1714 - .2025
-	⅝	2	⅝	.160	97042802	124.50	.0575 - .0787	-	1 ½	3	⅝	.435	97044807	172.90	.2026 - .2339
-	⅝	2	⅝	.191	97042803	124.50	.0788 - .1099	812	1 ½	3	⅝	.435	97040812	172.90	.2340 - .2650
-	⅝	2	⅝	.217	97042804	124.50	.1100 - .1400	-	1 ½	3	⅝	.467	97044809	172.90	.2651 - .2968
507	⅝	2	⅝	.246	97040507	124.50	.1401 - .1713	1012	1 ½	3	⅝	.467	97041012	172.90	.2969 - .3281
607	⅝	2	⅝	.279	97040607	124.50	.1714 - .2025	-	1 ½	3	⅝	.467	97044811	172.90	.3282 - .3593
707	⅝	2	⅝	.312	97040707	124.50	.2026 - .2339	1212	1 ½	3	⅝	.467	97041212	207.50	.3594 - .3900
807	⅝	2	⅝	.342	97040807	124.50	.2340 - .2650	-	1 ½	3	⅝	.467	97044813	207.50	.3901 - .4219
-	1	2	⅝	.191	97043203	131.40	.0788 - .1088	-	1 ½	3	⅝	.467	97044814	207.50	.4220 - .4531
-	1	2	⅝	.217	97043204	131.40	.1089 - .1400	-	1 ½	3	⅝	.467	97044815	207.50	.4532 - .4843
-	1	2	⅝	.246	97043205	131.40	.1401 - .1713	-	1 ½	3	⅝	.467	97044816	207.50	.4844 - .5150
608	1	2	⅝	.279	97040608	131.40	.1714 - .2025	-	1 ¾	4	⅝	.718	97045604	190.85	.1089 - .1400
708	1	2	⅝	.312	97040708	131.40	.2026 - .2339	-	1 ¾	4	⅝	.718	97045605	190.85	.1401 - .1713
808	1	2	⅝	.342	97040808	131.40	.2340 - .2650	-	1 ¾	4	⅝	.718	97045606	190.85	.1714 - .2025
-	1	2	⅝	.401	97043209	131.40	.2651 - .2968	-	1 ¾	4	⅝	.718	97045607	190.85	.2026 - .2339
1008	1	2	⅝	.401	97041008	131.40	.2969 - .3281	-	1 ¾	4	⅝	.718	97045608	190.85	.2340 - .2650
-	1	2	⅝	.467	97043211	131.40	.3282 - .3593	-	1 ¾	4	⅝	.718	97045609	190.85	.2651 - .2968
1208	1	2	⅝	.467	97041208	131.40	.3594 - .3900	-	1 ¾	4	⅝	.718	97045610	190.85	.2969 - .3281
-	1 ⅝	2	⅝	.217	97043603	131.40	.0788 - .1088	-	1 ¾	4	⅝	.718	97045611	190.85	.3282 - .3593
-	1 ⅝	2	⅝	.246	97043604	131.40	.1089 - .1400	-	1 ¾	4	⅝	.718	97045612	224.10	.3594 - .3900
-	1 ⅝	2	⅝	.279	97043605	131.40	.1401 - .1713	-	1 ¾	4	⅝	.718	97045613	224.10	.3901 - .4219
609	1 ⅝	2	⅝	.312	97040609	131.40	.1714 - .2025	-	1 ¾	4	⅝	.718	97045614	224.10	.4220 - .4531
709	1 ⅝	2	⅝	.342	97040709	131.40	.2026 - .2339	-	1 ¾	4	⅝	.718	97045615	224.10	.4532 - .4843
809	1 ⅝	2	⅝	.374	97040809	131.40	.2340 - .2650	-	1 ¾	4	⅝	.718	97045616	224.10	.4844 - .5150
-	1 ⅝	2	⅝	.435	97043609	131.40	.2651 - .2968	-	2	4	⅝	.718	97046404	221.30	.1089 - .1400
1009	1 ⅝	2	⅝	.435	97041009	131.40	.2969 - .3281	-	2	4	⅝	.718	97046405	221.30	.1401 - .1713
-	1 ⅝	2	⅝	.467	97043611	131.40	.3282 - .3593	-	2	4	⅝	.718	97046406	221.30	.1714 - .2025
-	1 ⅝	2	⅝	.467	97043612	131.40	.3594 - .3900	-	2	4	⅝	.718	97046407	221.30	.2026 - .2339
-	1 ¾	3	⅝	.217	97044003	138.30	.0788 - .1088	-	2	4	⅝	.718	97046408	221.30	.2340 - .2650
-	1 ¾	3	⅝	.246	97044004	138.30	.1089 - .1400	-	2	4	⅝	.718	97046409	221.30	.2651 - .2968
-	1 ¾	3	⅝	.279	97044005	138.30	.1401 - .1713	-	2	4	⅝	.718	97046410	221.30	.2969 - .3281
610	1 ¾	3	⅝	.312	97040610	138.30	.1714 - .2025	-	2	4	⅝	.718	97046411	221.30	.3282 - .3593
710	1 ¾	3	⅝	.342	97040710	138.30	.2026 - .2339	-	2	4	⅝	.718	97046412	255.90	.3594 - .3900
810	1 ¾	3	⅝	.374	97040810	138.30	.2340 - .2650	-	2	4	⅝	.718	97046413	255.90	.3901 - .4219
-	1 ¾	3	⅝	.435	97044009	138.30	.2651 - .2968	-	2	4	⅝	.718	97046414	255.90	.4220 - .4531
1010	1 ¾	3	⅝	.435	97041010	138.30	.2969 - .3281	-	2	4	⅝	.718	97046415	255.90	.4532 - .4843
-	1 ¾	3	⅝	.467	97044011	138.30	.3282 - .3593	-	2	4	⅝	.718	97046416	255.90	.4844 - .5150
1210	1 ¾	3	⅝	.467	97041210	138.30	.3594 - .3900	-	-	-	-	-	-	-	-

KEYSEAT CUTTERS - NON-FERROUS

CARBIDE TIPPED

List No. 9700 - Straight Tooth - For Non-Ferrous

Use: For milling slots in cast iron, non-ferrous, plastic and non-metals. Chip breakers on List No. 9700 $\frac{3}{32}$ " width and greater.
Hardened alloy steel bodies with brazed on carbide tips. Decimal size cutters DO NOT have chip breakers.



Tool diameter tolerance: $+.020"/+.015"$

Face width tolerance: $+0"/-.0005"$

Shank: $\frac{1}{2}$ " diameter; 2" long

AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	OAL	LIST 9700 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
									1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
204	$\frac{1}{2}$	6	$\frac{1}{16}$	.130	2 $\frac{1}{16}$	97000204	\$115.05	.0575 - .0787	\$155.00	\$137.75	\$132.05	\$129.30	\$126.40	\$123.95
304	$\frac{1}{2}$	6	$\frac{3}{32}$	.160	2 $\frac{3}{32}$	97000304	115.05	.0788 - .1088	155.00	137.75	132.05	129.30	126.40	123.95
404	$\frac{1}{2}$	6	$\frac{1}{8}$	.191	2 $\frac{1}{8}$	97000404	115.05	.1089 - .1400	155.00	137.75	132.05	129.30	126.40	123.95
305	$\frac{5}{8}$	6	$\frac{3}{32}$	.191	2 $\frac{3}{32}$	97000305	119.25	.0788 - .1088	159.30	142.10	136.30	133.45	130.60	128.25
405	$\frac{5}{8}$	6	$\frac{1}{8}$	.223	2 $\frac{1}{8}$	97000405	119.25	.1089 - .1400	159.30	142.10	136.30	133.45	130.60	128.25
505	$\frac{5}{8}$	6	$\frac{5}{32}$	.252	2 $\frac{5}{32}$	97000505	119.25	.1401 - .1713	159.30	142.10	136.30	133.45	130.60	128.25
605	$\frac{5}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97000605	119.25	.1714 - .2025	159.30	142.10	136.30	133.45	130.60	128.25
406	$\frac{3}{4}$	6	$\frac{1}{8}$	.217	2 $\frac{1}{8}$	97000406	124.45	.1100 - .1400	164.80	147.55	141.75	139.05	136.10	133.70
506	$\frac{3}{4}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97000506	124.45	.1401 - .1713	164.80	147.55	141.75	139.05	136.10	133.70
606	$\frac{3}{4}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97000606	124.45	.1714 - .2025	164.80	147.55	141.75	139.05	136.10	133.70
-	$\frac{3}{4}$	6	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97002407	141.65	.2026 - .2339	171.25	153.35	147.30	144.50	141.45	138.95
806	$\frac{3}{4}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97000806	124.45	.2340 - .2650	164.80	147.55	141.75	139.05	136.10	133.70
507	$\frac{7}{8}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97000507	130.30	.1401 - .1713	170.90	153.70	147.90	145.25	142.30	139.85
607	$\frac{7}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97000607	130.30	.1714 - .2025	170.90	153.70	147.90	145.25	142.30	139.85
707	$\frac{7}{8}$	6	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97000707	130.30	.2026 - .2339	170.90	153.70	147.90	145.25	142.30	139.85
807	$\frac{7}{8}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97000807	130.30	.2340 - .2650	170.90	153.70	147.90	145.25	142.30	139.85
608	1	8	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97000608	147.10	.1714 - .2025	188.45	171.25	165.35	162.65	159.75	157.40
708	1	8	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97000708	147.10	.2026 - .2339	188.45	171.25	165.35	162.65	159.75	157.40
808	1	8	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97000808	147.10	.2340 - .2650	188.45	171.25	165.35	162.65	159.75	157.40
-	1	8	$\frac{5}{32}$	.401	2 $\frac{5}{32}$	97003209	167.35	.2651 - .2968	195.85	177.95	171.85	169.00	166.00	163.55
1008	1	8	$\frac{5}{16}$	.401	2 $\frac{5}{16}$	97001008	147.10	.2969 - .3281	188.45	171.25	165.35	162.65	159.75	157.40
-	1	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97003211	167.35	.3282 - .3593	195.85	177.95	171.85	169.00	166.00	163.55
1208	1	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97001208	147.10	.3594 - .3900	188.45	171.25	165.35	162.65	159.75	157.40
609	1 $\frac{1}{8}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97000609	154.40	.1714 - .2025	196.15	179.00	173.20	170.45	167.50	165.15
709	1 $\frac{1}{8}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97000709	154.40	.2026 - .2339	196.15	179.00	173.20	170.45	167.50	165.15
809	1 $\frac{1}{8}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97000809	154.40	.2340 - .2650	196.15	179.00	173.20	170.45	167.50	165.15
-	1 $\frac{1}{8}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97003609	175.80	.2651 - .2968	203.85	186.05	180.00	177.15	174.05	171.60
1009	1 $\frac{1}{8}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97001009	154.40	.2969 - .3281	196.15	179.00	173.20	170.45	167.50	165.15
610	1 $\frac{1}{4}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97000610	162.10	.1714 - .2025	204.25	187.10	181.30	178.50	175.60	173.20
710	1 $\frac{1}{4}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97000710	162.10	.2026 - .2339	204.25	187.10	181.30	178.50	175.60	173.20
810	1 $\frac{1}{4}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97000810	162.10	.2340 - .2650	204.25	187.10	181.30	178.50	175.60	173.20
-	1 $\frac{1}{4}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97004009	184.55	.2651 - .2968	212.25	194.45	188.40	185.50	182.50	180.00
1010	1 $\frac{1}{4}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97001010	162.10	.2969 - .3281	204.25	187.10	181.30	178.50	175.60	173.20
-	1 $\frac{1}{4}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97004011	184.55	.3282 - .3593	212.25	194.45	188.40	185.50	182.50	180.00
1210	1 $\frac{1}{4}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97001210	162.10	.3594 - .3900	204.25	187.10	181.30	178.50	175.60	173.20
811	1 $\frac{3}{8}$	8	$\frac{1}{4}$	.401	2 $\frac{1}{4}$	97000811	170.35	.2340 - .2650	212.80	195.65	189.85	187.10	184.10	181.80
-	1 $\frac{3}{8}$	8	$\frac{9}{32}$	.467	2 $\frac{9}{32}$	97004409	193.85	.2651 - .2968	221.15	203.30	197.30	194.45	191.35	188.95
1011	1 $\frac{3}{8}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97001011	170.35	.2969 - .3281	212.80	195.65	189.85	187.10	184.10	181.80
-	1 $\frac{3}{8}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97004411	193.85	.3282 - .3593	221.15	203.30	197.30	194.45	191.35	188.95
1211	1 $\frac{3}{8}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97001211	170.35	.3594 - .3900	212.80	195.65	189.85	187.10	184.10	181.80
812	1 $\frac{1}{2}$	8	$\frac{1}{4}$	.435	2 $\frac{1}{4}$	97000812	178.85	.2340 - .2650	221.70	204.55	198.80	196.05	193.05	190.75
-	1 $\frac{1}{2}$	8	$\frac{9}{32}$	.467	2 $\frac{9}{32}$	97004809	203.65	.2651 - .2968	230.40	212.60	206.60	203.75	200.60	198.20
1012	1 $\frac{1}{2}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97001012	178.85	.2969 - .3281	221.70	204.55	198.80	196.05	193.05	190.75
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97004811	203.65	.3282 - .3593	230.40	212.60	206.60	203.75	200.60	198.20
1212	1 $\frac{1}{2}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97001212	178.85	.3594 - .3900	221.70	204.55	198.80	196.05	193.05	190.75
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97004813	203.65	.3901 - .4219	230.40	212.60	206.60	203.75	200.60	198.20
-	1 $\frac{1}{2}$	8	$\frac{7}{16}$	.467	2 $\frac{7}{16}$	97004814	203.65	.4220 - .4531	230.40	212.60	206.60	203.75	200.60	198.20
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97004815	203.65	.4532 - .4843	230.40	212.60	206.60	203.75	200.60	198.20
-	1 $\frac{1}{2}$	8	$\frac{1}{2}$	.467	2 $\frac{1}{2}$	97004816	203.65	.4844 - .5150	230.40	212.60	206.60	203.75	200.60	198.20

*Quantities of 15 or more: price of fractional size in same size range.



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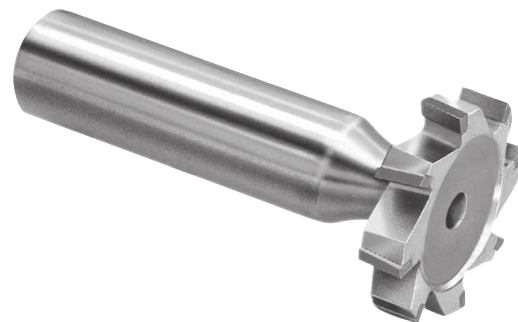
Made in the USA

KEYSEAT CUTTERS - NON-FERROUS

CARBIDE TIPPED

List No. 9800 - Staggered Tooth - For Non-Ferrous

Use: Alternate right and left hand axial rake for milling slots in cast iron, non-ferrous, plastic and non-metals. Hardened alloy steel bodies with brazed on carbide tips.



Tool diameter tolerance: $\pm .020''/\pm .015''$

Face width tolerance: $\pm 0''/\pm .0005''$

Shank: $\frac{1}{2}''$ diameter; 2" long

AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	OAL	LIST 9800 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
									1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
204	$\frac{1}{2}$	6	$\frac{1}{16}$	.130	2 $\frac{1}{16}$	97010204	\$135.40	.0575 - .0787	\$176.25	\$159.05	\$153.25	\$150.55	\$147.55	\$145.25
304	$\frac{1}{2}$	6	$\frac{3}{32}$	.160	2 $\frac{3}{32}$	97010304	135.40	.0788 - .1088	176.25	159.05	153.25	150.55	147.55	145.25
404	$\frac{1}{2}$	6	$\frac{1}{8}$	.191	2 $\frac{1}{8}$	97010404	135.40	.1089 - .1400	176.25	159.05	153.25	150.55	147.55	145.25
305	$\frac{3}{8}$	6	$\frac{3}{32}$	.191	2 $\frac{3}{32}$	97010305	140.25	.0788 - .1088	181.35	164.15	158.35	155.55	152.65	150.30
405	$\frac{3}{8}$	6	$\frac{1}{8}$	.223	2 $\frac{1}{8}$	97010405	140.25	.1089 - .1400	181.35	164.15	158.35	155.55	152.65	150.30
505	$\frac{3}{8}$	6	$\frac{5}{32}$	.252	2 $\frac{5}{32}$	97010505	140.25	.1401 - .1713	181.35	164.15	158.35	155.55	152.65	150.30
605	$\frac{3}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97010605	140.25	.1714 - .2025	181.35	164.15	158.35	155.55	152.65	150.30
406	$\frac{3}{4}$	6	$\frac{1}{8}$	.217	2 $\frac{1}{8}$	97010406	146.50	.1100 - .1400	187.95	170.75	164.95	162.10	159.25	156.95
506	$\frac{3}{4}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97010506	146.50	.1401 - .1713	187.95	170.75	164.95	162.10	159.25	156.95
606	$\frac{3}{4}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97010606	146.50	.1714 - .2025	187.95	170.75	164.95	162.10	159.25	156.95
-	$\frac{3}{4}$	6	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97012407	166.80	.2026 - .2339	195.30	177.45	171.40	168.45	165.50	163.10
806	$\frac{3}{4}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97010806	146.50	.2340 - .2650	187.95	170.75	164.95	162.10	159.25	156.95
507	$\frac{7}{8}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97010507	153.25	.1401 - .1713	194.90	177.70	171.95	169.15	166.20	163.90
607	$\frac{7}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97010607	153.25	.1714 - .2025	194.90	177.70	171.95	169.15	166.20	163.90
707	$\frac{7}{8}$	6	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97010707	153.25	.2026 - .2339	194.90	177.70	171.95	169.15	166.20	163.90
807	$\frac{7}{8}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97010807	153.25	.2340 - .2650	194.90	177.70	171.95	169.15	166.20	163.90
608	1	8	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97010608	172.90	.1714 - .2025	215.60	198.30	192.60	189.75	186.80	184.55
708	1	8	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97010708	172.90	.2026 - .2339	215.60	198.30	192.60	189.75	186.80	184.55
808	1	8	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97010808	172.90	.2340 - .2650	215.60	198.30	192.60	189.75	186.80	184.55
-	1	8	$\frac{5}{32}$	.401	2 $\frac{5}{32}$	97013209	196.85	.2651 - .2968	224.05	206.05	200.15	197.20	194.15	191.80
1008	1	8	$\frac{5}{16}$	.401	2 $\frac{5}{16}$	97011008	172.90	.2969 - .3281	215.60	198.30	192.60	189.75	186.80	184.55
-	1	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97013211	196.85	.3282 - .3593	224.05	206.05	200.15	197.20	194.15	191.80
1208	1	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97011208	172.90	.3594 - .3900	215.60	198.30	192.60	189.75	186.80	184.55
609	1 $\frac{1}{8}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97010609	181.55	.1714 - .2025	224.55	207.30	201.55	198.80	195.95	193.50
709	1 $\frac{1}{8}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97010709	181.55	.2026 - .2339	224.55	207.30	201.55	198.80	195.95	193.50
809	1 $\frac{1}{8}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97010809	181.55	.2340 - .2650	224.55	207.30	201.55	198.80	195.95	193.50
-	1 $\frac{1}{8}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97013609	206.60	.2651 - .2968	233.35	215.45	209.45	206.60	203.65	201.10
1009	1 $\frac{1}{8}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97011009	181.55	.2969 - .3281	224.55	207.30	201.55	198.80	195.95	193.50
610	1 $\frac{1}{4}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97010610	190.70	.1714 - .2025	234.10	216.90	211.20	208.35	205.35	203.05
710	1 $\frac{1}{4}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97010710	190.70	.2026 - .2339	234.10	216.90	211.20	208.35	205.35	203.05
810	1 $\frac{1}{4}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97010810	190.70	.2340 - .2650	234.10	216.90	211.20	208.35	205.35	203.05
-	1 $\frac{1}{4}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97014009	217.00	.2651 - .2968	243.25	225.40	219.45	216.50	213.40	211.00
1010	1 $\frac{1}{4}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97011010	190.70	.2969 - .3281	234.10	216.90	211.20	208.35	205.35	203.05
-	1 $\frac{1}{4}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97014011	217.00	.3282 - .3593	243.25	225.40	219.45	216.50	213.40	211.00
1210	1 $\frac{1}{4}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97011210	190.70	.3594 - .3900	234.10	216.90	211.20	208.35	205.35	203.05
811	1 $\frac{3}{8}$	8	$\frac{1}{4}$	.401	2 $\frac{1}{4}$	97010811	200.30	.2340 - .2650	244.25	227.10	221.30	218.45	215.60	213.20
-	1 $\frac{3}{8}$	8	$\frac{5}{32}$	.467	2 $\frac{5}{32}$	97014409	228.00	.2651 - .2968	253.80	236.00	229.95	227.00	224.05	221.55
1011	1 $\frac{3}{8}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97011011	200.30	.2969 - .3281	244.25	227.10	221.30	218.45	215.60	213.20
-	1 $\frac{3}{8}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97014411	228.00	.3282 - .3593	253.80	236.00	229.95	227.00	224.05	221.55
1211	1 $\frac{3}{8}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97011211	200.30	.3594 - .3900	244.25	227.10	221.30	218.45	215.60	213.20
812	1 $\frac{1}{2}$	8	$\frac{1}{4}$	.435	2 $\frac{1}{4}$	97010812	210.40	.2340 - .2650	254.70	237.50	231.75	229.05	226.05	223.70
-	1 $\frac{1}{2}$	8	$\frac{5}{32}$	.467	2 $\frac{5}{32}$	97014809	239.45	.2651 - .2968	264.70	246.80	240.85	238.00	234.90	232.45
1012	1 $\frac{1}{2}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97011012	210.40	.2969 - .3281	254.70	237.50	231.75	229.05	226.05	223.70
-	1 $\frac{1}{2}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97014811	239.45	.3282 - .3593	264.70	246.80	240.85	238.00	234.90	232.45
1212	1 $\frac{1}{2}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97011212	210.40	.3594 - .3900	254.70	237.50	231.75	229.05	226.05	223.70
-	1 $\frac{1}{2}$	8	$\frac{13}{32}$	.467	2 $\frac{13}{32}$	97014813	239.45	.3901 - .4219	264.70	246.80	240.85	238.00	234.90	232.45
-	1 $\frac{1}{2}$	8	$\frac{7}{16}$	.467	2 $\frac{7}{16}$	97014814	239.45	.4220 - .4531	264.70	246.80	240.85	238.00	234.90	232.45
-	1 $\frac{1}{2}$	8	$\frac{13}{32}$	.467	2 $\frac{13}{32}$	97014815	239.45	.4532 - .4843	264.70	246.80	240.85	238.00	234.90	232.45
-	1 $\frac{1}{2}$	8	$\frac{1}{2}$	.467	2 $\frac{1}{2}$	97014816	239.45	.4844 - .5150	264.70	246.80	240.85	238.00	234.90	232.45

*Quantities of 15 or more: price of fractional size in same size range.

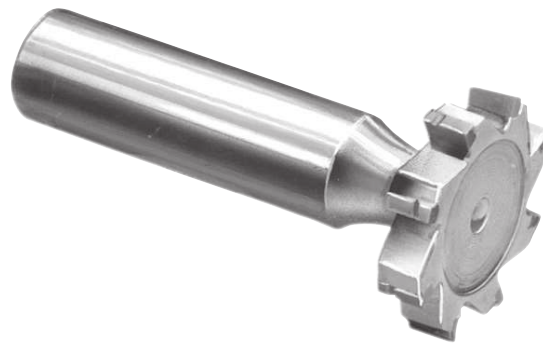
KEYSEAT CUTTERS - STEEL

CARBIDE TIPPED

List No. 9710 - Straight Tooth - For Steel

Use: Appropriate carbide grade and straight flutes for milling slots in steel. Chip breakers on List No. 9710 $\frac{3}{32}$ " width and greater.

Hardened alloy steel bodies with brazed on carbide tips. Decimal size cutters DO NOT have chip breakers.



Tool diameter tolerance: $+.020"/+.015"$

Face width tolerance: $+0"/-.0005"$

Shank: $\frac{1}{2}$ " diameter; 2" long

AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	OAL	LIST 9710 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
									1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
204	$\frac{1}{2}$	6	$\frac{1}{16}$	.130	2 $\frac{1}{16}$	97020204	\$138.15	.0575 - .0787	\$182.30	\$163.55	\$157.20	\$154.25	\$151.00	\$148.40
304	$\frac{1}{2}$	6	$\frac{3}{32}$	.160	2 $\frac{3}{32}$	97020304	138.15	.0788 - .1088	182.30	163.55	157.20	154.25	151.00	148.40
404	$\frac{1}{2}$	6	$\frac{1}{8}$	.191	2 $\frac{1}{8}$	97020404	138.15	.1089 - .1400	182.30	163.55	157.20	154.25	151.00	148.40
305	$\frac{5}{8}$	6	$\frac{3}{32}$	.191	2 $\frac{3}{32}$	97020305	143.15	.0788 - .1088	187.40	168.65	162.40	159.30	156.20	153.60
405	$\frac{5}{8}$	6	$\frac{1}{8}$	.223	2 $\frac{1}{8}$	97020405	143.15	.1089 - .1400	187.40	168.65	162.40	159.30	156.20	153.60
505	$\frac{5}{8}$	6	$\frac{5}{32}$	.252	2 $\frac{5}{32}$	97020505	143.15	.1401 - .1713	187.40	168.65	162.40	159.30	156.20	153.60
605	$\frac{5}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97020605	143.15	.1714 - .2025	187.40	168.65	162.40	159.30	156.20	153.60
406	$\frac{3}{4}$	6	$\frac{1}{8}$	.217	2 $\frac{1}{8}$	97020406	149.40	.1100 - .1400	194.10	175.30	168.95	165.90	162.70	160.15
506	$\frac{3}{4}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97020506	149.40	.1401 - .1713	194.10	175.30	168.95	165.90	162.70	160.15
606	$\frac{3}{4}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97020606	149.40	.1714 - .2025	194.10	175.30	168.95	165.90	162.70	160.15
-	$\frac{3}{4}$	6	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97022407	163.60	.2026 - .2339	194.10	175.30	168.95	165.90	162.70	160.15
806	$\frac{3}{4}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97020806	149.40	.2340 - .2650	194.10	175.30	168.95	165.90	162.70	160.15
507	$\frac{7}{8}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97020507	156.50	.1401 - .1713	201.45	182.65	176.30	173.25	170.15	167.50
607	$\frac{7}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97020607	156.50	.1714 - .2025	201.45	182.65	176.30	173.25	170.15	167.50
707	$\frac{7}{8}$	6	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97020707	156.50	.2026 - .2339	201.45	182.65	176.30	173.25	170.15	167.50
807	$\frac{7}{8}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97020807	156.50	.2340 - .2650	201.45	182.65	176.30	173.25	170.15	167.50
608	1	8	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97020608	176.55	.1714 - .2025	222.35	203.70	197.25	194.30	191.10	188.55
708	1	8	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97020708	176.55	.2026 - .2339	222.35	203.70	197.25	194.30	191.10	188.55
808	1	8	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97020808	176.55	.2340 - .2650	222.35	203.70	197.25	194.30	191.10	188.55
-	1	8	$\frac{5}{32}$	.401	2 $\frac{5}{32}$	97023209	193.35	.2651 - .2968	222.35	203.70	197.25	194.30	191.10	188.55
1008	1	8	$\frac{5}{16}$	.401	2 $\frac{5}{16}$	97021008	176.55	.2969 - .3281	222.35	203.70	197.25	194.30	191.10	188.55
-	1	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97023211	193.35	.3282 - .3593	222.35	203.70	197.25	194.30	191.10	188.55
1208	1	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97021208	176.55	.3594 - .3900	222.35	203.70	197.25	194.30	191.10	188.55
609	1 $\frac{1}{8}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97020609	185.40	.1714 - .2025	231.70	213.00	206.60	203.70	200.45	197.80
709	1 $\frac{1}{8}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97020709	185.40	.2026 - .2339	231.70	213.00	206.60	203.70	200.45	197.80
809	1 $\frac{1}{8}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97020809	185.40	.2340 - .2650	231.70	213.00	206.60	203.70	200.45	197.80
-	1 $\frac{1}{8}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97023609	203.05	.2651 - .2968	231.70	213.00	206.60	203.70	200.45	197.80
1009	1 $\frac{1}{8}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97021009	185.40	.2969 - .3281	231.70	213.00	206.60	203.70	200.45	197.80
610	1 $\frac{1}{4}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97020610	194.60	.1714 - .2025	241.40	222.60	216.35	213.25	210.10	207.55
710	1 $\frac{1}{4}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97020710	194.60	.2026 - .2339	241.40	222.60	216.35	213.25	210.10	207.55
810	1 $\frac{1}{4}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97020810	194.60	.2340 - .2650	241.40	222.60	216.35	213.25	210.10	207.55
-	1 $\frac{1}{4}$	8	$\frac{9}{32}$	.435	2 $\frac{9}{32}$	97024009	213.15	.2651 - .2968	241.40	222.60	216.35	213.25	210.10	207.55
1010	1 $\frac{1}{4}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97021010	194.60	.2969 - .3281	241.40	222.60	216.35	213.25	210.10	207.55
-	1 $\frac{1}{4}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97024011	213.15	.3282 - .3593	241.40	222.60	216.35	213.25	210.10	207.55
1210	1 $\frac{1}{4}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97021210	194.60	.3594 - .3900	241.40	222.60	216.35	213.25	210.10	207.55
811	1 $\frac{3}{8}$	8	$\frac{1}{4}$	.401	2 $\frac{1}{4}$	97020811	204.45	.2340 - .2650	251.85	233.00	226.70	223.55	220.35	217.85
-	1 $\frac{3}{8}$	8	$\frac{9}{32}$	.467	2 $\frac{9}{32}$	97024409	223.85	.2651 - .2968	251.85	233.00	226.70	223.55	220.35	217.85
1011	1 $\frac{3}{8}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97021011	204.45	.2969 - .3281	251.85	233.00	226.70	223.55	220.35	217.85
-	1 $\frac{3}{8}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97024411	223.85	.3282 - .3593	251.85	233.00	226.70	223.55	220.35	217.85
1211	1 $\frac{3}{8}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97021211	204.45	.3594 - .3900	251.85	233.00	226.70	223.55	220.35	217.85
812	1 $\frac{1}{2}$	8	$\frac{1}{4}$	.435	2 $\frac{1}{4}$	97020812	214.65	.2340 - .2650	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$\frac{9}{32}$	.467	2 $\frac{9}{32}$	97024809	235.10	.2651 - .2968	262.45	243.75	237.45	234.40	231.15	228.70
1012	1 $\frac{1}{2}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97021012	214.65	.2969 - .3281	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97024811	235.10	.3282 - .3593	262.45	243.75	237.45	234.40	231.15	228.70
1212	1 $\frac{1}{2}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97021212	214.65	.3594 - .3900	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97024813	235.10	.3901 - .4219	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$\frac{7}{16}$	.467	2 $\frac{7}{16}$	97024814	235.10	.4220 - .4531	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$1\frac{1}{32}$	.467	2 $1\frac{1}{32}$	97024815	235.10	.4532 - .4843	262.45	243.75	237.45	234.40	231.15	228.70
-	1 $\frac{1}{2}$	8	$\frac{1}{2}$	.467	2 $\frac{1}{2}$	97024816	235.10	.4844 - .5150	262.45	243.75	237.45	234.40	231.15	228.70

*Quantities of 15 or more: price of fractional size in same size range.



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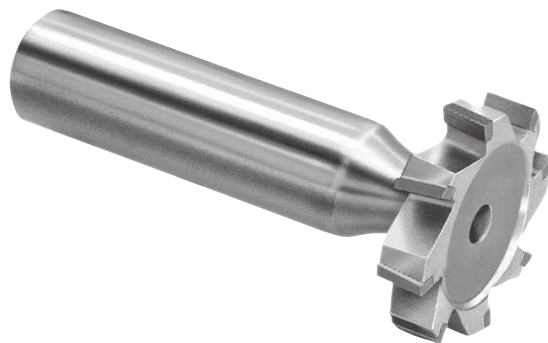
Made in the USA

KEYSEAT CUTTERS - STEEL

CARBIDE TIPPED

List No. 9810 - Staggered Tooth - For Steel

Use: Appropriate carbide grade with alternate right and left hand axial rake for milling slots in steel. Hardened alloy steel bodies with brazed on carbide tips.



Tool diameter tolerance: $\pm .020''/\pm .015''$

Face width tolerance: $\pm 0''/\pm .0005''$

Shank: $\frac{1}{2}''$ diameter; 2" long

AMERICAN STANDARD NO.	TOOL DIAM.	NO. OF TEETH	WIDTH	NECK DIAM.	OAL	LIST 9810 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
									1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
204	$\frac{1}{2}$	6	$\frac{1}{16}$	.130	2 $\frac{1}{16}$	97030204	\$162.55	.0575 - .0787	\$207.80	\$189.05	\$182.75	\$179.65	\$176.55	\$174.00
304	$\frac{1}{2}$	6	$\frac{3}{32}$	.160	2 $\frac{3}{32}$	97030304	162.55	.0788 - .1088	207.80	189.05	182.75	179.65	176.55	174.00
404	$\frac{1}{2}$	6	$\frac{1}{8}$	.191	2 $\frac{1}{8}$	97030404	162.55	.1089 - .1400	207.80	189.05	182.75	179.65	176.55	174.00
305	$\frac{3}{8}$	6	$\frac{3}{32}$	.191	2 $\frac{3}{32}$	97030305	168.30	.0788 - .1088	213.85	195.15	188.85	185.80	182.65	180.05
405	$\frac{3}{8}$	6	$\frac{1}{8}$	.223	2 $\frac{1}{8}$	97030405	168.30	.1089 - .1400	213.85	195.15	188.85	185.80	182.65	180.05
505	$\frac{3}{8}$	6	$\frac{5}{32}$	.252	2 $\frac{5}{32}$	97030505	168.30	.1401 - .1713	213.85	195.15	188.85	185.80	182.65	180.05
605	$\frac{3}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97030605	168.30	.1714 - .2025	213.85	195.15	188.85	185.80	182.65	180.05
406	$\frac{3}{4}$	6	$\frac{1}{8}$	.217	2 $\frac{1}{8}$	97030406	175.90	.1100 - .1400	221.80	203.10	196.80	193.75	190.50	187.95
506	$\frac{3}{4}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97030506	175.90	.1401 - .1713	221.80	203.10	196.80	193.75	190.50	187.95
606	$\frac{3}{4}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97030606	175.90	.1714 - .2025	221.80	203.10	196.80	193.75	190.50	187.95
-	$\frac{3}{4}$	6	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97032407	192.60	.2026 - .2339	221.80	203.10	196.80	193.75	190.50	187.95
806	$\frac{3}{4}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97030806	175.90	.2340 - .2650	221.80	203.10	196.80	193.75	190.50	187.95
507	$\frac{7}{8}$	6	$\frac{5}{32}$	.246	2 $\frac{5}{32}$	97030507	184.00	.1401 - .1713	230.25	211.50	205.15	202.00	198.85	196.45
607	$\frac{7}{8}$	6	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97030607	184.00	.1714 - .2025	230.25	211.50	205.15	202.00	198.85	196.45
707	$\frac{7}{8}$	6	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97030707	184.00	.2026 - .2339	230.25	211.50	205.15	202.00	198.85	196.45
807	$\frac{7}{8}$	6	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97030807	184.00	.2340 - .2650	230.25	211.50	205.15	202.00	198.85	196.45
608	1	8	$\frac{3}{16}$	.279	2 $\frac{3}{16}$	97030608	207.55	.1714 - .2025	254.90	236.20	229.85	226.85	223.65	221.10
708	1	8	$\frac{7}{32}$	.312	2 $\frac{7}{32}$	97030708	207.55	.2026 - .2339	254.90	236.20	229.85	226.85	223.65	221.10
808	1	8	$\frac{1}{4}$	.342	2 $\frac{1}{4}$	97030808	207.55	.2340 - .2650	254.90	236.20	229.85	226.85	223.65	221.10
-	1	8	$\frac{5}{32}$	.401	2 $\frac{5}{32}$	97033209	227.40	.2651 - .2968	254.90	236.20	229.85	226.85	223.65	221.10
1008	1	8	$\frac{5}{16}$	.401	2 $\frac{5}{16}$	97031008	207.55	.2969 - .3281	254.90	236.20	229.85	226.85	223.65	221.10
-	1	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97033211	227.40	.3282 - .3593	254.90	236.20	229.85	226.85	223.65	221.10
1208	1	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97031208	207.55	.3594 - .3900	254.90	236.20	229.85	226.85	223.65	221.10
609	1 $\frac{1}{8}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97030609	217.85	.1714 - .2025	265.75	246.95	240.65	237.65	234.50	231.80
709	1 $\frac{1}{8}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97030709	217.85	.2026 - .2339	265.75	246.95	240.65	237.65	234.50	231.80
809	1 $\frac{1}{8}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97030809	217.85	.2340 - .2650	265.75	246.95	240.65	237.65	234.50	231.80
-	1 $\frac{1}{8}$	8	$\frac{5}{32}$	.435	2 $\frac{5}{32}$	97033609	238.55	.2651 - .2968	265.75	246.95	240.65	237.65	234.50	231.80
1009	1 $\frac{1}{8}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97031009	217.85	.2969 - .3281	265.75	246.95	240.65	237.65	234.50	231.80
610	1 $\frac{1}{4}$	8	$\frac{3}{16}$	.312	2 $\frac{3}{16}$	97030610	228.85	.1714 - .2025	277.20	258.45	252.15	249.15	246.05	243.40
710	1 $\frac{1}{4}$	8	$\frac{7}{32}$	.342	2 $\frac{7}{32}$	97030710	228.85	.2026 - .2339	277.20	258.45	252.15	249.15	246.05	243.40
810	1 $\frac{1}{4}$	8	$\frac{1}{4}$	.374	2 $\frac{1}{4}$	97030810	228.85	.2340 - .2650	277.20	258.45	252.15	249.15	246.05	243.40
-	1 $\frac{1}{4}$	8	$\frac{5}{32}$	.435	2 $\frac{5}{32}$	97034009	250.70	.2651 - .2968	277.20	258.45	252.15	249.15	246.05	243.40
1010	1 $\frac{1}{4}$	8	$\frac{5}{16}$	.435	2 $\frac{5}{16}$	97031010	228.85	.2969 - .3281	277.20	258.45	252.15	249.15	246.05	243.40
-	1 $\frac{1}{4}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97034011	250.70	.3282 - .3593	277.20	258.45	252.15	249.15	246.05	243.40
1210	1 $\frac{1}{4}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97031210	228.85	.3594 - .3900	277.20	258.45	252.15	249.15	246.05	243.40
811	1 $\frac{3}{8}$	8	$\frac{1}{4}$	.401	2 $\frac{1}{4}$	97030811	240.50	.2340 - .2650	289.40	270.65	264.25	261.30	258.10	255.50
-	1 $\frac{3}{8}$	8	$\frac{5}{32}$	.467	2 $\frac{5}{32}$	97034409	263.30	.2651 - .2968	289.40	270.65	264.25	261.30	258.10	255.50
1011	1 $\frac{3}{8}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97031011	240.50	.2969 - .3281	289.40	270.65	264.25	261.30	258.10	255.50
-	1 $\frac{3}{8}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97034411	263.30	.3282 - .3593	289.40	270.65	264.25	261.30	258.10	255.50
1211	1 $\frac{3}{8}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97031211	240.50	.3594 - .3900	289.40	270.65	264.25	261.30	258.10	255.50
812	1 $\frac{1}{2}$	8	$\frac{1}{4}$	.435	2 $\frac{1}{4}$	97030812	252.50	.2340 - .2650	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{5}{32}$	.467	2 $\frac{5}{32}$	97034809	276.50	.2651 - .2968	302.00	283.25	276.90	273.90	270.65	268.25
1012	1 $\frac{1}{2}$	8	$\frac{5}{16}$	.467	2 $\frac{5}{16}$	97031012	252.50	.2969 - .3281	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{11}{32}$	.467	2 $\frac{11}{32}$	97034811	276.50	.3282 - .3593	302.00	283.25	276.90	273.90	270.65	268.25
1212	1 $\frac{1}{2}$	8	$\frac{3}{8}$	.467	2 $\frac{3}{8}$	97031212	252.50	.3594 - .3900	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{13}{32}$	.467	2 $\frac{13}{32}$	97034813	276.50	.3901 - .4219	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{7}{16}$	.467	2 $\frac{7}{16}$	97034814	276.50	.4220 - .4531	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{13}{32}$	.467	2 $\frac{13}{32}$	97034815	276.50	.4532 - .4843	302.00	283.25	276.90	273.90	270.65	268.25
-	1 $\frac{1}{2}$	8	$\frac{1}{2}$	.467	2 $\frac{1}{2}$	97034816	276.50	.4844 - .5150	302.00	283.25	276.90	273.90	270.65	268.25

*Quantities of 15 or more: price of fractional size in same size range.

DOUBLE ANGLE CUTTERS

CARBIDE TIPPED

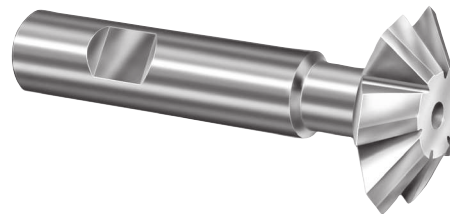
List No. 9746 - 60° Included Angle - For Non-Ferrous & Cast Iron

List No. 9747 - 60° Included Angle - For Steel

List No. 9748 - 90° Included Angle - For Non-Ferrous & Cast Iron

List No. 9749 - 90° Included Angle - For Steel

Corner radius: .010"-.015"



TOOL DIAM.	SHANK DIAM.	NO. OF TEETH	60° INCLUDED ANGLE						90° INCLUDED ANGLE					
			OAL	CUTTER WIDTH	LIST 9746 EDP NO.	PRICE EACH	LIST 9747 EDP NO.	PRICE EACH	OAL	CUTTER WIDTH	LIST 9748 EDP NO.	PRICE EACH	LIST 9749 EDP NO.	PRICE EACH
¾	⅝	6	2 ⅜	⅜ ₁₆	974624	\$197.35	974724	\$217.15	2 ⅜	¼	974824	\$197.35	974924	\$217.15
1	½	6	2 27⁄32	⅝ ₁₆	974632	233.05	974732	256.45	2 29⁄32	⅜	974832	233.05	974932	256.45
1 ⅜	⅝	6	3 7⁄32	7⁄16	974644	269.95	974744	297.05	3 3⁄32	½	974844	269.95	974944	297.05
1 ½	⅝	6	3 ⅜	½	974648	283.60	974748	311.90	3 7⁄16	⅝ ₁₆	974848	283.60	974948	311.90
1 7⁄8	¾	6	3 25⁄32	⅝	974660	430.60	974760	473.70	3 25⁄32	⅝	974860	430.60	974960	473.70
2 ¼	7⁄8	6	4 5⁄32	¾	974672	582.85	974772	641.10	4 5⁄32	¾	974872	582.85	974972	641.10

CORNER ROUNDING CUTTERS

CARBIDE TIPPED

List No. 9756 - For Non-Ferrous & Cast Iron

List No. 9757 - For Steel

Use: Milling round corners on square edges.

CIRCLE RADIUS	TOOL DIAM.	SHANK DIAM.	END DIAM.	CARB. LEN.	OAL	LIST 9756		LIST 9757	
						EDP NO.	PRICE EACH	EDP NO.	PRICE EACH
1/16	7/16	3/8	17/64	13/32	2 3/4	96602	\$155.95	96702	\$168.50
3/32	1/2	3/8	17/64	13/32	2 3/4	96603	155.95	96703	168.50
1/8	5/8	1/2	17/64	13/32	3	96604	161.45	96704	174.25
5/32	3/4	1/2	23/64	13/32	3	96605	171.25	96705	184.90
3/16	7/8	3/4	13/32	13/32	3 1/4	96606	181.15	96706	195.60
1/4	1	3/4	13/32	15/32	3 1/4	96608	206.45	96708	222.95
3/16	1 1/8	7/8	13/32	19/32	3 1/2	96610	212.10	96710	229.05
3/8	1 1/4	7/8	13/32	25/32	3 3/4	96612	220.30	96712	238.00
7/16	1 3/8	1	13/32	7/8	4	96614	245.40	96714	265.05
1/2	1 1/2	1	13/32	1	4	96616	273.05	96716	295.05
5/8	2	1 1/4	21/32	1 7/32	4 1/4	96620	336.05	96720	363.00



RADIUS CUTTERS

CARBIDE TIPPED

List No. 9718 - For Non-Ferrous & Cast Iron

List No. 9719 - For Steel

Right hand cut. Convex radius. Tool diameter tolerance: +.005"/-0.

Radius Tolerance thru 1/8" radius: +.001"/-.001". Over 1/8" radius: +.002"/-.002".

CUTTER RADIUS	TOOL DIAM.	SHANK DIAM.	NO. OF TEETH	CUTTER WIDTH	OAL	LIST 9718		LIST 9719	
						EDP NO.	PRICE EACH	EDP NO.	PRICE EACH
1/32	3/4	1/2	6	1/16	3	971801	\$246.20	971901	\$270.85
1/16	3/4	1/2	6	1/8	3	971802	246.20	971902	270.85
3/32	7/8	1/2	6	3/16	3	971803	269.20	971903	296.00
1/8	1 1/4	3/4	6	1/4	3 1/2	971804	292.90	971904	322.30
3/32	1 3/16	3/4	6	5/16	3 1/2	971805	337.15	971905	370.80
3/16	1 3/8	3/4	6	3/8	3 1/2	971806	356.75	971906	392.45
1/4	1 1/2	3/4	6	1/2	4	971808	369.30	971908	406.30



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T-SLOT - DOVETAIL - CHAMFER CUTTERS

CARBIDE TIPPED

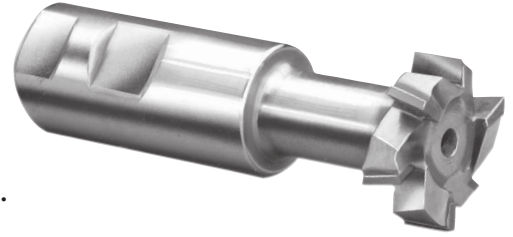
List No. 9720 - T-Slot - For Non-Ferrous & Cast Iron

List No. 9721 - T-Slot - For Steel

Use: Right and left hand helix with side cutting teeth for machining steel, cast iron and non-ferrous materials.

Standards available in high speed steel online at www.supertoolinc.com.

Tool diameter tolerance: $+0/-0.010$ "



BOLT DIAMETER	TOOL DIAMETER	SHANK DIAMETER	CUTTER WIDTH	NECK DIAMETER	UNDERCUT LENGTH	NO. OF TEETH	OVERALL LENGTH	LIST 9720 EDP NO.	PRICE EACH	LIST 9721 EDP NO.	PRICE EACH
1/4	9/16	1/2	15/64	17/64	35/64	6	2 19/32	92008	\$169.95	92108	\$183.50
5/16	21/32	1/2	17/64	21/64	39/64	6	2 11/16	92010	167.85	92110	181.30
3/8	25/32	3/4	21/64	13/32	59/64	6	3 1/4	92012	211.30	92112	228.25
1/2	31/32	3/4	25/64	17/32	63/64	6	3 7/16	92016	229.75	92116	248.05
5/8	1 1/4	1	31/64	21/32	1 1/64	6	3 15/16	92020	304.85	92120	329.40
3/4	1 15/32	1	5/8	25/32	1 1/2	6	4 7/16	92024	340.70	92124	367.90
1	1 27/32	1 1/4	53/64	1 1/32	1 43/64	8	4 13/16	92032	486.40	92132	525.40
1 1/4	2 7/32	1 1/4	1 3/32	1 7/32	1 31/32	8	5 3/8	92040	613.80	92140	662.95
1 1/2	2 21/32	1 1/4	1 11/32	1 17/32	2 1/8	8	5 29/32	92048	710.80	92148	767.70

List No. 9752 - 45° Dovetail - For Non-Ferrous & Cast Iron

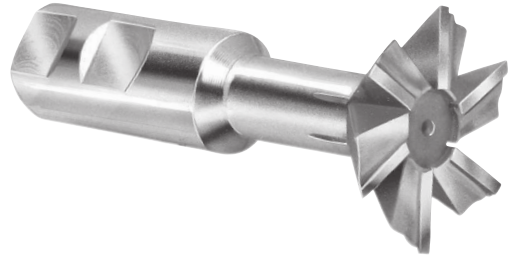
List No. 9753 - 45° Dovetail - For Steel

List No. 9750 - 60° Dovetail - For Non-Ferrous & Cast Iron

List No. 9751 - 60° Dovetail - For Steel

Use: For chamfering or dovetail applications.

Standards available in high speed steel online at www.supertoolinc.com



Tool diameter tolerance: $+0.015/-0$ "; corner radius: $.015$ "-.020"

TOOL DIAM.	SHANK DIAM.	NECK DIAM.	NO. OF TEETH	OVERALL LENGTH	45° ANGLE					60° ANGLE				
					CUTTER WIDTH	LIST 9752 EDP NO.	PRICE EACH	LIST 9753 EDP NO.	PRICE EACH	CUTTER WIDTH	LIST 9750 EDP NO.	PRICE EACH	LIST 9751 EDP NO.	PRICE EACH
1/2	3/8	3/16	3	2 1/8	5/32	96216	\$170.15	96316	172.75	7/32	96016	\$170.15	96116	\$172.75
3/4	3/8	1/4	3	2 1/4	1/4	96224	183.60	96324	186.15	1/4	96024	183.60	96124	186.15
1	1/2	3/8	4	2 1/2	5/16	96232	196.40	96332	199.25	3/8	96032	196.40	96132	199.25
1 1/4	5/8	1/2	4	2 3/4	3/8	96240	223.25	96340	226.45	1/2	96040	223.25	96140	226.45
1 1/2	3/4	1/2	4	3 1/4	1/2	96248	260.85	96348	264.60	5/8	96048	260.85	96148	264.60
2	1	3/4	6	4 1/4	5/8	96264	419.10	96364	425.10	3/4	96064	419.10	96164	425.10
2 1/2	1 1/4	1	6	4 3/8	3/4	96280	566.85	96380	574.75	7/8	96080	566.85	96180	574.75
3	1 1/4	1	6	4 1/2	1	96296	668.35	96396	677.95	1 1/8	96096	668.35	96196	677.95

List No. 9730 - 45° Chamfer - For Non-Ferrous & Cast Iron

List No. 9731 - 45° Chamfer - For Steel

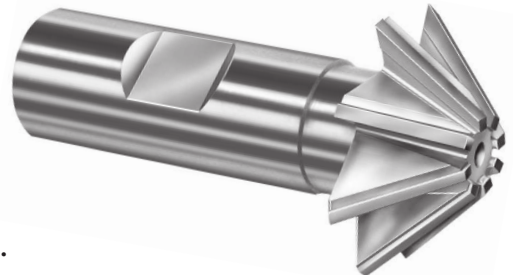
List No. 9732 - 60° Chamfer - For Non-Ferrous & Cast Iron

List No. 9733 - 60° Chamfer - For Steel

Use: For chamfering applications.

Standards available in high speed steel online at www.supertoolinc.com.

Tool diameter tolerance: $+0.015/-0$ "



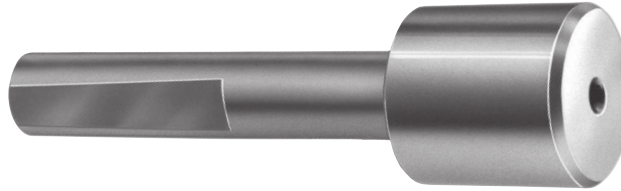
TOOL DIAM.	SHANK DIAM.	NO. OF TEETH	OVERALL LENGTH	45° ANGLE					60° ANGLE				
				CUTTER WIDTH	LIST 9730 EDP NO.	PRICE EACH	LIST 9731 EDP NO.	PRICE EACH	CUTTER WIDTH	LIST 9732 EDP NO.	PRICE EACH	LIST 9733 EDP NO.	PRICE EACH
1/2	3/8	4	2 1/8	1/8	973016	\$207.90	973116	\$228.60	7/32	973216	\$207.90	973316	\$228.60
3/4	3/8	6	2 1/8	3/16	973024	224.10	973124	246.45	5/16	973224	224.10	973324	246.45
1	1/2	6	2 1/2	5/16	973032	262.95	973132	289.15	7/16	973232	262.95	973332	289.15
1 1/2	3/4	8	2 3/4	1/2	973048	333.20	973148	366.70	5/8	973248	333.20	973348	366.70

COUNTERBORE PILOTS

CARBON STEEL

List No. 5776 - Counterbore Pilots

Use: For use with counterbores List No.
5778, 5779, 5780, 5781, & 9522; See
pages 11-14.



PILOT HEAD DIAMETER			TOLERANCE
1/8"	THRU	1/4"	-.001"/-.002"
OVER 1/4"	THRU	3/8"	-.003"/-.004"
OVER 3/8"	THRU	1 1/4"	-.005"/-.006"

PILOT HEAD DIAMETER		SHANK DIAMETER									ALL LIST PRICE	PRICE EACH - PILOT HEAD DIAMETER FINISHED TO DECIMAL SIZE					
		3/32	1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2		1 PC.	2 PC.	3 PC.	4 PC.	5-7	8+
DEC.	FRACTION	EDP NO.	EDP NO.	EDP NO.	EDP NO.	EDP NO.	EDP NO.	EDP NO.	EDP NO.	EDP NO.							
.1250	1/8	56202	-	-	-	-	-	-	-	-	\$30.40	\$120.85	\$75.65	\$60.60	\$53.20	\$45.50	\$39.20
.1562	5/32	56203	56305	-	-	-	-	-	-	-	24.70	115.05	69.95	54.85	47.20	39.80	33.50
.1875	3/16	56204	56306	56209	-	-	-	-	-	-	25.20	115.50	70.40	55.35	47.85	40.20	33.95
.2188	7/32	56205	56307	56210	56217	-	-	-	-	-	28.50	118.90	73.70	58.60	51.25	43.65	37.35
.2500	1/4	56206	56308	56211	56218	-	-	-	-	-	28.50	118.90	73.70	58.60	51.25	43.65	37.35
.2812	9/32	56207	56309	56212	56219	56327	-	-	-	-	30.40	120.85	75.65	60.60	53.20	45.50	39.20
.3125	5/16	56302	56310	56213	56220	56232	-	-	-	-	30.40	120.85	75.65	60.60	53.20	45.50	39.20
.3438	11/32	56303	56311	56214	56221	56233	56336	-	-	-	30.40	120.85	75.65	60.60	53.20	45.50	39.20
.3750	3/8	-	56312	56215	56222	56234	56342	-	-	-	33.50	123.95	78.80	63.65	56.10	48.60	42.45
.4062	13/32	-	56313	56201	56223	56235	56337	-	-	-	33.50	123.95	78.80	63.65	56.10	48.60	42.45
.4375	7/16	-	56314	56216	56224	56236	56343	56264	-	-	34.35	124.65	79.50	64.50	56.95	49.45	43.15
.4688	15/32	-	56315	-	56225	56237	56251	-	-	-	34.35	124.65	79.50	64.50	56.95	49.45	43.15
.5000	1/2	-	56316	-	56226	56238	56344	56266	56287	-	39.20	129.75	84.50	69.35	62.15	54.40	48.20
.5312	17/32	-	56317	-	56227	56239	56252	-	56288	-	45.75	136.15	91.05	76.05	68.50	60.90	54.70
.5625	9/16	-	56318	-	56228	56240	56345	56268	56289	56358	51.35	141.85	96.65	81.50	74.25	66.60	60.35
.5938	19/32	-	56319	-	-	56241	56338	-	56290	56359	56.50	146.85	101.65	86.55	79.00	71.45	65.30
.6250	5/8	-	56320	-	56230	56242	56346	56270	56291	56360	56.50	146.85	101.65	86.55	79.00	71.45	65.30
.6562	21/32	-	-	-	56231	56243	56254	-	56292	-	57.80	148.20	102.95	87.85	80.55	72.95	66.65
.6875	11/16	-	-	-	56321	56244	56347	56272	56293	56361	57.80	148.20	102.95	87.85	80.55	72.95	66.65
.7188	23/32	-	-	-	-	56328	56255	-	56294	56362	65.50	155.80	110.65	95.60	88.15	80.55	74.35
.7500	3/4	-	-	-	56322	56329	56256	56274	56295	56363	65.50	155.80	110.65	95.60	88.15	80.55	74.35
.7812	25/32	-	-	-	-	56330	56339	-	56349	56364	73.55	164.05	118.80	103.70	96.45	88.70	82.45
.8125	13/16	-	-	-	56323	56331	56257	56275	56296	56365	73.55	164.05	118.80	103.70	96.45	88.70	82.45
.8438	27/32	-	-	-	-	56332	-	-	-	-	81.40	171.80	126.65	111.60	103.95	96.50	90.25
.8750	7/8	-	-	-	56324	56333	56258	56276	56297	56366	81.40	171.80	126.65	111.60	103.95	96.50	90.25
.9375	15/16	-	-	-	56325	56334	56259	56277	56298	56367	85.90	176.25	131.05	116.00	108.55	100.90	94.75
1.0000	1	-	-	-	56326	56335	56260	56278	56299	56368	88.85	179.20	134.05	118.90	111.60	103.90	97.75
1.0625	1 1/16	-	-	-	-	-	56261	56279	56300	56369	92.10	182.50	137.20	122.15	114.60	107.20	100.90
1.1250	1 1/8	-	-	-	-	-	56262	56280	56301	56370	111.00	201.45	156.20	141.05	133.75	126.00	119.90
1.1875	1 1/4	-	-	-	-	-	56340	56281	56350	56371	114.45	204.70	159.50	144.50	137.10	129.45	123.25
1.2500	1 1/2	-	-	-	-	-	56341	56282	56351	56372	120.55	211.00	165.85	150.65	143.45	135.60	129.45
1.3125	1 5/8	-	-	-	-	-	-	56283	56352	56373	126.90	217.30	172.20	157.15	149.70	142.00	135.75
1.3750	1 3/4	-	-	-	-	-	56348	56284	56353	56374	138.55	229.20	183.95	168.90	161.35	153.80	147.60
1.4375	1 7/8	-	-	-	-	-	-	56285	56354	56375	140.30	230.70	185.45	170.35	163.00	155.25	149.15
1.5000	1 1/2	-	-	-	-	-	-	-	56355	56376	142.00	232.60	187.35	172.25	164.65	157.25	151.00
1.5625	1 9/16	-	-	-	-	-	-	-	56356	56377	143.70	234.40	189.20	174.10	166.55	159.00	152.75
1.6250	1 5/8	-	-	-	-	-	-	-	-	56378	145.30	235.65	190.55	175.35	167.95	160.30	154.30
1.6875	1 11/16	-	-	-	-	-	-	-	-	56379	147.30	237.55	192.40	177.25	169.90	162.15	156.10
1.7500	1 3/4	-	-	-	-	-	-	-	56357	56380	149.50	239.80	194.60	179.55	172.20	164.45	158.30
1.8750	1 7/8	-	-	-	-	-	-	-	-	56381	180.00	270.75	225.45	210.35	202.85	195.30	189.20
2.0000	2	-	-	-	-	-	-	-	-	56382	180.00	270.75	225.45	210.35	202.85	195.30	189.20

Shank diameter tolerance: +0"/-.0005"



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

COUNTERBORES - REDUCED SHANK - NON-FERROUS

CARBIDE TIPPED

List No. 9522 - Reduced Shank Counterbores - Right Hand Helix

Use: For counterbore and spotfacing in applications where machine requires a smaller shank. For use in non-ferrous materials, composites and non-metals. Polished flutes.

1/64" corner radius

For pilots see page 10

Tool diameter: +.001"/-0"

Shank diameter: +0"/-.001"



TOOL DIAMETER		MIN. CUT DIAM.	PILOT HOLE DIAM.	NO. OF FLUTES	SMALL SHANK DIAM.	OVERALL LENGTH	LIST 9522 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRAC.									1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	.125	3/32	3	1/4	2 3/8	52208	\$73.70	.2381 - .2530	\$125.30	\$99.65	\$90.90	\$86.80	\$82.45	\$78.85
.2812	9/32	.125	3/32	3	1/4	2 3/8	52209	73.80	.2531 - .2840	125.45	99.70	91.05	86.90	82.50	78.95
.3125	5/16	.125	3/32	3	1/4	2 3/8	52210	75.70	.2841 - .3150	127.40	101.45	92.85	88.60	84.30	80.80
.3438	11/32	.125	3/32	3	1/4	2 3/8	52211	77.20	.3151 - .3470	128.90	102.95	94.45	90.15	85.85	82.35
.3750	3/8	.125	3/32	3	1/4	2 3/8	52212	77.45	.3471 - .3780	129.05	103.20	94.70	90.40	85.95	82.50
.4062	13/32	.156	1/8	3	1/4	2 3/4	52213	88.05	.3781 - .4090	139.55	113.95	105.15	101.05	96.65	93.20
.4375	7/16	.156	1/8	3	1/4	2 3/4	52214	94.90	.4091 - .4410	146.50	120.65	112.20	107.80	103.60	99.95
.4688	15/32	.156	1/8	3	1/4	2 3/4	52215	96.50	.4411 - .4720	148.10	122.25	113.70	109.55	105.10	101.55
.5000	1/2	.156	1/8	3	1/4	2 3/4	52216	97.65	.4721 - .5030	149.35	123.50	114.85	110.60	106.25	102.70
.5312	17/32	.156	1/8	3	1/4	2 3/4	52217	98.20	.5031 - .5340	149.80	123.95	115.35	111.10	106.70	103.20
.5625	9/16	.156	1/8	3	1/4	2 3/4	52218	98.60	.5341 - .5660	150.20	124.45	115.80	111.55	107.25	103.65
.5938	19/32	.156	1/8	3	1/4	2 3/4	52219	99.10	.5661 - .5970	150.85	125.00	116.50	112.20	107.75	104.20
.6250	5/8	.156	1/8	3	1/4	2 3/4	52220	100.25	.5971 - .6280	151.80	126.15	117.45	113.30	108.90	105.25
.6562	23/32	.219	3/16	3	1/4	2 3/4	52221	111.35	.6281 - .6590	162.95	137.15	128.65	124.45	120.00	116.55
.6875	11/16	.219	3/16	3	1/4	2 3/4	52222	117.00	.6591 - .6910	168.60	142.85	134.20	130.00	125.50	122.05
.7188	25/32	.219	3/16	3	1/4	2 3/4	52223	120.95	.6911 - .7220	172.40	146.80	138.10	133.95	129.50	126.10
.7500	3/4	.219	3/16	3	1/4	2 3/4	52224	122.50	.7221 - .7530	174.00	148.30	139.55	135.45	131.05	127.55
.7812	25/32	.219	3/16	3	1/4	2 3/4	52225	122.90	.7531 - .7840	174.60	148.75	140.20	135.85	131.55	128.00
.8125	13/16	.219	3/16	3	1/4	2 3/4	52226	124.00	.7841 - .8160	175.80	149.85	141.25	137.00	132.70	129.10
.8438	27/32	.219	3/16	3	1/4	2 3/4	52227	124.95	.8161 - .8470	176.55	150.55	142.00	137.80	133.50	130.00
.8750	7/8	.219	3/16	3	1/4	2 3/4	52228	126.15	.8471 - .8780	177.65	151.80	143.35	139.05	134.65	131.15
.9062	29/32	.219	3/16	3	1/4	2 3/4	52229	126.90	.8781 - .9090	178.60	152.80	144.25	139.95	135.55	132.05
.9375	15/16	.219	3/16	3	1/4	2 3/4	52230	128.10	.9091 - .9410	179.80	154.00	145.40	141.15	136.90	133.15
.9688	31/32	.219	3/16	3	1/4	2 3/4	52231	129.05	.9411 - .9720	180.60	154.80	146.35	141.95	137.65	134.10
1.0000	1	.219	3/16	3	1/4	2 3/4	52232	129.45	.9721 - 1.0030	181.10	155.25	146.55	142.40	137.95	134.45
1.0625	1 1/16	.219	3/16	3	3/8	2 3/4	52234	165.25	1.0031 - 1.0660	216.75	190.90	182.50	178.10	173.70	170.20
1.1250	1 1/8	.219	3/16	3	3/8	2 3/4	52236	176.25	1.0661 - 1.1280	227.80	202.05	193.55	189.25	184.85	181.30
1.1875	1 1/4	.219	3/16	3	3/8	2 3/4	52238	178.55	1.1281 - 1.1905	230.10	204.35	195.75	191.50	187.15	183.60
1.2500	1 1/4	.281	1/4	3	3/8	2 3/4	52240	181.80	1.1906 - 1.2530	233.60	207.65	198.95	194.80	190.60	186.95
1.3125	1 5/16	.281	1/4	3	3/8	2 3/4	52242	185.20	1.2531 - 1.3155	236.75	210.95	202.45	198.20	193.70	190.20
1.3750	1 3/8	.281	1/4	3	3/8	2 3/4	52244	187.30	1.3156 - 1.3780	239.05	213.35	204.65	200.35	196.05	192.40
1.4375	1 7/16	.281	1/4	3	3/8	2 3/4	52246	189.55	1.3781 - 1.4405	241.30	215.40	206.90	202.60	198.25	194.70
1.5000	1 1/2	.281	1/4	3	3/8	2 3/4	52248	199.60	1.4406 - 1.5030	253.05	226.35	217.40	213.05	208.45	204.85
1.5625	1 5/8	.343	5/16	3	1/2	3 1/16	52250	222.00	1.5031 - 1.5660	275.50	248.85	239.90	235.55	231.05	227.45
1.6250	1 5/8	.343	5/16	3	1/2	3 1/16	52252	224.90	1.5661 - 1.6280	278.50	251.75	242.95	238.50	233.90	230.15
1.6875	1 11/16	.343	5/16	3	1/2	3 1/16	52254	227.85	1.6281 - 1.6910	281.45	254.75	245.85	241.45	236.95	233.25
1.7500	1 3/4	.343	5/16	3	1/2	3 1/16	52256	231.45	1.6911 - 1.7530	284.95	258.10	249.20	244.80	240.35	236.70
1.8125	1 13/16	.343	5/16	3	1/2	3 1/16	52258	234.20	1.7531 - 1.8160	287.20	260.50	251.60	247.20	242.55	238.95
1.8750	1 7/8	.343	5/16	3	1/2	3 1/16	52260	235.85	1.8161 - 1.8780	289.45	262.65	253.65	249.40	244.80	241.10
1.9375	1 15/16	.343	5/16	3	1/2	3 1/16	52262	260.30	1.8781 - 1.9410	313.85	287.00	278.10	273.70	269.15	265.55
2.0000	2	.343	5/16	3	1/2	3 1/16	52264	323.85	1.9411 - 2.0030	377.60	350.85	341.90	337.50	332.90	329.15

*Quantities of 15 or more; price of fractional size in same size range.

Carbide tipped counterbores offer excellent cost-per-hole benefits and provide greatly extended tool life over high speed steel tools. Counterboring is a continuous cut operation and therefore the application of certain coatings and use of coolant greatly enhances the performance. Tool diameter tolerance: +.001"/-0".

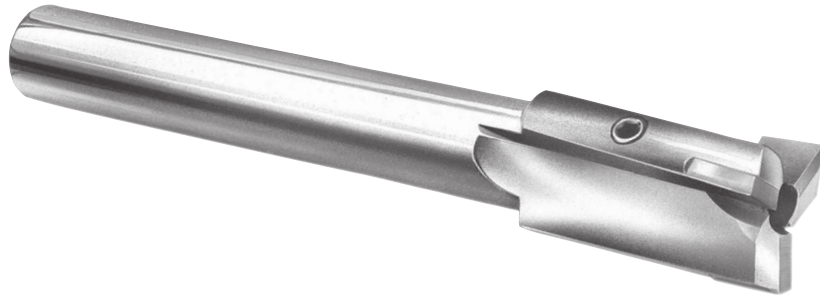
Counterbore Modifications Available	
Intermediate cutting diameter	Reduced diameter for step cutting
Closer tolerance (<.001")	Drive flats or tangs
Corner radius for improved finish	Reduced shank diameters or morse taper sizes
End chamfer	Shortened shanks
Other modifications available. Call, fax, or email your requests.	

COUNTERBORES - NON-FERROUS/CAST IRON

CARBIDE TIPPED

List No. 5779 - Straight Shank - Three/Four Flute - For Non-Ferrous

Use: Designed with right hand helix, proper grade carbide and cutting edge clearance for heavier feeds.
Hardened alloy steel bodies with brazed on carbide tips.



For pilots see page 10.

Tool diameter tolerance: +.001"/-0"

Shank diameter tolerance: +0"/-.0005"

TOOL DIAMETER		MIN. CUT DIAM.	PILOT HOLE DIAM.	SHANK DIAM.	OAL	LIST 5779				PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.					NO. OF FLTS.	EDP NO.	NO. OF FLTS.	EDP NO.			1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	.114	3/32	15/64	3 13/16	-	-	3	56401	\$91.40	.2381 - .2530	\$142.95	\$117.20	\$108.60	\$104.30	\$99.90	\$96.35
.2812	9/32	.114	3/32	17/64	3 13/16	-	-	3	5792812	111.70	.2531 - .2840	163.15	137.55	128.90	124.65	120.35	116.75
.3125	5/16	.114	3/32	19/64	3 13/16	-	-	3	56402	95.30	.2841 - .3150	143.65	119.55	111.55	107.45	103.40	100.05
.3438	11/32	.114	3/32	5/16	3 13/16	-	-	3	5793438	120.65	.3151 - .3470	169.00	144.75	136.70	132.75	128.65	125.20
.3750	3/8	.182	5/32	5/16	4 1/16	-	-	3	56403	101.05	.3471 - .3780	145.75	123.40	115.95	112.30	108.50	105.50
.4062	13/32	.182	5/32	3/8	4 1/16	-	-	3	5794062	113.95	.3781 - .4090	158.60	136.35	128.85	125.15	121.40	118.35
.4375	7/16	.182	5/32	3/8	4 1/16	-	-	3	56404	103.70	.4091 - .4410	148.35	126.00	118.55	115.05	111.10	108.10
.4688	15/32	.228	3/16	7/16	4 1/16	-	-	3	5794688	126.60	.4411 - .4720	171.25	148.85	141.60	137.90	133.95	130.95
.5000	1/2	.228	3/16	7/16	4 1/16	4	56405	3	59805	115.15	.4721 - .5030	159.70	137.30	130.05	126.25	122.55	119.50
.5312	17/32	.228	3/16	1/2	4 1/16	4	5775312	3	5795312	130.25	.5031 - .5340	174.95	152.70	145.20	141.60	137.70	134.65
.5625	9/16	.228	3/16	1/2	4 1/16	4	56406	3	59806	118.50	.5341 - .5660	163.15	140.75	133.35	129.60	125.90	122.75
.5938	19/32	.228	3/16	1/2	5 1/8	4	5775938	3	5795938	131.65	.5661 - .5970	176.25	153.95	146.55	142.85	139.00	136.00
.6250	5/8	.228	3/16	1/2	5 1/8	4	56407	3	59807	119.70	.5971 - .6280	164.25	141.85	134.45	130.85	127.00	124.00
.6562	21/32	.228	3/16	1/2	5 1/8	4	5776562	3	5796562	139.30	.6281 - .6590	183.90	161.70	154.20	150.50	146.80	143.65
.6875	11/16	.228	3/16	1/2	5 1/8	4	56408	3	59808	126.70	.6591 - .6910	171.35	149.05	141.65	137.95	134.25	131.00
.7188	23/32	.290	1/4	1/2	5 3/8	4	5777188	3	5797188	142.60	.6911 - .7220	187.15	164.90	157.45	153.90	150.00	147.00
.7500	3/4	.290	1/4	1/2	5 3/8	4	56409	3	59809	129.55	.7221 - .7530	174.25	151.95	144.45	140.75	137.05	133.85
.7812	25/32	.290	1/4	5/8	5 3/8	4	5777812	3	5797812	145.70	.7531 - .7840	190.20	167.85	160.55	156.80	152.95	149.95
.8125	13/16	.290	1/4	5/8	5 3/8	4	56410	3	59810	132.30	.7841 - .8160	176.90	154.55	147.15	143.40	139.80	136.70
.8438	27/32	.290	1/4	3/4	5 3/8	4	5778438	3	5798438	154.25	.8161 - .8470	198.90	176.50	169.20	165.45	161.75	158.60
.8750	7/8	.290	1/4	3/4	5 3/8	4	56411	3	59811	140.25	.8471 - .8780	184.90	162.60	155.20	151.45	147.70	144.60
.9062	29/32	.290	1/4	3/4	6 1/8	4	5779062	3	5799062	157.35	.8781 - .9090	202.05	179.70	172.25	168.65	164.85	161.80
.9375	15/16	.290	1/4	3/4	6 1/8	4	56412	3	59812	143.15	.9091 - .9410	187.85	165.45	158.05	154.35	150.55	147.50
.9688	31/32	.353	5/16	3/4	6 3/8	4	5779688	3	5799688	161.95	.9411 - .9720	206.50	184.20	176.80	173.10	169.40	166.35
1.0000	1	.353	5/16	3/4	6 3/8	4	56413	3	59813	147.20	.9721 - 1.0030	191.95	169.50	162.05	158.40	154.65	151.55
1.0625	1 1/16	.353	5/16	3/4	6 3/8	4	56414	3	59814	148.75	1.0031 - 1.0660	193.50	171.05	163.60	160.10	156.20	153.15
1.1250	1 1/8	.353	5/16	1	6 3/8	4	56415	3	59815	152.70	1.0661 - 1.1280	197.20	174.95	167.60	163.75	160.10	156.95
1.1875	1 3/16	.353	5/16	1	6 3/8	4	56416	3	59816	159.40	1.1281 - 1.1905	203.95	181.75	174.30	170.60	166.80	163.75
1.2500	1 1/4	.426	3/8	1	6 5/8	-	-	4	56417	177.50	1.1906 - 1.2530	225.85	201.75	193.65	189.70	185.50	182.35
1.3125	1 5/16	.426	3/8	1	6 5/8	-	-	4	56418	191.55	1.2531 - 1.3155	240.10	215.90	207.70	203.80	199.65	196.40
1.3750	1 3/8	.426	3/8	1	6 5/8	-	-	4	56419	201.65	1.3156 - 1.3780	249.95	225.70	217.60	213.60	209.65	206.25
1.4375	1 7/16	.426	3/8	1 1/4	7 7/8	-	-	4	56420	220.95	1.3781 - 1.4405	273.50	247.20	238.45	234.05	229.75	226.05
1.5000	1 1/2	.426	3/8	1 1/4	7 7/8	-	-	4	56421	255.45	1.4406 - 1.5030	310.00	282.60	273.60	269.20	264.55	260.75
1.5625	1 5/8	.489	7/16	1 1/4	8 1/8	-	-	4	56422	262.95	1.5031 - 1.5660	317.60	290.25	281.10	276.60	272.05	268.35
1.6250	1 3/4	.489	7/16	1 1/4	8 1/8	-	-	4	56423	268.45	1.5661 - 1.6280	323.10	295.75	286.80	282.25	277.65	273.90
1.6875	1 11/16	.489	7/16	1 1/4	8 1/8	-	-	4	56429	321.25	1.6281 - 1.6910	380.05	350.65	340.80	335.90	331.00	326.90
1.7500	1 3/4	.489	7/16	1 1/4	8 1/8	-	-	4	56424	321.25	1.6911 - 1.7530	380.05	350.65	340.80	335.90	331.00	326.90
1.8125	1 13/16	.489	7/16	1 1/2	8 1/8	-	-	4	56425	380.25	1.7531 - 1.8160	439.15	409.75	399.95	395.15	390.00	386.05
1.8750	1 7/8	.489	7/16	1 1/2	8 1/8	-	-	4	56426	380.25	1.8161 - 1.8780	439.15	409.75	399.95	395.15	390.00	386.05
1.9375	1 15/16	.489	7/16	1 1/2	8 1/8	-	-	4	56427	415.55	1.8781 - 1.9410	474.55	445.10	435.25	430.30	425.40	421.35
2.0000	2	.551	1/2	1 1/2	8 3/8	-	-	4	56428	415.55	1.9411 - 2.0030	474.55	445.10	435.25	430.30	425.40	421.35

*Quantities of 15 or more: price of fractional size in same size range.



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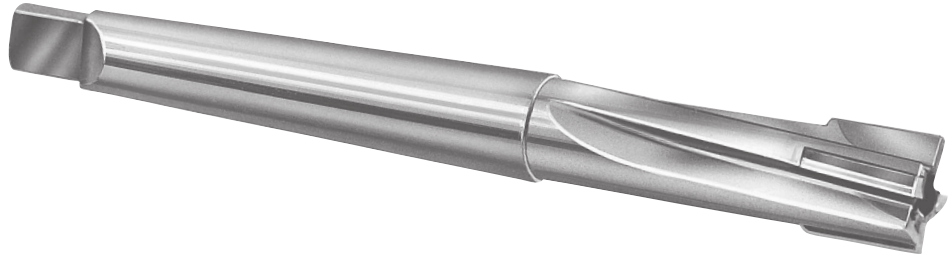
Specials & modifications see page 11.

COUNTERBORES - NON-FERROUS/CAST IRON

CARBIDE TIPPED

List No. 5780 - Tapered Shank - Three/Four Flute - For Non-Ferrous

Use: Designed with right hand helix, proper grade carbide and cutting edge clearance for heavier feeds.
Hardened alloy steel bodies with brazed on carbide tips.



For pilots see page 10.

Tool diameter tolerance: +.001"/-0"

TOOL DIAMETER		MIN. CUT DIAM.	PILOT HOLE DIAM.	MORSE TAPER	OAL	LIST 5780				PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.					NO. OF FLTS.	EDP NO.	NO. OF FLTS.	EDP NO.			1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	.114	3/32	1	3 13/16	-	-	3	56451	\$110.85	.2381 - .2530	\$164.35	\$137.65	\$128.70	\$124.30	\$119.80	\$116.10
.2812	9/32	.114	3/32	1	3 13/16	-	-	3	5982812	133.50	.2531 - .2840	186.80	160.00	151.10	146.80	142.40	138.50
.3125	5/16	.114	3/32	1	3 13/16	-	-	3	56452	113.95	.2841 - .3150	164.15	139.00	130.75	126.60	122.25	118.85
.3438	11/32	.114	3/32	1	3 13/16	-	-	3	5983438	140.45	.3151 - .3470	190.65	165.45	157.00	152.95	148.70	145.30
.3750	3/8	.182	5/32	1	4 1/16	-	-	3	56453	117.65	.3471 - .3780	163.80	140.75	133.00	129.25	125.40	122.20
.4062	13/32	.182	5/32	1	4 1/16	-	-	3	5984062	132.90	.3781 - .4090	179.15	156.00	148.35	144.45	140.60	137.40
.4375	7/16	.182	5/32	1	4 1/16	-	-	3	56454	120.80	.4091 - .4410	167.00	143.95	136.15	132.45	128.55	125.40
.4688	15/32	.228	5/16	1	4 1/16	-	-	3	5984688	146.70	.4411 - .4720	192.95	169.80	162.05	158.30	154.45	151.25
.5000	1/2	.228	5/16	1	4 5/16	4	56455	3	59855	133.35	.4721 - .5030	179.75	156.55	148.70	145.10	141.05	137.90
.5312	17/32	.228	5/16	1	4 5/16	4	5645312	3	5985312	149.35	.5031 - .5340	195.60	172.45	164.75	160.95	157.00	153.90
.5625	9/16	.228	5/16	1	4 5/16	4	56456	3	59856	135.85	.5341 - .5660	182.10	158.95	151.35	147.40	143.60	140.45
.5938	19/32	.228	5/16	2	5 1/8	4	5645938	3	5985938	153.45	.5661 - .5970	199.80	176.60	168.95	165.05	161.25	158.00
.6250	5/8	.228	5/16	2	5 1/8	4	56457	3	59857	139.50	.5971 - .6280	185.65	162.65	154.90	151.20	147.10	144.00
.6562	21/32	.228	5/16	2	5 1/8	4	5646562	3	5986562	162.00	.6281 - .6590	208.30	185.20	177.40	173.70	169.70	166.55
.6875	11/16	.228	5/16	2	5 1/8	4	56458	3	59858	147.10	.6591 - .6910	193.55	170.25	162.65	158.80	154.90	151.70
.7188	23/32	.290	3/4	2	5 3/8	4	5647188	3	5987188	164.70	.6911 - .7220	210.95	187.85	180.15	176.40	172.40	169.30
.7500	3/4	.290	3/4	2	5 3/8	4	56459	3	59859	149.75	.7221 - .7530	195.90	172.85	165.05	161.35	157.35	154.05
.7812	25/32	.290	3/4	2	5 3/8	4	5647812	3	5987812	167.55	.7531 - .7840	213.70	190.65	182.80	179.05	175.15	172.00
.8125	13/16	.290	3/4	2	5 3/8	4	56460	3	59860	152.25	.7841 - .8160	198.50	175.40	167.75	163.80	160.00	156.80
.8438	27/32	.290	3/4	2	5 3/8	4	5648438	3	5988438	176.00	.8161 - .8470	222.40	199.30	191.55	187.80	183.90	180.70
.8750	7/8	.290	3/4	2	5 3/8	4	56461	3	59861	160.10	.8471 - .8780	206.35	183.20	175.60	171.65	167.80	164.60
.9062	29/32	.290	3/4	3	6 1/8	4	5649062	3	5989062	180.90	.8781 - .9090	227.10	203.95	196.40	192.40	188.60	185.45
.9375	15/16	.290	3/4	3	6 1/8	4	56462	3	59862	164.40	.9091 - .9410	210.70	187.55	179.85	175.95	172.25	169.00
.9688	31/32	.353	5/16	3	6 3/8	4	5649688	3	5989688	185.10	.9411 - .9720	231.30	208.25	200.50	196.70	192.70	189.50
1.0000	1	.353	5/16	3	6 3/8	4	56463	3	59863	174.60	.9721 - 1.0030	222.65	198.65	190.65	186.75	182.55	179.30
1.0625	1 1/16	.353	5/16	3	6 3/8	4	56464	3	59864	176.90	1.0031 - 1.0660	224.80	200.90	192.90	188.95	184.80	181.55
1.1250	1 1/8	.353	5/16	3	6 3/8	4	56465	3	59865	182.50	1.0661 - 1.1280	230.55	206.65	198.40	194.55	190.50	187.20
1.1875	1 3/16	.353	5/16	3	6 3/8	4	56466	3	59866	188.65	1.1281 - 1.1905	236.85	212.75	204.65	200.80	196.70	193.45
1.2500	1 1/4	.426	3/8	3	6 5/8	-	-	4	56467	209.80	1.1906 - 1.2530	261.80	235.80	227.10	222.90	218.50	214.85
1.3125	1 5/16	.426	3/8	3	6 5/8	-	-	4	56468	224.80	1.2531 - 1.3155	277.10	250.80	242.25	237.90	233.60	229.95
1.3750	1 3/8	.426	3/8	3	6 5/8	-	-	4	56469	235.65	1.3156 - 1.3780	287.65	261.65	252.95	248.60	244.40	240.70
1.4375	1 7/16	.426	3/8	4	7 7/8	-	-	4	56470	262.15	1.3781 - 1.4405	318.75	290.45	280.85	276.25	271.50	267.60
1.5000	1 1/2	.426	3/8	4	7 7/8	-	-	4	56471	290.55	1.4406 - 1.5030	347.20	318.95	309.50	304.80	300.10	296.20
1.5625	1 5/8	.489	7/16	4	8 1/8	-	-	4	56472	312.20	1.5031 - 1.5660	371.55	341.95	332.10	327.15	322.20	318.15
1.6250	1 5/8	.489	7/16	4	8 1/8	-	-	4	56473	317.80	1.5661 - 1.6280	377.05	347.55	337.65	332.70	327.70	323.75
1.6875	1 11/16	.489	7/16	4	8 1/8	-	-	4	56479	380.25	1.6281 - 1.6910	444.35	412.40	401.75	396.45	390.95	386.60
1.7500	1 3/4	.489	7/16	4	8 1/8	-	-	4	56474	380.25	1.6911 - 1.7530	444.35	412.40	401.75	396.45	390.95	386.60
1.8125	1 13/16	.489	7/16	4	8 1/8	-	-	4	56475	450.10	1.7531 - 1.8160	514.10	482.15	471.45	466.15	460.70	456.25
1.8750	1 7/8	.489	7/16	4	8 1/8	-	-	4	56476	450.10	1.8161 - 1.8780	514.10	482.15	471.45	466.15	460.70	456.25
1.9375	1 15/16	.489	7/16	4	8 1/8	-	-	4	56477	491.75	1.8781 - 1.9410	555.90	523.85	513.05	507.85	502.50	498.05
2.0000	2	.551	1/2	4	8 3/8	-	-	4	56478	491.75	1.9411 - 2.0030	555.90	523.85	513.05	507.85	502.50	498.05

*Quantities of 15 or more; price of fractional size in same size range.

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13

Specials & modifications see page 11.

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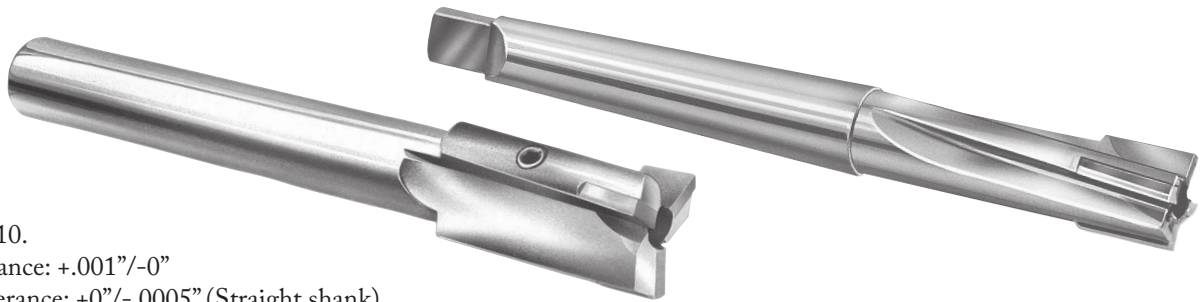
COUNTERBORES - STEEL

CARBIDE TIPPED

List No. 5778 - Straight Shank - Three/Four Flute - For Steel

List No. 5781 - Tapered Shank - Three/Four Flute - For Steel

Use: Designed with right hand helix, proper grade carbide and cutting edge clearance for heavier feeds. Hardened alloy steel bodies with brazed on carbide tips.



For pilots see page 10.

Tool diameter tolerance: +.001"/-0"

Shank diameter tolerance: +0"/-.0005" (Straight shank)

TOOL DIAMETER		MIN. CUT DIAM.	PILOT HOLE DIAM.	NO. OF FLTS.	OAL	STRAIGHT SHANK LIST 5778		TAPER SHANK LIST 5781		BOTH LIST PRICE	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.					SHANK DIAM.	EDP NO.	MORSE TAPER	EDP NO.			1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	.114	3/32	3	3 13/16	1 5/64	59701	1	47401	\$110.85	.2381 - .2530	\$164.35	\$137.65	\$128.70	\$124.30	\$119.80	\$116.10
.2812	9/32	.114	3/32	3	3 13/16	1 5/64	5972812	1	4742812	133.50	.2531 - .2840	186.80	160.00	151.10	146.80	142.40	138.50
.3125	5/16	.114	3/32	3	3 13/16	1 5/64	59702	1	47402	113.95	.2841 - .3150	164.15	139.00	130.75	126.60	122.25	118.85
.3438	11/32	.114	3/32	3	3 13/16	5/16	5973438	1	4743438	140.45	.3151 - .3470	190.65	165.45	157.00	152.95	148.70	145.30
.3750	3/8	.182	5/32	3	4 1/16	5/16	59703	1	47403	117.65	.3471 - .3780	163.80	140.75	133.00	129.25	125.40	122.20
.4062	13/32	.182	5/32	3	4 1/16	3/8	5974062	1	4744062	132.90	.3781 - .4090	179.15	156.00	148.35	144.45	140.60	137.40
.4375	7/16	.182	5/32	3	4 1/16	3/8	59704	1	47404	120.80	.4091 - .4410	167.00	143.95	136.15	132.45	128.55	125.40
.4688	15/32	.228	3/16	3	4 5/16	7/16	5974688	1	4744688	146.70	.4411 - .4720	192.95	169.80	162.05	158.30	154.45	151.25
.5000	1/2	.228	3/16	3	4 5/16	7/16	59705	1	47405	133.35	.4721 - .5030	179.75	156.55	148.70	145.10	141.05	137.90
.5312	17/32	.228	3/16	3	4 5/16	1/2	5975312	1	4745312	144.00	.5031 - .5340	188.55	166.30	158.85	155.20	151.40	148.35
.5625	9/16	.228	3/16	3	4 5/16	1/2	59707	1	47407	130.90	.5341 - .5660	175.60	153.15	145.80	141.95	138.35	135.25
.5938	19/32	.228	3/16	3	5 1/8	1/2	5975938	2	4745938	147.90	.5661 - .5970	192.45	170.20	162.75	159.05	155.40	152.20
.6250	5/8	.228	3/16	3	5 1/8	1/2	59709	2	47409	134.40	.5971 - .6280	179.05	156.75	149.30	145.70	141.80	138.80
.6562	21/32	.228	3/16	3	5 1/8	1/2	5976562	2	4746562	156.10	.6281 - .6590	200.70	178.40	170.95	167.25	163.50	160.55
.6875	11/16	.228	3/16	3	5 1/8	1/2	59711	2	47411	141.80	.6591 - .6910	186.50	164.15	156.75	152.95	149.30	146.15
.7188	23/32	.290	1/4	3	5 3/8	1/2	5977188	2	4747188	158.70	.6911 - .7220	203.35	181.05	173.65	169.95	166.20	163.15
.7500	3/4	.290	1/4	3	5 3/8	1/2	59713	2	47413	144.25	.7221 - .7530	188.80	166.45	159.05	155.45	151.55	148.55
.7812	25/32	.290	1/4	3	5 3/8	5/8	5977812	2	4747812	161.40	.7531 - .7840	205.95	183.75	176.25	172.45	168.80	165.75
.8125	13/16	.290	1/4	3	5 3/8	3/4	59715	2	47415	146.80	.7841 - .8160	191.35	169.05	161.70	157.95	154.20	151.10
.8438	27/32	.290	1/4	3	5 3/8	3/4	5978438	2	4748438	169.65	.8161 - .8470	214.40	192.05	184.60	180.90	177.25	174.10
.8750	7/8	.290	1/4	3	5 3/8	3/4	59717	2	47417	154.25	.8471 - .8780	198.90	176.50	169.20	165.45	161.75	158.60
.9062	29/32	.290	1/4	3	6 1/8	3/4	5979062	3	4749062	174.30	.8781 - .9090	218.85	196.55	189.20	185.45	181.75	178.70
.9375	15/16	.290	1/4	3	6 1/8	3/4	59719	3	47419	158.40	.9091 - .9410	203.00	180.70	173.25	169.55	165.90	162.85
.9688	31/32	.353	5/16	3	6 3/8	3/4	5979688	3	4749688	178.30	.9411 - .9720	222.90	200.60	193.15	189.50	185.60	182.65
1.0000	1	.353	5/16	3	6 3/8	3/4	59721	3	47421	168.25	.9721 - 1.0030	214.60	191.45	183.75	179.90	175.85	172.85
1.0625	1 1/16	.353	5/16	3	6 3/8	3/4	59723	3	47423	170.50	1.0031 - 1.0660	216.65	193.55	185.80	182.00	178.10	175.00
1.1250	1 1/8	.353	5/16	3	6 3/8	1	59725	3	47425	175.80	1.0661 - 1.1280	222.20	199.05	191.30	187.45	183.50	180.40
1.1875	1 1/4	.353	5/16	3	6 3/8	1	59727	3	47427	181.80	1.1281 - 1.1905	228.25	205.05	197.25	193.50	189.50	186.40
1.2500	1 1/2	.426	3/8	4	6 3/8	1	59729	3	47429	202.20	1.1906 - 1.2530	252.30	227.15	218.85	214.80	210.50	207.05
1.3125	1 5/8	.426	3/8	4	6 3/8	1	59730	3	47430	216.65	1.2531 - 1.3155	266.95	241.80	233.50	229.25	225.15	221.65
1.3750	1 3/4	.426	3/8	4	6 3/8	1	59731	3	47431	227.05	1.3156 - 1.3780	277.20	252.10	243.80	239.65	235.35	231.90
1.4375	1 7/8	.426	3/8	4	7 7/8	1 1/4	59732	4	47432	252.50	1.3781 - 1.4405	307.20	279.95	270.70	266.30	261.65	257.85
1.5000	1 1/2	.426	3/8	4	7 7/8	1 1/4	59733	4	47433	290.55	1.4406 - 1.5030	347.20	318.95	309.50	304.80	300.10	296.20
1.5625	1 5/8	.489	7/16	4	8 7/8	1 1/4	59734	4	47434	312.20	1.5031 - 1.5660	371.55	341.95	332.10	327.15	322.20	318.15
1.6250	1 3/4	.489	7/16	4	8 7/8	1 1/4	59735	4	47435	317.80	1.5661 - 1.6280	377.05	347.55	337.65	332.70	327.70	323.75
1.6875	1 15/16	.489	7/16	4	8 7/8	1 1/4	59738	4	47438	380.25	1.6281 - 1.6910	444.35	412.40	401.75	396.45	390.95	386.60
1.7500	1 3/4	.489	7/16	4	8 7/8	1 1/4	59736	4	47436	380.25	1.6911 - 1.7530	444.35	412.40	401.75	396.45	390.95	386.60
1.8125	1 13/16	.489	7/16	4	8 7/8	1 1/2	59739	4	47439	450.10	1.7531 - 1.8160	514.10	482.15	471.45	466.15	460.70	456.25
1.8750	1 7/8	.489	7/16	4	8 7/8	1 1/2	59740	4	47440	450.10	1.8161 - 1.8780	514.10	482.15	471.45	466.15	460.70	456.25
1.9375	1 15/16	.489	7/16	4	8 7/8	1 1/2	59741	4	47441	491.75	1.8781 - 1.9410	555.90	523.85	513.05	507.85	502.50	498.05
2.0000	2	.551	1/2	4	8 7/8	1 1/2	59737	4	47437	491.75	1.9411 - 2.0030	555.90	523.85	513.05	507.85	502.50	498.05

*Quantities of 15 or more: price of fractional size in same size range.



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CAPSCREW COUNTERBORES

CARBIDE TIPPED

List No. 9513 - Straight Shank - For Non-Ferrous & Cast Iron

List No. 9515 - Straight Shank - For Steel

Use: Capscrew Counterbores are designed with the appropriate carbide grade and geometry for material being machined. Pilot is a built-in part of the tool's steel body construction. Pilot is manufactured in nominal as well as $\frac{1}{64}$ and $\frac{1}{32}$ over-size diameters. Carbide tips brazed on to hardened steel bodies. Smooth right spiral flutes.



Integral Pilot type.

Tool diameter tolerance: $+.001/-0$ "

Shank diameter tolerance: $+0/-0.0005$ "

TOOL DIAMETER		PILOT DIAM.	PILOT LENGTH	SHANK DIAM.	OVERALL LENGTH	LIST 9513 - NON-FERR / C.I.		PRICE EACH	LIST 9515 - STEEL		PRICE EACH
DECIMAL	SCREW SIZE					NO. OF FLTS.	EDP NO.		NO. OF FLTS.	EDP NO.	
.3820	$\frac{1}{4}$	.2500	.3125	$\frac{5}{16}$	5 $\frac{5}{8}$	3	95132500	\$106.25	3	95152500	\$116.85
.3980	$\frac{1}{4}$	.2650	.3125	$\frac{5}{16}$	5 $\frac{5}{8}$	3	95132650	118.05	3	95152650	129.90
.4140	$\frac{1}{4}$	.2810	.3125	$\frac{5}{16}$	5 $\frac{5}{8}$	3	95132810	118.05	3	95152810	129.90
.4750	$\frac{5}{16}$	.3125	.3750	$\frac{3}{8}$	6 $\frac{1}{8}$	3	95133125	118.80	3	95153125	130.80
.4910	$\frac{5}{16}$	.3280	.3750	$\frac{3}{8}$	6 $\frac{1}{8}$	3	95133280	118.80	3	95153280	130.80
.5070	$\frac{5}{16}$	.3430	.3750	$\frac{3}{8}$	6 $\frac{1}{8}$	3	95133430	118.80	3	95153430	130.80
.5720	$\frac{3}{8}$	.3750	.5000	$\frac{1}{2}$	6 $\frac{1}{2}$	3	95133750	133.95	3	95153750	147.40
.5880	$\frac{3}{8}$	.3900	.5000	$\frac{1}{2}$	6 $\frac{1}{2}$	3	95133900	133.95	3	95153900	147.40
.6040	$\frac{3}{8}$	.4060	.5000	$\frac{1}{2}$	6 $\frac{1}{2}$	3	95134060	133.95	3	95154060	147.40
.6630	$\frac{7}{16}$	.4375	.5000	$\frac{1}{2}$	7	3	95134375	129.45	3	95154375	142.40
.6790	$\frac{7}{16}$	.4530	.5000	$\frac{1}{2}$	7	3	95134530	129.45	3	95154530	142.40
.6950	$\frac{7}{16}$	.4680	.5000	$\frac{1}{2}$	7	3	95134680	129.45	3	95154680	142.40
.7570	$\frac{1}{2}$	.5000	.5000	$\frac{1}{2}$	7 $\frac{1}{2}$	3	95135000	146.80	3	95155000	161.55
.7730	$\frac{1}{2}$	.5150	.5000	$\frac{1}{2}$	7 $\frac{1}{2}$	3	95135150	146.80	3	95155150	161.55
.7890	$\frac{1}{2}$	.5310	.5000	$\frac{1}{2}$	7 $\frac{1}{2}$	3	95135310	146.80	3	95155310	161.55
.8510	$\frac{9}{16}$	.5625	.5625	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95135625	141.85	3	95155625	156.10
.8670	$\frac{9}{16}$	.5780	.5625	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95135780	141.85	3	95155780	156.10
.8830	$\frac{9}{16}$	.5930	.5625	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95135930	141.85	3	95155930	156.10
.9450	$\frac{5}{8}$	.6250	.6250	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95136250	161.75	3	95156250	177.95
.9610	$\frac{5}{8}$	.6400	.6250	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95136400	161.75	3	95156400	177.95
.9770	$\frac{5}{8}$	.6560	.6250	$\frac{5}{8}$	7 $\frac{5}{8}$	3	95136560	161.75	3	95156560	177.95
1.1330	$\frac{3}{4}$	.7500	.7500	$\frac{3}{4}$	7 $\frac{3}{4}$	3	95137500	159.45	3	95157500	175.35
1.1490	$\frac{3}{4}$	.7650	.7500	$\frac{3}{4}$	7 $\frac{3}{4}$	3	95137650	159.45	3	95157650	175.35
1.1650	$\frac{3}{4}$	.7810	.7500	$\frac{3}{4}$	7 $\frac{3}{4}$	3	95137810	159.45	3	95157810	175.35
1.3220	$\frac{7}{8}$	.8750	.8750	$\frac{7}{8}$	8 $\frac{1}{8}$	4	95138750	177.25	4	95158750	195.05
1.3380	$\frac{7}{8}$	.8910	.8750	$\frac{7}{8}$	8 $\frac{1}{8}$	4	95138910	177.25	4	95158910	195.05
1.3540	$\frac{7}{8}$	.9060	.8750	$\frac{7}{8}$	8 $\frac{1}{8}$	4	95139060	177.25	4	95159060	195.05
1.5100	1	1.0000	1.0000	1	8 $\frac{1}{2}$	4	95130000	202.95	4	95150000	223.25
1.5260	1	1.0150	1.0000	1	8 $\frac{1}{2}$	4	95130156	202.95	4	95150156	223.25
1.5420	1	1.0310	1.0000	1	8 $\frac{1}{2}$	4	95130313	202.95	4	95150313	223.25

List No. 9513 - Straight Shank - For Non-Ferrous & Cast Iron - Metric

List No. 9515 - Straight Shank - For Steel - Metric

METRIC

Same as above except metric sizes.

TOOL DIAMETER		PILOT DIAM. (MM)	PILOT LENGTH	SHANK DIAM.	OVERALL LENGTH	LIST 9513 - NON-FERR / C.I.		PRICE EACH	LIST 9515 - STEEL		PRICE EACH
DECIMAL	SCREW SIZE (MM)					NO. OF FLTS.	EDP NO.		NO. OF FLTS.	EDP NO.	
.3543	5	5.5	$\frac{5}{32}$	$\frac{5}{16}$	5 $\frac{5}{8}$	3	9513055	\$117.70	3	9515055	\$129.45
.4134	6	6.5	$\frac{5}{16}$	$\frac{5}{16}$	5 $\frac{5}{8}$	3	9513065	124.25	3	9515065	136.70
.5315	8	8.5	$\frac{3}{8}$	$\frac{1}{2}$	6 $\frac{1}{2}$	3	9513085	147.60	3	9515085	162.30
.6496	10	10.5	$\frac{1}{2}$	$\frac{1}{2}$	7	3	9513105	160.55	3	9515105	176.55
.7283	12	12.5	$\frac{1}{2}$	$\frac{1}{2}$	7 $\frac{1}{2}$	3	9513125	150.60	3	9515125	165.55
.8465	14	14.5	$\frac{5}{16}$	$\frac{3}{8}$	7 $\frac{5}{8}$	3	9513145	175.65	3	9515145	193.05
.9646	16	16.5	$\frac{5}{8}$	$\frac{5}{8}$	7 $\frac{5}{8}$	3	9513165	183.45	3	9515165	201.80
1.2008	20	20.5	$\frac{3}{4}$	$\frac{7}{8}$	8	3	9513205	170.15	3	9515205	187.15

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END MILLS - CENTER CUTTING

CARBIDE TIPPED

List No. 5966 - 2 Flutes - 25° Right Hand Helix - For Non-Ferrous & Cast Iron

Use: For high speed, heavy feed, plunge-profile end milling operations in aluminum, magnesium alloys and other non-ferrous metals. Radial edged.

TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	FLUTE LENGTH	OVERALL LENGTH	LIST 5966 - 25° SPIRAL	
DEC.	FRAC.					EDP NO.	PRICE EACH
.5000	1/2	1/2	2	1	3	57751	\$216.50
.6250	5/8	5/8	2	1 1/4	3 3/8	57752	241.95
.7500	3/4	3/4	2	1 1/4	3 3/8	57753	256.40
.8750	7/8	7/8	2	1 1/2	3 3/4	57754	282.00
1.0000	1	1	2	1 1/2	4	57755	324.00
1.2500	1 1/4	1 1/4	2	1 3/4	4 1/4	57756	440.45
1.5000	1 1/2	1 1/2	2	2	4 3/4	57757	513.95



List No. 5935 - 3 Straight Flutes - For Non-Ferrous & Cast Iron

List No. 5936 - 3 Straight Flutes - For Steel & Steel Alloys

Use: For plunge-traverse milling. Recommended for milling blind, closed slots or keyways. Appropriate grade of carbide and geometry for material being machined. All tools are radial edged.

TOOL DIAMETER		SHANK DIAM.	NO. OF FLTS.	FLUTE LENGTH	OVERALL LENGTH	LIST 5935 FORN-F & C.I.		LIST 5936 FOR STEEL	
DEC.	FRAC.					EDP NO.	PRICE EACH	EDP NO.	PRICE EACH
.3750	3/8	3/8	3	1/2	2 1/2	57431	\$129.45	57442	\$134.50
.4375	7/16	3/8	3	3/4	2 1/2	57432	132.35	57443	137.55
.5000	1/2	1/2	3	3/4	3	57433	135.85	57444	140.95
.5625	9/16	1/2	3	3/4	3	57434	141.05	57445	146.50
.6250	5/8	5/8	3	3/4	3 1/4	57435	165.05	57446	171.30
.7500	3/4	5/8	3	3/4	3 3/8	57436	172.75	57447	179.40
.8750	7/8	7/8	3	3/4	3 3/4	57437	201.65	57448	209.40
1.0000	1	7/8	3	3/4	3 3/4	57438	221.50	57449	230.05
1.1250	1 1/8	1	3	3/4	4	57439	237.30	57450	246.25
1.2500	1 1/4	1	3	3/4	4	57440	274.90	57451	285.60
1.5000	1 1/2	1 1/4	3	3/4	4	57441	326.85	57452	339.45



END MILLS - FOR STEEL

CARBIDE TIPPED

List No. 5960 - 15° Right Hand Helix

Use: For milling all types of steels. The 15° spiral flutes reduce cutting pressure and contribute to fast chip removal. Radial edged.



TOOL DIAMETER		SHANK DIAM.	FLUTE LENGTH	OVER ALL LEN.	LIST 5960 - 15° RIGHT HELIX		
DEC.	FRAC.				NO. OF FLTS.	LIST 5960 EDP NO.	PRICE EACH
.7500	3/4	5/8	1 1/4	3 3/8	4	57609	\$165.50
.8125	13/16	5/8	1 1/2	3 5/8	4	57610	178.60
.8750	7/8	5/8	1 1/2	3 5/8	4	57611	189.50
.9375	15/16	7/8	1 1/2	3 3/4	4	57614	280.75
1.0000	1	1	1 1/2	4	6	57616	265.85
1.2500	1 1/4	1	1 3/4	4 1/4	6	57618	358.55
1.5000	1 1/2	1 1/4	2	4 1/2	6	57620	412.60
1.7500	1 3/4	1 1/4	2	4 1/2	8	57622	586.70
2.0000	2	1 1/4	2	4 1/2	8	57624	662.60

List No. 5965 - 6° Right Hand Helix

Use: Positive helical rake produces a better and more consistent finish than straight flutes. Radial edged.



TOOL DIAMETER		SHANK DIAM.	FLUTE LENGTH	OAL	LIST 5965 6° RIGHT HELIX		
DEC.	FRAC.				NO. OF FLTS.	EDP NO.	PRICE EACH
1.0000	1	7/8	1 1/4	4	6	47710	\$209.85
1.1250	1 1/8	1	1 1/4	4 1/4	6	47711	222.55
1.2500	1 1/4	1	1 1/4	4 1/4	6	47712	269.00
1.5000	1 1/2	1 1/4	1 1/2	4 1/2	6	47713	327.15



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Tolerances on page 17.

END MILLS - FOR NON-FERROUS & CAST IRON

CARBIDE TIPPED

List No. 5923 - 2 Straight Flutes

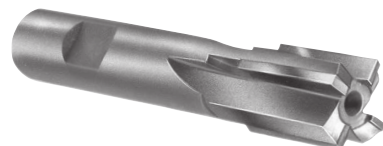
Use: For milling most types of non-ferrous metals and non-metals, especially the free cutting, very ductile aluminum and zincs. Radial edged.

List No. 5925 - 4 or 6 Straight Flutes

Use: For general milling of cast iron, non-ferrous metals and non-metals. Radial edged.

List No. 5921 - 6° Right Hand Helix

Use: For milling all types of non-ferrous metals and non-metals, especially the free cutting, very ductile aluminum and zincs. Radial edged.



TOOL DIAMETER		SHANK DIAM.	FLUTE LEN.	OAL	LIST 5923 2 STRAIGHT FLUTES			LIST 5925 4 OR 6 STR. FLUTES			LIST 5921 6° RIGHT SPIRAL FLUTES		
DEC.	FRAC.				NO. OF FLTS.	EDP NO.	PRICE EACH	NO. OF FLTS.	EDP NO.	PRICE EACH	NO. OF FLTS.	EDP NO.	PRICE EACH
.5000	1/2	1/2	1	3 1/4	2	57335	\$80.30	4	57365	\$81.85	2	57305	\$81.90
.6250	5/8	1/2	1	3 3/8	2	57337	88.75	4	57367	96.20	4	57307	94.15
.7500	3/4	5/8	1	3 7/8	2	57339	99.70	4	57368	99.05	4	57308	107.65
.8750	7/8	3/4	1 1/4	4	2	57341	121.25	4	57369	117.00	4	57309	143.90
1.0000	1	7/8	1 1/4	4	2	57343	130.20	4	57370	135.20	4	57310	166.20
1.1250	1 1/8	1	1 1/4	4 1/4	-	-	-	4	57371	153.30	-	-	-
1.2500	1 1/4	1	1 1/4	4 1/2	2	57345	161.15	4	57372	172.40	4	57312	211.90
1.5000	1 1/2	1 1/4	1 1/2	4 1/2	2	57346	199.55	4	57373	222.30	4	57313	262.25
1.7500	1 3/4	1 1/4	1 1/2	4 1/2	-	-	-	6	57374	286.50	-	-	-
2.0000	2	1 1/4	1 1/2	4 1/2	-	-	-	6	57375	330.10	-	-	-

List No. 5962 - 15° Right Hand Helix

Use: Fewer flutes for use on applications where open flutes are desired. For general use on all materials except steel. Radial edged.

TOOL DIAMETER		SHANK DIAM.	FLUTE LEN.	OAL	LIST 5962 15° RIGHT SPIRAL		
DEC.	FRAC.				NO. OF FLTS.	EDP NO.	PRICE EACH
.5000	1/2	3/8	1	3	2	57651	\$118.55
.5000	1/2	1/2	1	3	2	57652	118.55
.5625	9/16	1/2	1	3	2	57653	127.45
.6250	5/8	1/2	1 1/4	3 1/4	2	57654	137.00
.6250	5/8	5/8	1 1/4	3 3/8	2	57655	137.00
.6875	11/16	1/2	1 1/4	3 1/4	2	57656	142.85
.6875	11/16	5/8	1 1/4	3 3/8	2	57657	142.85
.7500	3/4	1/2	1 1/4	3 1/4	2	57658	152.50
.7500	3/4	5/8	1 1/4	3 3/8	2	57659	152.50
.8125	13/16	5/8	1 1/2	3 3/8	2	57660	164.60
.8750	7/8	5/8	1 1/2	3 3/8	2	57661	174.70
.8750	7/8	3/4	1 1/2	3 3/4	2	57662	174.70
.9375	15/16	5/8	1 1/2	3 3/4	3	57663	258.70
.9375	15/16	7/8	1 1/2	3 3/4	3	57664	258.70
1.0000	1	7/8	1 1/2	3 3/4	3	57665	244.85
1.0000	1	1	1 1/2	4	3	57666	244.85
1.1250	1 1/8	1	1 3/4	4 1/4	3	57667	288.35
1.2500	1 1/4	1	1 3/4	4 1/4	4	57668	330.45
1.3750	1 3/8	1	1 3/4	4 1/4	4	57669	385.90
1.5000	1 1/2	1 1/4	2	4 1/2	4	57670	380.25
1.6250	1 5/8	1 1/4	2	4 1/2	4	57671	465.05
1.7500	1 3/4	1 1/4	2	4 1/2	4	57672	495.95
1.8750	1 7/8	1 1/4	2	4 1/2	4	57673	530.45
2.0000	2	1 1/4	2	4 1/2	8	57674	560.30



END MILL TOLERANCES - ALL LIST NUMBERS	
DIAMETERS	CARBIDE TIPPED
Cutting Diameter	+.002"/-0"
Shank Diameter	-.0001"/-.0005"

FEEDS & SPEEDS FOR MILLS & SAWS - CARBIDE TIPPED

Feeds & speeds are a starting recommendation only. Factors such as machine, fixture and tooling rigidity, horsepower available, coolant application and others will affect the performance significantly. Please read machine operators instructions and use all safety shields and glasses before performing these operations.

$RPM = SFPM \times 3.82 / \text{CUTTER DIAMETER}$

$IPM = IPT \times RPM \times \#TEETH$

$IPT = \text{Inches Per Tooth}$

$IPM = \text{Inches Per Minute}$

$RPM = \text{Rotations Per Minute}$

$SFPM = \text{Surface Feet Per Minute}$

Cutter Diameter = Diameter of the cutter in inches



CLASS OF MATERIALS	MATERIAL	APPLICATION - MILLS AND SAWS		
		BRINELL	SURFACE FEET PER MINUTE (SFPM)	INCHES PER TOOTH (IPT)
NON-FERROUS (SOFT)	ALUMINUM ALLOY - WROUGHT	30-150* (500kg)	1000-2000	.004-.008
	MAGNESIUM ALLOY	50-90*	750-1500	.004-.008
	LEAD ALLOY	10-20*	300-1000	.004-.008
	NON-METAL AND PLASTIC	—	1500-3000	.004-.008
	ZINC ALLOY - DIE CAST	80-100	750-1500	.005-.010
NON-FERROUS (HARD)	ALUMINUM BRONZE	40-175	200-600	.003-.006
	BRASS ALLOY - LEADED AND FREE CUTTING	10-100Rb	400-800	.004-.008
	NICKEL SILVER	10-100Rb	200-400	.003-.006
	COPPER ALLOY - TOUGH	40-200*	200-500	.004-.008
CAST IRON	DUCTILE CAST IRON - AUSTENITIC	120-275	75-150	.002-.004
	DUCTILE CAST IRON - FERRITIC	140-270	250-400	.003-.006
	DUCTILE CAST IRON - MARTENSITIC	270-400	200-300	.003-.006
	GRAY - PEARLITIC	220-320	120-300	.002-.004
	GRAY - FERRITIC	110-240	250-425	.003-.006
	MALLEABLE CAST IRON - MARTENSITIC	200-320	130-225	.002-.004
LOW CARBON STEELS	LOW AND MEDIUM CARBON STEEL - FREE MACHINING	100-240	250-500	.003-.006
	LOW AND MEDIUM CARBON STEEL - WROUGHT	100-375	200-400	.002-.004
MEDIUM STRENGTH STEELS	LOW AND MEDIUM CARBON ALLOY STEEL - FREE MACHINING	100-275	200-400	.002-.004
	LOW AND MEDIUM CARBON ALLOY STEEL	85-375	150-300	.002-.005
	STAINLESS STEEL - 400 SERIES	135-325	200-400	.003-.006
	STAINLESS STEEL - 400 SERIES FREE MACHINING	135-275	250-500	.003-.006
HIGH STRENGTH STEELS	HIGH STRENGTH STEEL - WROUGHT & TOOL STEEL	175-400	75-150	.002-.004
HIGH TEMP. ALLOYS	HIGH TEMP ALLOYS NICKEL & IRON BASE ALLOY	140-300	50-150	.002-.004
	STAINLESS STEEL - 300 SERIES	135-375	75-150	.002-.004
	STAINLESS STEEL - PH SERIES	150-440	75-150	.002-.004
	TITANIUM ALLOY	110-380	100-200	.002-.004

SIDE MILLING CUTTERS - STRAIGHT TOOTH

CARBIDE TIPPED

List No. 5861 - For Non-Ferrous

Use: Large flute capacity allows for high feed rates.
Designed for milling aluminum, copper, zinc and other non-ferrous metals and plastics.

List No. 5862 - For Cast Iron

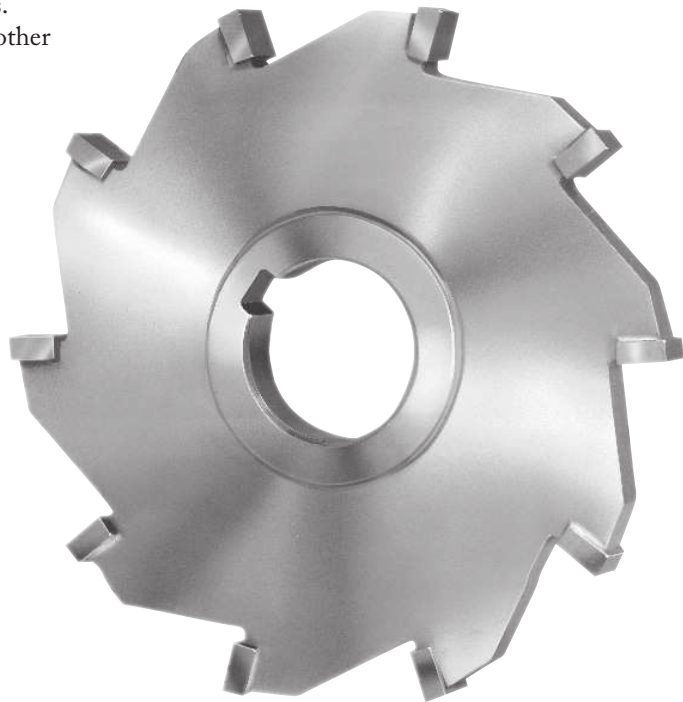
Use: Greater number of flutes permit increased metal removal rates.

List No. 5863 - For Steel

Use: Constructed with steel cutting grade of carbide for heavy duty machining.

List No. 5849 - For Stainless

Use: Closer pitch for milling AISI types 200 thru 350 stainless steel.



Tool diameter tolerance: $\pm \frac{1}{16}''/-0''$

Face width tolerance: $\pm .001''/-0''$

Arbor hole tolerance: $\pm .001''/-0''$

TOOL DIAM.	WIDTH		LIST 5861 FOR NON-FERROUS				LIST 5862 FOR CAST IRON				LIST 5863 FOR STEEL				LIST 5849 FOR STAINLESS STEEL			
	FRAC.	DEC.	NO. OF TEETH	1"ARB. EDP NO.	1 1/4"ARB. EDP NO.	PRICE EACH	NO. OF TEETH	1"ARB. EDP NO.	1 1/4"ARB. EDP NO.	PRICE EACH	NO. OF TEETH	1"ARB. EDP NO.	1 1/4"ARB. EDP NO.	PRICE EACH	NO. OF TEETH	1"ARB. EDP NO.	1 1/4"ARB. EDP NO.	PRICE EACH
3	1/4	.2500	4	56801	-	\$160.55	6	56901	-	\$200.80	6	57001	-	\$198.25	8	56601	-	\$247.30
3	5/16	.3125	4	56802	-	168.50	6	56902	-	201.70	6	57002	-	200.95	8	56602	-	259.15
3	3/8	.3750	4	56803	-	174.65	6	56903	-	205.65	6	57003	-	203.50	8	56603	-	262.60
3	7/16	.4375	4	56832	-	181.80	6	56932	-	222.40	6	57032	-	226.95	-	-	-	-
4	1/2	.5000	4	56805	-	190.65	6	56905	-	231.60	6	57005	-	229.95	8	56604	-	293.60
4	1/4	.2500	4	56806	-	209.20	8	56906	-	259.40	8	57006	-	261.05	10	56605	-	309.25
4	5/16	.3125	4	56807	-	215.15	8	56907	-	268.10	8	57007	-	277.20	10	56606	-	324.90
4	3/8	.3750	4	56808	56809	220.80	8	56908	56909	281.70	8	57008	57009	277.20	10	56607	56608	332.10
4	7/16	.4375	4	56833	-	221.80	8	56933	-	287.45	8	57033	-	285.45	10	56633	-	360.65
4	1/2	.5000	4	56811	56812	221.80	8	56911	56912	296.90	8	57011	57012	295.40	10	56609	56610	363.40
4	5/16	.5625	4	56834	-	241.10	8	56934	-	305.10	8	57034	-	310.00	-	-	-	-
4	3/8	.6250	4	56814	56815	258.75	8	56914	56915	330.65	8	57014	57015	362.40	10	56611	56612	382.65
4	3/4	.7500	4	56816	56817	289.90	8	56916	56917	330.65	8	57017	57018	366.95	10	56613	56614	394.10
5	1/4	.2500	6	56835	-	292.25	10	56935	-	343.50	10	57035	-	343.65	-	-	-	-
5	5/16	.3125	-	-	-	-	10	56936	-	343.50	10	57036	-	343.65	-	-	-	-
5	3/8	.3750	-	-	-	-	10	-	56937	351.75	10	-	57037	360.80	-	-	-	-
5	7/16	.4375	6	-	56838	304.05	10	-	56938	353.50	10	-	57038	372.40	-	-	-	-
5	1/2	.5000	6	56819	56820	307.65	10	56919	56920	375.30	10	57020	57021	372.50	12	56615	56616	417.40
5	5/16	.5625	6	-	56839	317.55	10	-	56939	381.70	10	-	57039	388.95	-	-	-	-
5	3/8	.6250	6	-	56822	334.05	10	-	56922	406.30	10	-	57022	456.50	12	-	56617	455.90
5	3/4	.7500	6	56840	56824	356.10	10	56940	56924	460.00	10	57040	57023	505.25	12	56640	56619	511.25
5	1	1.0000	6	-	56841	356.70	10	-	56941	500.65	10	-	57041	532.90	-	-	-	-
6	3/8	.3750	6	56842	-	313.60	12	-	56943	432.20	12	-	57043	456.60	-	-	-	-
6	1/2	.5000	6	56825	56826	343.50	12	56925	56926	458.95	12	57024	57025	470.25	14	56620	56621	536.95
6	5/8	.6250	6	-	56827	376.40	12	-	56927	501.60	12	-	57026	511.60	14	-	56644	541.25
6	3/4	.7500	6	56844	56829	432.90	12	56944	56929	562.80	12	57044	57027	582.75	14	56622	56624	584.05
6	1	1.0000	6	-	56845	496.20	12	-	56945	568.70	12	-	57045	594.55	-	-	-	-
				1 1/4" ARBOR	1 1/2" ARBOR			1 1/4" ARBOR	1 1/2" ARBOR			1 1/4" ARBOR	1 1/2" ARBOR			1 1/4" ARBOR	1 1/2" ARBOR	
8	3/4	.7500	8	56831	56846	563.15	12	56931	56946	590.65	12	57031	57046	612.70	14	56627	-	626.25
8	1	1.0000	8	56847	56848	611.15	12	56947	56948	615.55	12	57047	57048	637.75	-	-	-	-

SHELL END MILLS

CARBIDE TIPPED

List No. 5858 - For Non-Ferrous

Use: Large open right spiral flutes aid in chip removal.

List No. 5859 - For Cast Iron

Use: Large open right spiral flutes for machining cast iron, malleable iron, and soft cast iron.

List No. 5860 - For Steel

Use: Large open left spiral flutes absorb the impact shock when entering steel. Steel cutting carbide grade.

Tool diameter tolerance: $+\frac{1}{16}"/-0"$



TOOL DIAM.	ARBOR HOLE	CARB. LENGTH	OVERALL LENGTH	DRIVE SLOTS		LIST 5858 FOR NON-FERROUS			LIST 5859 FOR CAST IRON			LIST 5860 FOR STEEL		
				WIDTH	DEPTH	NO. OF TEETH	EDP NO.	PRICE EACH	NO. OF TEETH	EDP NO.	PRICE EACH	NO. OF TEETH	EDP NO.	PRICE EACH
1 ¼	½	½	1	¼	⅝ ₃₂	4	56701	\$240.00	4	56721	\$240.00	4	56741	\$249.65
1 ½	½	½	1 ⅛	¼	⅝ ₃₂	4	56702	249.95	4	56722	249.95	4	56742	259.90
1 ¾	¾	½	1 ¼	⅝ ₁₆	⅜ ₁₆	4	56703	311.40	4	56723	311.40	4	56743	323.80
2	¾	⅝	1 ⅜	⅝ ₁₆	⅜ ₁₆	4	56704	327.00	4	56724	348.00	4	56744	361.85
2 ¼	1	⅝	1 ½	⅜	⅞ ₃₂	6	56705	345.45	6	56725	376.75	6	56745	391.80
2 ½	1	⅝	1 ⅝	⅜	⅞ ₃₂	6	56706	363.75	6	56726	410.60	6	56746	410.60
2 ¾	1	⅝	1 ⅝	⅜	⅞ ₃₂	6	56707	383.85	6	56727	430.75	6	56747	430.75
3	1 ¼	¾	1 ¾	½	⅞ ₃₂	6	56708	420.75	6	56728	468.50	6	56748	468.50
3 ½	1 ¼	¾	1 ⅞	½	⅞ ₃₂	6	56709	515.10	8	56729	550.95	6	56749	582.45
4	1 ½	¾	2 ¼	⅝	⅜	6	56710	647.25	8	56730	681.65	6	56750	723.50

SLITTING SAWS - COARSE TOOTH

CARBIDE TIPPED

List No. 5846 - For Non-Ferrous

Use: For machining aluminum, plastics, bronze, zinc, brass, magnesium, and other non-metals.

List No. 5847 - For Cast Iron

Use: For machining cast and malleable iron. More teeth for higher removal rates

List No. 5848 - For Steel

Use: For machining steels. Steel carbide grade permits greater resistance to wear when used in steel.

List No. 5850 - For Stainless

Use: High number of teeth for machining stainless steels and related alloy steels.

Tool diameter tolerance: $+\frac{1}{16}"/-0"$; Face width tolerance: $+.001"/-0"$; Arbor hole tolerance: $+.001"/-0"$



TOOL DIAM.	WIDTH		ARBOR HOLE	LIST 5846 FOR NON-FERROUS			LIST 5847 FOR CAST IRON			LIST 5848 FOR STEEL			LIST 5850 FOR STAINLESS		
	FRAC.	DECIMAL		NO. OF TEETH	EDP NO.	PRICE EACH	NO. OF TEETH	EDP NO.	PRICE EACH	NO. OF TEETH	EDP NO.	PRICE EACH	NO. OF TEETH	EDP NO.	PRICE EACH
3	⅜ ₃₂	.0938	1	6	56498	\$190.35	6	56522	\$219.05	8	56542	\$217.20	8	56671	\$203.50
3	⅝	.1250	1	6	56499	196.05	6	56523	232.00	8	56543	243.10	8	56672	211.30
3	⅝ ₁₆	.1875	1	6	56500	203.85	6	56524	245.40	8	56544	245.40	8	56673	219.45
3	¾	.2500	1	6	56510	138.65	6	56533	201.15	8	56556	201.15	8	56683	241.45
3	⅝ ₁₆	.3125	1	6	56511	145.65	6	56534	201.15	8	56557	201.15	8	56684	241.45
3	⅝	.3750	1	6	56512	148.50	6	56535	204.45	8	56558	204.45	8	56685	245.40
4	⅝ ₃₂	.0938	1	6	56501	233.65	8	56525	280.85	8	56545	280.85	10	56674	292.80
4	⅝	.1250	1	6	56502	240.65	8	56526	284.65	8	56546	284.65	10	56675	296.45
4	⅝ ₁₆	.1875	1	6	56503	244.20	8	56527	306.70	8	56547	306.70	10	56676	300.60
4	¾	.2500	1	6	56513	178.15	8	56536	260.45	8	56559	260.45	10	56686	312.75
4	⅝ ₁₆	.3125	1	6	56514	183.20	8	56537	270.55	8	56560	270.55	10	56687	324.50
4	⅝	.3750	1	6	56515	188.00	8	56538	280.35	8	56561	280.35	10	56688	336.45
4	⅝	.3750	1 ¼	6	56516	188.00	8	56539	280.35	8	56562	280.35	10	56689	336.45
5	⅝ ₃₂	.0938	1	8	56517	252.85	10	56521	377.05	10	56553	377.05	12	56677	398.00
5	⅝	.1250	1	8	56497	252.85	10	56520	405.60	10	56554	405.60	12	56678	406.30
5	⅝ ₁₆	.1875	1	-	-	-	10	56519	456.60	10	56555	456.60	12	56679	422.50
6	⅝	.1250	1 ¼	8	56504	344.30	12	56528	495.00	12	56548	495.00	14	56680	475.30
6	⅝ ₁₆	.1875	1 ¼	8	56506	453.75	12	56529	511.30	12	56549	511.30	14	56681	487.55
6	¾	.2500	1 ¼	8	56508	470.05	12	56530	522.00	12	56550	522.00	14	56682	495.50
8	⅝	.1250	1 ¼	10	56509	440.20	-	-	-	-	-	-	-	-	-
8	⅝ ₁₆	.1875	1 ¼	-	-	-	16	56531	703.65	16	56551	703.65	-	-	-
8	¾	.2500	1 ¼	-	-	-	16	56532	730.55	16	56552	730.55	-	-	-



SUPER TOOL, INC. – Phone 800-237-1395 – Fax 941-756-6480

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SLITTING SAWS - STANDARD TOOTH

CARBIDE TIPPED

List No. 5866 - For Non-Ferrous

List No. 5867 - For Cast Iron

List No. 5868 - For Steel

List No. 5870 - For Stainless

Use: Similar to slitting saws on page 20, except designed with more teeth for better finishes and higher feed rates. Tool geometry and carbide grade is appropriate for material being machined.



See page 20 for tolerances

TOOL DIAM.	WIDTH		LIST 5866 FOR NON-FERROUS				LIST 5867 FOR CAST IRON				LIST 5868 FOR STEEL				LIST 5870 FOR STAINLESS STEEL			
	FAC.	DEC.	NO. OF TEETH	1" ARBOR EDP NO.	1 1/4" ARBOR EDP NO.	PRICE EACH	NO. OF TEETH	1" ARBOR EDP NO.	1 1/4" ARBOR EDP NO.	PRICE EACH	NO. OF TEETH	1" ARBOR EDP NO.	1 1/4" ARBOR EDP NO.	PRICE EACH	NO. OF TEETH	1" ARBOR EDP NO.	1 1/4" ARBOR EDP NO.	PRICE EACH
3	1/16	.0625	12	60002	-	\$299.90	12	60102	-	\$299.90	16	60202	-	\$358.55	12	60302	-	\$337.30
3	5/64	.0781	12	60003	-	354.65	12	60103	-	354.65	16	60203	-	433.60	12	60303	-	377.85
3	3/32	.0938	12	60004	-	299.90	12	60104	-	299.90	16	60204	-	358.55	12	60304	-	337.30
3	7/64	.1094	12	60005	-	298.75	12	60105	-	298.75	16	60205	-	330.95	12	60305	-	322.00
3	1/8	.1250	12	60006	60007	241.10	12	60106	60107	241.10	16	60206	-	299.85	12	60306	60307	307.55
3	5/32	.1562	12	60008	-	287.40	12	60108	-	287.40	16	60208	-	314.90	12	60308	-	314.90
3	3/16	.1875	12	60009	-	257.00	12	60109	-	257.00	16	60209	-	330.15	12	60309	-	322.50
3	7/32	.2188	12	60010	-	297.30	12	60110	-	297.30	16	60210	-	345.25	12	60310	-	332.70
3	1/4	.2500	12	60011	-	312.60	12	60111	-	312.60	16	60211	-	360.55	12	60311	-	342.75
3	5/16	.3125	12	60012	-	342.75	12	60112	-	342.75	16	60212	-	395.25	12	60312	-	375.50
3	3/8	.3750	12	60013	-	373.00	12	60113	-	373.00	16	60213	-	430.10	12	60313	-	410.75
3	7/16	.4375	-	-	-	-	-	-	-	-	16	60280	-	477.95	12	60380	-	446.30
3	1/2	.5000	-	-	-	-	-	-	-	-	16	60281	-	531.15	12	60381	-	481.70
4	1/16	.0625	14	60060	60061	349.20	14	60160	-	349.20	20	60260	-	433.60	14	60360	60361	383.65
4	5/64	.0781	14	60062	60063	412.50	14	60162	60163	412.50	20	60262	60263	474.45	14	60362	60363	439.60
4	3/32	.0938	14	60064	60065	349.20	14	60164	60165	349.20	20	60264	60265	433.60	14	60364	60365	383.65
4	7/64	.1094	14	60066	60067	356.60	14	60166	60167	356.60	20	60266	60267	410.10	14	60366	60367	454.80
4	1/8	.1250	14	60014	60015	314.90	14	60114	60115	314.90	20	60214	60215	383.05	14	60314	60315	383.05
4	5/32	.1562	14	60016	60017	357.75	14	60116	60117	357.75	20	60216	60217	411.55	14	60316	60317	393.15
4	3/16	.1875	14	60018	60019	335.30	14	60118	60119	335.30	20	60218	60219	413.30	14	60318	60319	405.65
4	7/32	.2188	14	60020	60021	380.50	14	60120	60121	380.50	20	60220	60221	437.60	14	60320	60321	418.45
4	1/4	.2500	14	60022	60023	387.90	14	60122	60123	387.90	20	60222	60223	443.30	14	60322	60323	428.45
4	5/16	.3125	14	60024	60025	418.45	14	60124	60125	418.45	20	60224	60225	481.05	14	60324	60325	458.70
4	3/8	.3750	14	60026	60027	448.55	14	60126	60127	448.55	20	60226	60227	515.85	14	60326	60327	493.85
4	7/16	.4375	-	-	-	-	-	-	-	-	20	60282	-	573.10	14	60382	-	529.45
4	1/2	.5000	-	-	-	-	-	-	-	-	20	60283	-	636.95	14	60383	-	564.90
5	5/64	.0781	16	60068	60069	511.00	16	60168	60169	511.00	24	60268	60269	587.50	16	60368	60369	541.65
5	3/32	.0938	16	60070	60071	421.60	16	60170	60171	421.60	24	60270	60271	591.65	16	60370	60371	464.50
5	7/64	.1094	16	60072	60073	479.95	16	60172	60173	479.95	24	60272	60273	552.05	16	60372	60373	511.00
5	1/8	.1250	16	60028	60029	389.45	16	60128	60129	389.45	24	60228	60229	478.70	16	60328	60329	451.10
5	5/32	.1562	16	60030	60031	425.85	16	60130	60131	425.85	24	60230	60231	489.65	16	60330	60331	466.00
5	3/16	.1875	16	60032	60033	436.15	16	60132	60133	436.15	24	60232	60233	524.10	16	60332	60333	491.40
5	7/32	.2188	16	60034	60035	468.65	16	60134	60135	468.65	24	60234	60235	539.00	16	60334	60335	516.60
5	1/4	.2500	16	60036	60037	488.85	16	60136	60137	488.85	24	60236	60237	562.25	16	60336	60337	541.70
5	5/16	.3125	16	60038	60039	531.55	16	60138	60139	531.55	24	60238	60239	611.45	16	60338	60339	584.55
5	3/8	.3750	16	60040	60041	574.50	16	60140	60141	574.50	24	60240	60241	660.60	16	60340	60341	629.95
5	7/16	.4375	-	-	-	-	-	-	-	-	24	60284	-	734.10	16	60384	-	665.45
5	1/2	.5000	-	-	-	-	-	-	-	-	24	60285	-	815.65	16	60385	-	700.90
6	5/64	.0781	18	60074	60075	574.45	18	60174	60175	574.45	28	60274	60275	660.55	18	60374	60375	609.10
6	3/32	.0938	18	60076	60077	511.60	18	60176	60177	511.60	28	60276	60277	605.15	18	60376	60377	560.90
6	7/64	.1094	18	60078	60079	576.40	18	60178	60179	576.40	28	60278	60279	662.85	18	60378	60379	611.15
6	1/8	.1250	18	60042	60043	487.60	18	60142	60143	487.60	28	60242	60243	634.95	18	60342	60343	577.00
6	5/32	.1562	18	60044	60045	551.65	18	60144	60145	551.65	28	60244	60245	634.65	18	60344	60345	602.20
6	3/16	.1875	18	60046	60047	534.20	18	60146	60147	534.20	28	60246	60247	680.80	18	60346	60347	627.35
6	7/32	.2188	18	60048	60049	602.20	18	60148	60149	602.20	28	60248	60249	692.55	18	60348	60349	652.60
6	1/4	.2500	18	60050	60051	627.45	18	60150	60151	627.45	28	60250	60251	740.25	18	60350	60351	687.40
6	5/16	.3125	18	60052	60053	652.75	18	60152	60153	652.75	28	60252	60253	750.60	18	60352	60353	718.15
6	3/8	.3750	18	60054	60055	677.75	18	60154	60155	677.75	28	60254	60255	779.50	18	60354	60355	745.75
6	7/16	.4375	-	-	-	-	-	-	-	-	28	60286	-	866.00	18	60386	-	781.25
6	1/2	.5000	-	-	-	-	-	-	-	-	28	60287	-	962.25	18	60387	-	816.75
8	1/8	.1250	24	-	60056	809.55	24	-	60156	809.55	24	-	60256	855.80	24	-	60356	855.80
8	5/32	.1562	24	-	60057	819.15	24	-	60157	819.15	24	-	60257	865.50	24	-	60357	865.50
8	3/16	.1875	24	-	60058	828.80	24	-	60158	828.80	24	-	60258	875.05	24	-	60358	875.05
8	1/4	.2500	24	-	60059	878.80	24	-	60159	878.80	24	-	60259	925.15	24	-	60359	925.15

3" CARBIDE TIPPED MILLING CUTTERS

Width grinds between .0600" and .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60302D	\$414.70	\$384.65	\$379.60	\$376.85	\$375.25	\$337.30
3	.0704-.0859	.0711	60303D	455.30	425.30	420.10	417.40	415.65	377.85
3	.0860-.1015	.0867	60304D	414.70	384.65	379.60	376.85	375.25	337.30
3	.1016-.1171	.1024	60305D	399.35	369.50	364.25	361.50	359.85	322.00
3	.1172-.1406	.1180	60306D	384.95	354.95	349.70	346.95	345.35	307.55
3	.1407-.1718	.1562	60308D	392.40	362.50	357.25	354.55	352.95	314.90
3	.1719-.2031	.1875	60309D	399.95	369.90	364.65	362.00	360.40	322.50
3	.2032-.2343	.2188	60310D	410.10	380.25	375.00	372.25	370.60	332.70
3	.2344-.2812	.2500	60311D	420.30	390.35	385.00	382.25	380.75	342.75
3	.2813-.3437	.3125	60312D	452.95	423.00	417.75	415.10	413.45	375.50
3	.3438-.4062	.3750	60313D	488.05	458.15	452.95	450.10	448.50	410.75
3	.4063-.4687	.4375	60380D	523.55	493.70	488.50	485.75	484.10	446.30
3	.4688-.5312	.5000	60381D	559.25	529.15	523.95	521.25	519.75	481.70

- Cutter Notes (All cutters on page)**
- 12 Teeth
 - C-2(m) Carbide
 - 5° Positive Radial Rake
 - Width Tolerance: +.001"/- .000"
 - OD tolerance: +.0313"/- .000"
 - 1" Arbor hole +.001"/- .000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 363 Brinell (39Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

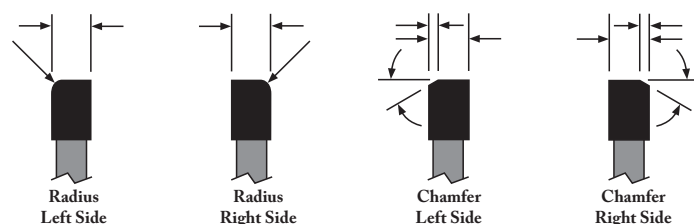
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ⅓ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: $\pm \frac{1}{2}^\circ$
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60302R1	\$434.95	\$390.70	\$384.65	\$381.85	\$380.00	\$379.10
3	.0704-.0859	.0711	60303R1	475.55	431.20	425.30	422.30	420.50	419.60
3	.0860-.1015	.0867	60304R1	434.95	390.70	384.65	381.85	380.00	379.10
3	.1016-.1171	.1024	60305R1	419.70	375.35	369.50	366.50	364.60	363.65
3	.1172-.1406	.1180	60306R1	405.20	360.80	354.95	351.95	350.20	349.10
3	.1407-.1718	.1562	60308R1	412.60	368.30	362.50	359.40	357.65	356.60
3	.1719-.2031	.1875	60309R1	420.25	375.75	369.90	366.95	365.25	364.20
3	.2032-.2343	.2188	60310R1	430.30	386.15	380.25	377.05	375.35	374.25
3	.2344-.2812	.2500	60311R1	440.45	396.10	390.35	387.25	385.50	384.45
3	.2813-.3437	.3125	60312R1	473.15	428.90	423.00	419.95	418.25	417.10
3	.3438-.4062	.3750	60313R1	508.45	464.05	458.15	455.15	453.35	452.40
3	.4063-.4687	.4375	60380R1	543.90	499.60	493.70	490.65	488.85	487.90
3	.4688-.5312	.5000	60381R1	579.40	535.05	529.15	526.25	524.30	523.40

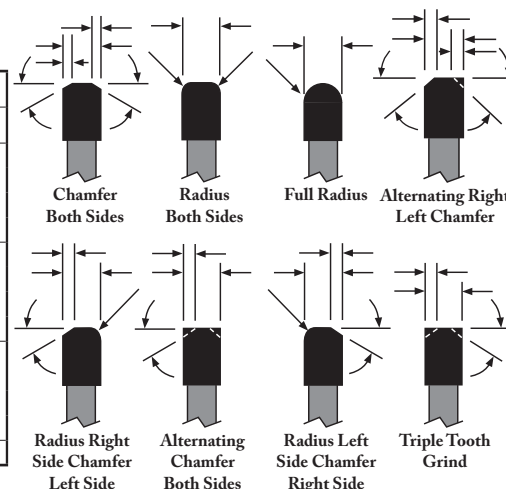
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADII, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60302R2	\$445.75	\$396.65	\$390.15	\$386.65	\$384.60	\$383.65
3	.0704-.0859	.0711	60303R2	486.40	437.10	430.70	427.25	425.15	424.05
3	.0860-.1015	.0867	60304R2	445.75	396.65	390.15	386.65	384.60	383.65
3	.1016-.1171	.1024	60305R2	430.65	381.30	374.80	371.50	369.40	368.25
3	.1172-.1406	.1180	60306R2	416.05	366.80	360.25	356.90	354.85	353.80
3	.1407-.1718	.1562	60308R2	423.55	374.20	367.80	364.40	362.40	361.25
3	.1719-.2031	.1875	60309R2	430.95	381.85	375.30	371.85	369.85	368.80
3	.2032-.2343	.2188	60310R2	441.35	391.95	385.55	382.15	380.05	379.10
3	.2344-.2812	.2500	60311R2	451.30	402.05	395.55	392.15	390.15	389.05
3	.2813-.3437	.3125	60312R2	484.05	434.75	428.20	424.90	422.95	421.85
3	.3438-.4062	.3750	60313R2	519.30	470.05	463.45	460.05	458.05	457.00
3	.4063-.4687	.4375	60380R2	554.65	505.55	499.05	495.55	493.65	492.50
3	.4688-.5312	.5000	60381R2	590.25	541.15	534.50	531.20	529.10	528.00



4" CARBIDE TIPPED MILLING CUTTERS



Width grinds between .0600" and .5312"

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60360D	\$474.80	\$440.45	\$434.15	\$430.95	\$428.95	\$383.70
4	.0704-.0859	.0701	60362D	530.80	496.35	490.05	486.85	485.00	439.60
4	.0860-.1015	.0858	60364D	474.80	440.45	434.15	430.95	428.95	383.70
4	.1016-.1171	.1014	60366D	546.15	511.70	505.45	502.35	500.25	454.80
4	.1172-.1406	.1170	60314D	474.35	439.80	433.45	430.25	428.40	383.05
4	.1407-.1718	.1562	60316D	484.30	449.95	443.65	440.45	438.45	393.15
4	.1719-.2031	.1875	60318D	496.80	462.40	456.10	453.00	451.00	405.65
4	.2032-.2343	.2188	60320D	509.65	475.25	468.90	465.70	463.60	418.40
4	.2344-.2812	.2500	60322D	519.75	485.20	478.95	475.70	473.70	428.45
4	.2813-.3437	.3125	60324D	549.80	515.35	509.05	505.85	503.85	458.70
4	.3438-.4062	.3750	60326D	585.15	550.75	544.50	541.20	539.10	493.85
4	.4063-.4687	.4375	60382D	620.65	586.25	579.90	576.70	574.60	529.45
4	.4688-.5312	.5000	60383D	656.25	621.65	615.45	612.15	610.25	564.90

- Cutter Notes (All cutters on page)**
- 14 Teeth
 - C-2(m) Carbide
 - 5° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 363 Brinell (39Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

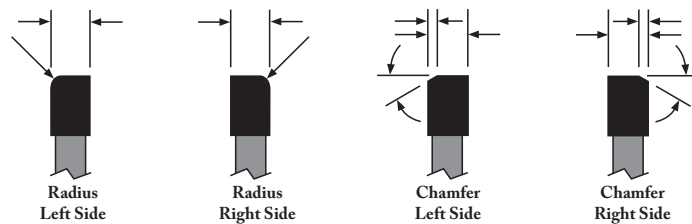
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ½ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: ½- 1/2°
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60360R1	\$496.75	\$446.90	\$439.95	\$436.25	\$434.15	\$433.00
4	.0704-.0859	.0701	60362R1	552.65	502.75	495.85	492.15	490.05	488.85
4	.0860-.1015	.0858	60364R1	496.75	446.90	439.95	436.25	434.15	433.00
4	.1016-.1171	.1014	60366R1	568.15	518.15	511.20	507.65	505.45	504.25
4	.1172-.1406	.1170	60314R1	496.20	446.30	439.30	435.65	433.45	432.35
4	.1407-.1718	.1562	60316R1	506.20	456.25	449.40	445.75	443.65	442.45
4	.1719-.2031	.1875	60318R1	518.80	468.90	461.95	458.25	456.10	454.85
4	.2032-.2343	.2188	60320R1	531.55	481.65	474.65	471.05	468.90	467.65
4	.2344-.2812	.2500	60322R1	541.60	491.60	484.65	481.05	478.95	477.75
4	.2813-.3437	.3125	60324R1	571.75	521.75	514.85	511.25	509.05	507.80
4	.3438-.4062	.3750	60326R1	606.95	557.10	550.05	546.45	544.50	543.15
4	.4063-.4687	.4375	60382R1	642.55	592.70	585.60	582.10	579.90	578.70
4	.4688-.5312	.5000	60383R1	678.10	628.25	621.30	617.65	615.45	614.30

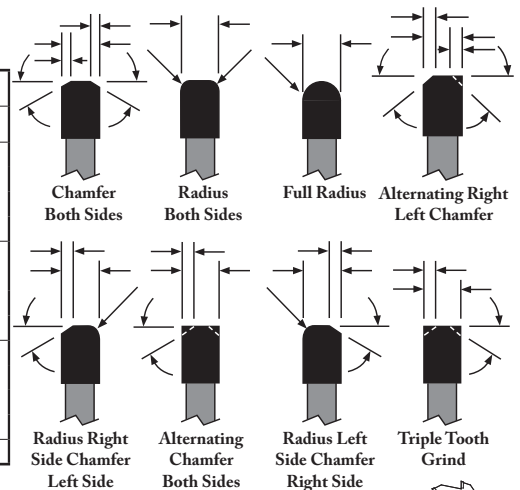
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADIUS, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60360R2	\$508.45	\$453.40	\$445.65	\$441.70	\$439.30	\$438.05
4	.0704-.0859	.0701	60362R2	564.15	509.25	501.55	497.55	495.10	493.85
4	.0860-.1015	.0858	60364R2	508.45	453.40	445.65	441.70	439.30	438.05
4	.1016-.1171	.1014	60366R2	579.60	524.65	516.85	513.00	510.55	509.25
4	.1172-.1406	.1170	60314R2	507.70	452.65	445.00	441.05	438.70	437.35
4	.1407-.1718	.1562	60316R2	517.85	462.85	455.10	451.15	448.60	447.35
4	.1719-.2031	.1875	60318R2	530.40	475.35	467.65	463.60	461.20	460.00
4	.2032-.2343	.2188	60320R2	543.10	488.05	480.45	476.50	474.10	472.80
4	.2344-.2812	.2500	60322R2	553.05	498.10	490.45	486.40	484.05	482.70
4	.2813-.3437	.3125	60324R2	583.25	528.30	520.55	516.60	514.15	512.95
4	.3438-.4062	.3750	60326R2	618.60	563.55	555.90	551.95	549.60	548.20
4	.4063-.4687	.4375	60382R2	654.10	599.15	591.45	587.40	584.95	583.85
4	.4688-.5312	.5000	60383R2	689.65	634.70	626.90	622.95	620.55	619.15



5" CARBIDE TIPPED MILLING CUTTERS

Width grinds between .0704" and .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60368D	\$634.95	\$599.60	\$593.20	\$590.00	\$588.05	\$541.65
5	.0860-.1015	.0848	60370D	557.90	522.65	516.35	513.00	511.05	464.50
5	.1016-.1171	.1004	60372D	604.10	569.00	562.50	559.35	557.30	511.00
5	.1172-.1406	.1160	60328D	544.50	509.05	502.75	499.45	497.50	451.10
5	.1407-.1718	.1562	60330D	559.40	524.10	517.85	514.40	512.40	466.00
5	.1719-.2031	.1875	60332D	584.70	549.45	543.10	539.85	537.80	491.40
5	.2032-.2343	.2188	60334D	609.95	574.60	568.30	564.95	563.00	516.60
5	.2344-.2812	.2500	60336D	635.00	599.70	593.45	590.10	588.20	541.70
5	.2813-.3437	.3125	60338D	677.75	642.55	636.20	632.85	630.95	584.55
5	.3438-.4062	.3750	60340D	723.15	687.95	681.65	678.30	676.25	629.95
5	.4063-.4687	.4375	60384D	758.65	723.60	717.20	713.90	711.80	665.45
5	.4688-.5312	.5000	60385D	794.30	759.05	752.65	749.40	747.40	700.90

- Cutter Notes (All cutters on page)**
- 16 Teeth
 - C-2(m) Carbide
 - 5° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 363 Brinell (39Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

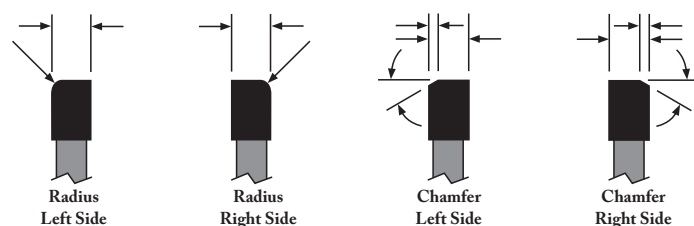
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ⅓ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: ⅓ - ½°
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60368R1	\$657.05	\$606.10	\$599.00	\$595.25	\$593.00	\$591.90
5	.0860-.1015	.0848	60370R1	580.15	529.10	522.00	518.35	516.05	514.85
5	.1016-.1171	.1004	60372R1	626.35	575.50	568.30	564.65	562.35	561.20
5	.1172-.1406	.1160	60328R1	566.50	515.60	508.55	504.85	502.60	501.45
5	.1407-.1718	.1562	60330R1	581.55	530.55	523.45	519.85	517.50	516.45
5	.1719-.2031	.1875	60332R1	606.80	555.95	548.75	545.15	542.95	541.70
5	.2032-.2343	.2188	60334R1	632.05	581.10	574.05	570.45	568.15	566.95
5	.2344-.2812	.2500	60336R1	657.15	606.35	599.15	595.50	593.20	592.00
5	.2813-.3437	.3125	60338R1	700.00	648.95	641.90	638.15	636.10	634.85
5	.3438-.4062	.3750	60340R1	745.35	694.45	687.30	683.60	681.55	680.25
5	.4063-.4687	.4375	60384R1	780.95	730.05	722.85	719.20	716.95	715.75
5	.4688-.5312	.5000	60385R1	816.45	765.55	758.45	754.85	752.45	751.30

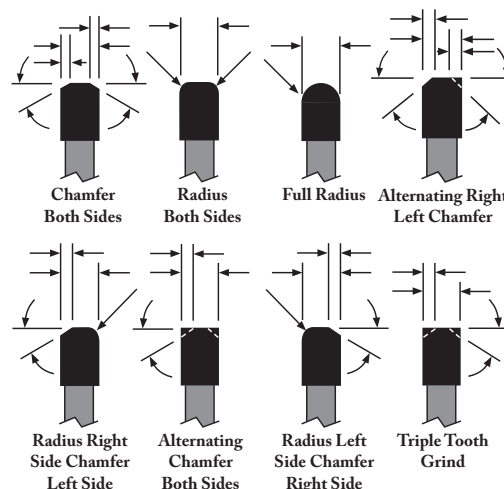
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADII, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60368R2	\$680.15	\$619.05	\$610.45	\$606.05	\$603.35	\$602.00
5	.0860-.1015	.0848	60370R2	603.20	541.95	533.50	529.05	526.35	525.00
5	.1016-.1171	.1004	60372R2	649.45	588.30	579.75	575.30	572.75	571.25
5	.1172-.1406	.1160	60328R2	589.65	528.50	520.00	515.45	512.95	511.45
5	.1407-.1718	.1562	60330R2	604.60	543.45	534.95	530.55	527.90	526.35
5	.1719-.2031	.1875	60332R2	629.95	568.85	560.20	555.90	553.20	551.85
5	.2032-.2343	.2188	60334R2	655.05	594.15	585.50	581.10	578.50	577.05
5	.2344-.2812	.2500	60336R2	680.25	619.10	610.50	606.20	603.65	602.20
5	.2813-.3437	.3125	60338R2	722.95	661.95	653.45	648.90	646.20	644.85
5	.3438-.4062	.3750	60340R2	768.55	707.30	698.90	694.35	691.70	690.40
5	.4063-.4687	.4375	60384R2	804.10	742.85	734.25	730.00	727.30	725.90
5	.4688-.5312	.5000	60385R2	839.55	778.45	769.95	765.55	762.80	761.35



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

6" CARBIDE TIPPED MILLING CUTTERS

Width grinds between .0704" up to .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60374D	\$706.55	\$669.70	\$663.10	\$659.65	\$657.50	\$609.10
6	.0860-.1015	.0838	60376D	658.30	621.50	614.85	611.45	609.25	560.90
6	.1016-.1171	.0994	60378D	708.65	671.90	665.10	661.65	659.65	611.15
6	.1172-.1406	.1150	60342D	674.25	637.55	630.95	627.45	625.35	577.00
6	.1407-.1718	.1562	60344D	699.45	662.85	656.20	652.65	650.60	602.20
6	.1719-.2031	.1875	60346D	724.80	687.95	681.45	677.75	675.65	627.35
6	.2032-.2343	.2188	60348D	749.95	713.15	706.55	703.05	700.90	652.60
6	.2344-.2812	.2500	60350D	784.80	748.10	741.30	737.85	735.90	687.40
6	.2813-.3437	.3125	60352D	815.55	778.75	772.15	768.65	766.60	718.15
6	.3438-.4062	.3750	60354D	843.20	806.30	799.75	796.25	794.15	745.70
6	.4063-.4687	.4375	60386D	878.65	841.85	835.25	831.70	829.65	781.25
6	.4688-.5312	.5000	60387D	914.15	877.40	870.75	867.30	865.20	816.75

- Cutter Notes (All cutters on page)**
- 18 Teeth
 - C-2(m) Carbide
 - 5° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 363 Brinell (39Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

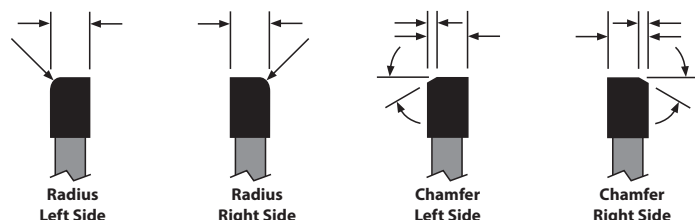
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ½ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: $\pm .15^\circ$
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60374R1	\$729.05	\$676.15	\$668.70	\$665.00	\$662.60	\$661.40
6	.0860-.1015	.0838	60376R1	680.85	627.95	620.55	616.75	614.45	613.25
6	.1016-.1171	.0994	60378R1	731.25	678.25	670.80	666.95	664.60	663.45
6	.1172-.1406	.1150	60342R1	696.95	643.95	636.50	632.70	630.45	629.20
6	.1407-.1718	.1562	60344R1	722.20	669.30	661.75	658.10	655.70	654.45
6	.1719-.2031	.1875	60346R1	747.40	694.45	687.05	683.15	680.85	679.70
6	.2032-.2343	.2188	60348R1	772.60	719.70	712.35	708.30	706.15	704.90
6	.2344-.2812	.2500	60350R1	807.45	754.55	747.10	743.35	740.95	739.65
6	.2813-.3437	.3125	60352R1	838.15	785.20	777.90	774.05	771.70	770.40
6	.3438-.4062	.3750	60354R1	865.70	812.85	805.45	801.55	799.30	798.10
6	.4063-.4687	.4375	60386R1	901.25	848.45	841.00	837.20	834.75	833.60
6	.4688-.5312	.5000	60387R1	936.90	883.90	876.45	872.65	870.40	869.05

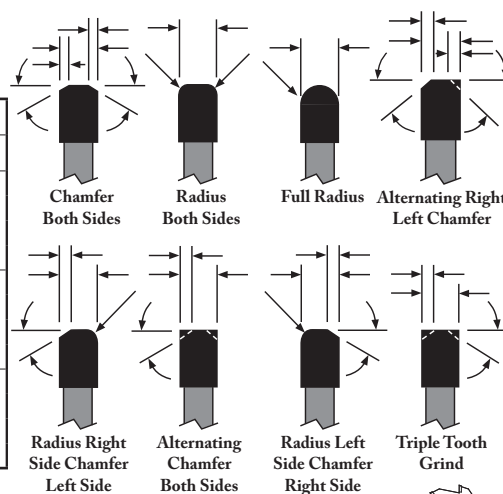
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADIUS, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60374R2	\$752.25	\$689.10	\$680.25	\$675.65	\$672.90	\$671.35
6	.0860-.1015	.0838	60376R2	704.00	640.90	632.05	627.50	624.75	623.15
6	.1016-.1171	.0994	60378R2	754.40	691.15	682.30	677.75	674.95	673.55
6	.1172-.1406	.1150	60342R2	720.15	657.00	648.10	643.55	640.80	639.25
6	.1407-.1718	.1562	60344R2	745.30	682.15	673.30	668.70	666.00	664.50
6	.1719-.2031	.1875	60346R2	770.40	707.30	698.50	694.00	691.25	689.75
6	.2032-.2343	.2188	60348R2	795.65	732.60	723.75	719.20	716.40	714.95
6	.2344-.2812	.2500	60350R2	830.55	767.40	758.55	753.95	751.15	749.80
6	.2813-.3437	.3125	60352R2	861.20	798.20	789.35	784.80	782.00	780.50
6	.3438-.4062	.3750	60354R2	888.75	825.75	816.90	812.40	809.60	808.15
6	.4063-.4687	.4375	60386R2	924.40	861.20	852.45	847.90	845.10	843.65
6	.4688-.5312	.5000	60387R2	959.95	896.80	888.00	883.50	880.75	879.25



3" CARBIDE TIPPED MILLING CUTTERS FOR STEEL

Width grinds between .0600" and .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60202D	\$436.90	\$407.40	\$401.90	\$399.20	\$397.50	\$358.55
3	.0704-.0859	.0711	60203D	511.80	482.35	476.95	474.30	472.55	433.60
3	.0860-.1015	.0867	60204D	436.90	407.40	401.90	399.20	397.50	358.55
3	.1016-.1171	.1024	60205D	409.05	379.45	374.10	371.50	369.65	330.95
3	.1172-.1406	.1180	60206D	378.00	348.55	343.15	340.55	338.65	299.85
3	.1407-.1718	.1562	60208D	393.20	363.70	358.35	355.60	353.80	314.90
3	.1719-.2031	.1875	60209D	408.35	378.85	373.45	370.75	368.95	330.15
3	.2032-.2343	.2188	60210D	423.45	394.00	388.65	385.80	384.25	345.25
3	.2344-.2812	.2500	60211D	438.75	409.20	403.85	401.20	399.35	360.55
3	.2813-.3437	.3125	60212D	473.55	443.90	438.60	435.90	434.10	395.30
3	.3438-.4062	.3750	60213D	508.45	478.95	473.55	470.80	469.05	430.10
3	.4063-.4687	.4375	60280D	556.10	526.60	521.25	518.60	516.80	477.95
3	.4688-.5312	.5000	60281D	609.25	579.75	574.45	571.75	569.95	531.15

- Cutter Notes (All cutters on page)**
- 16 Teeth
 - C-5 Carbide
 - 1° - 3° Positive Radial Rake
 - Width Tolerance: +.001"/- .000"
 - OD tolerance: +.0313"/- .000"
 - 1" Arbor hole +.001"/- .000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 475 Brinell (50Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

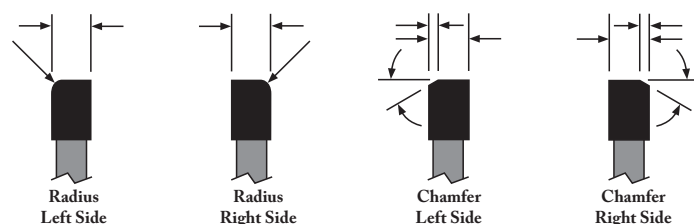
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ⅓ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: ⅓ - ½°
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60202R1	\$456.60	\$413.40	\$407.40	\$404.20	\$402.30	\$401.35
3	.0704-.0859	.0711	60203R1	531.60	488.40	482.40	479.25	477.35	476.45
3	.0860-.1015	.0867	60204R1	456.60	413.40	407.40	404.20	402.30	401.35
3	.1016-.1171	.1024	60205R1	428.85	385.60	379.60	376.45	374.65	373.50
3	.1172-.1406	.1180	60206R1	397.80	354.60	348.60	345.45	343.55	342.50
3	.1407-.1718	.1562	60208R1	412.90	369.80	363.75	360.70	358.60	357.75
3	.1719-.2031	.1875	60209R1	428.15	384.95	379.00	375.75	373.95	372.95
3	.2032-.2343	.2188	60210R1	443.30	400.05	394.05	390.90	389.05	388.00
3	.2344-.2812	.2500	60211R1	458.55	415.30	409.25	406.25	404.20	403.25
3	.2813-.3437	.3125	60212R1	493.25	450.00	443.95	440.85	439.00	438.05
3	.3438-.4062	.3750	60213R1	528.05	485.05	479.00	475.85	473.85	472.95
3	.4063-.4687	.4375	60280R1	575.95	532.70	526.75	523.55	521.75	520.85
3	.4688-.5312	.5000	60281R1	629.15	585.95	579.90	576.80	574.80	574.00

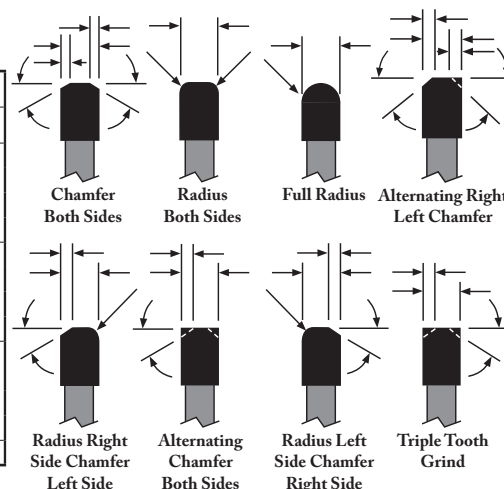
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADII, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
3	.0600-.0703	.0555	60202R2	\$467.45	\$419.60	\$412.75	\$409.25	\$407.30	\$406.20
3	.0704-.0859	.0711	60203R2	542.55	494.55	487.75	484.30	482.25	481.05
3	.0860-.1015	.0867	60204R2	467.45	419.60	412.75	409.25	407.30	406.20
3	.1016-.1171	.1024	60205R2	439.70	391.75	384.95	381.50	379.40	378.30
3	.1172-.1406	.1180	60206R2	408.75	360.70	353.95	350.50	348.35	347.20
3	.1407-.1718	.1562	60208R2	423.80	375.75	369.10	365.75	363.55	362.45
3	.1719-.2031	.1875	60209R2	439.00	391.00	384.35	380.90	378.70	377.65
3	.2032-.2343	.2188	60210R2	454.30	406.25	399.40	396.00	393.95	392.65
3	.2344-.2812	.2500	60211R2	469.45	421.35	414.60	411.15	409.05	408.00
3	.2813-.3437	.3125	60212R2	504.20	456.10	449.40	445.90	443.80	442.70
3	.3438-.4062	.3750	60213R2	539.00	490.95	484.30	480.90	478.85	477.65
3	.4063-.4687	.4375	60280R2	586.85	538.85	532.15	528.70	526.55	525.45
3	.4688-.5312	.5000	60281R2	640.05	591.90	585.35	581.90	579.70	578.60



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

4" CARBIDE TIPPED MILLING CUTTERS FOR STEEL



Width grinds between .0600" and .5312"

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60260D	\$526.00	\$491.80	\$485.40	\$482.05	\$480.10	\$433.60
4	.0704-.0859	.0701	60262D	566.65	532.60	526.20	522.85	520.95	474.45
4	.0860-.1015	.0858	60264D	526.00	491.80	485.40	482.05	480.10	433.60
4	.1016-.1171	.1014	60266D	502.45	468.35	461.95	458.60	456.55	410.10
4	.1172-.1406	.1170	60214D	475.30	441.20	434.75	431.50	429.50	383.00
4	.1407-.1718	.1562	60216D	503.85	469.75	463.40	460.00	458.10	411.60
4	.1719-.2031	.1875	60218D	505.50	471.45	465.00	461.70	459.65	413.15
4	.2032-.2343	.2188	60220D	529.85	495.85	489.40	486.05	484.15	437.65
4	.2344-.2812	.2500	60222D	535.65	501.55	495.10	491.80	489.90	443.30
4	.2813-.3437	.3125	60224D	573.30	539.30	532.85	529.55	527.55	481.05
4	.3438-.4062	.3750	60226D	608.15	574.10	567.75	564.40	562.30	515.85
4	.4063-.4687	.4375	60282D	665.45	631.30	625.05	621.60	619.60	573.10
4	.4688-.5312	.5000	60283D	729.10	695.10	688.65	685.35	683.40	636.95

- Cutter Notes (All cutters on page)**
- 20 Teeth
 - C-5 Carbide
 - 1° - 3° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 475 Brinell (50Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

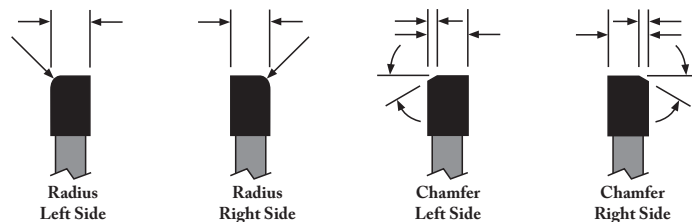
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ½ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: ½ - 1°
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60260R1	\$547.25	\$498.35	\$491.40	\$487.60	\$485.35	\$484.15
4	.0704-.0859	.0701	60262R1	588.10	539.30	532.15	528.35	526.20	524.95
4	.0860-.1015	.0858	60264R1	547.25	498.35	491.40	487.60	485.35	484.15
4	.1016-.1171	.1014	60266R1	523.65	474.85	467.85	464.10	461.85	460.65
4	.1172-.1406	.1170	60214R1	496.65	447.85	440.75	437.00	434.70	433.60
4	.1407-.1718	.1562	60216R1	525.25	476.45	469.35	465.60	463.40	462.15
4	.1719-.2031	.1875	60218R1	526.80	478.00	470.95	467.15	464.95	463.75
4	.2032-.2343	.2188	60220R1	551.35	502.50	495.40	491.60	489.40	488.25
4	.2344-.2812	.2500	60222R1	556.95	508.05	501.05	497.40	495.05	493.90
4	.2813-.3437	.3125	60224R1	594.60	545.95	538.70	535.00	532.85	531.55
4	.3438-.4062	.3750	60226R1	629.50	580.70	573.45	569.80	567.60	566.35
4	.4063-.4687	.4375	60282R1	686.80	637.95	630.95	627.20	624.85	623.75
4	.4688-.5312	.5000	60283R1	750.45	701.75	694.55	690.85	688.60	687.40

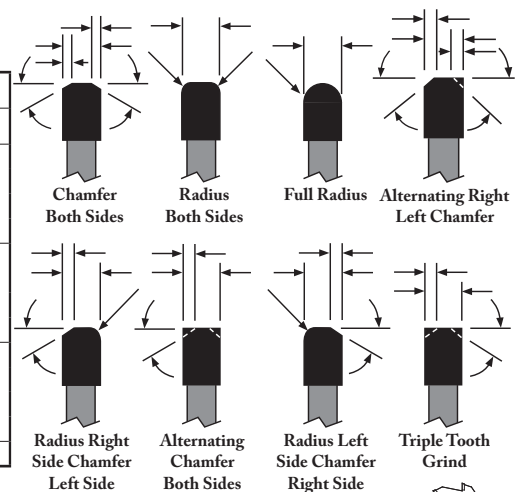
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADII, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
4	.0600-.0703	.0545	60260R2	\$558.85	\$505.00	\$497.25	\$493.15	\$490.60	\$489.30
4	.0704-.0859	.0701	60262R2	599.60	545.95	538.15	533.85	531.45	530.10
4	.0860-.1015	.0858	60264R2	558.85	505.00	497.25	493.15	490.60	489.30
4	.1016-.1171	.1014	60266R2	535.30	481.60	473.65	469.60	467.05	465.75
4	.1172-.1406	.1170	60214R2	508.35	454.50	446.65	442.50	440.05	438.75
4	.1407-.1718	.1562	60216R2	536.90	483.05	475.25	471.05	468.60	467.30
4	.1719-.2031	.1875	60218R2	538.50	484.60	476.70	472.80	470.25	468.90
4	.2032-.2343	.2188	60220R2	563.00	509.05	501.35	497.15	494.65	493.30
4	.2344-.2812	.2500	60222R2	568.50	514.75	507.00	502.80	500.30	499.05
4	.2813-.3437	.3125	60224R2	606.35	552.55	544.65	540.50	538.20	536.65
4	.3438-.4062	.3750	60226R2	641.05	587.30	579.40	575.30	572.90	571.60
4	.4063-.4687	.4375	60282R2	698.45	644.55	636.65	632.65	630.25	628.85
4	.4688-.5312	.5000	60283R2	762.10	708.25	700.45	696.35	693.95	692.60



5" CARBIDE TIPPED MILLING CUTTERS FOR STEEL

Width grinds between .0704" and .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60268D	\$681.80	\$647.05	\$640.65	\$637.15	\$635.10	\$587.50
5	.0860-.1015	.0848	60270D	686.00	651.15	644.70	641.30	639.20	591.65
5	.1016-.1171	.1004	60272D	646.20	611.50	605.05	601.55	599.50	552.05
5	.1172-.1406	.1160	60228D	573.00	538.25	531.60	528.25	526.20	478.70
5	.1407-.1718	.1562	60230D	584.00	549.25	542.70	539.30	537.25	489.65
5	.1719-.2031	.1875	60232D	618.45	583.65	577.10	573.65	571.65	524.10
5	.2032-.2343	.2188	60234D	633.40	598.65	591.90	588.55	586.60	539.00
5	.2344-.2812	.2500	60236D	656.50	621.70	615.15	611.85	609.80	562.25
5	.2813-.3437	.3125	60238D	705.65	670.95	664.40	661.00	658.85	611.45
5	.3438-.4062	.3750	60240D	755.05	720.25	713.55	710.25	708.15	660.65
5	.4063-.4687	.4375	60284D	828.50	793.60	787.10	783.60	781.65	734.10
5	.4688-.5312	.5000	60285D	910.00	875.10	868.65	865.20	863.30	815.65

- Cutter Notes (All cutters on page)**
- 24 Teeth
 - C-5 Carbide
 - 1° - 3° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 475 Brinell (50Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

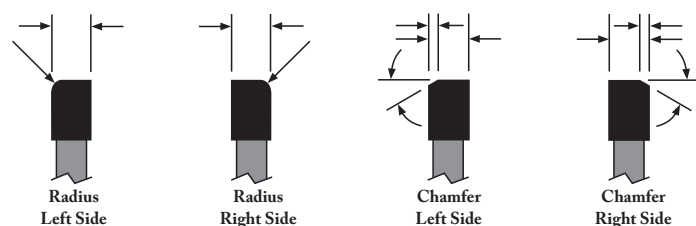
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ½ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: ½ - ½°
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60268R1	\$703.50	\$653.65	\$646.45	\$642.60	\$640.35	\$639.15
5	.0860-.1015	.0848	60270R1	707.65	657.90	650.60	646.80	644.50	643.25
5	.1016-.1171	.1004	60272R1	667.95	618.05	610.80	607.00	604.80	603.65
5	.1172-.1406	.1160	60228R1	594.55	544.75	537.50	533.75	531.45	530.25
5	.1407-.1718	.1562	60230R1	605.65	555.90	548.60	544.75	542.55	541.25
5	.1719-.2031	.1875	60232R1	640.05	590.25	583.05	579.25	577.00	575.75
5	.2032-.2343	.2188	60234R1	654.95	605.20	597.85	594.20	591.80	590.65
5	.2344-.2812	.2500	60236R1	678.25	628.40	621.10	617.30	615.00	613.75
5	.2813-.3437	.3125	60238R1	727.35	677.55	670.35	666.60	664.30	663.10
5	.3438-.4062	.3750	60240R1	776.75	726.80	719.45	715.70	713.40	712.30
5	.4063-.4687	.4375	60284R1	850.00	800.30	792.95	789.20	787.00	785.70
5	.4688-.5312	.5000	60285R1	931.55	881.80	874.45	870.75	868.50	867.20

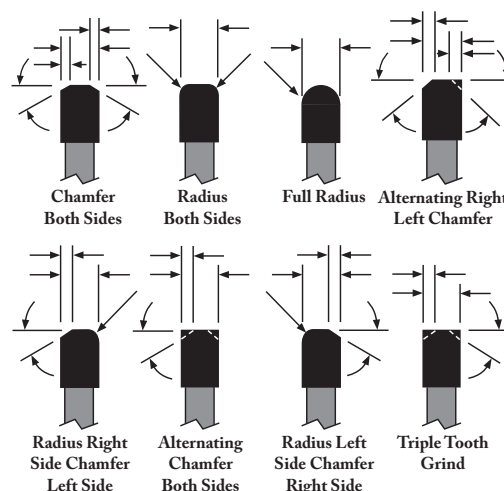
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADII, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
5	.0704-.0859	.0691	60268R2	\$726.65	\$666.85	\$658.25	\$653.65	\$651.00	\$649.50
5	.0860-.1015	.0848	60270R2	730.85	671.05	662.35	657.70	654.95	653.60
5	.1016-.1171	.1004	60272R2	691.10	631.30	622.60	618.00	615.30	613.90
5	.1172-.1406	.1160	60228R2	617.80	558.00	549.30	544.70	541.95	540.55
5	.1407-.1718	.1562	60230R2	628.85	569.15	560.35	555.75	553.05	551.60
5	.1719-.2031	.1875	60232R2	663.25	603.45	594.75	590.25	587.50	586.00
5	.2032-.2343	.2188	60234R2	678.25	618.45	609.80	605.15	602.40	600.90
5	.2344-.2812	.2500	60236R2	701.35	641.55	632.85	628.35	625.55	624.10
5	.2813-.3437	.3125	60238R2	750.60	690.85	682.10	677.50	674.80	673.30
5	.3438-.4062	.3750	60240R2	799.75	740.05	731.30	726.70	724.00	722.60
5	.4063-.4687	.4375	60284R2	873.20	813.60	804.75	800.15	797.40	796.00
5	.4688-.5312	.5000	60285R2	954.80	895.05	886.25	881.75	879.05	877.60



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

6" CARBIDE TIPPED MILLING CUTTERS FOR STEEL

Width grinds between .0704" up to .5312"



TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH - FINISHED TO DECIMAL WIDTH					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60274D	\$766.30	\$728.05	\$720.60	\$716.80	\$714.50	\$660.55
6	.0860-.1015	.0838	60276D	710.85	672.70	665.25	661.40	659.15	605.15
6	.1016-.1171	.0994	60278D	768.60	730.35	722.90	719.10	716.75	662.85
6	.1172-.1406	.1150	60242D	740.70	702.50	695.10	691.15	688.90	634.95
6	.1407-.1718	.1562	60244D	740.40	702.05	694.65	690.85	688.55	634.65
6	.1719-.2031	.1875	60246D	786.60	748.45	741.05	737.15	734.80	680.80
6	.2032-.2343	.2188	60248D	798.25	760.05	752.65	748.80	746.45	692.55
6	.2344-.2812	.2500	60250D	846.10	807.80	800.40	796.55	794.25	740.25
6	.2813-.3437	.3125	60252D	856.35	818.05	810.65	806.80	804.45	750.60
6	.3438-.4062	.3750	60254D	885.25	846.85	839.45	835.55	833.30	779.50
6	.4063-.4687	.4375	60286D	971.80	933.55	926.15	922.15	919.95	866.00
6	.4688-.5312	.5000	60287D	1067.95	1029.80	1022.40	1018.40	1016.20	962.25

- Cutter Notes (All cutters on page)**
- 28 Teeth
 - C-5 Carbide
 - 1° - 3° Positive Radial Rake
 - Width Tolerance: +.001"/-.000"
 - OD tolerance: +.0313"/-.000"
 - 1" Arbor hole +.001"/-.000"
 - ANSI standard keyway dimensions
 - Add 5% to grind the hub width thinner
 - Not designed to be used on heat treated materials greater than 475 Brinell (50Rc)
 - Add 5% to match OD's on cutter sets within .001"

Radius Notes

- Maximum radius on one side is .2656"
- Full radius and maximum radius on both sides is ½ the width of the cutter
- A non-tangent radii must be quoted

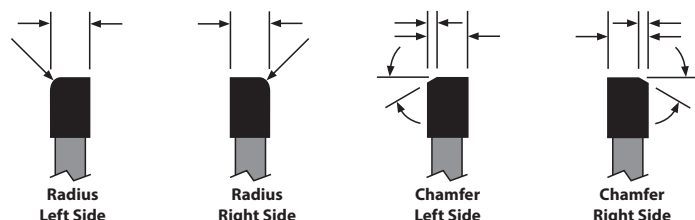
Chamfer Notes

- Chamfer Angles can range from 0° to 45°
- Chamfer is measured off of the OD
- Maximum chamfer is the LESSER of ½ the width of the cutter OR .2656" length of angle when measured across the OD
- Chamfer Angle Tolerance: $\pm \frac{1}{2}^\circ$
- Chamfers greater than 45° must be quoted

Corner Radius or Chamfer on **ONE** Side

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE EACH FINISHED WITH RADIUS OR CHAMFER					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60274R1	\$789.15	\$735.30	\$727.15	\$722.75	\$720.25	\$718.85
6	.0860-.1015	.0838	60276R1	733.65	679.95	671.75	667.40	664.75	663.40
6	.1016-.1171	.0994	60278R1	791.35	737.55	729.30	725.10	722.55	721.10
6	.1172-.1406	.1150	60242R1	763.45	709.70	701.50	697.20	694.60	693.20
6	.1407-.1718	.1562	60244R1	763.20	709.40	701.20	696.85	694.30	692.95
6	.1719-.2031	.1875	60246R1	809.40	755.60	747.40	743.00	740.55	739.20
6	.2032-.2343	.2188	60248R1	821.15	767.30	759.05	754.85	752.25	750.85
6	.2344-.2812	.2500	60250R1	868.90	815.05	806.80	802.60	800.00	798.60
6	.2813-.3437	.3125	60252R1	879.25	825.30	817.15	812.85	810.30	808.90
6	.3438-.4062	.3750	60254R1	907.90	854.10	845.90	841.65	839.05	837.60
6	.4063-.4687	.4375	60286R1	994.60	940.65	932.50	928.20	925.65	924.25
6	.4688-.5312	.5000	60287R1	1090.80	1036.90	1028.75	1024.45	1021.80	1020.55

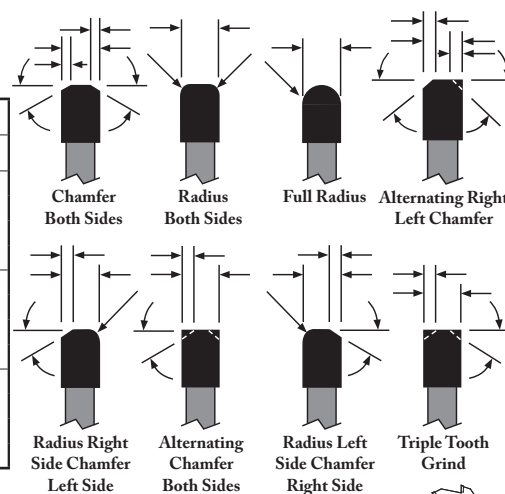
Specify side for radius or chamfer



Corner Radius or Chamfer on **BOTH** Sides OR a Full Radius

- Alternating Chamfers add 5%

TOOL DIAM.	FACE WIDTH RANGE	HUB WIDTH	1" ARBOR EDP NO.	PRICE WITH RADIUS, CHAMFERS OR COMBINATION					
				1 PC.	2 PC.	3 PC.	4 PC.	5 PC.	6 PC.
6	.0704-.0859	.0681	60274R2	\$813.85	\$749.70	\$739.80	\$734.80	\$731.75	\$730.10
6	.0860-.1015	.0838	60276R2	758.45	694.25	684.45	679.35	676.25	674.70
6	.1016-.1171	.0994	60278R2	816.10	751.90	742.15	736.95	734.05	732.30
6	.1172-.1406	.1150	60242R2	788.25	724.00	714.20	709.05	706.15	704.45
6	.1407-.1718	.1562	60244R2	787.90	723.75	714.00	708.80	705.80	704.15
6	.1719-.2031	.1875	60246R2	834.15	770.00	760.10	755.05	752.00	750.30
6	.2032-.2343	.2188	60248R2	845.85	781.65	771.80	766.70	763.75	762.05
6	.2344-.2812	.2500	60250R2	893.50	829.35	819.65	814.45	811.45	809.75
6	.2813-.3437	.3125	60252R2	903.90	839.70	829.90	824.80	821.80	820.10
6	.3438-.4062	.3750	60254R2	932.65	868.50	858.70	853.50	850.60	848.80
6	.4063-.4687	.4375	60286R2	1019.25	955.05	945.25	940.15	937.15	935.50
6	.4688-.5312	.5000	60287R2	1115.55	1051.30	1041.50	1036.40	1033.40	1031.70



SINGLE & DOUBLE ANGLE MILLING CUTTERS

CARBIDE TIPPED

List No. 9714 - Single 45° Right Angle

List No. 9716 - Single 45° Left Angle

List No. 9724 - Single 60° Right Angle

List No. 9726 - Single 60° Left Angle

(Left hand shown)

Use: For milling ratchet teeth or dovetails. Carbide tipped improves tool life.

Standards available in high speed steel online at www.supertoolinc.com.

TOOL DIAM.	WIDTH	ARBOR HOLE	NO. OF TEETH	RIGHT 45° LIST 9714 EDP NO.	LEFT 45° LIST 9716 EDP NO.	RIGHT 60° LIST 9724 EDP NO.	LEFT 60° LIST 9726 EDP NO.	ALL LIST PRICE
3	½	1	8	971408	971608	972408	972608	\$501.15
4	¾	1 ¼	10	971416	971616	972416	972616	620.15
4	¾	1 ¼	10	971424	971624	972424	972624	672.75

List No. 9740 - Double Angle - 45° Included

List No. 9742 - Double Angle - 60° Included

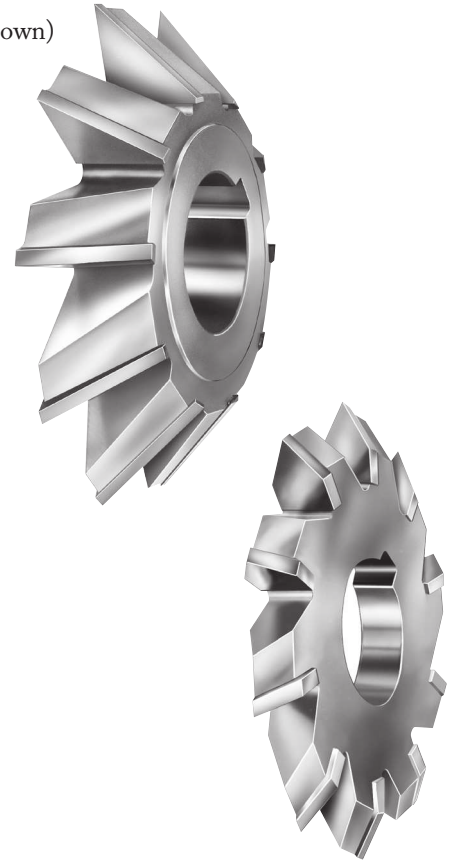
List No. 9744 - Double Angle - 90° Included

Use: For milling grooves, notches, serrations or threads.

Standards available in high speed steel online at www.supertoolinc.com.

TOOL DIAM.	WIDTH	ARBOR HOLE	NO. OF TEETH	45° LIST 9740 EDP NO.	60° LIST 9742 EDP NO.	90° LIST 9744 EDP NO.	ALL LIST PRICE
2 ¾	½	1	8	-	974207	974407	\$421.90
3	½	1	8	974008	974208	974408	526.15
4	½	1 ¼	10	974016	974216	974416	651.15
4	¾	1 ¼	10	974024	974224	974424	706.35
4	1	1 ¼	10	-	974232	974432	826.60

Tool diameter tolerance: +.015"/-.000". Arbor hole tolerance: +.001"/-.000".



SIDE MILLING CUTTERS - STAGGERED TOOTH

CARBIDE TIPPED

List No. 9547 - General Purpose

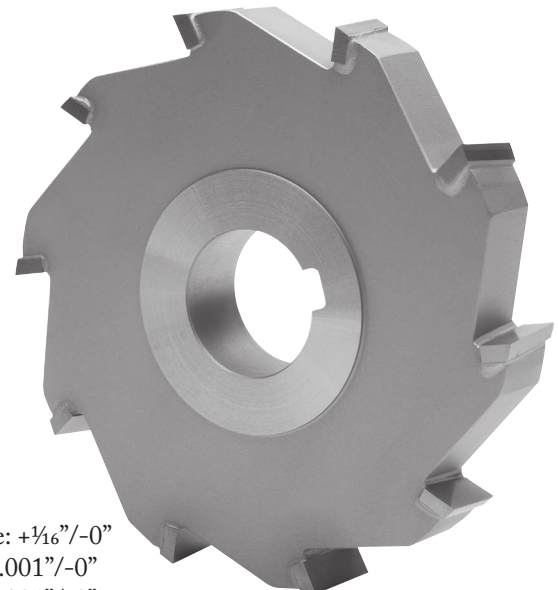
Use: For milling most types of materials including steels, stainless steels, cast irons, aluminums, and composite materials. Alternating right and left hand axial rake. (Herringbone Stagger). Carbide extends across the entire length of each tooth.

TOOL DIAM.	WIDTH		LIST 9547 GENERAL PURPOSE			
	FRAC.	DEC.	NO. OF TEETH	1"ARB. EDP NO.	1¼"ARB. EDP NO.	PRICE EACH
3	⅜	.1875	8	954710	-	\$475.35
3	¼	.2500	8	954712	-	486.65
3	⅜	.3125	8	954714	-	491.00
3	¾	.3750	8	954716	-	492.95
3	½	.5000	8	954718	-	508.30
3	⅝	.6250	8	954720	-	544.15
4	⅜	.1875	10	954722	-	516.45
4	¼	.2500	10	954724	-	522.90
4	⅜	.3125	10	954726	-	529.20
4	¾	.3750	10	954728	-	535.60
4	½	.5000	10	954730	-	543.10
4	⅝	.6250	10	954732	-	553.25
4	¾	.7500	10	954734	-	559.50
6	¼	.2500	14	-	954750	671.40
6	⅜	.3125	14	-	954752	676.50
6	¾	.3750	14	-	954754	677.40
6	½	.5000	14	-	954756	686.30
6	⅝	.6250	14	-	954758	690.20
6	¾	.7500	14	-	954760	712.70
6	1	1.0000	14	-	954762	763.05

Tool diameter tolerance: +.015"/-.0"

Face width tolerance: +.001"/-.0"

Arbor hole tolerance: +.001"/-.0"



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Made in the USA

JOBBER'S LENGTH DRILLS

CARBIDE TIPPED

List No. 5330 - 118° Standard Point

Use: The most popular tool for general purpose drilling.

List No. 5331 - 135° Split Point

Use: For drilling tough & abrasive materials.



Not recommended for use in steel.

TOOL DIAMETER			FLUTE LENGTH	OAL	118° POINT		135° POINT	
DEC.	FRAC.	WIRE LETTER			LIST 5330 EDP NO.	PRICE EACH	LIST 5331 EDP NO.	PRICE EACH
.0980		40*	1	2	50347	\$26.25	-	-
.0995		39*	1 ¼	2 ¼	50348	26.25	-	-
.1015		38*	1 ¼	2 ¼	50349	26.25	-	-
.1040		37*	1 ¼	2 ¼	50350	26.25	-	-
.1065		36*	1 ¼	2 ¼	50351	26.25	-	-
.1094	¾*		1 ¼	2 ¼	50352	26.25	-	-
.1100		35*	1 ¼	2 ¼	50353	26.25	-	-
.1110		34*	1 ¼	2 ¼	50354	26.25	-	-
.1130		33*	1 ¼	2 ¼	50355	26.25	-	-
.1160		32	1 ½	2 ¾	50356	21.20	-	-
.1200		31	1 ½	2 ¾	50357	19.20	-	-
.1250	⅛		1 ½	2 ¾	50358	19.65	50558	22.90
.1285		30	1 ½	2 ¾	50359	20.00	50559	23.30
.1360		29	1 ¾	2 ¾	50360	20.75	50560	23.95
.1405		28	1 ¾	2 ¾	50361	20.90	50561	24.40
.1406	¼		1 ¾	2 ¾	50362	21.20	50562	24.75
.1440		27	1 ¾	3	50363	21.50	50563	24.90
.1470		26	1 ¾	3	50364	19.90	50564	23.30
.1495		25	1 ¾	3	50365	19.90	50565	23.30
.1520		24	2	3 ½	50366	21.50	50566	24.90
.1540		23	2	3 ½	50367	20.90	50567	24.40
.1562	⅝		2	3 ½	50368	20.80	50568	24.40
.1570		22	2	3 ½	50369	23.00	50569	27.00
.1590		21	2 ⅛	3 ¾	50370	22.15	50570	25.80
.1610		20	2 ⅛	3 ¾	50371	22.70	50571	26.25
.1660		19	2 ⅛	3 ¾	50372	22.70	50572	26.25
.1695		18	2 ⅛	3 ¾	50373	22.70	50573	26.25
.1719	1¼		2 ⅛	3 ¾	50374	22.70	50574	26.25
.1730		17	2 ¾	3 ¾	50375	22.70	50575	26.25
.1770		16	2 ¾	3 ¾	50376	22.15	50576	25.80
.1800		15	2 ¾	3 ¾	50377	23.00	50577	27.00
.1820		14	2 ¾	3 ¾	50378	22.15	50578	25.80
.1850		13	2 ¾	3 ½	50379	24.40	50579	25.80
.1875	¾		2 ¾	3 ½	50380	22.15	50580	25.80
.1890		12	2 ¾	3 ½	50381	25.55	50581	27.00
.1910		11	2 ¾	3 ½	50382	23.55	50582	27.20
.1935		10	2 ¾	3 ½	50383	23.00	50583	27.00

TOOL DIAMETER			FLUTE LENGTH	OAL	118° POINT		135° POINT	
DEC.	FRAC.	WIRE LETTER			LIST 5330 EDP NO.	PRICE EACH	LIST 5331 EDP NO.	PRICE EACH
.1960		9	2 ⅞	3 ¾	50384	\$23.55	50584	\$27.20
.1990		8	2 ⅞	3 ¾	50385	23.55	50585	27.20
.2010		7	2 ⅞	3 ¾	50386	23.55	50586	27.20
.2031	1¾		2 ⅞	3 ¾	50387	24.35	50587	28.00
.2040		6	2 ½	3 ¾	50388	24.10	50588	27.95
.2055		5	2 ½	3 ¾	50389	24.35	50589	27.20
.2090		4	2 ½	3 ¾	50390	24.10	50590	27.95
.2130		3	2 ½	3 ¾	50391	24.35	50591	27.20
.2188	⅞		2 ½	3 ¾	50392	24.35	50592	28.00
.2210		2	2 ½	3 ¾	50393	25.35	50593	29.30
.2280		1	2 ½	3 ¾	50394	24.85	50594	28.85
.2344	1½		2 ½	3 ¾	50396	26.10	50596	30.40
.2500		E	2 ¾	4	50401	26.10	50601	30.40
.2656	¼		2 ¾	4 ⅛	50404	29.10	50604	33.30
.2812	⅜		2 ⅝	4 ¼	50409	30.90	50609	35.65
.2969	1¼		3 ⅛	4 ¾	50412	34.15	50612	39.50
.3125	⅝		3 ⅛	4 ½	50414	33.40	50614	38.70
.3281	2¼		3 ⅛	4 ¾	50417	35.40	50617	41.10
.3438	1½		3 ⅛	4 ¾	50420	35.40	50620	41.10
.3594	2¾		3 ½	4 ¾	50423	37.70	50623	43.80
.3750	¾		3 ¾	5	50425	37.70	50625	43.80
.3906	2½		3 ¾	5 ½	50428	40.95	50628	47.70
.4062	1½		3 ¾	5 ¼	50431	40.95	50631	47.70
.4219	2¼		3 ⅝	5 ¾	50433	44.55	50633	51.75
.4375	⅞		4 ⅛	5 ½	50434	44.55	50634	51.75
.4531	2¾		4 ⅛	5 ¾	50435	51.30	50635	59.35
.4688	1½		4 ⅛	5 ¾	50436	50.05	50636	58.00
.4844	3¼		4 ¾	5 ¾	50437	56.10	50637	64.95
.5000	½		4 ½	6	50438	61.55	50638	64.95
.5312	1½		4 ⅝	6 ¾	50440	80.20	50640	93.20
.5625	⅞		4 ⅝	6 ¾	50442	80.95	50642	94.00
.5938	1½		5 ⅛	7 ½	50444	86.85	50644	100.95
.6250	¾		5 ⅛	7 ½	50446	98.50	50646	114.20
.6562	2½		5 ⅛	7 ½	50448	100.20	50648	116.20
.6875	1½		5 ¾	7 ¾	50450	102.10	50650	118.45
.7188	2¾		5 ¾	7 ¾	50452	120.55	50652	133.90
.7500	¾		5 ⅝	8	50454	122.95	50654	136.75

DRILLS

Always use the shortest drill available for the application. A maximum of three times the diameter for depth of the hole is the general rule of thumb. If using a spot drill, use a point angle GREATER than the production drill point angle to prevent edge chipping.

DRILL DIAMETER RANGE (INCH)	DRILL DIAMETER TOLERANCES	INCLUDED ANGLE	LIP HEIGHT T.I.V.	ALL DIMENSIONAL & ELEMENT TOLERANCES CONFORM TO ONE OR MORE OF THE FOLLOWING STANDARDS, UNLESS OTHERWISE SHOWN ON SELECTED SIZES. • ASME/ANSI B94.11M • ISO - INTERNATIONAL STANDARDS ORGANIZATION • NAS 907 - NATIONAL AEROSPACE STANDARDS • USCTI - UNITED STATES CUTTING TOOL INSTITUTE
THRU ⅛"	+.0000"/-.0005"	+5°/-5°	.0020"	
OVER ⅛" THRU ¼"	+.0000"/-.0007"	+5°/-5°	.0030"	
OVER ¼" THRU ½"	+.0000"/-.0010"	+5°/-5°	.0040"	
OVER ½" THRU 1"	+.0000"/-.0012"	+3°/-3°	.0050"	
OVER 1" THRU 1¼"	+.0000"/-.0015"	+3°/-3°	.0060"	

AIRCRAFT EXTENSION DRILLS

CARBIDE TIPPED

List No. 9610 - 6" Overall Length - 135° Split Point

Use: Drilling where additional reach beyond jobbers or taper length drills is required.
Conforms with specification NAS 907. Not recommended for deep hole applications because of relatively short flute length.

List No. 9611 - 12" Overall Length - 135° Split Point

Use: Same as List No. 9610 except 12" overall length.



Not recommended for use in steel.

TOOL DIAMETER			FLUTE LENGTH	6" OVERALL LENGTH		12" OVERALL LENGTH	
DEC.	FRAC.	WIRE LETTER		LIST 9610 EDP NO.	PRICE EACH	LIST 9611 EDP NO.	PRICE EACH
.1250	1/8		1 5/8	61008	\$25.80	61108	\$30.40
.1285		30	1 5/8	61230	35.10	61330	41.25
.1360		29	1 3/4	61229	36.20	61329	42.65
.1405		28	1 3/4	61228	36.80	61328	43.40
.1406	3/64		1 3/4	61009	28.00	61109	32.90
.1440		27	1 7/8	61227	37.70	61327	44.20
.1470		26	1 7/8	61226	36.80	61326	43.40
.1495		25	1 7/8	61225	36.80	61325	43.40
.1520		24	2	61224	37.70	61324	44.20
.1540		23	2	61223	36.80	61323	43.40
.1562	5/32		2	61010	27.40	61110	32.35
.1570		22	2	61222	40.20	61322	47.35
.1590		21	2 1/8	61221	39.00	61321	46.00
.1610		20	2 1/8	61220	40.05	61320	47.00
.1660		19	2 1/8	61219	40.05	61319	47.00
.1695		18	2 1/8	61218	40.05	61318	47.00
.1719	11/64		2 1/8	61011	30.05	61111	35.20
.1730		17	2 3/16	61217	40.05	61317	47.00
.1770		16	2 3/16	61216	39.00	61316	46.00
.1800		15	2 3/16	61215	40.20	61315	47.35
.1820		14	2 3/16	61214	39.00	61314	46.00
.1850		13	2 5/16	61213	39.00	61313	46.00
.1875	3/16		2 5/16	61012	29.20	61112	34.50
.1890		12	2 5/16	61212	40.70	61312	47.80
.1910		11	2 5/16	61211	41.10	61311	48.55
.1935		10	2 7/16	61210	40.70	61310	47.80
.1960		9	2 7/16	61209	41.10	61309	48.55
.1990		8	2 7/16	61208	\$41.10	61308	\$48.55

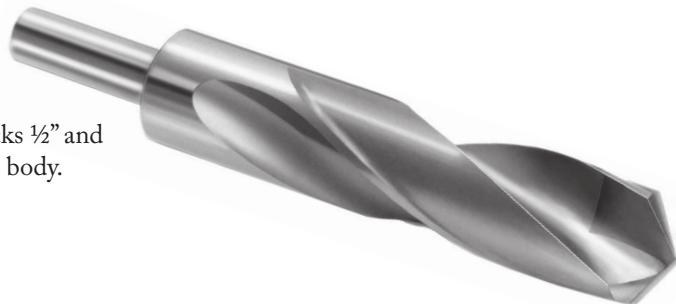
TOOL DIAMETER			FLUTE LENGTH	6" OVERALL LENGTH		12" OVERALL LENGTH	
DEC.	FRAC.	WIRE LETTER		LIST 9610 EDP NO.	PRICE EACH	LIST 9611 EDP NO.	PRICE EACH
.2010		7	2 7/16	61207	\$41.10	61307	\$48.55
.2031	13/64		2 7/16	61013	32.05	61113	37.70
.2040		6	2 1/2	61206	42.30	61306	49.85
.2055		5	2 1/2	61205	41.10	61305	48.55
.2090		4	2 1/2	61204	38.70	61304	45.55
.2130		3	2 1/2	61203	41.10	61303	48.55
.2188	7/32		2 1/2	61014	32.05	61114	37.70
.2210		2	2 5/8	61202	40.50	61302	47.65
.2280		1	2 5/8	61201	40.05	61301	47.00
.2344	15/64		2 5/8	61015	34.50	61115	40.55
.2500	1/4	E	2 3/4	61016	34.50	61116	40.55
.2656	17/64		2 7/8	61017	36.80	61117	43.40
.2812	9/32		2 15/16	61018	36.80	61118	43.40
.2969	19/64		3 1/16	61019	40.05	61119	47.00
.3125	5/16		3 3/16	61020	40.05	61120	47.00
.3281	21/64		3 5/16	61021	42.50	61121	50.05
.3438	11/32		3 7/16	61022	42.50	61122	50.05
.3594	23/64		3 1/2	61023	45.35	61123	53.15
.3750	3/8		3 5/8	61024	45.35	61124	53.15
.3906	25/64		3 3/4	61025	46.50	61125	54.80
.4062	13/32		3 7/8	61026	45.90	61126	53.95
.4219	27/64		3 15/16	61027	50.40	61127	59.40
.4375	7/16		4 1/16	61028	50.40	61128	59.40
.4531	29/64		4 3/16	61029	57.95	61129	68.25
.4688	15/32		4 5/16	61030	56.80	61130	66.80
.4844	31/64		4 3/8	61031	63.75	61131	75.00
.5000	1/2		4 1/2	61032	63.75	61132	75.00
-	-	-	-	-	-	-	-

SILVER & DEMING - REDUCED SHANK DRILLS

CARBIDE TIPPED

List No. 9616 - 118° Standard Point

Use: The 9616 series is designed for drilling cast iron, non-ferrous metals, and non-metals. ½" by 2¼" long shank allows larger diameter drills to be used in drill chucks ½" and larger. Precision ground to insure concentricity of tip and body.



Not recommended for use in steel.

TOOL DIAMETER		FLUTE LENGTH	OVERALL LENGTH	118° POINT	
DECIMAL	FRACTION			LIST 9616 EDP NO.	PRICE EACH
.5000	½	3 ½	6	961632	\$77.50
.5312	17/32	3 ½	6	961634	113.35
.5625	9/16	3 ½	6	961636	117.50
.5938	19/32	3 ½	6	961638	122.20
.6250	5/8	3 ½	6	961640	135.85
.6562	21/32	3 ½	6	961642	147.25
.6875	11/16	3 ½	6	961644	152.95
.7188	23/32	3 ½	6	961646	158.70
.7500	¾	3 ½	6	961648	166.30
.7812	25/32	3 ½	6	961650	183.30
.8125	13/16	3 ½	6	961652	183.80
.8438	27/32	3 ½	6	961654	183.80
.8750	7/8	3 ½	6	961656	191.25

Tolerances on page 31.

TOOL DIAMETER		FLUTE LENGTH	OVERALL LENGTH	118° POINT	
DECIMAL	FRACTION			LIST 9616 EDP NO.	PRICE EACH
.9062	29/32	3 ½	6	961658	\$195.80
.9375	15/16	3 ½	6	961660	197.80
.9688	31/32	3 ½	6	961662	204.45
1.0000	1	3 ½	6	961664	208.85
1.0312	1 1/32	3 ½	6	961666	201.55
1.0625	1 1/16	3 ½	6	961668	218.65
1.0938	1 3/32	3 ½	6	961670	223.80
1.1250	1 1/8	3 ½	6	961672	228.25
1.1562	1 5/32	3 ½	6	961674	277.00
1.1875	1 3/16	3 ½	6	961676	282.00
1.2188	1 7/32	3 ½	6	961678	296.05
1.2500	1 1/4	3 ½	6	961680	270.35
-	-	-	-	-	-

SPIRAL FLUTE COUNTERSINKS

CARBIDE TIPPED

List No. 433 - 60° Single Flute

List No. 434 - 82° Single Flute

List No. 435 - 90° Single Flute

List No. 428 - 100° Single Flute



Use: Right spiral flute minimizes chatter. Carbide tip brazed to hardened alloy steel body. Not recommended for portable tool use (use "three flutes" type).

List No. 430 - 60° Three Flutes

List No. 431 - 82° Three Flutes

List No. 432 - 90° Three Flutes

List No. 429 - 100° Three Flutes



Use: Right spiral flutes minimize chatter. Carbide tips brazed to hardened alloy steel body. Three flute design tends to center the tool in portable use and results in longer tool life.

TOOL DIAM.	SHANK DIAM.	MIN. CUT DIAM.	LIST 433 60° ANGLE EDP NO.	LIST 434 82° ANGLE EDP NO.	LIST 435 90° ANGLE EDP NO.	LIST 428 100° ANGLE EDP NO.	PRICE ALL TYPES
¼	3/16	1/16	43308	43408	43508	42808	\$79.10
3/8	¼	5/64	43312	43412	43512	42812	79.10
½	3/8	3/32	43316	43416	43516	42816	93.95
¾	½	1/8	43324	43424	43524	42824	117.50
1	½	1/8	43332	43432	43532	42832	153.45
1 ¼	½	5/32	43340	43440	43540	42840	195.30
1 ½	½	3/16	43348	43448	43548	42848	218.95

TOOL DIAM.	SHANK DIAM.	MIN. CUT DIAM.	LIST 430 60° ANGLE EDP NO.	LIST 431 82° ANGLE EDP NO.	LIST 432 90° ANGLE EDP NO.	LIST 429 100° ANGLE EDP NO.	PRICE ALL TYPES
¼	3/16	5/64	43008	43108	43208	42908	\$87.05
3/8	¼	5/64	43012	43112	43212	42912	87.05
½	3/8	5/64	43016	43116	43216	42916	103.35
¾	½	5/64	43020	43120	43220	42920	108.75
1	½	3/16	43024	43124	43224	42924	130.75
1 ¼	½	3/16	43028	43128	43228	42928	149.85
1 ½	½	1/4	43032	43132	43232	42932	163.45
1 ¾	½	5/16	43040	43140	43240	42940	203.30
2	½	3/8	43048	43148	43248	42948	237.10

CORE DRILLS - 4 FLUTE

CARBIDE TIPPED

List No. 5456 - Straight Shank - 118° Included Chamfer Angle

List No. 5454 - Taper Shank - 118° Included Chamfer Angle

Use: For enlarging cored or cast holes in cast iron and other similar abrasive materials.
Balanced four flute design enhances cutting action often eliminating final reaming or boring operations. For removal of up to 30% of hole diameter.



Diameter tolerance: +0"/-.001".

TOOL DIAMETER		MIN. CUT DIAM.	LENGTH			LIST 5456		LIST 5454		BOTH LIST PRICE	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.		FLT	CARB	OAL	SHANK DIAM.	EDP NO.	MORSE TAPER	EDP NO.			1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.5000	1/2	.350	4 3/8	3/4	8 1/4	1/2	53232	2	53032	\$124.85	.4721 - .5030	\$170.45	\$147.50	\$139.90	\$136.25	\$132.30	\$129.35
.5312	17/32	.372	4 3/8	3/4	8 1/4	17/32	53234	2	53034	125.30	.5031 - .5340	171.05	148.15	140.45	136.90	132.95	129.75
.5625	9/16	.394	4 3/8	3/4	8 1/4	9/16	53236	2	53036	125.30	.5341 - .5660	171.05	148.15	140.45	136.90	132.95	129.75
.5938	19/32	.416	4 3/8	3/4	8 1/4	19/32	53238	2	53038	131.60	.5661 - .5970	177.25	154.35	146.80	143.10	139.15	136.15
.6250	5/8	.438	4 3/8	3/4	8 1/4	5/8	53240	2	53040	131.60	.5971 - .6280	177.25	154.35	146.80	143.10	139.15	136.15
.6562	21/32	.459	4 3/8	3/4	8 1/4	21/32	53242	2	53042	133.10	.6281 - .6590	178.80	155.95	148.35	144.60	140.85	137.70
.6875	11/16	.481	4 3/8	7/8	8 1/4	11/16	53244	2	53044	134.35	.6591 - .6910	180.00	157.20	149.40	145.80	141.90	138.80
.7188	23/32	.503	4 3/8	7/8	8 1/4	23/32	53246	2	53046	134.35	.6911 - .7220	180.00	157.20	149.40	145.80	141.90	138.80
.7500	3/4	.525	4 3/8	7/8	8 1/4	3/4	53248	2	53048	134.35	.7221 - .7530	180.00	157.20	149.40	145.80	141.90	138.80
.7812	25/32	.547	4 3/8	7/8	8 1/4	25/32	53250	2	53050	137.25	.7531 - .7840	182.85	160.10	152.40	148.75	144.90	141.80
.8125	13/16	.569	4 7/8	7/8	9 1/2	13/16	53252	3	53052	141.10	.7841 - .8160	186.80	164.00	156.20	152.70	148.60	145.70
.8438	27/32	.591	4 7/8	7/8	9 1/2	27/32	53254	3	53054	148.60	.8161 - .8470	194.30	171.50	163.80	160.15	156.20	153.15
.8750	7/8	.612	4 7/8	7/8	9 1/2	7/8	53256	3	53056	148.60	.8471 - .8780	194.30	171.50	163.80	160.15	156.20	153.15
.9062	29/32	.634	4 7/8	7/8	9 1/2	29/32	53258	3	53058	149.50	.8781 - .9090	195.20	172.40	164.70	161.05	157.25	154.05
.9375	15/16	.656	4 7/8	7/8	9 1/2	15/16	53260	3	53060	149.50	.9091 - .9410	195.20	172.40	164.70	161.05	157.25	154.05
.9688	31/32	.678	4 7/8	7/8	9 1/2	31/32	53262	3	53062	155.20	.9411 - .9720	200.70	177.85	170.25	166.70	162.65	159.65
1.0000	1	.700	4 7/8	7/8	9 1/2	1	53264	3	53064	158.05	.9721 - 1.0030	203.70	180.85	173.05	169.50	165.55	162.50
1.0312	1 1/32	.722	4 7/8	7/8	9 1/2	1 1/32	53302	3	53102	159.40	1.0031 - 1.0340	204.95	182.00	174.50	170.75	166.95	163.80
1.0625	1 1/16	.744	4 7/8	7/8	9 1/2	1 1/16	53304	3	53104	161.55	1.0341 - 1.0660	207.25	184.30	176.70	173.00	169.05	166.05
1.0938	1 1/32	.766	4 7/8	1	10 1/2	1 1/32	53306	4	53106	188.20	1.0661 - 1.0970	233.75	210.95	203.30	199.65	195.75	192.65
1.1250	1 1/8	.787	4 7/8	1	10 1/2	1 1/8	53308	4	53108	188.20	1.0971 - 1.1280	233.75	210.95	203.30	199.65	195.75	192.65
1.1562	1 5/32	.809	4 7/8	1	10 1/2	1 5/32	53310	4	53110	205.40	1.1281 - 1.1590	251.05	228.25	220.60	216.95	213.05	209.90
1.1875	1 3/16	.831	4 7/8	1	10 1/2	1 3/16	53312	4	53112	211.40	1.1591 - 1.1905	257.00	234.30	226.45	222.90	219.00	215.95
1.2188	1 7/32	.853	4 7/8	1	10 1/2	1 7/32	53314	4	53114	212.15	1.1906 - 1.2220	257.80	234.95	227.40	223.65	219.65	216.65
1.2500	1 1/4	.875	4 7/8	1	10 1/2	1 1/4	53316	4	53116	213.05	1.2221 - 1.2530	258.70	235.80	228.20	224.50	220.60	217.45
1.2812	1 1/32	.897	4 7/8	1	10 1/2	1 1/32	53318	4	53118	228.25	1.2531 - 1.2840	273.90	250.95	243.35	239.65	235.80	232.65
1.3125	1 5/16	.919	4 7/8	1	10 1/2	1 5/16	53320	4	53120	234.55	1.2841 - 1.3150	280.25	257.40	249.65	246.10	242.15	239.00
1.3438	1 11/32	.940	4 7/8	1	10 1/2	1 11/32	53322	4	53122	239.50	1.3151 - 1.3470	285.15	262.30	254.60	250.95	247.15	243.90
1.3750	1 3/8	.962	4 7/8	1	10 1/2	1 3/8	53324	4	53124	245.35	1.3471 - 1.3780	290.95	268.10	260.40	256.80	252.90	249.70
1.4062	1 13/32	.984	4 7/8	1	10 1/2	1 13/32	53326	4	53126	250.85	1.3781 - 1.4090	296.55	273.75	266.00	262.35	258.45	255.40
1.4375	1 7/16	1.006	4 7/8	1	10 1/2	1 7/16	53328	4	53128	258.20	1.4091 - 1.4410	303.90	281.10	273.35	269.75	265.85	262.80
1.4688	1 15/32	1.025	4 7/8	1	10 1/2	1 15/32	53330	4	53130	265.90	1.4411 - 1.4720	311.45	288.70	281.10	277.40	273.40	270.45
1.5000	1 1/2	1.050	4 7/8	1	10 1/2	1 1/2	53332	4	53132	271.70	1.4721 - 1.5030	317.30	294.35	286.80	283.10	279.15	276.20

*Quantities of 15 or more: price of fractional size in same size range.



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 31.

CORE DRILLS - 4 FLUTE

METRIC

CARBIDE TIPPED

List No. 5456 - Straight Shank - 118° Included Chamfer Angle - Metric

List No. 5454 - Taper Shank - 118° Included Chamfer Angle - Metric

Use: For enlarging cored or cast holes in cast iron and other similar abrasive materials. Balanced four flute design enhances cutting action often eliminating final reaming or boring operations. For removal of up to 30% of hole diameter.



TOOL DIAMETER		MIN. CUT DIAM.	LENGTH			LIST 5456		LIST 5454		BOTH LIST PRICE	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	INCH		FLT	CARB	OAL	SHANK DIAM.	EDP NO.	MORSE TAPER	EDP NO.			1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
* 9.0	.3543	.262	3 1/2	5/8	6 3/4	3/8	5456090	1	5454090	\$139.90	8.815 - 9.601	\$174.25	\$151.50	\$143.70	\$140.00	\$136.25	\$133.05	\$128.65
*10.0	.3937	.284	3 5/8	5/8	7	13/32	5456100	1	5454100	139.90	9.602 - 10.389	174.25	151.50	143.70	140.00	136.25	133.05	128.65
*11.0	.4331	.306	3 3/4	3/4	7 1/4	7/16	5456110	1	5454110	139.90	10.390 - 11.201	174.25	151.50	143.70	140.00	136.25	133.05	128.65
* -	-	.328	4 1/8	3/4	7 1/2	15/32	5456119	1	5454119	-	11.202 - 11.989	174.25	151.50	143.70	140.00	136.25	133.05	128.65
12.0	.4724	.350	4 3/8	3/4	8 1/4	1/2	5456120	2	5454120	139.90	11.990 - 12.776	174.25	151.50	143.70	140.00	136.25	133.05	128.65
13.0	.5118	.372	4 3/8	3/4	8 1/4	17/32	5456130	2	5454130	140.45	12.777 - 13.564	174.70	152.10	144.40	140.75	136.90	133.70	129.35
14.0	.5512	.394	4 3/8	3/4	8 1/4	9/16	5456140	2	5454140	140.45	13.565 - 14.376	174.70	152.10	144.40	140.75	136.90	133.70	129.35
15.0	.5906	.416	4 3/8	3/4	8 1/4	19/32	5456150	2	5454150	146.80	14.377 - 15.164	181.10	158.30	150.65	146.95	143.10	139.90	135.50
-	-	.438	4 3/8	3/4	8 1/4	5/8	5456159	2	5454159	-	15.165 - 15.951	181.10	158.30	150.65	146.95	143.10	139.90	135.50
16.0	.6299	.459	4 3/8	3/4	8 1/4	21/32	5456160	2	5454160	148.35	15.952 - 16.739	182.70	159.85	152.20	148.50	144.60	141.35	137.15
17.0	.6693	.481	4 3/8	7/8	8 1/4	11/16	5456170	2	5454170	149.40	16.740 - 17.551	183.85	160.95	153.25	149.50	145.80	142.55	138.20
18.0	.7087	.503	4 3/8	7/8	8 1/4	23/32	5456180	2	5454180	149.40	17.552 - 18.339	183.85	160.95	153.25	149.50	145.80	142.55	138.20
19.0	.7480	.525	4 3/8	7/8	8 1/4	3/4	5456190	2	5454190	149.40	18.340 - 19.126	183.85	160.95	153.25	149.50	145.80	142.55	138.20
-	-	.547	4 3/8	7/8	8 1/4	25/32	5456199	2	5454199	-	19.127 - 19.914	186.80	164.10	156.50	152.70	148.75	145.70	141.20
20.0	.7874	.569	4 7/8	7/8	9 1/2	13/16	5456200	3	5454200	156.20	19.915 - 20.726	190.60	167.85	160.15	156.55	152.70	149.40	145.05
21.0	.8268	.591	4 7/8	7/8	9 1/2	27/32	5456210	3	5454210	163.80	20.727 - 21.514	198.20	175.35	167.75	164.10	160.15	157.00	152.70
22.0	.8661	.612	4 7/8	7/8	9 1/2	7/8	5456220	3	5454220	163.80	21.515 - 22.301	198.20	175.35	167.75	164.10	160.15	157.00	152.70
23.0	.9055	.634	4 7/8	7/8	9 1/2	29/32	5456230	3	5454230	164.70	22.302 - 23.089	199.05	176.35	168.75	164.85	161.05	158.00	153.55
-	-	.656	4 7/8	7/8	9 1/2	15/16	5456239	3	5454239	-	23.090 - 23.901	199.05	176.35	168.75	164.85	161.05	158.00	153.55
24.0	.9449	.678	4 7/8	7/8	9 1/2	31/32	5456240	3	5454240	170.25	23.902 - 24.689	204.60	181.80	174.20	170.45	166.70	163.35	159.00
25.0	.9843	.700	4 7/8	7/8	9 1/2	1	5456250	3	5454250	173.05	24.690 - 25.476	207.50	184.75	177.10	173.30	169.50	166.35	161.95
26.0	1.0236	.722	4 7/8	7/8	9 1/2	1 1/32	5456260	3	5454260	174.50	25.477 - 26.264	208.75	186.05	178.40	174.60	170.75	167.70	163.20
27.0	1.0630	.744	4 7/8	7/8	9 1/2	1 1/16	5456270	3	5454270	176.70	26.265 - 27.076	211.15	188.25	180.55	176.90	173.00	169.90	165.50
-	-	.766	4 7/8	1	10 1/2	1 1/32	5456279	4	5454279	-	27.077 - 27.864	237.65	214.85	207.25	203.40	199.65	196.45	192.15
28.0	1.1024	.787	4 7/8	1	10 1/2	1 1/8	5456280	4	5454280	203.30	27.865 - 28.651	237.65	214.85	207.25	203.40	199.65	196.45	192.15
29.0	1.1417	.809	4 7/8	1	10 1/2	1 3/32	5456290	4	5454290	220.60	28.652 - 29.439	254.90	232.20	224.50	220.80	216.95	213.70	209.25
30.0	1.1811	.831	4 7/8	1	10 1/2	1 3/16	5456300	4	5454300	226.45	29.440 - 30.239	260.90	238.05	230.55	226.60	222.90	219.65	215.35
31.0	1.2205	.853	4 7/8	1	10 1/2	1 7/32	5456310	4	5454310	227.40	30.240 - 31.039	261.65	238.80	231.25	227.50	223.65	220.35	216.05
-	-	.875	4 7/8	1	10 1/2	1 1/4	5456319	4	5454319	-	31.040 - 31.826	262.40	239.65	232.15	228.35	224.50	221.30	216.95
32.0	1.2598	.897	4 7/8	1	10 1/2	1 1/2	5456320	4	5454320	243.35	31.827 - 32.614	277.80	254.90	247.30	243.60	239.65	236.50	232.20
33.0	1.2992	.919	4 7/8	1	10 1/2	1 5/16	5456330	4	5454330	249.65	32.615 - 33.401	284.00	261.15	253.55	249.80	246.10	242.95	238.55
34.0	1.3386	.940	4 7/8	1	10 1/2	1 11/32	5456340	4	5454340	254.60	33.402 - 34.214	289.10	266.30	258.60	254.85	250.95	247.85	243.45
35.0	1.3780	.962	4 7/8	1	10 1/2	1 3/8	5456350	4	5454350	260.40	34.215 - 35.001	294.90	272.00	264.40	260.60	256.80	253.55	249.30
-	-	.984	4 7/8	1	10 1/2	1 13/32	5456359	4	5454359	-	35.002 - 35.789	300.35	277.70	269.85	266.30	262.35	259.25	254.85
36.0	1.4173	1.006	4 7/8	1	10 1/2	1 7/16	5456360	4	5454360	273.35	35.790 - 36.601	307.75	284.95	277.35	273.50	269.75	266.60	262.25
37.0	1.4567	1.025	4 7/8	1	10 1/2	1 15/32	5456370	4	5454370	281.10	36.602 - 37.389	315.40	292.65	284.95	281.30	277.40	274.20	269.80
38.0	1.4961	1.050	4 7/8	1	10 1/2	1 1/2	5456380	4	5454380	286.80	37.390 - 38.176	321.05	298.35	290.70	286.90	283.10	279.95	275.50

*3 Flutes

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35

Tolerances on page 31.

Made in the USA

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9804 - Straight Shank - Straight Flutes

Use: For general purpose reaming of all materials. .0005" increments, standard decimal diameter reamers. For fractional wire, letter, and metric sizes see page 40. For decimal sizes, left, and right spiral flute styles see page 41.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

STOCKED DECIMAL TOOL DIAMETERS .0280" THRU .1475"

DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH
.0280	98040280	\$29.75	.0520	98040520	\$29.05	.0760	98040760	\$29.15	.1000	98041000	\$32.35	.1240	98041240	\$34.95
.0285	98040285	31.45	.0525	98040525	30.60	.0765	98040765	30.60	.1005	98041005	32.35	.1245	98041245	34.95
.0290	98040290	31.45	.0530	98040530	30.60	.0770	98040770	30.60	.1010	98041010	32.35	.1250	98041250	30.60
.0295	98040295	29.75	.0535	98040535	30.60	.0775	98040775	30.60	.1015	98041015	30.85	.1255	98041255	34.95
.0300	98040300	31.45	.0540	98040540	30.60	.0780	98040780	30.60	.1020	98041020	32.65	.1260	98041260	33.20
.0305	98040305	31.45	.0545	98040545	30.60	.0785	98040785	29.20	.1025	98041025	32.80	.1265	98041265	35.05
.0310	98040310	29.75	.0550	98040550	29.05	.0790	98040790	30.75	.1030	98041030	32.80	.1270	98041270	35.05
.0315	98040315	29.75	.0555	98040555	30.60	.0795	98040795	30.75	.1035	98041035	32.80	.1275	98041275	35.05
.0320	98040320	29.75	.0560	98040560	30.60	.0800	98040800	30.75	.1040	98041040	32.80	.1280	98041280	33.25
.0325	98040325	31.45	.0565	98040565	30.60	.0805	98040805	30.75	.1045	98041045	32.80	.1285	98041285	33.25
.0330	98040330	29.75	.0570	98040570	30.60	.0810	98040810	29.20	.1050	98041050	32.80	.1290	98041290	35.05
.0335	98040335	29.75	.0575	98040575	30.60	.0815	98040815	30.85	.1055	98041055	32.80	.1295	98041295	35.05
.0340	98040340	30.35	.0580	98040580	30.60	.0820	98040820	29.40	.1060	98041060	32.80	.1300	98041300	35.05
.0345	98040345	30.35	.0585	98040585	30.60	.0825	98040825	30.85	.1065	98041065	31.15	.1305	98041305	35.05
.0350	98040350	28.90	.0590	98040590	26.70	.0830	98040830	30.85	.1070	98041070	33.25	.1310	98041310	35.05
.0355	98040355	30.35	.0595	98040595	28.15	.0835	98040835	30.85	.1075	98041075	33.25	.1315	98041315	35.05
.0360	98040360	28.90	.0600	98040600	30.45	.0840	98040840	30.85	.1080	98041080	33.25	.1320	98041320	35.05
.0365	98040365	30.35	.0605	98040605	30.45	.0845	98040845	30.85	.1085	98041085	33.70	.1325	98041325	35.05
.0370	98040370	28.90	.0610	98040610	28.85	.0850	98040850	30.85	.1090	98041090	33.70	.1330	98041330	35.05
.0375	98040375	30.35	.0615	98040615	30.45	.0855	98040855	30.85	.1095	98041095	33.70	.1335	98041335	35.05
.0380	98040380	28.90	.0620	98040620	30.45	.0860	98040860	29.40	.1100	98041100	32.10	.1340	98041340	35.05
.0385	98040385	30.35	.0625	98040625	26.50	.0865	98040865	30.85	.1105	98041105	34.20	.1345	98041345	35.05
.0390	98040390	28.90	.0630	98040630	28.85	.0870	98040870	30.85	.1110	98041110	32.65	.1350	98041350	35.05
.0395	98040395	30.35	.0635	98040635	28.85	.0875	98040875	30.85	.1115	98041115	34.85	.1355	98041355	35.05
.0400	98040400	28.90	.0640	98040640	30.45	.0880	98040880	30.85	.1120	98041120	34.85	.1360	98041360	33.25
.0405	98040405	30.35	.0645	98040645	30.45	.0885	98040885	30.85	.1125	98041125	34.85	.1365	98041365	35.05
.0410	98040410	28.90	.0650	98040650	30.60	.0890	98040890	29.85	.1130	98041130	33.05	.1370	98041370	35.05
.0415	98040415	30.35	.0655	98040655	30.60	.0895	98040895	31.60	.1135	98041135	34.85	.1375	98041375	35.05
.0420	98040420	28.90	.0660	98040660	30.60	.0900	98040900	31.60	.1140	98041140	34.85	.1380	98041380	35.70
.0425	98040425	30.35	.0665	98040665	30.60	.0905	98040905	31.60	.1145	98041145	34.85	.1385	98041385	35.70
.0430	98040430	28.90	.0670	98040670	29.15	.0910	98040910	31.75	.1150	98041150	34.85	.1390	98041390	35.70
.0435	98040435	30.60	.0675	98040675	30.60	.0915	98040915	31.75	.1155	98041155	34.85	.1395	98041395	35.70
.0440	98040440	30.60	.0680	98040680	30.60	.0920	98040920	31.75	.1160	98041160	33.05	.1400	98041400	35.70
.0445	98040445	30.60	.0685	98040685	30.60	.0925	98040925	29.95	.1165	98041165	34.85	.1405	98041405	33.70
.0450	98040450	30.60	.0690	98040690	30.60	.0930	98040930	31.75	.1170	98041170	34.85	.1410	98041410	37.05
.0455	98040455	30.60	.0695	98040695	30.60	.0935	98040935	29.95	.1175	98041175	34.85	.1415	98041415	37.05
.0460	98040460	30.60	.0700	98040700	29.15	.0940	98040940	31.75	.1180	98041180	34.85	.1420	98041420	37.05
.0465	98040465	29.05	.0705	98040705	30.60	.0945	98040945	29.95	.1185	98041185	34.95	.1425	98041425	37.05
.0470	98040470	30.60	.0710	98040710	30.60	.0950	98040950	32.10	.1190	98041190	34.95	.1430	98041430	37.05
.0475	98040475	30.60	.0715	98040715	30.60	.0955	98040955	32.10	.1195	98041195	34.95	.1435	98041435	37.05
.0480	98040480	30.60	.0720	98040720	30.60	.0960	98040960	30.60	.1200	98041200	33.20	.1440	98041440	35.20
.0485	98040485	30.60	.0725	98040725	30.60	.0965	98040965	30.60	.1205	98041205	34.95	.1445	98041445	37.20
.0490	98040490	30.60	.0730	98040730	29.15	.0970	98040970	32.10	.1210	98041210	34.95	.1450	98041450	37.25
.0495	98040495	30.60	.0735	98040735	30.60	.0975	98040975	32.10	.1215	98041215	34.95	.1455	98041455	37.25
.0500	98040500	30.60	.0740	98040740	30.60	.0980	98040980	30.60	.1220	98041220	33.20	.1460	98041460	38.25
.0505	98040505	30.60	.0745	98040745	30.60	.0985	98040985	32.35	.1225	98041225	34.95	.1465	98041465	38.25
.0510	98040510	30.60	.0750	98040750	30.60	.0990	98040990	32.35	.1230	98041230	34.95	.1470	98041470	36.30
.0515	98040515	30.60	.0755	98040755	30.60	.0995	98040995	30.85	.1235	98041235	34.95	.1475	98041475	38.25



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9804 - Straight Shank - Straight Flutes

Use: For general purpose reaming of all materials. .0005" increments, standard decimal diameter reamers. For fractional wire, letter, and metric sizes see page 40. For decimal sizes, left, and right spiral flute styles see page 41.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

STOCKED DECIMAL TOOL DIAMETERS .1480" THRU .2675"

DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH
.1480	98041480	\$38.35	.1720	98041720	\$44.45	.1960	98041960	\$49.40	.2200	98042200	\$60.20	.2440	98042440	\$64.25
.1485	98041485	38.35	.1725	98041725	44.45	.1965	98041965	51.75	.2205	98042205	57.10	.2445	98042445	64.25
.1490	98041490	38.35	.1730	98041730	42.30	.1970	98041970	52.35	.2210	98042210	57.10	.2450	98042450	64.25
.1495	98041495	36.45	.1735	98041735	45.10	.1975	98041975	52.35	.2215	98042215	62.60	.2455	98042455	64.25
.1500	98041500	38.35	.1740	98041740	45.10	.1980	98041980	52.35	.2220	98042220	62.60	.2460	98042460	61.20
.1505	98041505	38.35	.1745	98041745	45.10	.1985	98041985	52.35	.2225	98042225	62.60	.2465	98042465	64.25
.1510	98041510	38.35	.1750	98041750	45.10	.1990	98041990	49.65	.2230	98042230	62.60	.2470	98042470	64.25
.1515	98041515	38.35	.1755	98041755	45.50	.1995	98041995	53.85	.2235	98042235	62.60	.2475	98042475	64.25
.1520	98041520	36.45	.1760	98041760	45.50	.2000	98042000	53.85	.2240	98042240	62.60	.2480	9804063	61.20
.1525	98041525	40.00	.1765	98041765	45.50	.2005	98042005	53.85	.2245	98042245	62.60	.2485	98042485	64.25
.1530	98041530	40.00	.1770	98041770	43.30	.2010	98042010	51.25	.2250	98042250	62.60	.2490	98042490	64.25
.1535	9804039	38.00	.1775	98041775	45.70	.2015	98042015	53.85	.2255	98042255	62.60	.2495	98042495	64.25
.1540	98041540	38.00	.1780	98041780	45.70	.2020	98042020	53.85	.2260	98042260	62.60	.2500	980416	55.60
.1545	98041545	40.00	.1785	98041785	45.70	.2025	98042025	53.85	.2265	98042265	63.25	.2505	98042505	64.25
.1550	98041550	40.00	.1790	98041790	45.70	.2030	98042030	53.85	.2270	98042270	63.25	.2510	98042510	64.25
.1555	98041555	38.00	.1795	98041795	45.70	.2035	98042035	53.85	.2275	98042275	63.25	.2515	98042515	64.25
.1560	98041560	40.00	.1800	98041800	43.50	.2040	98042040	51.25	.2280	98042280	60.00	.2520	9804064	67.40
.1565	98041565	41.40	.1805	98041805	46.00	.2045	98042045	53.85	.2285	98042285	63.25	.2525	98042525	67.40
.1570	98041570	39.30	.1810	98041810	46.05	.2050	98042050	53.85	.2290	98042290	63.25	.2530	98042530	64.25
.1575	9804040	35.90	.1815	98041815	46.35	.2055	98042055	51.25	.2295	98042295	63.25	.2535	98042535	70.95
.1580	98041580	42.30	.1820	98041820	44.15	.2060	98042060	53.85	.2300	98042300	63.25	.2540	98042540	70.95
.1585	98041585	42.30	.1825	98041825	46.60	.2065	98042065	53.85	.2305	98042305	63.25	.2545	98042545	70.95
.1590	98041590	40.30	.1830	98041830	46.60	.2070	98042070	53.85	.2310	98042310	63.25	.2550	98042550	70.95
.1595	98041595	43.00	.1835	98041835	46.70	.2075	98042075	53.85	.2315	98042315	63.25	.2555	98042555	70.95
.1600	98041600	43.00	.1840	98041840	46.70	.2080	98042080	53.85	.2320	98042320	63.25	.2560	98042560	70.95
.1605	98041605	43.00	.1845	98041845	46.70	.2085	98042085	53.85	.2325	98042325	63.25	.2565	98042565	70.95
.1610	98041610	40.80	.1850	9804047	44.45	.2090	98042090	53.85	.2330	98042330	63.25	.2570	98042570	67.35
.1615	98041615	43.00	.1855	98041855	49.15	.2095	98042095	53.85	.2335	98042335	63.25	.2575	98042575	70.95
.1620	98041620	43.00	.1860	98041860	49.15	.2100	98042100	53.85	.2340	98042340	60.00	.2580	98042580	70.95
.1625	98041625	43.00	.1865	98041865	49.15	.2105	98042105	53.85	.2345	98042345	63.25	.2585	98042585	70.95
.1630	98041630	43.00	.1870	98041870	46.80	.2110	98042110	53.85	.2350	98042350	63.25	.2590	98042590	70.95
.1635	98041635	43.10	.1875	980412	42.60	.2115	98042115	53.85	.2355	98042355	63.25	.2595	98042595	70.95
.1640	98041640	43.00	.1880	98041880	49.30	.2120	98042120	53.85	.2360	98042360	63.25	.2600	98042600	70.95
.1645	98041645	43.00	.1885	98041885	49.30	.2125	98042125	53.85	.2365	98042365	64.25	.2605	98042605	70.95
.1650	98041650	43.00	.1890	9804048	46.80	.2130	98042130	51.25	.2370	98042370	64.25	.2610	98042610	67.35
.1655	98041655	43.00	.1895	98041895	49.80	.2135	98042135	53.85	.2375	98042375	64.25	.2615	98042615	70.95
.1660	98041660	41.05	.1900	98041900	49.80	.2140	98042140	53.85	.2380	98042380	61.20	.2620	98042620	70.95
.1665	98041665	43.50	.1905	98041905	49.80	.2145	98042145	53.85	.2385	98042385	64.25	.2625	98042625	70.95
.1670	98041670	43.50	.1910	98041910	47.40	.2150	98042150	53.85	.2390	98042390	64.25	.2630	98042630	70.95
.1675	98041675	43.50	.1915	98041915	49.90	.2155	98042155	53.85	.2395	98042395	64.25	.2635	98042635	70.95
.1680	98041680	43.50	.1920	98041920	49.90	.2160	98042160	53.85	.2400	98042400	64.25	.2640	98042640	70.95
.1685	98041685	43.50	.1925	98041925	49.90	.2165	9804055	46.80	.2405	98042405	64.25	.2645	98042645	70.95
.1690	98041690	43.50	.1930	98041930	50.45	.2170	98042170	53.85	.2410	98042410	64.25	.2650	98042650	70.95
.1695	98041695	41.45	.1935	98041935	47.70	.2175	98042175	53.85	.2415	98042415	64.25	.2655	98042655	70.95
.1700	98041700	44.45	.1940	98041940	50.45	.2180	98042180	53.85	.2420	98042420	61.20	.2660	98042660	67.35
.1705	98041705	44.45	.1945	98041945	50.45	.2185	98042185	51.25	.2425	98042425	64.25	.2665	98042665	70.95
.1710	98041710	44.45	.1950	98041950	51.75	.2190	98042190	60.20	.2430	98042430	64.25	.2670	98042670	70.95
.1715	98041715	44.45	.1955	98041955	51.75	.2195	98042195	60.20	.2435	98042435	64.25	.2675	98042675	70.95

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9804 - Straight Shank - Straight Flutes

Use: For general purpose reaming of all materials. .0005" increments, standard decimal diameter reamers. For fractional wire, letter, and metric sizes see page 40. For decimal sizes, left, and right spiral flute styles see page 41.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

STOCKED DECIMAL TOOL DIAMETERS .2680" THRU .3875"

DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH
.2680	98042680	\$70.95	.2920	98042920	\$83.15	.3160	98043160	\$86.50	.3400	98043400	\$105.50	.3640	98043640	\$108.15
.2685	98042685	70.95	.2925	98042925	83.15	.3165	98043165	92.05	.3405	98043405	105.50	.3645	98043645	108.15
.2690	98042690	70.95	.2930	98042930	83.15	.3170	98043170	92.05	.3410	98043410	105.50	.3650	98043650	108.15
.2695	98042695	70.95	.2935	98042935	83.15	.3175	98043175	92.05	.3415	98043415	105.50	.3655	98043655	108.15
.2700	98042700	70.95	.2940	98042940	83.15	.3180	98043180	92.05	.3420	98043420	105.50	.3660	98043660	108.15
.2705	98042705	70.95	.2945	98042945	83.15	.3185	98043185	92.05	.3425	98043425	105.50	.3665	98043665	108.15
.2710	98042710	70.95	.2950	98042950	79.05	.3190	98043190	92.05	.3430	98043430	105.50	.3670	98043670	108.15
.2715	98042715	70.95	.2955	98042955	83.15	.3195	98043195	92.05	.3435	98043435	105.50	.3675	98043675	108.15
.2720	98042720	67.35	.2960	98042960	83.15	.3200	98043200	92.05	.3440	98043440	105.50	.3680	98043680	102.85
.2725	98042725	70.95	.2965	98042965	83.15	.3205	98043205	92.05	.3445	98043445	105.50	.3685	98043685	109.25
.2730	98042730	70.95	.2970	98042970	86.50	.3210	98043210	92.05	.3450	98043450	105.50	.3690	98043690	109.45
.2735	98042735	70.95	.2975	98042975	86.50	.3215	98043215	92.05	.3455	98043455	105.50	.3695	98043695	109.25
.2740	98042740	70.95	.2980	98042980	86.50	.3220	98043220	92.05	.3460	98043460	105.50	.3700	98043700	109.25
.2745	98042745	70.95	.2985	98042985	86.50	.3225	98043225	92.05	.3465	98043465	105.50	.3705	98043705	109.25
.2750	98042750	70.95	.2990	98042990	86.50	.3230	98043230	87.55	.3470	98043470	105.50	.3710	98043710	109.25
.2755	98042755	70.95	.2995	98042995	86.50	.3235	98043235	92.05	.3475	98043475	105.50	.3715	98043715	109.25
.2760	98042760	70.95	.3000	98043000	86.50	.3240	98043240	105.50	.3480	98043480	100.65	.3720	98043720	109.25
.2765	98042765	70.95	.3005	98043005	86.50	.3245	98043245	105.50	.3485	98043485	105.75	.3725	98043725	109.25
.2770	98042770	67.35	.3010	98043010	86.50	.3250	98043250	105.50	.3490	98043490	105.75	.3730	98043730	109.25
.2775	98042775	70.95	.3015	98043015	86.50	.3255	98043255	105.50	.3495	98043495	105.75	.3735	98043735	109.25
.2780	98042780	76.80	.3020	98043020	82.35	.3260	98043260	105.50	.3500	98043500	105.75	.3740	98043740	103.45
.2785	98042785	76.80	.3025	98043025	86.50	.3265	98043265	105.50	.3505	98043505	105.75	.3745	98043745	109.25
.2790	98042790	76.80	.3030	98043030	86.50	.3270	98043270	105.50	.3510	98043510	105.75	.3750	98043750	94.70
.2795	9804071	76.70	.3035	98043035	86.50	.3275	98043275	105.50	.3515	98043515	105.75	.3755	98043755	129.50
.2800	98042800	76.80	.3040	98043040	86.50	.3280	98043280	105.50	.3520	98043520	105.75	.3760	98043760	129.60
.2805	98042805	76.80	.3045	98043045	86.50	.3285	98043285	105.50	.3525	98043525	105.75	.3765	98043765	129.50
.2810	98042810	73.00	.3050	98043050	86.50	.3290	98043290	105.50	.3530	98043530	105.75	.3770	98043770	122.90
.2815	98042815	76.80	.3055	98043055	86.50	.3295	98043295	105.50	.3535	98043535	105.75	.3775	98043775	129.50
.2820	98042820	83.15	.3060	98043060	86.50	.3300	98043300	105.50	.3540	98043540	105.75	.3780	9804096	129.15
.2825	98042825	83.15	.3065	98043065	86.50	.3305	98043305	105.50	.3545	98043545	105.75	.3785	98043785	129.50
.2830	98042830	83.15	.3070	98043070	86.50	.3310	98043310	101.85	.3550	98043550	106.20	.3790	98043790	129.50
.2835	9804072	82.90	.3075	98043075	86.50	.3315	98043315	105.50	.3555	98043555	106.20	.3795	98043795	129.50
.2840	98042840	83.15	.3080	98043080	86.50	.3320	98043320	100.15	.3560	98043560	106.20	.3800	98043800	129.50
.2845	98042845	83.15	.3085	98043085	86.50	.3325	98043325	105.50	.3565	98043565	106.20	.3805	98043805	129.50
.2850	98042850	83.15	.3090	98043090	86.50	.3330	98043330	105.50	.3570	98043570	106.20	.3810	98043810	129.50
.2855	98042855	83.15	.3095	98043095	86.50	.3335	98043335	105.50	.3575	98043575	106.20	.3815	98043815	129.50
.2860	98042860	83.15	.3100	98043100	86.50	.3340	98043340	105.50	.3580	98043580	101.10	.3820	98043820	129.50
.2865	98042865	83.15	.3105	98043105	86.50	.3345	98043345	105.50	.3585	98043585	106.20	.3825	98043825	129.50
.2870	98042870	83.15	.3110	9804079	86.50	.3350	98043350	105.50	.3590	98043590	107.05	.3830	98043830	129.50
.2875	98042875	83.15	.3115	98043115	86.50	.3355	98043355	105.50	.3595	98043595	108.15	.3835	98043835	129.50
.2880	98042880	83.15	.3120	98043120	86.50	.3360	98043360	105.50	.3600	98043600	108.15	.3840	98043840	129.50
.2885	98042885	83.15	.3125	980420	75.30	.3365	98043365	105.50	.3605	98043605	108.15	.3845	98043845	129.50
.2890	98042890	83.15	.3130	98043130	86.50	.3370	98043370	105.50	.3610	98043610	108.15	.3850	98043850	129.50
.2895	98042895	83.15	.3135	98043135	86.50	.3375	98043375	105.50	.3615	98043615	108.15	.3855	98043855	129.50
.2900	98042900	79.05	.3140	98043140	86.50	.3380	98043380	105.50	.3620	98043620	108.15	.3860	98043860	123.25
.2905	98042905	83.15	.3145	98043145	86.50	.3385	98043385	105.50	.3625	98043625	108.15	.3865	98043865	136.10
.2910	98042910	83.15	.3150	9804080	75.30	.3390	98043390	100.15	.3630	98043630	108.15	.3870	98043870	136.10
.2915	98042915	83.15	.3155	98043155	86.50	.3395	98043395	105.50	.3635	98043635	108.15	.3875	98043875	136.10



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9804 - Straight Shank - Straight Flutes

Use: For general purpose reaming of all materials. .0005" increments, standard decimal diameter reamers. For fractional wire, letter, and metric sizes see page 40. For decimal sizes, left, and right spiral flute styles see page 41.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

STOCKED DECIMAL TOOL DIAMETERS .3880" THRU .5150"

DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH	DEC. SIZE	EDP NO.	PRICE EACH
.3880	98043880	\$136.10	.4135	98044135	\$139.75	.4390	98044390	\$153.05	.4645	98044645	\$153.05	.4900	98044900	\$166.50
.3885	98043885	136.10	.4140	98044140	139.75	.4395	98044395	153.05	.4650	98044650	153.05	.4905	98044905	166.50
.3890	98043890	136.10	.4145	98044145	139.75	.4400	98044400	153.05	.4655	98044655	153.05	.4910	98044910	166.50
.3895	98043895	136.10	.4150	98044150	139.75	.4405	98044405	153.05	.4660	98044660	153.05	.4915	98044915	166.50
.3900	98043900	136.10	.4155	98044155	139.75	.4410	98044410	153.05	.4665	98044665	153.05	.4920	98044920	166.50
.3905	98043905	136.10	.4160	98044160	139.75	.4415	98044415	153.05	.4670	98044670	153.05	.4925	98044925	166.50
.3910	98043910	136.10	.4165	98044165	139.75	.4420	98044420	153.05	.4675	98044675	153.05	.4930	98044930	166.50
.3915	98043915	136.10	.4170	98044170	139.75	.4425	98044425	153.05	.4680	98044680	153.05	.4935	98044935	166.50
.3920	98043920	136.10	.4175	98044175	139.75	.4430	98044430	153.05	.4685	98044685	153.05	.4940	98044940	166.50
.3925	98043925	136.10	.4180	98044180	139.75	.4435	98044435	153.05	.4690	98044690	153.05	.4945	98044945	166.50
.3930	98043930	136.10	.4185	98044185	139.75	.4440	98044440	153.05	.4695	98044695	153.05	.4950	98044950	166.50
.3935	98043935	136.10	.4190	98044190	139.75	.4445	98044445	153.05	.4700	98044700	153.05	.4955	98044955	166.50
.3940	98043940	136.10	.4195	98044195	139.75	.4450	98044450	153.05	.4705	98044705	153.05	.4960	98044960	166.50
.3945	98043945	136.10	.4200	98044200	139.75	.4455	98044455	153.05	.4710	98044710	153.05	.4965	98044965	166.50
.3950	98043950	136.10	.4205	98044205	139.75	.4460	98044460	153.05	.4715	98044715	153.05	.4970	98044970	166.50
.3955	98043955	136.10	.4210	98044210	139.75	.4465	98044465	153.05	.4720	98044720	153.05	.4975	98044975	166.50
.3960	98043960	136.10	.4215	98044215	139.75	.4470	98044470	153.05	.4725	98044725	166.50	.4980	98044980	166.50
.3965	98043965	136.10	.4220	98044220	139.75	.4475	98044475	153.05	.4730	98044730	166.50	.4985	98044985	166.50
.3970	98043970	129.60	.4225	98044225	139.75	.4480	98044480	153.05	.4735	98044735	166.50	.4990	98044990	166.50
.3975	98043975	136.10	.4230	98044230	139.75	.4485	98044485	153.05	.4740	98044740	166.50	.4995	98044995	157.45
.3980	98043980	136.10	.4235	98044235	139.75	.4490	98044490	153.05	.4745	98044745	166.50	.5000	980432	157.45
.3985	98043985	136.10	.4240	98044240	139.75	.4495	98044495	153.05	.4750	98044750	166.50	.5005	98045005	197.65
.3990	98043990	136.10	.4245	98044245	139.75	.4500	98044500	153.05	.4755	98044755	166.50	.5010	98045010	197.65
.3995	98043995	136.10	.4250	98044250	139.75	.4505	98044505	153.05	.4760	98044760	166.50	.5015	98045015	197.65
.4000	98044000	136.10	.4255	98044255	139.75	.4510	98044510	153.05	.4765	98044765	166.50	.5020	98045020	197.65
.4005	98044005	136.10	.4260	98044260	139.75	.4515	98044515	153.05	.4770	98044770	166.50	.5025	98045025	197.65
.4010	98044010	136.10	.4265	98044265	139.75	.4520	98044520	153.05	.4775	98044775	166.50	.5030	98045030	197.65
.4015	98044015	136.10	.4270	98044270	139.75	.4525	98044525	153.05	.4780	98044780	166.50	.5035	98045035	197.65
.4020	98044020	136.10	.4275	98044275	139.75	.4530	98044530	153.05	.4785	98044785	166.50	.5040	98045040	197.65
.4025	98044025	136.10	.4280	98044280	139.75	.4535	98044535	153.05	.4790	98044790	166.50	.5045	98045045	197.65
.4030	98044030	136.10	.4285	98044285	139.75	.4540	98044540	153.05	.4795	98044795	166.50	.5050	98045050	197.65
.4035	98044035	136.10	.4290	98044290	139.75	.4545	98044545	153.05	.4800	98044800	166.50	.5055	98045055	197.65
.4040	98044040	129.60	.4295	98044295	139.75	.4550	98044550	153.05	.4805	98044805	166.50	.5060	98045060	197.65
.4045	98044045	136.10	.4300	98044300	139.75	.4555	98044555	153.05	.4810	98044810	166.50	.5065	98045065	197.65
.4050	98044050	136.10	.4305	98044305	139.75	.4560	98044560	153.05	.4815	98044815	166.50	.5070	98045070	197.65
.4055	9804103	136.10	.4310	98044310	139.75	.4565	98044565	153.05	.4820	98044820	166.50	.5075	98045075	197.65
.4060	98044060	136.10	.4315	98044315	139.75	.4570	98044570	153.05	.4825	98044825	166.50	.5080	98045080	197.65
.4065	98044065	136.10	.4320	98044320	139.75	.4575	98044575	153.05	.4830	98044830	166.50	.5085	98045085	197.65
.4070	98044070	136.10	.4325	98044325	139.75	.4580	98044580	153.05	.4835	98044835	166.50	.5090	98045090	197.65
.4075	98044075	136.10	.4330	98044330	139.75	.4585	98044585	153.05	.4840	98044840	166.50	.5095	98045095	197.65
.4080	98044080	136.10	.4335	98044335	139.75	.4590	98044590	153.05	.4845	98044845	166.50	.5100	98045100	197.65
.4085	98044085	136.10	.4340	98044340	139.75	.4595	98044595	153.05	.4850	98044850	166.50	.5105	98045105	197.65
.4090	98044090	136.10	.4345	98044345	139.75	.4600	98044600	153.05	.4855	98044855	166.50	.5110	98045110	197.65
.4095	98044095	136.10	.4350	98044350	139.75	.4605	98044605	153.05	.4860	98044860	166.50	.5115	98045115	197.65
.4100	98044100	136.10	.4355	98044355	139.75	.4610	98044610	153.05	.4865	98044865	166.50	.5120	98045120	197.65
.4105	98044105	136.10	.4360	98044360	139.75	.4615	98044615	153.05	.4870	98044870	166.50	.5125	98045125	197.65
.4110	98044110	136.10	.4365	98044365	139.75	.4620	98044620	153.05	.4875	98044875	166.50	.5130	98045130	197.65
.4115	98044115	136.10	.4370	9804111	139.75	.4625	98044625	153.05	.4880	98044880	166.50	.5135	98045135	197.65
.4120	98044120	136.10	.4375	980428	133.00	.4630	98044630	153.05	.4885	98044885	166.50	.5140	98045140	197.65
.4125	98044125	136.10	.4380	98044380	153.05	.4635	98044635	153.05	.4890	98044890	166.50	.5145	98045145	197.65
.4130	98044130	129.60	.4385	98044385	153.05	.4640	98044640	153.05	.4895	98044895	166.50	.5150	98045150	197.65

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9804 - Straight Shank - Straight Flutes

For dimensional details for .0591" and above, see types 9802 and 9803 on page 41.

For additional solid carbide reamer sizes (including wire #52-70), see pages 36-39.

Call for standard sizes up to 13mm.



TOOL DIAMETER				EDP NO.	PRICE EACH
DEC.	FRACTIONAL	WIRE LTR.	mm		
*.0312	1/32			980402	\$27.45
*.0394			1.0	9804010	26.25
*.0433			1.1	9804011	28.90
*.0469	3/64			980403	29.05
*.0472			1.2	9804012	29.05
*.0512			1.3	9804013	29.05
*.0551			1.4	9804014	29.05
.0591			1.5	9804015	25.75
.0625	1/16			980404	26.50
.0630			1.6	9804016	28.85
.0669			1.7	9804017	29.15
.0670		51		98040670	29.15
.0700		50		98040700	29.15
.0709			1.8	9804018	29.15
.0730		49		98040730	29.15
.0748			1.9	9804019	29.15
.0760		48		98040760	29.15
.0781	5/64			980405	29.15
.0785		47		98040785	29.20
.0787			2.0	9804020	26.90
.0810		46		98040810	29.20
.0820		45		98040820	29.40
.0827			2.1	9804021	29.40
.0860		44		98040860	29.40
.0866			2.2	9804022	29.40
.0890		43		98040890	29.85
.0906			2.3	9804023	29.85
.0935		42		98040935	29.95
.0938	3/32			980406	27.65
.0945			2.4	9804024	29.95
.0960		41		98040960	30.60
.0980		40		98040980	30.60
.0984			2.5	9804025	27.90
.0995		39		98040995	30.85
.1015		38		98041015	30.85
.1024			2.6	9804026	30.95
.1040		37		98041040	32.80
.1063			2.7	9804027	31.15
.1065		36		98041065	31.15
.1094	7/64			980407	32.10
.1100		35		98041100	32.10
.1102			2.8	9804028	32.10
.1110		34		98041110	32.65
.1130		33		98041130	33.05
.1142			2.9	9804029	33.05
.1160		32		98041160	33.05
.1181			3.0	9804030	30.60
.1200		31		98041200	33.20
.1220			3.1	9804031	33.20
.1250	1/8			980408	30.60
.1260			3.2	9804032	33.20
.1285		30		98041285	33.25
.1299			3.3	9804033	33.25
.1339			3.4	9804034	33.25
.1360		29		98041360	33.25
.1378			3.5	9804035	30.95
.1405		28		98041405	33.70
.1406	3/64			980409	34.85
.1417			3.6	9804036	35.20
.1440		27		98041440	35.20

TOOL DIAMETER				EDP NO.	PRICE EACH
DEC.	FRACTIONAL	WIRE LTR.	mm		
.1457			3.7	9804037	\$35.70
.1470		26		98041470	36.30
.1495		25		98041495	36.45
.1496			3.8	9804038	38.35
.1520		24		98041520	36.45
.1535			3.9	9804039	38.00
.1540		23		98041540	38.00
.1562	5/32			980410	35.90
.1570		22		98041570	39.30
.1575			4.0	9804040	35.90
.1590		21		98041590	40.30
.1610		20		98041610	40.80
.1614			4.1	9804041	40.80
.1654			4.2	9804042	41.05
.1660		19		98041660	41.05
.1693			4.3	9804043	41.45
.1695		18		98041695	41.45
.1719	11/64			980411	42.30
.1730		17		98041730	42.30
.1732			4.4	9804044	42.30
.1770		16		98041770	43.30
.1772			4.5	9804045	39.30
.1800		15		98041800	43.50
.1811			4.6	9804046	44.05
.1820		14		98041820	44.15
.1850		13		9804047	44.45
.1875	3/16			980412	42.60
.1890		12		9804048	46.80
.1910		11		98041910	47.40
.1929			4.9	9804049	47.40
.1935		10		98041935	47.70
.1960		9		98041960	49.40
.1969			5.0	9804050	45.10
.1990		8		98041990	49.65
.2008			5.1	9804051	51.25
.2010		7		98042010	51.25
.2031	13/64			980413	51.25
.2040		6		98042040	51.25
.2047			5.2	9804052	51.25
.2055		5		98042055	51.25
.2087			5.3	9804053	51.25
.2090		4		98042090	53.85
.2126			5.4	9804054	51.25
.2130		3		98042130	51.25
.2165			5.5	9804055	46.80
.2188	7/32			980414	46.70
.2205			5.6	9804056	57.10
.2210		2		98042210	57.10
.2244			5.7	9804057	59.30
.2280		1		98042280	60.00
.2283			5.8	9804058	60.00
.2323			5.9	9804059	60.00
.2340		A		98042340	60.00
.2344	15/64			980415	60.00
.2362			6.0	9804060	55.60
.2380		B		98042380	61.20
.2402			6.1	9804061	61.20
.2420		C		98042420	61.20
.2441			6.2	9804062	61.20
.2460		D		98042460	61.20

TOOL DIAMETER				EDP NO.	PRICE EACH
DEC.	FRACTIONAL	WIRE LTR.	mm		
.2480			6.3	9804063	\$61.20
.2500	1/4	E		980416	55.60
.2520			6.4	9804064	67.40
.2559			6.5	9804065	67.35
.2570		F		98042570	67.35
.2598			6.6	9804066	70.70
.2610		G		98042610	67.35
.2638			6.7	9804067	70.70
.2656	17/64			980417	67.35
.2660		H		98042660	67.35
.2677			6.8	9804068	70.70
.2717			6.9	9804069	70.70
.2720		I		98042720	67.35
.2756			7.0	9804070	61.45
.2770		J		98042770	67.35
.2795			7.1	9804071	76.70
.2810		K		98042810	73.00
.2812	3/8			980418	66.80
.2835			7.2	9804072	82.90
.2874			7.3	9804073	82.90
.2900		L		98042900	79.05
.2913			7.4	9804074	82.90
.2950		M		98042950	79.05
.2953			7.5	9804075	79.05
.2969	19/64			980419	79.05
.2992			7.6	9804076	86.50
.3020		N		98043020	82.35
.3031			7.7	9804077	86.50
.3071			7.8	9804078	86.50
.3110			7.9	9804079	86.50
.3125	5/16			980420	75.30
.3150			8.0	9804080	75.30
.3160		O		98043160	86.50
.3189			8.1	9804081	92.00
.3228			8.2	9804082	92.00
.3230		P		98043230	87.55
.3268			8.3	9804083	105.25
.3281	21/64			980421	100.15
.3307			8.4	9804084	105.25
.3320		Q		98043320	100.15
.3346			8.5	9804085	100.15
.3386			8.6	9804086	105.25
.3390		R		98043390	100.15
.3425			8.7	9804087	105.25
.3438	11/32			980422	100.15
.3465			8.8	9804088	105.75
.3480		S		98043480	100.65
.3504			8.9	9804089	105.75
.3543			9.0	9804090	92.55
.3580		T		98043580	101.10
.3583			9.1	9804091	106.70
.3594	23/64			980423	101.55
.3622			9.2	9804092	108.00
.3661			9.3	9804093	108.00
.3680		U		98043680	102.85
.3701			9.4	9804094	108.55
.3740			9.5	9804095	103.45
.3750	3/8			980424	94.70
.3770		V		98043770	122.90
.3780			9.6	9804096	129.15

*Dimensions thru .0590": # of flutes = 4; flute length = 3/8" (except for .0312" & .0394" tool diameters, flute length = 1/4"); OAL = 1 1/2".



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 41.

SOLID CARBIDE - CHUCKING REAMERS

SOLID CARBIDE

List No. 9803 - Straight Shank - Straight Flutes - For Non-Ferrous

List No. 9802 - Straight Shank - Straight Flutes - For Cast Iron & Steel

Appropriate tool geometry for material being machined. Solid carbide head and shank.

For stocked general purpose solid carbide reamers in decimal sizes see pages 36-39.



DECIMAL SIZE RANGE	MAX. SHANK DIAM.	NO. OF FLUTES	FLUTE LENGTH	OVERALL LENGTH	NON-FERR. TYPE 9803 EDP NO.	C.I./STEEL TYPE 9802 EDP NO.	PRICE EACH - FINISHED TO DECIMAL SIZE						
							1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
*.0591 - .0660	.0580	4	3/8	1 1/2	-	980204	\$88.95	\$55.40	\$44.15	\$38.90	\$33.10	\$28.55	\$22.00
*.0661 - .0740	.0650	4	1/2	1 3/4	-	980245	89.25	55.60	44.45	39.10	33.35	28.85	22.30
*.0741 - .0810	.0730	4	1/2	1 3/4	-	980205	89.40	55.75	44.50	39.30	33.45	29.05	22.35
*.0811 - .0890	.0800	4	1/2	2	-	980255	89.85	56.40	45.15	39.85	34.15	29.60	23.00
*.0891 - .0970	.0880	4	1/2	2	-	980206	90.50	56.85	45.70	40.35	34.70	29.95	23.55
*.0971 - .1120	.0943	4	5/8	2 1/4	980307	980207	90.85	57.15	46.00	40.65	34.95	30.45	23.85
.1121 - .1280	.1099	4	5/8	2 1/4	980308	980208	92.45	58.80	47.55	42.30	36.45	31.95	25.45
.1281 - .1435	.1255	4	3/4	2 1/2	980309	980209	93.05	59.50	48.20	43.00	37.20	32.70	26.10
.1436 - .1590	.1411	4	3/4	2 1/2	980310	980210	94.65	61.00	49.80	44.50	38.85	34.20	27.65
.1591 - .1750	.1567	4	7/8	2 3/4	980311	980211	98.25	64.60	53.35	48.10	42.35	37.85	31.20
.1751 - .1910	.1724	4	7/8	2 3/4	980312	980212	100.60	66.95	55.75	50.50	44.60	40.25	33.60
.1911 - .2210	.1880	6	1	3	980314	980214	104.75	71.15	59.95	54.65	49.00	44.40	37.85
.2211 - .2530	.2193	6	1	3	980316	980216	111.85	78.30	67.05	61.85	56.05	51.50	45.00
.2531 - .2840	.2505	6	1 1/8	3 1/4	980318	980218	120.20	86.55	75.35	70.05	64.30	59.80	53.25
.2841 - .3150	.2817	6	1 1/8	3 1/4	980320	980220	129.35	95.75	84.40	79.25	73.50	68.95	62.40
.3151 - .3470	.3130	6	1 1/4	3 1/2	980322	980222	142.90	109.35	98.15	92.85	87.15	82.40	76.05
.3471 - .3780	.3443	6	1 1/4	3 1/2	980324	980224	144.60	111.15	100.00	94.65	88.90	84.30	77.75
.3781 - .4090	.3755	6	1 3/8	3 3/4	980326	980226	156.65	123.05	111.85	106.45	100.75	96.25	89.65
.4091 - .4410	.4067	6	1 3/8	3 3/4	980328	980228	158.00	124.40	113.20	107.90	102.15	97.60	91.00
.4411 - .4720	.4380	6	1 1/2	4	980330	980230	167.60	134.05	122.75	117.50	111.75	107.25	100.65
.4721 - .5150	.4693	6	1 1/2	4	980332	980232	176.95	143.35	132.05	126.85	121.10	116.60	110.00

*Provided with male centers

List No. 9813 - Straight Shank - Right Spiral Flutes - For Non-Ferrous

List No. 9812 - Straight Shank - Right Spiral Flutes - For Cast Iron & Steel

List No. 9823 - Straight Shank - Left Spiral Flutes - For Non-Ferrous

List No. 9822 - Straight Shank - Left Spiral Flutes - For Cast Iron & Steel

Spiral flutes ground for reaming holes with interruptions such as keyways, slots or intersecting holes.

Left spiral flutes should not be used on blind holes. Solid carbide head and shank.

ALL TYPES ON THIS PAGE:

Tool diameter tolerance thru .2500": +.0002"/-.0000".

over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

For closer tool diameter pricing, see page 42.



DECIMAL SIZE RANGE	MAX. SHANK DIAM.	NO. OF FLTS.	FLT. LEN.	OVER ALL LEN.	RIGHT SPIRAL		LEFT SPIRAL		PRICE EACH - FINISHED TO DECIMAL SIZE						
					NON-FERR. TYPE 9813 EDP NO.	C.I./STEEL TYPE 9812 EDP NO.	NON-FERR. TYPE 9823 EDP NO.	C.I./STEEL TYPE 9822 EDP NO.	1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
*.0971 - .1120	.0943	4	5/8	2 1/4	981307	981207	982307	982207	\$94.25	\$60.35	\$49.00	\$43.65	\$37.75	\$33.10	\$26.45
.1121 - .1280	.1099	4	5/8	2 1/4	981308	981208	982308	982208	96.05	62.05	50.70	45.40	39.45	34.90	28.30
.1281 - .1435	.1255	4	3/4	2 1/2	981309	981209	982309	982209	101.65	66.10	54.15	48.45	42.40	37.60	30.50
.1436 - .1590	.1411	4	3/4	2 1/2	981310	981210	982310	982210	103.55	67.90	55.95	50.35	44.25	39.35	32.50
.1591 - .1750	.1567	4	7/8	2 3/4	981311	981211	982311	982211	107.75	72.10	60.10	54.45	48.40	43.50	36.50
.1751 - .1910	.1724	4	7/8	2 3/4	981312	981212	982312	982212	110.40	74.85	62.80	57.15	51.05	46.20	39.25
.1911 - .2210	.1880	6	1	3	981314	981214	982314	982214	120.80	83.45	70.95	65.00	58.60	53.50	46.20
.2211 - .2530	.2193	6	1	3	981316	981216	982316	982216	129.65	92.10	79.60	73.80	67.35	62.40	55.15
.2531 - .2840	.2505	6	1 1/8	3 1/4	981318	981218	982318	982218	139.80	102.40	89.90	84.10	77.55	72.65	65.30
.2841 - .3150	.2817	6	1 1/8	3 1/4	981320	981220	982320	982220	150.80	113.50	100.95	95.05	88.70	83.60	76.25
.3151 - .3470	.3130	6	1 1/4	3 1/2	981322	981222	982322	982222	167.50	130.20	117.60	111.75	105.30	100.15	92.90
.3471 - .3780	.3443	6	1 1/4	3 1/2	981324	981224	982324	982224	169.80	132.40	119.90	113.90	107.60	102.50	95.20
.3781 - .4090	.3755	6	1 3/8	3 3/4	981326	981226	982326	982226	174.45	137.05	124.50	118.60	112.20	107.15	99.90
.4091 - .4410	.4067	6	1 3/8	3 3/4	981328	981228	982328	982228	175.95	138.45	125.95	120.10	113.65	108.60	101.35
.4411 - .4720	.4380	6	1 1/2	4	981330	981230	982330	982230	186.60	149.20	136.75	130.90	124.45	119.40	112.05
.4721 - .5150	.4693	6	1 1/2	4	981332	981232	982332	982232	196.95	159.55	147.10	141.25	134.75	129.70	122.40

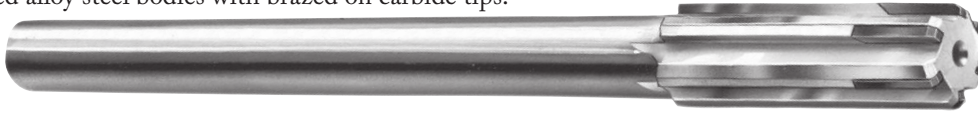
*Provided with male centers

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5655 - Straight Shank - Partial Flute Length Carbide

Use: For general purpose reaming of most types of materials, including steel, cast iron, non-ferrous and non-metals.
Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	LENGTH			LIST 5655 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLUTE	CARBIDE	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1562	5/32	.151	4	1	1/2	4	55210	\$51.30	.1560 - .1769	\$97.00	\$73.80	\$66.35	\$62.70	\$58.80	\$55.75
.1719	11/64	.151	4	1	1/2	4	55211	51.30	-	-	-	-	-	-	-
.1875	3/16	1/64	4	1 1/8	1/2	4 1/2	55212	47.10	.1770 - .2040	91.05	69.00	61.80	58.10	54.40	51.40
.1875	3/16	1/64	4	1 1/4	1/2	5	55201	49.80	.1770 - .2040	93.85	71.80	64.60	60.90	57.15	54.20
.2031	13/64	1/64	4	1 3/8	1/2	4 1/2	55213	49.80	-	-	-	-	-	-	-
.2188	7/32	13/64	4	1 1/4	1/2	5	55214	47.10	.2041 - .2210	91.05	69.00	61.80	58.10	54.40	51.40
.2344	15/64	7/32	4	1 1/2	1/2	6	55215	49.80	.2211 - .2380	93.85	71.80	64.60	60.90	57.15	54.20
.2500	1/4	15/64	4	1 1/2	1/2	6	55216	47.10	.2381 - .2530	91.05	69.00	61.80	58.10	54.40	51.40
.2656	17/64	15/64	4	1 1/2	1/2	6	55217	50.95	-	-	-	-	-	-	-
.2812	9/32	15/64	4	1 1/2	1/2	6	55218	48.15	.2531 - .2840	92.10	70.10	62.75	59.20	55.35	52.40
.2969	19/64	9/32	4	1 1/2	1/2	6	55219	50.95	-	-	-	-	-	-	-
.3125	5/16	9/32	4	1 1/2	1/2	6	55220	48.15	.2841 - .3150	92.10	70.10	62.75	59.20	55.35	52.40
.3281	21/64	9/32	4	1 1/2	5/8	6	55221	52.90	-	-	-	-	-	-	-
.3438	11/32	9/32	4	1 1/2	5/8	6	55222	49.75	.3151 - .3470	93.80	71.70	64.35	60.85	57.10	54.10
.3594	23/64	5/16	4	1 3/4	5/8	7	55223	52.90	-	-	-	-	-	-	-
.3750	3/8	5/16	4	1 3/4	5/8	7	55224	49.75	.3471 - .3780	93.80	71.70	64.35	60.85	57.10	54.10
.3906	25/64	5/16	4	1 3/4	5/8	7	55225	55.55	-	-	-	-	-	-	-
.4062	13/32	5/16	4	1 3/4	5/8	7	55226	52.30	.3781 - .4090	96.20	74.20	66.80	63.30	59.45	56.60
.4219	27/64	3/8	4	1 3/4	5/8	7	55227	59.15	-	-	-	-	-	-	-
.4375	7/16	3/8	4	1 3/4	5/8	7	55228	55.85	.4091 - .4410	99.75	77.75	70.25	66.80	62.95	60.10
.4531	29/64	3/8	4	1 3/4	5/8	7	55229	60.05	-	-	-	-	-	-	-
.4688	15/32	3/8	4	1 3/4	5/8	7	55230	56.60	.4411 - .4720	100.60	78.50	71.10	67.55	63.85	60.85
.4844	31/64	7/16	6	2	5/8	8	55231	64.90	-	-	-	-	-	-	-
.5000	1/2	7/16	6	2	5/8	8	55232	67.30	.4721 - .5030	115.75	91.55	83.35	79.55	75.30	72.00
.5156	33/64	7/16	6	2	5/8	8	55233	73.20	-	-	-	-	-	-	-
.5312	17/32	7/16	6	2	5/8	8	55234	73.20	.5031 - .5340	121.75	97.50	89.35	85.45	81.25	78.00
.5469	35/64	7/16	6	2	5/8	8	55235	73.20	-	-	-	-	-	-	-
.5625	9/16	7/16	6	2	5/8	8	55236	73.20	.5341 - .5660	121.75	97.50	89.35	85.45	81.25	78.00
.5781	37/64	7/16	6	2	5/8	8	55237	76.20	-	-	-	-	-	-	-
.5938	19/32	7/16	6	2	5/8	8	55238	76.20	.5661 - .5970	124.70	100.35	92.25	88.50	84.20	81.10
.6094	39/64	9/16	6	2 1/4	5/8	9	55239	76.20	-	-	-	-	-	-	-
.6250	5/8	9/16	6	2 1/4	5/8	9	55240	76.20	.5971 - .6280	124.70	100.35	92.25	88.50	84.20	81.10
.6406	41/64	9/16	6	2 1/4	5/8	9	55241	77.60	-	-	-	-	-	-	-
.6562	21/32	9/16	6	2 1/4	5/8	9	55242	77.60	.6281 - .6590	125.90	101.55	93.55	89.75	85.50	82.30
.6719	43/64	9/16	6	2 1/4	5/8	9	55243	77.60	-	-	-	-	-	-	-
.6875	11/16	9/16	6	2 1/4	5/8	9	55244	77.60	.6591 - .6910	125.90	101.55	93.55	89.75	85.50	82.30
.7031	45/64	9/16	6	2 1/4	5/8	9	55245	81.20	-	-	-	-	-	-	-
.7188	23/32	9/16	6	2 1/4	5/8	9	55246	81.20	.6911 - .7220	129.55	105.45	97.25	93.40	89.20	85.95
.7344	47/64	5/8	6	2 1/2	3/4	9 1/2	55247	81.20	-	-	-	-	-	-	-
.7500	3/4	5/8	6	2 1/2	3/4	9 1/2	55248	81.20	.7221 - .7530	129.55	105.45	97.25	93.40	89.20	85.95
.7656	49/64	5/8	6	2 1/2	3/4	9 1/2	55249	83.80	-	-	-	-	-	-	-
.7812	25/32	5/8	6	2 1/2	3/4	9 1/2	55250	83.80	.7531 - .7840	132.20	107.95	99.90	96.10	91.85	88.60

*Quantities of 15 or more: price of fractional size in same size range.

Reamer Expedite Fees: Order must be recieved by 3:00 PM EST (Exceptions may apply)
Does not apply to types 5625, 5685, or Extended Length Reamers
18 pieces max per diameter, 4 diameters max per order, 1 fee per diameter
Does NOT require air shipment of the product

REAMER DIAMETER	SERVICE	SEE
Up to 1.0000"	24 Hour	\$75.00
Up to 1.0000"	48 Hour	50.00
Over 1.0000"	48 Hour	75.00
Over 1.0000"	72 Hour	50.00

TOOL TYPE	TOOL DIAMETER TOLERANCES			CLOSER TOLERANCE PRICING			TOOL TYPE	SHANK DIAMETER TOLERANCES (BASED ON DIAMETER)	
				.0001"	.0002"	.0003"			
NAS 897	.0000" THRU .5000"	+.0002"/-.0000"		\$3.00	-	-	NAS 897 & COOLANT	UP TO 2 3/32"	+.0000"/-.0010"
	.5001" THRU .7500"	+.0003"/-.0000"		\$3.00	\$1.00	-		OVER 2 3/32"	+.0000"/-.0015"
	.7501" AND UP	+.0004"/-.0000"		\$5.00	\$3.00	\$1.00			
ALL OTHER REAMERS	.0000" THRU 1.5000"	+.0003"/-.0000"		\$3.00	\$1.00	-	ALL OTHER REAMERS	ALL SIZES	
	1.5001" AND UP	+.0004"/-.0000"		\$5.00	\$3.00	\$1.00		-.0005"/-.0015"	



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5655 - Straight Shank - Partial Flute Length Carbide

Continued from previous page.

TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	LENGTH			LIST 5655 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLUTE	CARBIDE	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.7969	5/64	5/8	6	2 1/2	3/4	9 1/2	55251	\$83.80	-	-	-	-	-	-	-
.8125	13/16	5/8	6	2 1/2	3/4	9 1/2	55252	83.80	.7841 - .8160	\$132.20	\$107.95	\$99.90	\$96.10	\$91.85	\$88.60
.8281	53/64	5/8	6	2 1/2	3/4	9 1/2	55253	87.20	-	-	-	-	-	-	-
.8438	27/32	5/8	6	2 1/2	3/4	9 1/2	55254	87.20	.8161 - .8470	135.65	111.35	103.30	99.35	95.20	91.95
.8594	59/64	3/4	6	2 5/8	3/4	10	55255	87.20	-	-	-	-	-	-	-
.8750	7/8	3/4	6	2 5/8	3/4	10	55256	90.50	.8471 - .8780	140.65	115.60	107.20	103.20	98.75	95.35
.8906	57/64	3/4	6	2 5/8	3/4	10	55257	105.45	-	-	-	-	-	-	-
.9062	29/32	3/4	6	2 5/8	3/4	10	55258	105.45	.8781 - .9090	155.65	130.40	122.10	118.10	113.70	110.30
.9219	59/64	3/4	8	2 5/8	3/4	10	55259	105.45	-	-	-	-	-	-	-
.9375	15/16	3/4	8	2 5/8	3/4	10	55260	105.45	.9091 - .9410	155.65	130.40	122.10	118.10	113.70	110.30
.9531	61/64	3/4	8	2 5/8	3/4	10	55261	110.45	-	-	-	-	-	-	-
.9688	31/32	3/4	8	2 5/8	3/4	10	55262	110.45	.9411 - .9720	160.80	135.55	127.30	123.25	118.80	115.40
.9844	63/64	7/8	8	2 3/4	3/4	10 1/2	55263	110.45	-	-	-	-	-	-	-
1.0000	1	7/8	8	2 3/4	3/4	10 1/2	55264	110.45	.9721 - 1.0030	160.80	135.55	127.30	123.25	118.80	115.40
1.0625	1 1/16	7/8	8	2 3/4	3/4	10 1/2	55304	114.25	1.0031 - 1.0660	162.50	138.35	130.20	126.45	122.25	118.95
1.1250	1 1/8	7/8	8	2 7/8	7/8	11	55308	123.45	1.0661 - 1.1280	171.70	147.60	139.60	135.75	131.45	128.30
1.1875	1 3/16	1	8	2 7/8	7/8	11	55312	129.90	1.1281 - 1.1905	178.00	153.90	145.80	141.90	137.90	134.50
1.2500	1 1/4	1	8	3	7/8	11 1/2	55316	137.25	1.1906 - 1.2530	185.50	161.45	153.25	149.45	145.30	141.95
1.3125	1 5/16	1	8	3	7/8	11 1/2	55320	144.45	1.2531 - 1.3155	192.60	168.45	160.30	156.60	152.35	149.20
1.3750	1 3/8	1	8	3 1/4	7/8	12	55324	153.25	1.3156 - 1.3780	201.30	177.35	169.30	165.40	161.35	158.10
1.4375	1 7/16	1 1/4	8	3 3/4	7/8	12	55328	170.75	1.3781 - 1.4405	219.00	194.90	186.80	182.95	178.80	175.60
1.5000	1 1/2	1 1/4	8	3 1/2	7/8	12 1/2	55332	180.55	1.4406 - 1.5030	228.70	204.60	196.45	192.70	188.55	185.25
1.5625	1 5/8	1 1/4	8	3 1/2	7/8	12 1/2	55265	268.15	1.5031 - 1.5660	316.30	292.20	284.15	280.25	276.20	272.85
1.6250	1 5/8	1 1/4	8	3 3/4	7/8	13	55266	277.35	1.5661 - 1.6280	325.40	301.40	293.30	289.45	285.30	282.05
1.6875	1 11/16	1 1/4	8	3 3/4	7/8	13	55267	311.90	1.6281 - 1.6910	360.15	336.05	327.95	324.15	320.05	316.80
1.7500	1 3/4	1 1/4	10	4	7/8	13 1/2	55268	311.90	1.6911 - 1.7530	360.15	336.05	327.95	324.15	320.05	316.80
1.8125	1 13/16	1 1/2	10	4	7/8	13 1/2	55269	311.90	1.7531 - 1.8160	360.15	336.05	327.95	324.15	320.05	316.80
1.8750	1 7/8	1 1/2	10	4 1/4	7/8	14	55270	326.90	1.8161 - 1.8780	375.00	350.90	342.75	338.95	334.80	331.45
1.9375	1 15/16	1 1/2	10	4 1/4	7/8	14	55271	326.90	1.8781 - 1.9410	375.00	350.90	342.75	338.95	334.80	331.45
2.0000	2	1 1/2	12	4 1/4	7/8	14	55272	326.90	1.9411 - 2.0030	375.00	350.90	342.75	338.95	334.80	331.45

Tolerances on page 42.

*Quantities of 15 or more: price of fractional size in same size range.

DOWEL PIN & OVER/UNDER SIZE REAMERS

CARBIDE TIPPED

List No. 9476 - Dowel Pin Sizes - Straight Flute & Shank

Use: When used in pairs, these reamers allow disassembly of dies and molds keeping dowel pins on the same side. Pairs are .0005" & .002" under standard dowel pin diameters.

Special tool diameter tolerance: +.0"/-.0002"

TOOL DIAMETER	SHANK DIAM.	NO. OF FLTS.	LENGTH			LIST 9476 EDP NO.	PRICE EACH
			FLT	CARB	OAL		
.1855	1/16	4	1 1/8	1/2	4 1/2	947617	\$59.25
.1870	1/16	4	1 1/8	1/2	4 1/2	947618	59.25
.2480	15/64	4	1 1/2	1/2	6	947623	59.25
.2495	15/64	4	1 1/2	1/2	6	947624	59.25
.3105	3/32	4	1 1/2	1/2	6	947630	60.55
.3120	3/32	4	1 1/2	1/2	6	947631	60.55
.3730	5/16	4	1 3/4	5/8	7	947636	62.80
.3745	5/16	4	1 3/4	5/8	7	947637	62.80
.4355	3/8	4	1 3/4	5/8	7	947642	70.20
.4370	3/8	4	1 3/4	5/8	7	947643	70.20
.4980	7/16	6	2	5/8	8	947648	76.90
.4995	7/16	6	2	5/8	8	947649	76.90

List No. 9478 - Over/Under Sizes - Straight Flute & Shank

Use: For finishing accurate holes in a wide variety of materials.

Tool diameter tolerance: +.0002"/-.0"

TOOL DIAMETER	SHANK DIAM.	NO. OF FLTS.	LENGTH			LIST 9478 EDP NO.	PRICE EACH
			FLT	CARB	OAL		
.1865	1/16	4	1 1/8	1/2	4 1/2	947818	\$59.25
.1885	1/16	4	1 1/8	1/2	4 1/2	947819	59.25
.2490	15/64	4	1 1/2	1/2	6	947824	59.25
.2510	15/64	4	1 1/2	1/2	6	947825	59.25
.3115	3/32	4	1 1/2	1/2	6	947831	60.55
.3135	3/32	4	1 1/2	1/2	6	947832	60.55
.3740	5/16	4	1 3/4	5/8	7	947837	62.80
.3760	5/16	4	1 3/4	5/8	7	947838	62.80
.4365	3/8	4	1 3/4	5/8	7	947843	70.20
.4385	3/8	4	1 3/4	5/8	7	947844	70.20
.4990	7/16	6	2	5/8	8	947849	76.90
.5010	7/16	6	2	5/8	8	947850	76.90

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED



STOCKED DECIMAL TOOL DIAMETERS .1560" THRU .3055"

DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH
.1560	56551560	\$66.35	.1860	56551860	\$61.80	.2160	56552160	\$61.80	.2460	56552460	\$61.80	.2760	56552760	\$62.75
.1565	56551565	66.35	.1865	947818	59.25	.2165	5655055	61.80	.2465	56552465	61.80	.2765	56552765	62.75
.1570	56551570	66.35	.1870	56551870	61.80	.2170	56552170	61.80	.2470	56552470	61.80	.2770	56552770	62.75
.1575	5655040	66.35	.1875	55212	47.10	.2175	56552175	61.80	.2475	56552475	61.80	.2775	56552775	62.75
.1580	56551580	66.35	.1880	56551880	61.80	.2180	56552180	61.80	.2480	5655063	61.80	.2780	56552780	62.75
.1585	56551585	66.35	.1885	947819	59.25	.2185	56552185	61.80	.2485	56552485	61.80	.2785	56552785	62.75
.1590	56551590	66.35	.1890	5655048	61.80	.2190	56552190	61.80	.2490	947824	59.25	.2790	56552790	62.75
.1595	56551595	66.35	.1895	56551895	61.80	.2195	56552195	61.80	.2495	56552495	61.80	.2795	5655071	62.75
.1600	56551600	66.35	.1900	56551900	61.80	.2200	56552200	61.80	.2500	55216	47.10	.2800	56552800	62.75
.1605	56551605	66.35	.1905	56551905	61.80	.2205	5655056	61.80	.2505	56552505	61.80	.2805	56552805	62.75
.1610	56551610	66.35	.1910	56551910	61.80	.2210	56552210	61.80	.2510	947825	59.25	.2810	56552810	62.75
.1615	56551615	66.35	.1915	56551915	61.80	.2215	56552215	64.60	.2515	56552515	61.80	.2815	56552815	62.75
.1620	56551620	66.35	.1920	56551920	61.80	.2220	56552220	64.60	.2520	5655064	61.80	.2820	56552820	62.75
.1625	56551625	66.35	.1925	56551925	61.80	.2225	56552225	64.60	.2525	56552525	61.80	.2825	56552825	62.75
.1630	56551630	66.35	.1930	56551930	61.80	.2230	56552230	64.60	.2530	56552530	61.80	.2830	56552830	62.75
.1635	56551635	66.35	.1935	56551935	61.80	.2235	56552235	64.60	.2535	56552535	62.75	.2835	5655072	62.75
.1640	56551640	66.35	.1940	56551940	61.80	.2240	56552240	64.60	.2540	56552540	62.75	.2840	56552840	62.75
.1645	56551645	66.35	.1945	56551945	61.80	.2245	56552245	64.60	.2545	56552545	62.75	.2845	56552845	62.75
.1650	56551650	66.35	.1950	56551950	61.80	.2250	56552250	64.60	.2550	56552550	62.75	.2850	56552850	62.75
.1655	56551655	66.35	.1955	56551955	61.80	.2255	56552255	64.60	.2555	56552555	62.75	.2855	56552855	62.75
.1660	56551660	66.35	.1960	56551960	61.80	.2260	56552260	64.60	.2560	56552560	62.75	.2860	56552860	62.75
.1665	56551665	66.35	.1965	56551965	61.80	.2265	56552265	64.60	.2565	56552565	62.75	.2865	56552865	62.75
.1670	56551670	66.35	.1970	56551970	61.80	.2270	56552270	64.60	.2570	56552570	62.75	.2870	56552870	62.75
.1675	56551675	66.35	.1975	56551975	61.80	.2275	56552275	64.60	.2575	56552575	62.75	.2875	56552875	62.75
.1680	56551680	66.35	.1980	56551980	61.80	.2280	56552280	64.60	.2580	56552580	62.75	.2880	56552880	62.75
.1685	56551685	66.35	.1985	56551985	61.80	.2285	56552285	64.60	.2585	56552585	62.75	.2885	56552885	62.75
.1690	56551690	66.35	.1990	56551990	61.80	.2290	56552290	64.60	.2590	56552590	62.75	.2890	56552890	62.75
.1695	56551695	66.35	.1995	56551995	61.80	.2295	56552295	64.60	.2595	56552595	62.75	.2895	56552895	62.75
.1700	56551700	66.35	.2000	56552000	61.80	.2300	56552300	64.60	.2600	56552600	62.75	.2900	56552900	62.75
.1705	56551705	66.35	.2005	56552005	61.80	.2305	56552305	64.60	.2605	56552605	62.75	.2905	56552905	62.75
.1710	56551710	66.35	.2010	56552010	61.80	.2310	56552310	64.60	.2610	56552610	62.75	.2910	56552910	62.75
.1715	56551715	66.35	.2015	56552015	61.80	.2315	56552315	64.60	.2615	56552615	62.75	.2915	56552915	62.75
.1720	56551720	66.35	.2020	56552020	61.80	.2320	56552320	64.60	.2620	56552620	62.75	.2920	56552920	62.75
.1725	56551725	66.35	.2025	56552025	61.80	.2325	56552325	64.60	.2625	56552625	62.75	.2925	56552925	62.75
.1730	56551730	66.35	.2030	56552030	61.80	.2330	56552330	64.60	.2630	56552630	62.75	.2930	56552930	62.75
.1735	56551735	66.35	.2035	56552035	61.80	.2335	56552335	64.60	.2635	56552635	62.75	.2935	56552935	62.75
.1740	56551740	66.35	.2040	56552040	61.80	.2340	56552340	64.60	.2640	56552640	62.75	.2940	56552940	62.75
.1745	56551745	66.35	.2045	56552045	61.80	.2345	56552345	64.60	.2645	56552645	62.75	.2945	56552945	62.75
.1750	56551750	66.35	.2050	56552050	61.80	.2350	56552350	64.60	.2650	56552650	62.75	.2950	56552950	62.75
.1755	56551755	66.35	.2055	56552055	61.80	.2355	56552355	64.60	.2655	56552655	62.75	.2955	56552955	62.75
.1760	56551760	66.35	.2060	56552060	61.80	.2360	56552360	64.60	.2660	56552660	62.75	.2960	56552960	62.75
.1765	56551765	66.35	.2065	56552065	61.80	.2365	56552365	64.60	.2665	56552665	62.75	.2965	56552965	62.75
.1770	56551770	61.80	.2070	56552070	61.80	.2370	56552370	64.60	.2670	56552670	62.75	.2970	56552970	62.75
.1775	56551775	61.80	.2075	56552075	61.80	.2375	56552375	64.60	.2675	56552675	62.75	.2975	56552975	62.75
.1780	56551780	61.80	.2080	56552080	61.80	.2380	56552380	64.60	.2680	56552680	62.75	.2980	56552980	62.75
.1785	56551785	61.80	.2085	56552085	61.80	.2385	56552385	61.80	.2685	56552685	62.75	.2985	56552985	62.75
.1790	56551790	61.80	.2090	56552090	61.80	.2390	56552390	61.80	.2690	56552690	62.75	.2990	56552990	62.75
.1795	56551795	61.80	.2095	56552095	61.80	.2395	56552395	61.80	.2695	56552695	62.75	.2995	56552995	62.75
.1800	56551800	61.80	.2100	56552100	61.80	.2400	56552400	61.80	.2700	56552700	62.75	.3000	56553000	62.75
.1805	56551805	61.80	.2105	56552105	61.80	.2405	56552405	61.80	.2705	56552705	62.75	.3005	56553005	62.75
.1810	56551810	61.80	.2110	56552110	61.80	.2410	56552410	61.80	.2710	56552710	62.75	.3010	56553010	62.75
.1815	56551815	61.80	.2115	56552115	61.80	.2415	56552415	61.80	.2715	56552715	62.75	.3015	56553015	62.75
.1820	56551820	61.80	.2120	56552120	61.80	.2420	56552420	61.80	.2720	56552720	62.75	.3020	56553020	62.75
.1825	56551825	61.80	.2125	56552125	61.80	.2425	56552425	61.80	.2725	56552725	62.75	.3025	56553025	62.75
.1830	56551830	61.80	.2130	56552130	61.80	.2430	56552430	61.80	.2730	56552730	62.75	.3030	56553030	62.75
.1835	56551835	61.80	.2135	56552135	61.80	.2435	56552435	61.80	.2735	56552735	62.75	.3035	56553035	62.75
.1840	56551840	61.80	.2140	56552140	61.80	.2440	56552440	61.80	.2740	56552740	62.75	.3040	56553040	62.75
.1845	56551845	61.80	.2145	56552145	61.80	.2445	56552445	61.80	.2745	56552745	62.75	.3045	56553045	62.75
.1850	5655047	61.80	.2150	56552150	61.80	.2450	56552450	61.80	.2750	56552750	62.75	.3050	56553050	62.75
.1855	56551855	61.80	.2155	56552155	61.80	.2455	56552455	61.80	.2755	56552755	62.75	.3055	56553055	62.75



CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED



STOCKED DECIMAL TOOL DIAMETERS .3060" THRU .4555"

DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH
.3060	56553060	\$62.75	.3360	56553360	\$64.35	.3660	56553660	\$64.35	.3960	56553960	\$66.80	.4260	56554260	\$70.25
.3065	56553065	62.75	.3365	56553365	64.35	.3665	56553665	64.35	.3965	56553965	66.80	.4265	56554265	70.25
.3070	56553070	62.75	.3370	56553370	64.35	.3670	56553670	64.35	.3970	56553970	66.80	.4270	56554270	70.25
.3075	56553075	62.75	.3375	56553375	64.35	.3675	56553675	64.35	.3975	56553975	66.80	.4275	56554275	70.25
.3080	56553080	62.75	.3380	56553380	64.35	.3680	56553680	64.35	.3980	56553980	66.80	.4280	56554280	70.25
.3085	56553085	62.75	.3385	56553385	64.35	.3685	56553685	64.35	.3985	56553985	66.80	.4285	56554285	70.25
.3090	56553090	62.75	.3390	56553390	64.35	.3690	56553690	64.35	.3990	56553990	66.80	.4290	56554290	70.25
.3095	56553095	62.75	.3395	56553395	64.35	.3695	56553695	64.35	.3995	56553995	66.80	.4295	56554295	70.25
.3100	56553100	62.75	.3400	56553400	64.35	.3700	56553700	64.35	.4000	56554000	66.80	.4300	56554300	70.25
.3105	56553105	62.75	.3405	56553405	64.35	.3705	56553705	64.35	.4005	56554005	66.80	.4305	56554305	70.25
.3110	5655079	62.75	.3410	56553410	64.35	.3710	56553710	64.35	.4010	56554010	66.80	.4310	56554310	70.25
.3115	947831	60.55	.3415	56553415	64.35	.3715	56553715	64.35	.4015	56554015	66.80	.4315	56554315	70.25
.3120	56553120	62.75	.3420	56553420	64.35	.3720	56553720	64.35	.4020	56554020	66.80	.4320	56554320	70.25
.3125	55220	48.15	.3425	5655087	64.35	.3725	56553725	64.35	.4025	56554025	66.80	.4325	56554325	70.25
.3130	56553130	62.75	.3430	56553430	64.35	.3730	56553730	64.35	.4030	56554030	66.80	.4330	56554330	70.25
.3135	947832	60.55	.3435	56553435	64.35	.3735	56553735	64.35	.4035	56554035	66.80	.4335	56554335	70.25
.3140	56553140	62.75	.3440	56553440	64.35	.3740	947837	62.80	.4040	56554040	66.80	.4340	56554340	70.25
.3145	56553145	62.75	.3445	56553445	64.35	.3745	56553745	64.35	.4045	56554045	66.80	.4345	56554345	70.25
.3150	5655080	62.75	.3450	56553450	64.35	.3750	55224	49.75	.4050	56554050	66.80	.4350	56554350	70.25
.3155	56553155	64.35	.3455	56553455	64.35	.3755	56553755	64.35	.4055	5655103	66.80	.4355	56554355	70.25
.3160	56553160	64.35	.3460	56553460	64.35	.3760	947838	62.80	.4060	56554060	66.80	.4360	56554360	70.25
.3165	56553165	64.35	.3465	5655088	64.35	.3765	56553765	64.35	.4065	56554065	66.80	.4365	947843	70.20
.3170	56553170	64.35	.3470	56553470	64.35	.3770	56553770	64.35	.4070	56554070	66.80	.4370	5655111	70.25
.3175	56553175	64.35	.3475	56553475	64.35	.3775	56553775	64.35	.4075	56554075	66.80	.4375	55228	55.85
.3180	56553180	64.35	.3480	56553480	64.35	.3780	5655096	64.35	.4080	56554080	66.80	.4380	56554380	70.25
.3185	56553185	64.35	.3485	56553485	64.35	.3785	56553785	66.80	.4085	56554085	66.80	.4385	947844	70.20
.3190	56553190	64.35	.3490	56553490	64.35	.3790	56553790	66.80	.4090	56554090	66.80	.4390	56554390	70.25
.3195	56553195	64.35	.3495	56553495	64.35	.3795	56553795	66.80	.4095	56554095	70.25	.4395	56554395	70.25
.3200	56553200	64.35	.3500	56553500	64.35	.3800	56553800	66.80	.4100	56554100	70.25	.4400	56554400	70.25
.3205	56553205	64.35	.3505	56553505	64.35	.3805	56553805	66.80	.4105	56554105	70.25	.4405	56554405	70.25
.3210	56553210	64.35	.3510	56553510	64.35	.3810	56553810	66.80	.4110	56554110	70.25	.4410	56554410	70.25
.3215	56553215	64.35	.3515	56553515	64.35	.3815	56553815	66.80	.4115	56554115	70.25	.4415	56554415	71.10
.3220	56553220	64.35	.3520	56553520	64.35	.3820	56553820	66.80	.4120	56554120	70.25	.4420	56554420	71.10
.3225	56553225	64.35	.3525	56553525	64.35	.3825	56553825	66.80	.4125	56554125	70.25	.4425	56554425	71.10
.3230	56553230	64.35	.3530	56553530	64.35	.3830	56553830	66.80	.4130	56554130	70.25	.4430	56554430	71.10
.3235	56553235	64.35	.3535	56553535	64.35	.3835	56553835	66.80	.4135	56554135	70.25	.4435	56554435	71.10
.3240	56553240	64.35	.3540	56553540	64.35	.3840	56553840	66.80	.4140	56554140	70.25	.4440	56554440	71.10
.3245	56553245	64.35	.3545	56553545	64.35	.3845	56553845	66.80	.4145	56554145	70.25	.4445	56554445	71.10
.3250	56553250	64.35	.3550	56553550	64.35	.3850	56553850	66.80	.4150	56554150	70.25	.4450	56554450	71.10
.3255	56553255	64.35	.3555	56553555	64.35	.3855	56553855	66.80	.4155	56554155	70.25	.4455	56554455	71.10
.3260	56553260	64.35	.3560	56553560	64.35	.3860	56553860	66.80	.4160	56554160	70.25	.4460	56554460	71.10
.3265	56553265	64.35	.3565	56553565	64.35	.3865	56553865	66.80	.4165	56554165	70.25	.4465	56554465	71.10
.3270	56553270	64.35	.3570	56553570	64.35	.3870	56553870	66.80	.4170	56554170	70.25	.4470	56554470	71.10
.3275	56553275	64.35	.3575	56553575	64.35	.3875	56553875	66.80	.4175	56554175	70.25	.4475	56554475	71.10
.3280	56553280	64.35	.3580	56553580	64.35	.3880	56553880	66.80	.4180	56554180	70.25	.4480	56554480	71.10
.3285	56553285	64.35	.3585	56553585	64.35	.3885	56553885	66.80	.4185	56554185	70.25	.4485	56554485	71.10
.3290	56553290	64.35	.3590	56553590	64.35	.3890	56553890	66.80	.4190	56554190	70.25	.4490	56554490	71.10
.3295	56553295	64.35	.3595	56553595	64.35	.3895	56553895	66.80	.4195	56554195	70.25	.4495	56554495	71.10
.3300	56553300	64.35	.3600	56553600	64.35	.3900	56553900	66.80	.4200	56554200	70.25	.4500	56554500	71.10
.3305	56553305	64.35	.3605	56553605	64.35	.3905	56553905	66.80	.4205	56554205	70.25	.4505	56554505	71.10
.3310	56553310	64.35	.3610	56553610	64.35	.3910	56553910	66.80	.4210	56554210	70.25	.4510	56554510	71.10
.3315	56553315	64.35	.3615	56553615	64.35	.3915	56553915	66.80	.4215	56554215	70.25	.4515	56554515	71.10
.3320	56553320	64.35	.3620	56553620	64.35	.3920	56553920	66.80	.4220	56554220	70.25	.4520	56554520	71.10
.3325	56553325	64.35	.3625	56553625	64.35	.3925	56553925	66.80	.4225	56554225	70.25	.4525	56554525	71.10
.3330	56553330	64.35	.3630	56553630	64.35	.3930	56553930	66.80	.4230	56554230	70.25	.4530	56554530	71.10
.3335	56553335	64.35	.3635	56553635	64.35	.3935	56553935	66.80	.4235	56554235	70.25	.4535	56554535	71.10
.3340	56553340	64.35	.3640	56553640	64.35	.3940	56553940	66.80	.4240	56554240	70.25	.4540	56554540	71.10
.3345	56553345	64.35	.3645	56553645	64.35	.3945	56553945	66.80	.4245	56554245	70.25	.4545	56554545	71.10
.3350	56553350	64.35	.3650	56553650	64.35	.3950	56553950	66.80	.4250	56554250	70.25	.4550	56554550	71.10
.3355	56553355	64.35	.3655	56553655	64.35	.3955	56553955	66.80	.4255	56554255	70.25	.4555	56554555	71.10

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED



STOCKED DECIMAL TOOL DIAMETERS .4560" THRU .6055"

DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH
.4560	56554560	\$71.10	.4860	56554860	\$83.35	.5160	56555160	\$89.35	.5460	56555460	\$89.35	.5760	56555760	\$92.25
.4565	56554565	71.10	.4865	56554865	83.35	.5165	56555165	89.35	.5465	56555465	89.35	.5765	56555765	92.25
.4570	56554570	71.10	.4870	56554870	83.35	.5170	56555170	89.35	.5470	56555470	89.35	.5770	56555770	92.25
.4575	56554575	71.10	.4875	56554875	83.35	.5175	56555175	89.35	.5475	56555475	89.35	.5775	56555775	92.25
.4580	56554580	71.10	.4880	56554880	83.35	.5180	56555180	89.35	.5480	56555480	89.35	.5780	56555780	92.25
.4585	56554585	71.10	.4885	56554885	83.35	.5185	56555185	89.35	.5485	56555485	89.35	.5785	56555785	92.25
.4590	56554590	71.10	.4890	56554890	83.35	.5190	56555190	89.35	.5490	56555490	89.35	.5790	56555790	92.25
.4595	56554595	71.10	.4895	56554895	83.35	.5195	56555195	89.35	.5495	56555495	89.35	.5795	56555795	92.25
.4600	56554600	71.10	.4900	56554900	83.35	.5200	56555200	89.35	.5500	56555500	89.35	.5800	56555800	92.25
.4605	56554605	71.10	.4905	56554905	83.35	.5205	56555205	89.35	.5505	56555505	89.35	.5805	56555805	92.25
.4610	56554610	71.10	.4910	56554910	83.35	.5210	56555210	89.35	.5510	56555510	89.35	.5810	56555810	92.25
.4615	56554615	71.10	.4915	56554915	83.35	.5215	56555215	89.35	.5515	56555515	89.35	.5815	56555815	92.25
.4620	56554620	71.10	.4920	56554920	83.35	.5220	56555220	89.35	.5520	56555520	89.35	.5820	56555820	92.25
.4625	56554625	71.10	.4925	56554925	83.35	.5225	56555225	89.35	.5525	56555525	89.35	.5825	56555825	92.25
.4630	56554630	71.10	.4930	56554930	83.35	.5230	56555230	89.35	.5530	56555530	89.35	.5830	56555830	92.25
.4635	56554635	71.10	.4935	56554935	83.35	.5235	56555235	89.35	.5535	56555535	89.35	.5835	56555835	92.25
.4640	56554640	71.10	.4940	56554940	83.35	.5240	56555240	89.35	.5540	56555540	89.35	.5840	56555840	92.25
.4645	56554645	71.10	.4945	56554945	83.35	.5245	56555245	89.35	.5545	56555545	89.35	.5845	56555845	92.25
.4650	56554650	71.10	.4950	56554950	83.35	.5250	56555250	89.35	.5550	56555550	89.35	.5850	56555850	92.25
.4655	56554655	71.10	.4955	56554955	83.35	.5255	56555255	89.35	.5555	56555555	89.35	.5855	56555855	92.25
.4660	56554660	71.10	.4960	56554960	83.35	.5260	56555260	89.35	.5560	56555560	89.35	.5860	56555860	92.25
.4665	56554665	71.10	.4965	56554965	83.35	.5265	56555265	89.35	.5565	56555565	89.35	.5865	56555865	92.25
.4670	56554670	71.10	.4970	56554970	83.35	.5270	56555270	89.35	.5570	56555570	89.35	.5870	56555870	92.25
.4675	56554675	71.10	.4975	56554975	83.35	.5275	56555275	89.35	.5575	56555575	89.35	.5875	56555875	92.25
.4680	56554680	71.10	.4980	56554980	83.35	.5280	56555280	89.35	.5580	56555580	89.35	.5880	56555880	92.25
.4685	56554685	71.10	.4985	56554985	83.35	.5285	56555285	89.35	.5585	56555585	89.35	.5885	56555885	92.25
.4690	56554690	71.10	.4990	947849	76.90	.5290	56555290	89.35	.5590	56555590	89.35	.5890	56555890	92.25
.4695	56554695	71.10	.4995	56554995	83.35	.5295	56555295	89.35	.5595	56555595	89.35	.5895	56555895	92.25
.4700	56554700	71.10	.5000	55232	67.30	.5300	56555300	89.35	.5600	56555600	89.35	.5900	56555900	92.25
.4705	56554705	71.10	.5005	56555005	83.35	.5305	56555305	89.35	.5605	56555605	89.35	.5905	56555905	92.25
.4710	56554710	71.10	.5010	947850	76.90	.5310	56555310	89.35	.5610	56555610	89.35	.5910	56555910	92.25
.4715	56554715	71.10	.5015	56555015	83.35	.5315	56555315	89.35	.5615	56555615	89.35	.5915	56555915	92.25
.4720	56554720	71.10	.5020	56555020	83.35	.5320	56555320	89.35	.5620	56555620	89.35	.5920	56555920	92.25
.4725	56554725	83.35	.5025	56555025	83.35	.5325	56555325	89.35	.5625	55236	73.20	.5925	56555925	92.25
.4730	56554730	83.35	.5030	56555030	83.35	.5330	56555330	89.35	.5630	56555630	89.35	.5930	56555930	92.25
.4735	56554735	83.35	.5035	56555035	89.35	.5335	56555335	89.35	.5635	56555635	89.35	.5935	56555935	92.25
.4740	56554740	83.35	.5040	56555040	89.35	.5340	56555340	89.35	.5640	56555640	89.35	.5940	56555940	92.25
.4745	56554745	83.35	.5045	56555045	89.35	.5345	56555345	89.35	.5645	56555645	89.35	.5945	56555945	92.25
.4750	56554750	83.35	.5050	56555050	89.35	.5350	56555350	89.35	.5650	56555650	89.35	.5950	56555950	92.25
.4755	56554755	83.35	.5055	56555055	89.35	.5355	56555355	89.35	.5655	56555655	89.35	.5955	56555955	92.25
.4760	56554760	83.35	.5060	56555060	89.35	.5360	56555360	89.35	.5660	56555660	89.35	.5960	56555960	92.25
.4765	56554765	83.35	.5065	56555065	89.35	.5365	56555365	89.35	.5665	56555665	92.25	.5965	56555965	92.25
.4770	56554770	83.35	.5070	56555070	89.35	.5370	56555370	89.35	.5670	56555670	92.25	.5970	56555970	92.25
.4775	56554775	83.35	.5075	56555075	89.35	.5375	56555375	89.35	.5675	56555675	92.25	.5975	56555975	92.25
.4780	56554780	83.35	.5080	56555080	89.35	.5380	56555380	89.35	.5680	56555680	92.25	.5980	56555980	92.25
.4785	56554785	83.35	.5085	56555085	89.35	.5385	56555385	89.35	.5685	56555685	92.25	.5985	56555985	92.25
.4790	56554790	83.35	.5090	56555090	89.35	.5390	56555390	89.35	.5690	56555690	92.25	.5990	56555990	92.25
.4795	56554795	83.35	.5095	56555095	89.35	.5395	56555395	89.35	.5695	56555695	92.25	.5995	56555995	92.25
.4800	56554800	83.35	.5100	56555100	89.35	.5400	56555400	89.35	.5700	56555700	92.25	.6000	56556000	92.25
.4805	56554805	83.35	.5105	56555105	89.35	.5405	56555405	89.35	.5705	56555705	92.25	.6005	56556005	92.25
.4810	56554810	83.35	.5110	56555110	89.35	.5410	56555410	89.35	.5710	56555710	92.25	.6010	56556010	92.25
.4815	56554815	83.35	.5115	56555115	89.35	.5415	56555415	89.35	.5715	56555715	92.25	.6015	56556015	92.25
.4820	56554820	83.35	.5120	56555120	89.35	.5420	56555420	89.35	.5720	56555720	92.25	.6020	56556020	92.25
.4825	56554825	83.35	.5125	56555125	89.35	.5425	56555425	89.35	.5725	56555725	92.25	.6025	56556025	92.25
.4830	56554830	83.35	.5130	56555130	89.35	.5430	56555430	89.35	.5730	56555730	92.25	.6030	56556030	92.25
.4835	56554835	83.35	.5135	56555135	89.35	.5435	56555435	89.35	.5735	56555735	92.25	.6035	56556035	92.25
.4840	56554840	83.35	.5140	56555140	89.35	.5440	56555440	89.35	.5740	56555740	92.25	.6040	56556040	92.25
.4845	56554845	83.35	.5145	56555145	89.35	.5445	56555445	89.35	.5745	56555745	92.25	.6045	56556045	92.25
.4850	56554850	83.35	.5150	56555150	89.35	.5450	56555450	89.35	.5750	56555750	92.25	.6050	56556050	92.25
.4855	56554855	83.35	.5155	56555155	89.35	.5455	56555455	89.35	.5755	56555755	92.25	.6055	56556055	92.25



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED



STOCKED DECIMAL TOOL DIAMETERS .6060" THRU .7555"

DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5655 EDP NO.	PRICE EACH
.6060	56556060	\$92.25	.6360	56556360	\$93.55	.6660	56556660	\$93.55	.6960	56556960	\$97.25	.7260	56557260	\$97.25
.6065	56556065	92.25	.6365	56556365	93.55	.6665	56556665	93.55	.6965	56556965	97.25	.7265	56557265	97.25
.6070	56556070	92.25	.6370	56556370	93.55	.6670	56556670	93.55	.6970	56556970	97.25	.7270	56557270	97.25
.6075	56556075	92.25	.6375	56556375	93.55	.6675	56556675	93.55	.6975	56556975	97.25	.7275	56557275	97.25
.6080	56556080	92.25	.6380	56556380	93.55	.6680	56556680	93.55	.6980	56556980	97.25	.7280	56557280	97.25
.6085	56556085	92.25	.6385	56556385	93.55	.6685	56556685	93.55	.6985	56556985	97.25	.7285	56557285	97.25
.6090	56556090	92.25	.6390	56556390	93.55	.6690	56556690	93.55	.6990	56556990	97.25	.7290	56557290	97.25
.6095	56556095	92.25	.6395	56556395	93.55	.6695	56556695	93.55	.6995	56556995	97.25	.7295	56557295	97.25
.6100	56556100	92.25	.6400	56556400	93.55	.6700	56556700	93.55	.7000	56557000	97.25	.7300	56557300	97.25
.6105	56556105	92.25	.6405	56556405	93.55	.6705	56556705	93.55	.7005	56557005	97.25	.7305	56557305	97.25
.6110	56556110	92.25	.6410	56556410	93.55	.6710	56556710	93.55	.7010	56557010	97.25	.7310	56557310	97.25
.6115	56556115	92.25	.6415	56556415	93.55	.6715	56556715	93.55	.7015	56557015	97.25	.7315	56557315	97.25
.6120	56556120	92.25	.6420	56556420	93.55	.6720	56556720	93.55	.7020	56557020	97.25	.7320	56557320	97.25
.6125	56556125	92.25	.6425	56556425	93.55	.6725	56556725	93.55	.7025	56557025	97.25	.7325	56557325	97.25
.6130	56556130	92.25	.6430	56556430	93.55	.6730	56556730	93.55	.7030	56557030	97.25	.7330	56557330	97.25
.6135	56556135	92.25	.6435	56556435	93.55	.6735	56556735	93.55	.7035	56557035	97.25	.7335	56557335	97.25
.6140	56556140	92.25	.6440	56556440	93.55	.6740	56556740	93.55	.7040	56557040	97.25	.7340	56557340	97.25
.6145	56556145	92.25	.6445	56556445	93.55	.6745	56556745	93.55	.7045	56557045	97.25	.7345	56557345	97.25
.6150	56556150	92.25	.6450	56556450	93.55	.6750	56556750	93.55	.7050	56557050	97.25	.7350	56557350	97.25
.6155	56556155	92.25	.6455	56556455	93.55	.6755	56556755	93.55	.7055	56557055	97.25	.7355	56557355	97.25
.6160	56556160	92.25	.6460	56556460	93.55	.6760	56556760	93.55	.7060	56557060	97.25	.7360	56557360	97.25
.6165	56556165	92.25	.6465	56556465	93.55	.6765	56556765	93.55	.7065	56557065	97.25	.7365	56557365	97.25
.6170	56556170	92.25	.6470	56556470	93.55	.6770	56556770	93.55	.7070	56557070	97.25	.7370	56557370	97.25
.6175	56556175	92.25	.6475	56556475	93.55	.6775	56556775	93.55	.7075	56557075	97.25	.7375	56557375	97.25
.6180	56556180	92.25	.6480	56556480	93.55	.6780	56556780	93.55	.7080	56557080	97.25	.7380	56557380	97.25
.6185	56556185	92.25	.6485	56556485	93.55	.6785	56556785	93.55	.7085	56557085	97.25	.7385	56557385	97.25
.6190	56556190	92.25	.6490	56556490	93.55	.6790	56556790	93.55	.7090	56557090	97.25	.7390	56557390	97.25
.6195	56556195	92.25	.6495	56556495	93.55	.6795	56556795	93.55	.7095	56557095	97.25	.7395	56557395	97.25
.6200	56556200	92.25	.6500	56556500	93.55	.6800	56556800	93.55	.7100	56557100	97.25	.7400	56557400	97.25
.6205	56556205	92.25	.6505	56556505	93.55	.6805	56556805	93.55	.7105	56557105	97.25	.7405	56557405	97.25
.6210	56556210	92.25	.6510	56556510	93.55	.6810	56556810	93.55	.7110	56557110	97.25	.7410	56557410	97.25
.6215	56556215	92.25	.6515	56556515	93.55	.6815	56556815	93.55	.7115	56557115	97.25	.7415	56557415	97.25
.6220	56556220	92.25	.6520	56556520	93.55	.6820	56556820	93.55	.7120	56557120	97.25	.7420	56557420	97.25
.6225	56556225	92.25	.6525	56556525	93.55	.6825	56556825	93.55	.7125	56557125	97.25	.7425	56557425	97.25
.6230	56556230	92.25	.6530	56556530	93.55	.6830	56556830	93.55	.7130	56557130	97.25	.7430	56557430	97.25
.6235	56556235	92.25	.6535	56556535	93.55	.6835	56556835	93.55	.7135	56557135	97.25	.7435	56557435	97.25
.6240	947862	92.25	.6540	56556540	93.55	.6840	56556840	93.55	.7140	56557140	97.25	.7440	56557440	97.25
.6245	56556245	92.25	.6545	56556545	93.55	.6845	56556845	93.55	.7145	56557145	97.25	.7445	56557445	97.25
.6250	55240	76.20	.6550	56556550	93.55	.6850	56556850	93.55	.7150	56557150	97.25	.7450	56557450	97.25
.6255	56556255	92.25	.6555	56556555	93.55	.6855	56556855	93.55	.7155	56557155	97.25	.7455	56557455	97.25
.6260	947863	92.25	.6560	56556560	93.55	.6860	56556860	93.55	.7160	56557160	97.25	.7460	56557460	97.25
.6265	56556265	92.25	.6565	56556565	93.55	.6865	56556865	93.55	.7165	56557165	97.25	.7465	56557465	97.25
.6270	56556270	92.25	.6570	56556570	93.55	.6870	56556870	93.55	.7170	56557170	97.25	.7470	56557470	97.25
.6275	56556275	92.25	.6575	56556575	93.55	.6875	55244	77.60	.7175	56557175	97.25	.7475	56557475	97.25
.6280	56556280	92.25	.6580	56556580	93.55	.6880	56556880	93.55	.7180	56557180	97.25	.7480	56557480	97.25
.6285	56556285	93.55	.6585	56556585	93.55	.6885	56556885	93.55	.7185	56557185	97.25	.7485	56557485	97.25
.6290	56556290	93.55	.6590	56556590	93.55	.6890	56556890	93.55	.7190	56557190	97.25	.7490	947874	97.25
.6295	56556295	93.55	.6595	56556595	93.55	.6895	56556895	93.55	.7195	56557195	97.25	.7495	56557495	97.25
.6300	56556300	93.55	.6600	56556600	93.55	.6900	56556900	93.55	.7200	56557200	97.25	.7500	55248	81.20
.6305	56556305	93.55	.6605	56556605	93.55	.6905	56556905	93.55	.7205	56557205	97.25	.7505	56557505	97.25
.6310	56556310	93.55	.6610	56556610	93.55	.6910	56556910	93.55	.7210	56557210	97.25	.7510	947875	97.25
.6315	56556315	93.55	.6615	56556615	93.55	.6915	56556915	97.25	.7215	56557215	97.25	.7515	56557515	97.25
.6320	56556320	93.55	.6620	56556620	93.55	.6920	56556920	97.25	.7220	56557220	97.25	.7520	56557520	97.25
.6325	56556325	93.55	.6625	56556625	93.55	.6925	56556925	97.25	.7225	56557225	97.25	.7525	56557525	97.25
.6330	56556330	93.55	.6630	56556630	93.55	.6930	56556930	97.25	.7230	56557230	97.25	.7530	56557530	97.25
.6335	56556335	93.55	.6635	56556635	93.55	.6935	56556935	97.25	.7235	56557235	97.25	.7535	56557535	99.90
.6340	56556340	93.55	.6640	56556640	93.55	.6940	56556940	97.25	.7240	56557240	97.25	.7540	56557540	99.90
.6345	56556345	93.55	.6645	56556645	93.55	.6945	56556945	97.25	.7245	56557245	97.25	.7545	56557545	99.90
.6350	56556350	93.55	.6650	56556650	93.55	.6950	56556950	97.25	.7250	56557250	97.25	.7550	56557550	99.90
.6355	56556355	93.55	.6655	56556655	93.55	.6955	56556955	97.25	.7255	56557255	97.25	.7555	56557555	99.90

CHUCKING REAMERS - STRAIGHT FLUTE

METRIC

CARBIDE TIPPED

List No. 5655 - Straight Shank - Partial Flute Length Carbide - Metric

Use: Same as page 42 except in metric sizes.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLTS	LENGTH			EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	DEC.			FLT	CARB	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
4.0	.1575	.151	4	1	½	4	5655040	\$66.35	3.962 - 4.493	\$100.25	\$77.75	\$70.15	\$66.40	\$62.70	\$59.40	\$55.20
4.5	.1772	1¼	4	1 ½	½	4 ½	5655045	61.80	4.494 - 5.182	94.75	72.85	65.55	61.90	58.10	55.15	50.90
5.0	.1969	1¼	4	1 ½	½	4 ½	5655050	61.80	-	-	-	-	-	-	-	-
5.5	.2165	1¼	4	1 ¼	½	5	5655055	61.80	5.183 - 5.613	94.75	72.85	65.55	61.90	58.10	55.15	50.90
6.0	.2362	7/32	4	1 ½	½	6	5655060	64.60	5.614 - 6.045	97.60	75.65	68.20	64.70	60.90	57.85	53.65
6.3	.2480	15/64	4	1 ½	½	6	5655063	61.80	6.046 - 6.426	94.75	72.85	65.55	61.90	58.10	55.15	50.90
6.5	.2559	15/64	4	1 ½	½	6	5655065	62.75	6.427 - 7.214	95.90	73.80	66.50	62.85	59.20	56.05	51.85
7.0	.2756	15/64	4	1 ½	½	6	5655070	62.75	-	-	-	-	-	-	-	-
7.5	.2953	3/32	4	1 ½	½	6	5655075	62.75	7.215 - 8.001	95.90	73.80	66.50	62.85	59.20	56.05	51.85
8.0	.3150	3/32	4	1 ½	½	6	5655080	62.75	-	-	-	-	-	-	-	-
8.5	.3346	3/32	4	1 ½	5/8	6	5655085	64.35	8.002 - 8.814	97.55	75.55	68.15	64.60	60.85	57.80	53.55
9.0	.3543	5/16	4	1 ¾	5/8	7	5655090	64.35	8.815 - 9.601	97.55	75.55	68.15	64.60	60.85	57.80	53.55
9.5	.3740	5/16	4	1 ¾	5/8	7	5655095	64.35	-	-	-	-	-	-	-	-
10.0	.3937	5/16	4	1 ¾	5/8	7	5655100	66.80	9.602 - 10.389	99.90	77.90	70.65	67.00	63.30	60.30	56.00
10.5	.4134	3/8	4	1 ¾	5/8	7	5655105	70.25	10.390 - 11.201	103.40	81.45	74.15	70.45	66.80	63.80	59.45
11.0	.4331	3/8	4	1 ¾	5/8	7	5655110	70.25	-	-	-	-	-	-	-	-
11.5	.4528	3/8	4	1 ¾	5/8	7	5655115	71.10	11.202 - 11.989	104.20	82.30	74.90	71.40	67.55	64.60	60.40
12.0	.4724	7/16	6	2	5/8	8	5655120	83.35	11.990 - 12.776	119.80	95.55	87.50	83.65	79.55	76.15	71.50
12.5	.4921	7/16	6	2	5/8	8	5655125	83.35	-	-	-	-	-	-	-	-
13.0	.5118	7/16	6	2	5/8	8	5655130	89.35	12.777 - 13.564	125.70	101.50	93.45	89.45	85.45	82.05	77.45
13.5	.5315	7/16	6	2	5/8	8	5655135	89.35	-	-	-	-	-	-	-	-
14.0	.5512	7/16	6	2	5/8	8	5655140	89.35	13.565 - 14.376	125.70	101.50	93.45	89.45	85.45	82.05	77.45
14.5	.5709	7/16	6	2	5/8	8	5655145	92.25	14.377 - 15.164	128.70	104.50	96.35	92.45	88.50	85.10	80.35
15.0	.5906	7/16	6	2	5/8	8	5655150	92.25	-	-	-	-	-	-	-	-
15.5	.6102	9/16	6	2 ¼	5/8	9	5655155	92.25	15.165 - 15.951	128.70	104.50	96.35	92.45	88.50	85.10	80.35
16.0	.6299	9/16	6	2 ¼	5/8	9	5655160	93.55	15.952 - 16.739	130.10	105.85	97.65	93.70	89.75	86.35	81.60
16.5	.6496	9/16	6	2 ¼	5/8	9	5655165	93.55	-	-	-	-	-	-	-	-
17.0	.6693	9/16	6	2 ¼	5/8	9	5655170	93.55	16.740 - 17.551	130.10	105.85	97.65	93.70	89.75	86.35	81.60
17.5	.6890	9/16	6	2 ¼	5/8	9	5655175	93.55	-	-	-	-	-	-	-	-
18.0	.7087	9/16	6	2 ¼	5/8	9	5655180	97.25	17.552 - 18.339	133.65	109.50	101.40	97.50	93.40	90.00	85.30
18.5	.7283	5/8	6	2 ½	¾	9 ½	5655185	97.25	18.340 - 19.126	133.65	109.50	101.40	97.50	93.40	90.00	85.30
19.0	.7480	5/8	6	2 ½	¾	9 ½	5655190	97.25	-	-	-	-	-	-	-	-
19.5	.7677	5/8	6	2 ½	¾	9 ½	5655195	99.90	19.127 - 19.914	136.25	112.25	104.10	100.05	96.10	92.65	88.05
20.0	.7874	5/8	6	2 ½	¾	9 ½	5655200	99.90	19.915 - 20.726	136.25	112.25	104.10	100.05	96.10	92.65	88.05
20.5	.8071	5/8	6	2 ½	¾	9 ½	5655205	99.90	-	-	-	-	-	-	-	-
21.0	.8268	5/8	6	2 ½	¾	9 ½	5655210	103.30	20.727 - 21.514	139.70	115.40	107.40	103.40	99.35	96.10	91.45
21.5	.8465	5/8	6	2 ½	¾	9 ½	5655215	103.30	-	-	-	-	-	-	-	-
22.0	.8661	¾	6	2 5/8	¾	10	5655220	103.30	21.515 - 22.301	139.70	115.40	107.40	103.40	99.35	96.10	91.45
22.5	.8858	¾	6	2 5/8	¾	10	5655225	122.10	22.302 - 23.089	159.85	134.75	126.35	122.25	118.10	114.60	109.70
23.0	.9055	¾	6	2 5/8	¾	10	5655230	122.10	-	-	-	-	-	-	-	-
23.5	.9252	¾	8	2 5/8	¾	10	5655235	122.10	23.090 - 23.901	159.85	134.75	126.35	122.25	118.10	114.60	109.70
24.0	.9449	¾	8	2 5/8	¾	10	5655240	127.30	23.902 - 24.689	165.00	139.85	131.45	127.40	123.25	119.75	114.85
24.5	.9646	¾	8	2 5/8	¾	10	5655245	127.30	-	-	-	-	-	-	-	-
25.0	.9843	7/8	8	2 ¾	¾	10 ½	5655250	127.30	24.690 - 25.476	165.00	139.85	131.45	127.40	123.25	119.75	114.85
25.5	1.0039	7/8	8	2 ¾	¾	10 ½	5655255	130.20	25.477 - 27.076	166.55	142.45	134.40	130.40	126.45	123.20	118.35
26.0	1.0236	7/8	8	2 ¾	¾	10 ½	5655260	130.20	-	-	-	-	-	-	-	-
27.0	1.0630	7/8	8	2 ¾	¾	10 ½	5655270	130.20	-	-	-	-	-	-	-	-
28.0	1.1024	7/8	8	2 7/8	7/8	11	5655280	139.60	27.077 - 28.651	175.75	151.70	143.60	139.70	135.75	132.35	127.70
29.0	1.1417	1	8	2 7/8	7/8	11	5655290	145.80	28.652 - 30.239	182.00	158.10	149.85	146.00	141.90	138.65	133.95
30.0	1.1811	1	8	2 7/8	7/8	11	5655300	145.80	-	-	-	-	-	-	-	-
31.0	1.2205	1	8	3	7/8	11 ½	5655310	153.25	30.240 - 31.826	189.50	165.45	157.40	153.50	149.45	146.15	141.60
32.0	1.2598	1	8	3	7/8	11 ½	5655320	160.30	31.827 - 33.414	196.65	172.70	164.50	160.65	156.60	153.15	148.50
33.0	1.2992	1	8	3	7/8	11 ½	5655330	160.30	-	-	-	-	-	-	-	-
34.0	1.3386	1	8	3 ¼	7/8	12	5655340	169.30	33.415 - 35.001	205.40	181.50	173.30	169.45	165.40	162.00	157.40
35.0	1.3780	1	8	3 ¼	7/8	12	5655350	169.30	-	-	-	-	-	-	-	-
36.0	1.4173	1 ¼	8	3 ¼	7/8	12	5655360	186.80	35.002 - 36.589	223.05	198.95	190.90	186.90	182.95	179.55	175.00
37.0	1.4567	1 ¼	8	3 ½	7/8	12 ½	5655370	196.45	36.590 - 38.176	232.80	208.70	200.60	196.70	192.70	189.35	184.75

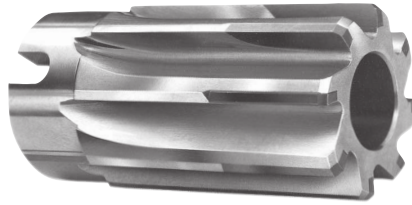
Diameters up to 50mm - call us for price & availability.

SHELL REAMERS

CARBIDE TIPPED

List No. 5625 - Straight Flutes

Use: For general purpose reaming of most types of materials. Can be particularly useful and cost effective for machining large diameter holes. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		HOLE DIAM. LG. END	FITS ARBOR NO.	NO. OF FLTS.	LENGTH			LIST 5625 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.				FLT	CARB	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.7500	3/4	3/8	4	6	1 3/4	1	2 1/4	55026	\$224.05	.7221 - .7530	\$316.95	\$270.45	\$254.85	\$247.40	\$239.50	\$233.30
.7812	25/32	3/8	4	6	1 3/4	1	2 1/4	55063	228.40	.7531 - .7840	321.25	274.70	259.30	251.80	243.85	237.65
.8125	13/16	1/2	5	6	1 15/16	1	2 1/2	55027	228.40	.7841 - .8160	321.25	274.70	259.30	251.80	243.85	237.65
.8750	7/8	1/2	5	6	1 15/16	1	2 1/2	55028	255.30	.8161 - .8780	351.65	303.30	287.05	279.55	271.25	264.65
.9375	15/16	1/2	5	8	1 15/16	1	2 1/2	55029	255.30	.8781 - .9410	351.65	303.30	287.05	279.55	271.25	264.65
1.0000	1	1/2	5	8	1 15/16	1	2 1/2	55030	259.90	.9411 - 1.0030	356.25	307.95	291.85	284.15	275.85	269.30
1.0625	1 1/16	5/8	6	8	2 1/8	1	2 3/4	55031	269.05	1.0031 - 1.0660	365.30	317.05	300.75	293.20	284.95	278.35
1.1250	1 1/8	5/8	6	8	2 1/8	1	2 3/4	55032	273.50	1.0661 - 1.1280	369.80	321.60	305.35	297.80	289.45	283.00
1.1875	1 3/16	5/8	6	8	2 1/8	1 1/8	2 3/4	55033	278.15	1.1281 - 1.1905	374.25	326.20	310.00	302.40	294.00	287.60
1.2500	1 1/4	5/8	6	8	2 1/8	1 1/8	2 3/4	55034	296.35	1.1906 - 1.2530	392.60	344.40	328.30	320.50	312.35	305.80
1.3125	1 1/4	3/4	7	8	2 1/4	1 1/8	3	55035	300.75	1.2531 - 1.3155	397.10	348.90	332.75	325.10	316.95	310.30
1.3750	1 3/8	3/4	7	8	2 1/4	1 1/8	3	55036	309.95	1.3156 - 1.3780	406.30	357.95	341.90	334.10	325.85	319.40
1.4375	1 7/16	3/4	7	8	2 1/4	1 1/8	3	55037	319.10	1.3781 - 1.4405	415.35	367.15	351.05	343.40	334.90	328.60
1.5000	1 1/2	3/4	7	8	2 1/4	1 1/8	3	55038	332.75	1.4406 - 1.5030	429.15	380.85	364.65	356.95	348.70	342.25
1.5625	1 1/2	3/4	7	10	2 1/4	1 1/8	3	55039	385.30	1.5031 - 1.5660	485.75	435.50	418.55	410.45	401.85	395.15
1.6250	1 5/8	3/4	7	10	2 1/4	1 1/8	3	55040	404.20	1.5661 - 1.6280	504.85	454.50	437.55	429.50	420.95	414.15
1.6875	1 11/16	1	8	10	2 3/4	1 1/8	3 1/2	55041	437.60	1.6281 - 1.6910	538.25	487.80	470.95	462.90	454.35	447.60
1.7500	1 3/4	1	8	10	2 3/4	1 1/8	3 1/2	55042	437.60	1.6911 - 1.7530	538.25	487.80	470.95	462.90	454.35	447.60
1.8125	1 3/4	1	8	10	2 3/4	1 1/8	3 1/2	55043	470.85	1.7531 - 1.8160	571.25	521.00	504.15	496.15	487.50	480.65
1.8750	1 7/8	1	8	10	2 3/4	1 1/8	3 1/2	55044	470.85	1.8161 - 1.8780	571.25	521.00	504.15	496.15	487.50	480.65
1.9375	1 15/16	1	8	10	2 3/4	1 1/8	3 1/2	55045	504.25	1.8781 - 1.9410	604.60	554.30	537.50	529.55	520.90	514.10
2.0000	2	1	8	10	2 3/4	1 1/8	3 1/2	55046	504.25	1.9411 - 2.0030	604.60	554.30	537.50	529.55	520.90	514.10
2.0625	2 1/16	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55047	542.25	2.0031 - 2.0660	642.70	592.45	575.50	567.55	558.85	552.15
2.1250	2 1/8	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55048	542.25	2.0661 - 2.1280	642.70	592.45	575.50	567.55	558.85	552.15
2.1875	2 3/16	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55049	589.75	2.1281 - 2.1905	690.30	639.90	623.05	615.00	606.50	599.55
2.2500	2 1/4	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55050	589.75	2.1906 - 2.2530	690.30	639.90	623.05	615.00	606.50	599.55
2.3125	2 3/16	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55051	623.05	2.2531 - 2.3155	723.65	673.20	656.40	648.30	639.75	632.90
2.3750	2 3/8	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55052	623.05	2.3156 - 2.3780	723.65	673.20	656.40	648.30	639.75	632.90
2.4375	2 7/16	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55053	656.45	2.3781 - 2.4405	756.95	706.60	689.75	681.70	673.10	666.25
2.5000	2 1/2	1 1/4	9	12	2 7/8	1 1/8	3 3/4	55054	656.45	2.4406 - 2.5030	756.95	706.60	689.75	681.70	673.10	666.25
2.5625	2 9/16	1 1/2	10	14	3 1/8	1 1/8	4	55055	720.55	2.5031 - 2.5660	821.05	770.70	753.85	745.80	737.20	730.40
2.6250	2 5/8	1 1/2	10	14	3 1/8	1 1/8	4	55056	747.30	2.5661 - 2.6280	847.75	797.30	780.65	772.45	763.95	757.10
2.6875	2 11/16	1 1/2	10	14	3 1/8	1 1/8	4	55057	776.30	2.6281 - 2.6910	876.75	826.50	809.60	801.65	792.95	786.15
2.7500	2 3/4	1 1/2	10	14	3 1/8	1 1/8	4	55058	803.30	2.6911 - 2.7530	903.80	853.40	836.55	828.60	819.95	813.10
2.8125	2 13/16	1 1/2	10	14	3 1/8	1 1/8	4	55059	831.50	2.7531 - 2.8160	931.95	881.70	864.85	856.80	848.20	841.45
2.8750	2 7/8	1 1/2	10	14	3 1/8	1 1/8	4	55060	864.85	2.8161 - 2.8780	965.20	915.05	898.05	890.15	881.50	874.70
2.9375	2 15/16	1 1/2	10	14	3 1/8	1 1/8	4	55061	898.25	2.8781 - 2.9410	998.70	948.30	931.45	923.60	914.95	908.10
3.0000	3	1 1/2	10	14	3 1/8	1 1/8	4	55062	931.55	2.9411 - 3.0030	1032.00	981.70	964.85	957.00	948.25	941.50

*Quantities of 15 or more; price of fractional size in same size range.

ARBOR NO.	FITS REAMER TOOL DIAM.	OVER ALL LEN.	STRAIGHT SHANK			TAPER SHANK		
			SHANK DIAM.	LIST 9481 EDP NO.	PRICE EACH	TAPER SHANK NO.	LIST 9481 EDP NO.	PRICE EACH
4	.7221 - .7840	9	1/2	948104	\$142.25	2	948114	\$169.65
5	.7841 - 1.0030	9 1/2	5/8	948105	158.70	2	948115	202.50
6	1.0031 - 1.2530	10	3/4	948106	175.20	3	948116	218.90
7	1.2531 - 1.6280	11	7/8	948107	191.55	3	948117	240.90
8	1.6281 - 2.0030	12	1 1/8	948108	213.45	4	948118	268.30
9	2.0031 - 2.5030	13	1 3/8	948109	257.20	4	948119	301.05
10	2.5031 - 3.0030	14	1 5/8	948110	334.50	5	948120	381.95

SHELL REAMER ARBORS

List No. 9481 - Shell Reamer Arbors

Straight Shank



Taper Shank



CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5659 - Straight Shank - Full Flute Length Carbide

Use: For general purpose reaming of most types of materials, including steel, cast iron, non-ferrous and non-metals. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	LENGTH		LIST 5659 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRAC.			FLUTE	OVERALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1875	3/16	11/64	4	1 1/2	6	55512	\$56.35	.1770 - .2040	\$101.50	\$78.90	\$71.50	\$67.80	\$63.85	\$60.75
.2188	7/32	13/64	4	1 1/2	6	55514	56.35	.2041 - .2210	101.50	78.90	71.50	67.80	63.85	60.75
.2344	15/64	7/32	4	1 1/2	6	55515	56.35	.2211 - .2380	101.50	78.90	71.50	67.80	63.85	60.75
.2500	1/4	15/64	4	1 1/2	6	55516	56.35	.2381 - .2530	101.50	78.90	71.50	67.80	63.85	60.75
.2812	9/32	15/64	4	1 1/2	6	55518	57.65	.2531 - .2840	102.75	80.10	72.55	68.95	65.00	62.05
.3125	5/16	7/32	4	1 1/2	6	55520	57.65	.2841 - .3150	102.75	80.10	72.55	68.95	65.00	62.05
.3438	11/32	7/32	4	1 1/2	6	55522	59.60	.3151 - .3470	104.85	82.30	74.55	71.05	67.20	64.10
.3750	3/8	5/16	4	1 3/4	7	55524	59.60	.3471 - .3780	104.85	82.30	74.55	71.05	67.20	64.10
.4062	13/32	5/16	4	1 3/4	7	55526	62.70	.3781 - .4090	107.75	85.25	77.65	74.10	70.15	67.05
.4375	7/16	3/8	4	1 3/4	7	55528	67.80	.4091 - .4410	112.95	90.25	82.65	79.15	75.25	72.20
.4688	15/32	3/8	4	1 3/4	7	55530	73.15	.4411 - .4720	118.35	95.85	88.10	84.50	80.65	77.65
.5000	1/2	7/16	6	2	8	55532	78.35	.4721 - .5030	126.80	102.55	94.55	90.60	86.50	83.05
.5312	17/32	7/16	6	2	8	55534	80.60	.5031 - .5340	129.05	104.80	96.70	92.70	88.60	85.30
.5625	9/16	7/16	6	2	8	55536	80.60	.5341 - .5660	129.05	104.80	96.70	92.70	88.60	85.30
.5938	19/32	7/16	6	2	8	55538	83.75	.5661 - .5970	132.15	107.80	99.80	96.05	91.75	88.55
.6250	5/8	7/16	6	2	9	55540	83.75	.5971 - .6280	132.15	107.80	99.80	96.05	91.75	88.55
.6562	21/32	9/16	6	2	9	55542	85.25	.6281 - .6590	133.65	109.45	101.35	97.50	93.25	90.00
.6875	11/16	9/16	6	2	9	55544	85.25	.6591 - .6910	133.65	109.45	101.35	97.50	93.25	90.00
.7188	23/32	9/16	6	2	9	55546	89.20	.6911 - .7220	137.55	113.35	105.25	101.40	97.25	93.90
.7500	3/4	5/8	6	2	9 1/2	55548	89.20	.7221 - .7530	137.55	113.35	105.25	101.40	97.25	93.90
.7812	25/32	5/8	6	2	9 1/2	55550	92.25	.7531 - .7840	140.60	116.45	108.40	104.45	100.30	97.00
.8125	13/16	5/8	6	2	9 1/2	55552	92.25	.7841 - .8160	140.60	116.45	108.40	104.45	100.30	97.00
.8438	27/32	5/8	6	2	9 1/2	55554	96.05	.8161 - .8470	144.40	120.00	111.90	108.10	104.00	100.65
.8750	7/8	3/4	6	2 1/4	10	55556	99.60	.8471 - .8780	149.80	124.70	116.25	112.20	107.80	104.45
.9062	29/32	3/4	6	2 1/4	10	55558	115.90	.8781 - .9090	166.10	141.00	132.50	128.55	124.25	120.80
.9375	15/16	3/4	8	2 1/4	10	55560	115.90	.9091 - .9410	166.10	141.00	132.50	128.55	124.25	120.80
.9688	31/32	3/4	8	2 1/4	10	55562	121.40	.9411 - .9720	171.65	146.50	138.15	134.10	129.75	126.35
1.0000	1	7/8	8	2 1/4	10 1/2	55564	121.40	.9721 - 1.0030	171.65	146.50	138.15	134.10	129.75	126.35
1.0625	1 1/16	7/8	8	2 1/4	10 1/2	55334	125.65	1.0031 - 1.0660	173.85	149.65	141.65	137.70	133.65	130.35
1.1250	1 1/8	7/8	8	2 1/4	11	55338	136.00	1.0661 - 1.1280	184.05	160.10	151.95	148.05	143.90	140.60
1.1875	1 3/16	1	8	2 1/4	11	55565	142.25	1.1281 - 1.1905	190.35	166.30	158.25	154.35	150.20	147.00
1.2500	1 1/4	1	8	2 1/2	11 1/2	55566	166.10	1.1906 - 1.2530	214.20	190.15	182.00	178.15	174.00	170.75
1.3125	1 5/16	1	8	2 1/2	11 1/2	55567	166.10	1.2531 - 1.3155	214.20	190.15	182.00	178.15	174.00	170.75
1.3750	1 3/8	1	8	2 1/2	12	55568	168.50	1.3156 - 1.3780	216.65	192.60	184.45	180.60	176.50	173.15
1.4375	1 7/16	1 1/4	8	2 1/2	12	55569	186.20	1.3781 - 1.4405	234.40	210.10	202.20	198.30	194.20	190.90
1.5000	1 1/2	1 1/4	8	2 1/2	12 1/2	55570	223.50	1.4406 - 1.5030	271.65	247.45	239.50	235.65	231.50	228.30
1.5625	1 9/16	1 1/4	8	2 1/2	12 1/2	55571	295.05	1.5031 - 1.5660	343.15	319.05	311.00	307.15	303.05	299.80
1.6250	1 5/8	1 1/4	8	2 3/4	13	55572	305.10	1.5661 - 1.6280	353.25	329.00	321.00	317.30	313.05	309.85
1.6875	1 11/16	1 1/4	8	2 3/4	13	55573	334.90	1.6281 - 1.6910	383.15	359.10	351.05	347.10	343.00	339.85
1.7500	1 3/4	1 1/4	10	3	13 1/2	55574	334.90	1.6911 - 1.7530	383.15	359.10	351.05	347.10	343.00	339.85
1.8125	1 13/16	1 1/2	10	3	13 1/2	55575	342.75	1.7531 - 1.8160	391.00	366.90	358.65	354.95	350.80	347.55
1.8750	1 7/8	1 1/2	10	3 1/4	14	55576	359.45	1.8161 - 1.8780	407.55	383.45	375.50	371.60	367.35	364.20
1.9375	1 15/16	1 1/2	10	3 1/4	14	55577	381.15	1.8781 - 1.9410	429.25	405.05	397.05	393.20	389.10	385.80
2.0000	2	1 1/2	12	3 1/4	14	55578	381.15	1.9411 - 2.0030	429.25	405.05	397.05	393.20	389.10	385.80

*Quantities of 15 or more: price of fractional size in same size range.



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

METRIC

CARBIDE TIPPED

List No. 5659 - Straight Shank - Full Flute Length Carbide - Metric

Use: Same as page 50 except in metric sizes.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLTS	LENGTH		EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	DEC.			FLUTE	OVERALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
4.5	.1772	1/4	4	1 1/2	6	5659045	\$71.50	4.494 - 5.182	\$105.45	\$82.85	\$75.25	\$71.55	\$67.80	\$64.60	\$60.30
5.0	.1969	1/4	4	1 1/2	6	5659050	71.50	-	-	-	-	-	-	-	-
5.5	.2165	3/8	4	1 1/2	6	5659055	71.50	5.183 - 5.613	105.45	82.85	75.25	71.55	67.80	64.60	60.30
6.0	.2362	7/32	4	1 1/2	6	5659060	71.50	5.614 - 6.045	105.45	82.85	75.25	71.55	67.80	64.60	60.30
6.3	.2480	15/64	4	1 1/2	6	5659063	71.50	6.046 - 6.426	105.45	82.85	75.25	71.55	67.80	64.60	60.30
6.5	.2559	15/64	4	1 1/2	6	5659065	72.55	6.427 - 7.214	106.45	84.00	76.40	72.70	68.95	65.70	61.50
7.0	.2756	15/64	4	1 1/2	6	5659070	72.55	-	-	-	-	-	-	-	-
7.5	.2953	9/32	4	1 1/2	6	5659075	72.55	7.215 - 8.001	106.45	84.00	76.40	72.70	68.95	65.70	61.50
8.0	.3150	9/32	4	1 1/2	6	5659080	72.55	-	-	-	-	-	-	-	-
8.5	.3346	9/32	4	1 1/2	6	5659085	74.55	8.002 - 8.814	108.60	86.20	78.50	74.85	71.05	67.95	63.55
9.0	.3543	5/16	4	1 3/4	7	5659090	74.55	8.815 - 9.601	108.60	86.20	78.50	74.85	71.05	67.95	63.55
9.5	.3740	5/16	4	1 3/4	7	5659095	74.55	-	-	-	-	-	-	-	-
10.0	.3937	5/16	4	1 3/4	7	5659100	77.65	9.602 - 10.389	111.65	89.15	81.45	77.80	74.10	70.90	66.50
10.5	.4134	3/8	4	1 3/4	7	5659105	82.65	10.390 - 11.201	116.80	94.05	86.55	82.90	79.15	75.95	71.60
11.0	.4331	3/8	4	1 3/4	7	5659110	82.65	-	-	-	-	-	-	-	-
11.5	.4528	3/8	4	1 3/4	7	5659115	88.10	11.202 - 11.989	122.15	99.60	92.10	88.40	84.50	81.35	77.05
12.0	.4724	7/16	6	2	8	5659120	94.55	11.990 - 12.776	130.85	106.75	98.60	94.65	90.60	87.20	82.55
12.5	.4921	7/16	6	2	8	5659125	94.55	-	-	-	-	-	-	-	-
13.0	.5118	7/16	6	2	8	5659130	96.70	12.777 - 13.564	133.10	108.90	100.80	96.80	92.70	89.35	84.75
13.5	.5315	7/16	6	2	8	5659135	96.70	-	-	-	-	-	-	-	-
14.0	.5512	7/16	6	2	8	5659140	96.70	13.565 - 14.376	133.10	108.90	100.80	96.80	92.70	89.35	84.75
14.5	.5709	7/16	6	2	8	5659145	99.80	14.377 - 15.164	136.20	112.00	104.00	99.95	96.05	92.55	87.95
15.0	.5906	7/16	6	2	8	5659150	99.80	-	-	-	-	-	-	-	-
15.5	.6102	7/16	6	2	9	5659155	99.80	15.165 - 15.951	136.20	112.00	104.00	99.95	96.05	92.55	87.95
16.0	.6299	9/16	6	2	9	5659160	101.35	15.952 - 16.739	137.60	113.60	105.50	101.45	97.50	94.00	89.35
16.5	.6496	9/16	6	2	9	5659165	101.35	-	-	-	-	-	-	-	-
17.0	.6693	9/16	6	2	9	5659170	101.35	16.740 - 17.551	137.60	113.60	105.50	101.45	97.50	94.00	89.35
17.5	.6890	9/16	6	2	9	5659175	101.35	-	-	-	-	-	-	-	-
18.0	.7087	9/16	6	2	9	5659180	105.25	17.552 - 18.339	141.70	117.40	109.45	105.50	101.40	98.00	93.40
18.5	.7283	5/8	6	2	9 1/2	5659185	105.25	18.340 - 19.126	141.70	117.40	109.45	105.50	101.40	98.00	93.40
19.0	.7480	5/8	6	2	9 1/2	5659190	105.25	-	-	-	-	-	-	-	-
19.5	.7677	5/8	6	2	9 1/2	5659195	108.40	19.127 - 19.914	144.70	120.65	112.45	108.50	104.45	101.05	96.35
20.0	.7874	5/8	6	2	9 1/2	5659200	108.40	19.915 - 20.726	144.70	120.65	112.45	108.50	104.45	101.05	96.35
20.5	.8071	5/8	6	2	9 1/2	5659205	108.40	-	-	-	-	-	-	-	-
21.0	.8268	5/8	6	2	9 1/2	5659210	111.90	20.727 - 21.514	148.45	124.25	116.10	112.25	108.10	104.80	100.05
21.5	.8465	5/8	6	2	9 1/2	5659215	111.90	-	-	-	-	-	-	-	-
22.0	.8661	3/4	6	2 1/4	10	5659220	111.90	21.515 - 22.301	148.45	124.25	116.10	112.25	108.10	104.80	100.05
22.5	.8858	3/4	6	2 1/4	10	5659225	132.50	22.302 - 23.089	170.35	145.30	136.90	132.70	128.55	124.95	120.05
23.0	.9055	3/4	6	2 1/4	10	5659230	132.50	-	-	-	-	-	-	-	-
23.5	.9252	3/4	8	2 1/4	10	5659235	132.50	23.090 - 23.901	170.35	145.30	136.90	132.70	128.55	124.95	120.05
24.0	.9449	3/4	8	2 1/4	10	5659240	138.15	23.902 - 24.689	175.80	150.85	142.35	138.25	134.10	130.65	125.80
24.5	.9646	3/4	8	2 1/4	10	5659245	138.15	-	-	-	-	-	-	-	-
25.0	.9843	7/8	8	2 1/4	10 1/2	5659250	138.15	24.690 - 25.476	175.80	150.85	142.35	138.25	134.10	130.65	125.80
25.5	1.0039	7/8	8	2 1/4	10 1/2	5659255	141.65	25.477 - 27.076	177.85	153.85	145.75	141.80	137.70	134.40	129.75
26.0	1.0236	7/8	8	2 1/4	10 1/2	5659260	141.65	-	-	-	-	-	-	-	-
27.0	1.0630	7/8	8	2 1/4	10 1/2	5659270	141.65	-	-	-	-	-	-	-	-
28.0	1.1024	7/8	8	2 1/4	11	5659280	151.95	27.077 - 28.651	188.20	164.15	156.00	152.15	148.05	144.70	140.00
29.0	1.1417	1	8	2 1/4	11	5659290	158.25	28.652 - 30.239	194.35	170.50	162.35	158.35	154.35	151.00	146.45
30.0	1.1811	1	8	2 1/4	11	5659300	158.25	-	-	-	-	-	-	-	-
31.0	1.2205	1	8	2 1/2	11 1/2	5659310	182.00	30.240 - 31.826	218.30	194.25	186.20	182.35	178.15	174.70	170.20
32.0	1.2598	1	8	2 1/2	11 1/2	5659320	182.00	31.827 - 33.414	218.30	194.25	186.20	182.35	178.15	174.70	170.20
33.0	1.2992	1	8	2 1/2	11 1/2	5659330	182.00	-	-	-	-	-	-	-	-
34.0	1.3386	1	8	2 1/2	12	5659340	184.45	33.415 - 35.001	220.80	196.70	188.60	184.75	180.60	177.35	172.75
35.0	1.3780	1	8	2 1/2	12	5659350	184.45	-	-	-	-	-	-	-	-
36.0	1.4173	1 1/4	8	2 1/2	12	5659360	202.20	35.002 - 36.589	238.35	214.40	206.25	202.30	198.30	194.95	190.25
37.0	1.4567	1 1/4	8	2 1/2	12 1/2	5659370	239.50	36.590 - 38.176	275.60	251.65	243.60	239.65	235.65	232.25	227.60
38.0	1.4961	1 1/4	8	2 1/2	12 1/2	5659380	239.50	-	-	-	-	-	-	-	-

Diameters up to 50mm - call us for price & availability.

SUPER TOOL, INC. - www.supertoolinc.com - sales@supertoolinc.com

51

Tolerances on page 42.

Made in the USA

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5659 - Straight Shank - Full Flute Length Carbide

Use: Same as page 50.



STOCKED DECIMAL TOOL DIAMETERS .1770" THRU .3265"

DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH
.1770	56591770	\$71.50	.2070	56592070	\$71.50	.2370	56592370	\$71.50	.2670	56592670	\$72.55	.2970	56592970	\$72.55
.1775	56591775	71.50	.2075	56592075	71.50	.2375	56592375	71.50	.2675	56592675	72.55	.2975	56592975	72.55
.1780	56591780	71.50	.2080	56592080	71.50	.2380	56592380	71.50	.2680	56592680	72.55	.2980	56592980	72.55
.1785	56591785	71.50	.2085	56592085	71.50	.2385	56592385	71.50	.2685	56592685	72.55	.2985	56592985	72.55
.1790	56591790	71.50	.2090	56592090	71.50	.2390	56592390	71.50	.2690	56592690	72.55	.2990	56592990	72.55
.1795	56591795	71.50	.2095	56592095	71.50	.2395	56592395	71.50	.2695	56592695	72.55	.2995	56592995	72.55
.1800	56591800	71.50	.2100	56592100	71.50	.2400	56592400	71.50	.2700	56592700	72.55	.3000	56593000	72.55
.1805	56591805	71.50	.2105	56592105	71.50	.2405	56592405	71.50	.2705	56592705	72.55	.3005	56593005	72.55
.1810	56591810	71.50	.2110	56592110	71.50	.2410	56592410	71.50	.2710	56592710	72.55	.3010	56593010	72.55
.1815	56591815	71.50	.2115	56592115	71.50	.2415	56592415	71.50	.2715	56592715	72.55	.3015	56593015	72.55
.1820	56591820	71.50	.2120	56592120	71.50	.2420	56592420	71.50	.2720	56592720	72.55	.3020	56593020	72.55
.1825	56591825	71.50	.2125	56592125	71.50	.2425	56592425	71.50	.2725	56592725	72.55	.3025	56593025	72.55
.1830	56591830	71.50	.2130	56592130	71.50	.2430	56592430	71.50	.2730	56592730	72.55	.3030	56593030	72.55
.1835	56591835	71.50	.2135	56592135	71.50	.2435	56592435	71.50	.2735	56592735	72.55	.3035	56593035	72.55
.1840	56591840	71.50	.2140	56592140	71.50	.2440	56592440	71.50	.2740	56592740	72.55	.3040	56593040	72.55
.1845	56591845	71.50	.2145	56592145	71.50	.2445	56592445	71.50	.2745	56592745	72.55	.3045	56593045	72.55
.1850	5659047	71.50	.2150	56592150	71.50	.2450	56592450	71.50	.2750	56592750	72.55	.3050	56593050	72.55
.1855	56591855	71.50	.2155	56592155	71.50	.2455	56592455	71.50	.2755	56592755	72.55	.3055	56593055	72.55
.1860	56591860	71.50	.2160	56592160	71.50	.2460	56592460	71.50	.2760	56592760	72.55	.3060	56593060	72.55
.1865	56591865	71.50	.2165	5659055	71.50	.2465	56592465	71.50	.2765	56592765	72.55	.3065	56593065	72.55
.1870	56591870	71.50	.2170	56592170	71.50	.2470	56592470	71.50	.2770	56592770	72.55	.3070	56593070	72.55
.1875	55512	56.35	.2175	56592175	71.50	.2475	56592475	71.50	.2775	56592775	72.55	.3075	56593075	72.55
.1880	56591880	71.50	.2180	56592180	71.50	.2480	5659063	71.50	.2780	56592780	72.55	.3080	56593080	72.55
.1885	56591885	71.50	.2185	56592185	71.50	.2485	56592485	71.50	.2785	56592785	72.55	.3085	56593085	72.55
.1890	5659048	71.50	.2190	56592190	71.50	.2490	56592490	71.50	.2790	56592790	72.55	.3090	56593090	72.55
.1895	56591895	71.50	.2195	56592195	71.50	.2495	56592495	71.50	.2795	5659071	72.55	.3095	56593095	72.55
.1900	56591900	71.50	.2200	56592200	71.50	.2500	55516	56.35	.2800	56592800	72.55	.3100	56593100	72.55
.1905	56591905	71.50	.2205	5659056	71.50	.2505	56592505	71.50	.2805	56592805	72.55	.3105	56593105	72.55
.1910	56591910	71.50	.2210	56592210	71.50	.2510	56592510	71.50	.2810	56592810	72.55	.3110	5659079	72.55
.1915	56591915	71.50	.2215	56592215	71.50	.2515	56592515	71.50	.2815	56592815	72.55	.3115	56593115	72.55
.1920	56591920	71.50	.2220	56592220	71.50	.2520	5659064	71.50	.2820	56592820	72.55	.3120	56593120	72.55
.1925	56591925	71.50	.2225	56592225	71.50	.2525	56592525	71.50	.2825	56592825	72.55	.3125	55520	57.65
.1930	56591930	71.50	.2230	56592230	71.50	.2530	56592530	71.50	.2830	56592830	72.55	.3130	56593130	72.55
.1935	56591935	71.50	.2235	56592235	71.50	.2535	56592535	72.55	.2835	5659072	72.55	.3135	56593135	72.55
.1940	56591940	71.50	.2240	56592240	71.50	.2540	56592540	72.55	.2840	56592840	72.55	.3140	56593140	72.55
.1945	56591945	71.50	.2245	56592245	71.50	.2545	56592545	72.55	.2845	56592845	72.55	.3145	56593145	72.55
.1950	56591950	71.50	.2250	56592250	71.50	.2550	56592550	72.55	.2850	56592850	72.55	.3150	5659080	72.55
.1955	56591955	71.50	.2255	56592255	71.50	.2555	56592555	72.55	.2855	56592855	72.55	.3155	56593155	74.55
.1960	56591960	71.50	.2260	56592260	71.50	.2560	56592560	72.55	.2860	56592860	72.55	.3160	56593160	74.55
.1965	56591965	71.50	.2265	56592265	71.50	.2565	56592565	72.55	.2865	56592865	72.55	.3165	56593165	74.55
.1970	56591970	71.50	.2270	56592270	71.50	.2570	56592570	72.55	.2870	56592870	72.55	.3170	56593170	74.55
.1975	56591975	71.50	.2275	56592275	71.50	.2575	56592575	72.55	.2875	56592875	72.55	.3175	56593175	74.55
.1980	56591980	71.50	.2280	56592280	71.50	.2580	56592580	72.55	.2880	56592880	72.55	.3180	56593180	74.55
.1985	56591985	71.50	.2285	56592285	71.50	.2585	56592585	72.55	.2885	56592885	72.55	.3185	56593185	74.55
.1990	56591990	71.50	.2290	56592290	71.50	.2590	56592590	72.55	.2890	56592890	72.55	.3190	56593190	74.55
.1995	56591995	71.50	.2295	56592295	71.50	.2595	56592595	72.55	.2895	56592895	72.55	.3195	56593195	74.55
.2000	56592000	71.50	.2300	56592300	71.50	.2600	56592600	72.55	.2900	56592900	72.55	.3200	56593200	74.55
.2005	56592005	71.50	.2305	56592305	71.50	.2605	56592605	72.55	.2905	56592905	72.55	.3205	56593205	74.55
.2010	56592010	71.50	.2310	56592310	71.50	.2610	56592610	72.55	.2910	56592910	72.55	.3210	56593210	74.55
.2015	56592015	71.50	.2315	56592315	71.50	.2615	56592615	72.55	.2915	56592915	72.55	.3215	56593215	74.55
.2020	56592020	71.50	.2320	56592320	71.50	.2620	56592620	72.55	.2920	56592920	72.55	.3220	56593220	74.55
.2025	56592025	71.50	.2325	56592325	71.50	.2625	56592625	72.55	.2925	56592925	72.55	.3225	56593225	74.55
.2030	56592030	71.50	.2330	56592330	71.50	.2630	56592630	72.55	.2930	56592930	72.55	.3230	56593230	74.55
.2035	56592035	71.50	.2335	56592335	71.50	.2635	56592635	72.55	.2935	56592935	72.55	.3235	56593235	74.55
.2040	56592040	71.50	.2340	56592340	71.50	.2640	56592640	72.55	.2940	56592940	72.55	.3240	56593240	74.55
.2045	56592045	71.50	.2345	56592345	71.50	.2645	56592645	72.55	.2945	56592945	72.55	.3245	56593245	74.55
.2050	56592050	71.50	.2350	56592350	71.50	.2650	56592650	72.55	.2950	56592950	72.55	.3250	56593250	74.55
.2055	56592055	71.50	.2355	56592355	71.50	.2655	56592655	72.55	.2955	56592955	72.55	.3255	56593255	74.55
.2060	56592060	71.50	.2360	56592360	71.50	.2660	56592660	72.55	.2960	56592960	72.55	.3260	56593260	74.55
.2065	56592065	71.50	.2365	56592365	71.50	.2665	56592665	72.55	.2965	56592965	72.55	.3265	56593265	74.55



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5659 - Straight Shank - Full Flute Length Carbide

Use: Same as page 50.



STOCKED DECIMAL TOOL DIAMETERS .3270" THRU .4765"

DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH
.3270	56593270	\$74.55	.3570	56593570	\$74.55	.3870	56593870	\$77.65	.4170	56594170	\$82.65	.4470	56594470	\$88.20
.3275	56593275	74.55	.3575	56593575	74.55	.3875	56593875	77.65	.4175	56594175	82.65	.4475	56594475	88.20
.3280	56593280	74.55	.3580	56593580	74.55	.3880	56593880	77.65	.4180	56594180	82.65	.4480	56594480	88.20
.3285	56593285	74.55	.3585	56593585	74.55	.3885	56593885	77.65	.4185	56594185	82.65	.4485	56594485	88.20
.3290	56593290	74.55	.3590	56593590	74.55	.3890	56593890	77.65	.4190	56594190	82.65	.4490	56594490	88.20
.3295	56593295	74.55	.3595	56593595	74.55	.3895	56593895	77.65	.4195	56594195	82.65	.4495	56594495	88.20
.3300	56593300	74.55	.3600	56593600	74.55	.3900	56593900	77.65	.4200	56594200	82.65	.4500	56594500	88.20
.3305	56593305	74.55	.3605	56593605	74.55	.3905	56593905	77.65	.4205	56594205	82.65	.4505	56594505	88.20
.3310	56593310	74.55	.3610	56593610	74.55	.3910	56593910	77.65	.4210	56594210	82.65	.4510	56594510	88.20
.3315	56593315	74.55	.3615	56593615	74.55	.3915	56593915	77.65	.4215	56594215	82.65	.4515	56594515	88.20
.3320	56593320	74.55	.3620	56593620	74.55	.3920	56593920	77.65	.4220	56594220	82.65	.4520	56594520	88.20
.3325	56593325	74.55	.3625	56593625	74.55	.3925	56593925	77.65	.4225	56594225	82.65	.4525	56594525	88.20
.3330	56593330	74.55	.3630	56593630	74.55	.3930	56593930	77.65	.4230	56594230	82.65	.4530	56594530	88.20
.3335	56593335	74.55	.3635	56593635	74.55	.3935	56593935	77.65	.4235	56594235	82.65	.4535	56594535	88.20
.3340	56593340	74.55	.3640	56593640	74.55	.3940	56593940	77.65	.4240	56594240	82.65	.4540	56594540	88.20
.3345	56593345	74.55	.3645	56593645	74.55	.3945	56593945	77.65	.4245	56594245	82.65	.4545	56594545	88.20
.3350	56593350	74.55	.3650	56593650	74.55	.3950	56593950	77.65	.4250	56594250	82.65	.4550	56594550	88.20
.3355	56593355	74.55	.3655	56593655	74.55	.3955	56593955	77.65	.4255	56594255	82.65	.4555	56594555	88.20
.3360	56593360	74.55	.3660	56593660	74.55	.3960	56593960	77.65	.4260	56594260	82.65	.4560	56594560	88.20
.3365	56593365	74.55	.3665	56593665	74.55	.3965	56593965	77.65	.4265	56594265	82.65	.4565	56594565	88.20
.3370	56593370	74.55	.3670	56593670	74.55	.3970	56593970	77.65	.4270	56594270	82.65	.4570	56594570	88.20
.3375	56593375	74.55	.3675	56593675	74.55	.3975	56593975	77.65	.4275	56594275	82.65	.4575	56594575	88.20
.3380	56593380	74.55	.3680	56593680	74.55	.3980	56593980	77.65	.4280	56594280	82.65	.4580	56594580	88.20
.3385	56593385	74.55	.3685	56593685	74.55	.3985	56593985	77.65	.4285	56594285	82.65	.4585	56594585	88.20
.3390	56593390	74.55	.3690	56593690	74.55	.3990	56593990	77.65	.4290	56594290	82.65	.4590	56594590	88.20
.3395	56593395	74.55	.3695	56593695	74.55	.3995	56593995	77.65	.4295	56594295	82.65	.4595	56594595	88.20
.3400	56593400	74.55	.3700	56593700	74.55	.4000	56594000	77.65	.4300	56594300	82.65	.4600	56594600	88.20
.3405	56593405	74.55	.3705	56593705	74.55	.4005	56594005	77.65	.4305	56594305	82.65	.4605	56594605	88.20
.3410	56593410	74.55	.3710	56593710	74.55	.4010	56594010	77.65	.4310	56594310	82.65	.4610	56594610	88.20
.3415	56593415	74.55	.3715	56593715	74.55	.4015	56594015	77.65	.4315	56594315	82.65	.4615	56594615	88.20
.3420	56593420	74.55	.3720	56593720	74.55	.4020	56594020	77.65	.4320	56594320	82.65	.4620	56594620	88.20
.3425	5659087	74.55	.3725	56593725	74.55	.4025	56594025	77.65	.4325	56594325	82.65	.4625	56594625	88.20
.3430	56593430	74.55	.3730	56593730	74.55	.4030	56594030	77.65	.4330	56594330	82.65	.4630	56594630	88.20
.3435	56593435	74.55	.3735	56593735	74.55	.4035	56594035	77.65	.4335	56594335	82.65	.4635	56594635	88.20
.3440	56593440	74.55	.3740	5659095	74.55	.4040	56594040	77.65	.4340	56594340	82.65	.4640	56594640	88.20
.3445	56593445	74.55	.3745	56593745	74.55	.4045	56594045	77.65	.4345	56594345	82.65	.4645	56594645	88.20
.3450	56593450	74.55	.3750	55524	59.60	.4050	56594050	77.65	.4350	56594350	82.65	.4650	56594650	88.20
.3455	56593455	74.55	.3755	56593755	74.55	.4055	5659103	77.65	.4355	56594355	82.65	.4655	56594655	88.20
.3460	56593460	74.55	.3760	56593760	74.55	.4060	56594060	77.65	.4360	56594360	82.65	.4660	56594660	88.20
.3465	5659088	74.55	.3765	56593765	74.55	.4065	56594065	77.65	.4365	56594365	82.65	.4665	56594665	88.20
.3470	56593470	74.55	.3770	56593770	74.55	.4070	56594070	77.65	.4370	5659111	82.65	.4670	56594670	88.20
.3475	56593475	74.55	.3775	56593775	74.55	.4075	56594075	77.65	.4375	55528	67.80	.4675	56594675	88.20
.3480	56593480	74.55	.3780	5659096	74.55	.4080	56594080	77.65	.4380	56594380	82.65	.4680	56594680	88.20
.3485	56593485	74.55	.3785	56593785	77.65	.4085	56594085	77.65	.4385	56594385	82.65	.4685	5659119	88.20
.3490	56593490	74.55	.3790	56593790	77.65	.4090	56594090	77.65	.4390	56594390	82.65	.4690	56594690	88.20
.3495	56593495	74.55	.3795	56593795	77.65	.4095	56594095	82.65	.4395	56594395	82.65	.4695	56594695	88.20
.3500	56593500	74.55	.3800	56593800	77.65	.4100	56594100	82.65	.4400	56594400	82.65	.4700	56594700	88.20
.3505	56593505	74.55	.3805	56593805	77.65	.4105	56594105	82.65	.4405	56594405	82.65	.4705	56594705	88.20
.3510	56593510	74.55	.3810	56593810	77.65	.4110	56594110	82.65	.4410	56594410	82.65	.4710	56594710	88.20
.3515	56593515	74.55	.3815	56593815	77.65	.4115	56594115	82.65	.4415	56594415	88.20	.4715	56594715	88.20
.3520	56593520	74.55	.3820	56593820	77.65	.4120	56594120	82.65	.4420	56594420	88.20	.4720	56594720	88.20
.3525	56593525	74.55	.3825	56593825	77.65	.4125	56594125	82.65	.4425	56594425	88.20	.4725	56594725	94.60
.3530	56593530	74.55	.3830	56593830	77.65	.4130	56594130	82.65	.4430	56594430	88.20	.4730	56594730	94.60
.3535	56593535	74.55	.3835	56593835	77.65	.4135	56594135	82.65	.4435	56594435	88.20	.4735	56594735	94.60
.3540	56593540	74.55	.3840	56593840	77.65	.4140	56594140	82.65	.4440	56594440	88.20	.4740	56594740	94.60
.3545	56593545	74.55	.3845	56593845	77.65	.4145	56594145	82.65	.4445	56594445	88.20	.4745	56594745	94.60
.3550	56593550	74.55	.3850	56593850	77.65	.4150	56594150	82.65	.4450	56594450	88.20	.4750	56594750	94.60
.3555	56593555	74.55	.3855	56593855	77.65	.4155	56594155	82.65	.4455	56594455	88.20	.4755	56594755	94.60
.3560	56593560	74.55	.3860	56593860	77.65	.4160	56594160	82.65	.4460	56594460	88.20	.4760	56594760	94.60
.3565	56593565	74.55	.3865	56593865	77.65	.4165	56594165	82.65	.4465	56594465	88.20	.4765	56594765	94.60

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5659 - Straight Shank - Full Flute Length Carbide

Use: Same as page 50.



STOCKED DECIMAL TOOL DIAMETERS .4770" THRU .6265"

DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH	DEC. SIZE	LIST 5659 EDP NO.	PRICE EACH
.4770	56594770	\$94.60	.5070	56595070	\$96.70	.5370	56595370	\$96.70	.5670	56595670	\$99.80	.5970	56595970	\$99.80
.4775	56594775	94.60	.5075	56595075	96.70	.5375	56595375	96.70	.5675	56595675	99.80	.5975	56595975	99.80
.4780	56594780	94.60	.5080	56595080	96.70	.5380	56595380	96.70	.5680	56595680	99.80	.5980	56595980	99.80
.4785	56594785	94.60	.5085	56595085	96.70	.5385	56595385	96.70	.5685	56595685	99.80	.5985	56595985	99.80
.4790	56594790	94.60	.5090	56595090	96.70	.5390	56595390	96.70	.5690	56595690	99.80	.5990	56595990	99.80
.4795	56594795	94.60	.5095	56595095	96.70	.5395	56595395	96.70	.5695	56595695	99.80	.5995	56595995	99.80
.4800	56594800	94.60	.5100	56595100	96.70	.5400	56595400	96.70	.5700	56595700	99.80	.6000	56596000	99.80
.4805	56594805	94.60	.5105	56595105	96.70	.5405	56595405	96.70	.5705	56595705	99.80	.6005	56596005	99.80
.4810	56594810	94.60	.5110	56595110	96.70	.5410	56595410	96.70	.5710	56595710	99.80	.6010	56596010	99.80
.4815	56594815	94.60	.5115	56595115	96.70	.5415	56595415	96.70	.5715	56595715	99.80	.6015	56596015	99.80
.4820	56594820	94.60	.5120	56595120	96.70	.5420	56595420	96.70	.5720	56595720	99.80	.6020	56596020	99.80
.4825	56594825	94.60	.5125	56595125	96.70	.5425	56595425	96.70	.5725	56595725	99.80	.6025	56596025	99.80
.4830	56594830	94.60	.5130	56595130	96.70	.5430	56595430	96.70	.5730	56595730	99.80	.6030	56596030	99.80
.4835	56594835	94.60	.5135	56595135	96.70	.5435	56595435	96.70	.5735	56595735	99.80	.6035	56596035	99.80
.4840	56594840	94.60	.5140	56595140	96.70	.5440	56595440	96.70	.5740	56595740	99.80	.6040	56596040	99.80
.4845	56594845	94.60	.5145	56595145	96.70	.5445	56595445	96.70	.5745	56595745	99.80	.6045	56596045	99.80
.4850	56594850	94.60	.5150	56595150	96.70	.5450	56595450	96.70	.5750	56595750	99.80	.6050	56596050	99.80
.4855	56594855	94.60	.5155	56595155	96.70	.5455	56595455	96.70	.5755	56595755	99.80	.6055	56596055	99.80
.4860	56594860	94.60	.5160	56595160	96.70	.5460	56595460	96.70	.5760	56595760	99.80	.6060	56596060	99.80
.4865	56594865	94.60	.5165	56595165	96.70	.5465	56595465	96.70	.5765	56595765	99.80	.6065	56596065	99.80
.4870	56594870	94.60	.5170	56595170	96.70	.5470	56595470	96.70	.5770	56595770	99.80	.6070	56596070	99.80
.4875	56594875	94.60	.5175	56595175	96.70	.5475	56595475	96.70	.5775	56595775	99.80	.6075	56596075	99.80
.4880	56594880	94.60	.5180	56595180	96.70	.5480	56595480	96.70	.5780	56595780	99.80	.6080	56596080	99.80
.4885	56594885	94.60	.5185	56595185	96.70	.5485	56595485	96.70	.5785	56595785	99.80	.6085	56596085	99.80
.4890	56594890	94.60	.5190	56595190	96.70	.5490	56595490	96.70	.5790	56595790	99.80	.6090	56596090	99.80
.4895	56594895	94.60	.5195	56595195	96.70	.5495	56595495	96.70	.5795	56595795	99.80	.6095	56596095	99.80
.4900	56594900	94.60	.5200	56595200	96.70	.5500	56595500	96.70	.5800	56595800	99.80	.6100	56596100	99.80
.4905	56594905	94.60	.5205	56595205	96.70	.5505	56595505	96.70	.5805	56595805	99.80	.6105	56596105	99.80
.4910	56594910	94.60	.5210	56595210	96.70	.5510	56595510	96.70	.5810	56595810	99.80	.6110	56596110	99.80
.4915	56594915	94.60	.5215	56595215	96.70	.5515	56595515	96.70	.5815	56595815	99.80	.6115	56596115	99.80
.4920	56594920	94.60	.5220	56595220	96.70	.5520	56595520	96.70	.5820	56595820	99.80	.6120	56596120	99.80
.4925	56594925	94.60	.5225	56595225	96.70	.5525	56595525	96.70	.5825	56595825	99.80	.6125	56596125	99.80
.4930	56594930	94.60	.5230	56595230	96.70	.5530	56595530	96.70	.5830	56595830	99.80	.6130	56596130	99.80
.4935	56594935	94.60	.5235	56595235	96.70	.5535	56595535	96.70	.5835	56595835	99.80	.6135	56596135	99.80
.4940	56594940	94.60	.5240	56595240	96.70	.5540	56595540	96.70	.5840	56595840	99.80	.6140	56596140	99.80
.4945	56594945	94.60	.5245	56595245	96.70	.5545	56595545	96.70	.5845	56595845	99.80	.6145	56596145	99.80
.4950	56594950	94.60	.5250	56595250	96.70	.5550	56595550	96.70	.5850	56595850	99.80	.6150	56596150	99.80
.4955	56594955	94.60	.5255	56595255	96.70	.5555	56595555	96.70	.5855	56595855	99.80	.6155	56596155	99.80
.4960	56594960	94.60	.5260	56595260	96.70	.5560	56595560	96.70	.5860	56595860	99.80	.6160	56596160	99.80
.4965	56594965	94.60	.5265	56595265	96.70	.5565	56595565	96.70	.5865	56595865	99.80	.6165	56596165	99.80
.4970	56594970	94.60	.5270	56595270	96.70	.5570	56595570	96.70	.5870	56595870	99.80	.6170	56596170	99.80
.4975	56594975	94.60	.5275	56595275	96.70	.5575	56595575	96.70	.5875	56595875	99.80	.6175	56596175	99.80
.4980	56594980	94.60	.5280	56595280	96.70	.5580	56595580	96.70	.5880	56595880	99.80	.6180	56596180	99.80
.4985	56594985	94.60	.5285	56595285	96.70	.5585	56595585	96.70	.5885	56595885	99.80	.6185	56596185	99.80
.4990	56594990	94.60	.5290	56595290	96.70	.5590	56595590	96.70	.5890	56595890	99.80	.6190	56596190	99.80
.4995	56594995	94.60	.5295	56595295	96.70	.5595	56595595	96.70	.5895	56595895	99.80	.6195	56596195	99.80
.5000	55532	78.35	.5300	56595300	96.70	.5600	56595600	96.70	.5900	56595900	99.80	.6200	56596200	99.80
.5005	56595005	94.60	.5305	56595305	96.70	.5605	56595605	96.70	.5905	56595905	99.80	.6205	56596205	99.80
.5010	56595010	94.60	.5310	56595310	96.70	.5610	56595610	96.70	.5910	56595910	99.80	.6210	56596210	99.80
.5015	56595015	94.60	.5315	56595315	96.70	.5615	56595615	96.70	.5915	56595915	99.80	.6215	56596215	99.80
.5020	56595020	94.60	.5320	56595320	96.70	.5620	56595620	96.70	.5920	56595920	99.80	.6220	56596220	99.80
.5025	56595025	94.60	.5325	56595325	96.70	.5625	55536	80.60	.5925	56595925	99.80	.6225	56596225	99.80
.5030	56595030	94.60	.5330	56595330	96.70	.5630	56595630	96.70	.5930	56595930	99.80	.6230	56596230	99.80
.5035	56595035	96.70	.5335	56595335	96.70	.5635	56595635	96.70	.5935	56595935	99.80	.6235	56596235	99.80
.5040	56595040	96.70	.5340	56595340	96.70	.5640	56595640	96.70	.5940	56595940	99.80	.6240	56596240	99.80
.5045	56595045	96.70	.5345	56595345	96.70	.5645	56595645	96.70	.5945	56595945	99.80	.6245	56596245	99.80
.5050	56595050	96.70	.5350	56595350	96.70	.5650	56595650	96.70	.5950	56595950	99.80	.6250	55540	83.75
.5055	56595055	96.70	.5355	56595355	96.70	.5655	56595655	96.70	.5955	56595955	99.80	.6255	56596255	99.80
.5060	56595060	96.70	.5360	56595360	96.70	.5660	56595660	96.70	.5960	56595960	99.80	.6260	56596260	99.80
.5065	56595065	96.70	.5365	56595365	96.70	.5665	56595665	99.80	.5965	56595965	99.80	.6265	56596265	99.80

CNC STUB/SCREW MACHINE REAMERS

CARBIDE TIPPED

List No. 5670 - Straight Flute - Full Flute Length Carbide

Use: Recommended for use in horizontal reaming in blind holes where chips are a problem. Full flute length carbide for close tolerances, smooth finishes, and extra regrinds. Hardened alloy steel bodies with brazed on carbide tips.

List No. 5669 - Left Hand Spiral - Full Flute Length Carbide

Use: Left hand spiral flutes for better finishes on heat treated steels and other hard materials. Left spiral flutes tend to bridge interruptions (e.g., elongated slots, perforations). Use in through holes only. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		SHANK DIAM.	PIN HOLE DIAM.	NO. OF FLTS.	FLT. LEN.	OAL	STRAIGHT LIST 5670 EDP NO.	LEFT SPIRAL LIST 5669 EDP NO.	BOTH LIST PRICE	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.										1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14**
*.1875	3/16	1/4	3/32	4	1	2 1/4	59276	59226	\$61.50	.1770 - .2040	\$106.55	\$84.00	\$76.40	\$72.85	\$68.95	65.85
*.2188	7/32	1/4	3/32	4	1	2 1/4	59277	59227	61.50	.2041 - .2210	106.55	84.00	76.40	72.85	68.95	65.85
*.2344	15/64	1/4	3/32	4	1	2 1/4	59278	59228	61.50	.2211 - .2380	106.55	84.00	76.40	72.85	68.95	65.85
*.2500	1/4	1/4	3/32	4	1	2 1/4	59279	59229	61.50	.2381 - .2530	106.55	84.00	76.40	72.85	68.95	65.85
*.2812	9/32	3/8	1/8	4	1	2 1/4	59251	59201	61.50	.2531 - .2840	106.55	84.00	76.40	72.85	68.95	65.85
.3125	5/16	3/8	1/8	4	1	2 1/4	59252	59202	71.50	.2841 - .3150	116.55	93.90	86.45	82.85	78.90	75.90
.3438	11/32	3/8	1/8	4	1 1/4	2 1/2	59253	59203	72.00	.3151 - .3470	117.20	94.65	87.05	83.55	79.55	76.55
.3750	3/8	3/8	1/8	4	1 1/4	2 1/2	59254	59204	78.20	.3471 - .3780	123.35	100.75	93.20	89.45	85.65	82.55
.4062	13/32	1/2	3/16	4	1 1/4	2 1/2	59255	59205	79.30	.3781 - .4090	124.50	101.75	94.30	90.65	86.70	83.75
.4375	7/16	1/2	3/16	4	1 1/4	2 1/2	59256	59206	93.85	.4091 - .4410	139.05	116.45	108.80	105.25	101.40	98.40
.4688	15/32	1/2	3/16	4	1 1/4	2 1/2	59257	59207	93.85	.4411 - .4720	139.05	116.45	108.80	105.25	101.40	98.40
.5000	1/2	1/2	3/16	4	1 1/4	2 1/2	59258	59208	102.75	.4721 - .5030	149.20	125.90	118.15	114.50	110.40	107.35
.5312	17/32	5/8	1/4	6	1 1/2	3	59259	59209	102.75	.5031 - .5340	149.20	125.90	118.15	114.50	110.40	107.35
.5625	9/16	5/8	1/4	6	1 1/2	3	59260	59210	108.35	.5341 - .5660	154.55	131.40	123.50	119.90	115.90	112.70
.5938	19/32	5/8	1/4	6	1 1/2	3	59261	59211	108.35	.5661 - .5970	154.55	131.40	123.50	119.90	115.90	112.70
.6250	5/8	5/8	1/4	6	1 1/2	3	59262	59212	111.15	.5971 - .6280	157.55	134.35	126.55	122.75	118.80	115.75
.6562	21/32	5/8	1/4	6	1 1/2	3	59263	59213	111.15	.6281 - .6590	157.55	134.35	126.55	122.75	118.80	115.75
.6875	11/16	5/8	1/4	6	1 1/2	3	59264	59214	116.35	.6591 - .6910	162.65	139.50	131.75	127.95	124.00	120.90
.7188	23/32	3/4	5/16	6	1 1/2	3	59265	59215	116.35	.6911 - .7220	162.65	139.50	131.75	127.95	124.00	120.90
.7500	3/4	3/4	5/16	6	1 1/2	3	59266	59216	119.40	.7221 - .7530	165.55	142.45	134.65	130.90	126.95	123.90
.7812	25/32	3/4	5/16	6	1 1/2	3	59267	59217	119.40	.7531 - .7840	165.55	142.45	134.65	130.90	126.95	123.90
.8125	13/16	3/4	5/16	6	1 1/2	3	59268	59218	129.55	.7841 - .8160	175.90	152.80	144.90	141.25	137.25	134.25
.8438	27/32	3/4	5/16	6	1 1/2	3	59269	59219	129.55	.8161 - .8470	175.90	152.80	144.90	141.25	137.25	134.25
.8750	7/8	3/4	5/16	6	1 1/2	3	59270	59220	141.65	.8471 - .8780	189.75	165.50	157.45	153.65	149.50	146.30
.9062	29/32	3/4	5/16	6	1 1/2	3	59271	59221	141.65	.8781 - .9090	189.75	165.50	157.45	153.65	149.50	146.30
.9375	15/16	3/4	5/16	6	1 1/2	3	59272	59222	155.95	.9091 - .9410	204.00	180.00	171.90	168.05	164.00	160.70
.9688	31/32	3/4	5/16	8	1 1/2	3	59273	59223	155.95	.9411 - .9720	204.00	180.00	171.90	168.05	164.00	160.70
1.0000	1	3/4	5/16	8	1 1/2	3	59274	59224	163.55	.9721 - 1.0030	211.70	187.70	179.55	175.75	171.55	168.35
1.0625	1 1/16	3/4	5/16	8	1 1/2	3	59275	59225	163.55	1.0031 - 1.0660	211.70	187.70	179.55	175.75	171.55	168.35
1.1250	1 1/8	3/4	5/16	8	1 1/2	3	59286	59236	191.50	1.0661 - 1.1280	239.65	215.40	207.40	203.65	199.45	196.15
1.1875	1 3/16	3/4	5/16	8	1 1/2	3	59287	59237	199.60	1.1281 - 1.1905	247.85	223.70	215.55	211.70	207.65	204.35
1.2500	1 1/4	3/4	5/16	8	1 1/2	3	59288	59238	233.85	1.1906 - 1.2530	282.05	257.95	249.95	246.00	241.95	238.65
1.3125	1 5/16	3/4	5/16	8	1 1/2	3	59289	59239	233.85	1.2531 - 1.3155	282.05	257.95	249.95	246.00	241.95	238.65
1.3750	1 3/8	3/4	5/16	8	1 1/2	3	59280	59230	237.25	1.3156 - 1.3780	285.35	261.20	253.35	249.35	245.40	242.10
1.4375	1 7/16	3/4	5/16	8	1 1/2	3	59281	59231	276.55	1.3781 - 1.4405	324.80	300.60	292.60	288.70	284.60	281.40
1.5000	1 1/2	3/4	5/16	8	1 1/2	3	59282	59232	332.10	1.4406 - 1.5030	380.25	356.25	348.15	344.30	340.05	336.80

*1/2" carbide length.

**Quantities of 15 or more; price of fractional size in same size range.

SUPER TOOL, INC. - www.supertoolinc.com - sales@supertoolinc.com

55

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 401 - Straight Shank - Full Flute Length Carbide - For Steel & Steel Alloys

Use: The geometry and carbide grade of this reamer work especially well in steel and the flute long carbide ensures straighter holes. Hardened alloy steel bodies with brazed on C-6 carbide tips.



TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLUTES	FLUTE LENGTH	OVERALL LENGTH	LIST 401 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRACTION								1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1875	3/16	.1805	4	1 1/8	4 1/2	401012	\$67.55	.1770 - .2040	\$112.80	\$90.15	\$82.55	\$79.00	\$75.15	\$72.00
.2031	13/64	.1805	4	1 1/8	4 1/2	401013	67.55	-	-	-	-	-	-	-
.2188	7/32	.2075	4	1 1/4	5	401014	67.55	.2041 - .2210	112.80	90.15	82.55	79.00	75.15	72.00
.2344	15/64	.2265	4	1 1/2	6	401015	67.55	.2211 - .2380	112.80	90.15	82.55	79.00	75.15	72.00
.2500	1/4	.2405	4	1 1/2	6	401016	67.55	.2381 - .2530	112.80	90.15	82.55	79.00	75.15	72.00
.2656	17/64	.2485	4	1 1/2	6	401017	69.05	-	-	-	-	-	-	-
.2812	9/32	.2485	4	1 1/2	6	401018	69.05	.2531 - .2840	114.25	91.70	84.05	80.55	76.60	73.65
.2969	19/64	.2792	4	1 1/2	6	401019	69.05	-	-	-	-	-	-	-
.3125	5/16	.2792	4	1 1/2	6	401020	69.05	.2841 - .3150	114.25	91.70	84.05	80.55	76.60	73.65
.3281	21/64	.2792	4	1 1/2	6	401021	71.60	-	-	-	-	-	-	-
.3438	11/32	.2792	4	1 1/2	6	401022	71.60	.3151 - .3470	116.85	94.05	86.55	82.95	79.15	76.10
.3594	23/64	.3105	4	1 3/4	7	401023	71.60	-	-	-	-	-	-	-
.3750	3/8	.3105	4	1 3/4	7	401024	71.60	.3471 - .3780	116.85	94.05	86.55	82.95	79.15	76.10
.3906	25/64	.3105	4	1 3/4	7	401025	75.15	-	-	-	-	-	-	-
.4062	13/32	.3105	4	1 3/4	7	401026	75.15	.3781 - .4090	120.25	97.65	90.10	86.50	82.55	79.55
.4219	27/64	.3730	6	1 3/4	7	401027	87.05	-	-	-	-	-	-	-
.4375	7/16	.3730	6	1 3/4	7	401028	87.05	.4091 - .4410	132.20	109.55	102.05	98.45	94.60	91.55
.4531	29/64	.3730	6	1 3/4	7	401029	87.80	-	-	-	-	-	-	-
.4688	15/32	.3730	6	1 3/4	7	401030	87.80	.4411 - .4720	133.10	110.30	102.90	99.25	95.30	92.30
.4844	31/64	.4355	6	2	8	401031	94.05	-	-	-	-	-	-	-
.5000	1/2	.4355	6	2	8	401032	94.05	.4721 - .5030	142.55	118.30	110.20	106.30	102.15	98.95
.5156	33/64	.4355	6	2	8	401033	96.80	-	-	-	-	-	-	-
.5312	17/32	.4355	6	2	8	401034	96.80	.5031 - .5340	145.20	120.95	112.80	108.95	104.85	101.50
.5469	35/64	.4355	6	2	8	401035	96.80	-	-	-	-	-	-	-
.5625	9/16	.4355	6	2	8	401036	96.80	.5341 - .5660	145.20	120.95	112.80	108.95	104.85	101.50
.5781	37/64	.4355	6	2	8	401037	100.45	-	-	-	-	-	-	-
.5938	19/32	.4355	6	2	8	401038	100.45	.5661 - .5970	148.85	124.70	116.50	112.60	108.50	105.25
.6094	39/64	.5615	6	2 1/4	9	401039	100.45	-	-	-	-	-	-	-
.6250	5/8	.5615	6	2 1/4	9	401040	100.45	.5971 - .6280	148.85	124.70	116.50	112.60	108.50	105.25
.6406	41/64	.5615	6	2 1/4	9	401041	102.35	-	-	-	-	-	-	-
.6562	21/32	.5615	6	2 1/4	9	401042	102.35	.6281 - .6590	150.85	126.55	118.35	114.55	110.30	107.15
.6719	43/64	.5615	6	2 1/4	9	401043	102.35	-	-	-	-	-	-	-
.6875	11/16	.5615	6	2 1/4	9	401044	102.35	.6591 - .6910	150.85	126.55	118.35	114.55	110.30	107.15
.7031	45/64	.5615	6	2 1/4	9	401045	107.05	-	-	-	-	-	-	-
.7188	23/32	.5615	6	2 1/4	9	401046	107.05	.6911 - .7220	155.45	131.05	123.20	119.25	115.10	111.75
.7344	47/64	.6245	6	2 1/2	9 1/2	401047	107.05	-	-	-	-	-	-	-

*Quantities of 15 or more: price of fractional size in same size range.



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Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 401 - Straight Shank - Full Flute Length Carbide - For Steel & Steel Alloys

Continued from previous page.

TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLUTES	LENGTH		LIST 401 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRAC.			FLUTE	OVER-ALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.7500	3/4	.6245	6	2 1/2	9 1/2	401048	\$107.05	.7221 - .7530	\$155.45	\$131.05	\$123.20	\$119.25	\$115.10	\$111.75
.7656	49/64	.6245	6	2 1/2	9 1/2	401049	110.80	-	-	-	-	-	-	-
.7812	25/32	.6245	6	2 1/2	9 1/2	401050	110.80	.7531 - .7840	159.05	134.80	126.70	122.75	118.70	115.35
.7969	51/64	.6245	6	2 1/2	9 1/2	401051	110.80	-	-	-	-	-	-	-
.8125	13/16	.6245	6	2 1/2	9 1/2	401052	110.80	.7841 - .8160	159.05	134.80	126.70	122.75	118.70	115.35
.8281	53/64	.6245	6	2 1/2	9 1/2	401053	115.20	-	-	-	-	-	-	-
.8438	27/32	.6245	6	2 1/2	9 1/2	401054	115.20	.8161 - .8470	163.50	139.15	131.05	127.35	123.25	119.85
.8594	55/64	.7495	6	2 5/8	10	401055	115.20	-	-	-	-	-	-	-
.8750	7/8	.7495	6	2 5/8	10	401056	119.55	.8471 - .8780	169.65	144.55	136.10	132.10	127.75	124.35
.8906	57/64	.7495	6	2 5/8	10	401057	139.10	-	-	-	-	-	-	-
.9062	29/32	.7495	6	2 5/8	10	401058	139.10	.8781 - .9090	189.40	164.25	155.70	151.70	147.40	144.00
.9219	59/64	.7495	8	2 5/8	10	401059	139.10	-	-	-	-	-	-	-
.9375	15/16	.7495	8	2 5/8	10	401060	139.10	.9091 - .9410	189.40	164.25	155.70	151.70	147.40	144.00
.9531	61/64	.7495	8	2 5/8	10	401061	145.80	-	-	-	-	-	-	-
.9688	31/32	.7495	8	2 5/8	10	401062	145.80	.9411 - .9720	196.05	170.95	162.40	158.35	154.05	150.65
.9844	63/64	.8745	8	2 3/4	10 1/2	401063	145.80	-	-	-	-	-	-	-
1.0000	1	.8745	8	2 3/4	10 1/2	401064	145.80	.9721 - 1.0030	196.05	170.95	162.40	158.35	154.05	150.65
1.0625	1 1/16	.8745	8	2 3/4	10 1/2	401068	150.75	1.0031 - 1.0660	198.90	174.65	166.75	162.85	158.70	155.50
1.1250	1 1/8	.8745	8	2 7/8	11	401072	163.30	1.0661 - 1.1280	211.40	187.25	179.15	175.35	171.25	167.90
1.1875	1 3/16	.9995	8	2 7/8	11	401076	178.80	1.1281 - 1.1905	227.00	202.80	194.80	190.90	186.80	183.50
1.2500	1 1/4	.9995	8	3	11 1/2	401080	199.30	1.1906 - 1.2530	247.40	223.25	215.15	211.40	207.25	203.95

*Quantities of 15 or more: price of fractional size in same size range.

DOWEL PIN & OVER/UNDER SIZE REAMERS

CARBIDE TIPPED

List No. 9486 - Dowel Pin Sizes - Straight Flute & Shank - For Steel & Steel Alloys

Use: When used in pairs, these reamers allow disassembly of dies and molds keeping dowel pins on the same side. Pairs are .0005" & .002" under standard dowel pin diameters.

List No. 9488 - Over/Under Sizes - Straight Flute & Shank - For Steel & Steel Alloys

Use: For finishing accurate holes in steel and steel alloys.

Special tool diameter tolerance: +0"/-.0002"

TOOL DIAMETER	MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 9486 EDP NO.	PRICE EACH
			FLT	OAL		
.1855	.1805	4	1 1/8	4 1/2	948617	\$84.50
.1870	.1805	4	1 1/8	4 1/2	948618	84.50
.2480	.2405	4	1 1/2	6	948623	84.50
.2495	.2405	4	1 1/2	6	948624	84.50
.3105	.2792	4	1 1/2	6	948630	86.00
.3120	.2792	4	1 1/2	6	948631	86.00
.3730	.3105	4	1 3/4	7	948636	88.55
.3745	.3105	4	1 3/4	7	948637	88.55
.4355	.3730	6	1 3/4	7	948642	104.00
.4370	.3730	6	1 3/4	7	948643	104.00
.4980	.4355	6	2	8	948648	112.30
.4995	.4355	6	2	8	948649	112.30
CASED SET OF ABOVE 12 REAMERS					948600	1063.80

Tool diameter tolerance: +.0002"/-0"

TOOL DIAMETER	MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 9488 EDP NO.	PRICE EACH
			FLT	OAL		
.1865	.1805	4	1 1/8	4 1/2	948818	\$84.50
.1885	.1805	4	1 1/8	4 1/2	948819	84.50
.2490	.2405	4	1 1/2	6	948824	84.50
.2510	.2405	4	1 1/2	6	948825	84.50
.3115	.2792	4	1 1/2	6	948831	86.00
.3135	.2792	4	1 1/2	6	948832	86.00
.3740	.3105	4	1 3/4	7	948837	88.55
.3760	.3105	4	1 3/4	7	948838	88.55
.4365	.3730	6	1 3/4	7	948843	104.00
.4385	.3730	6	1 3/4	7	948844	104.00
.4990	.4355	6	2	8	948849	112.30
.5010	.4355	6	2	8	948850	112.30
CASED SET OF ABOVE 12 REAMERS					948800	1063.80

CHUCKING REAMERS - SPIRAL FLUTE

CARBIDE TIPPED

List No. 5653 - Straight Shank - Right Hand Spiral - Partial Flute Length Carbide

Use: For blind holes. For reaming ductile and abrasive materials. Hardened alloy steel bodies with brazed on carbide tips.



List No. 5651 - Straight Shank - Left Hand Spiral - Partial Flute Length Carbide

Use: For through holes. For reaming heat treated steels, castings and other hard materials. NOT to be used in blind hole reaming applications. Automotive tang available upon request. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLTS.	LENGTH			LIST 5653 RIGHT EDP NO.	LIST 5651 LEFT EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRACTION			FLT.	CARB.	OVER-ALL					1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1875	3/16	1/64	4	1 1/8	1/2	4 1/2	55148	55098	\$66.35	.1770 - .2040	\$109.45	\$87.80	\$80.60	\$77.10	\$73.40	\$70.65
.2188	7/32	13/64	4	1 1/4	1/2	5	55149	55099	66.35	.2041 - .2210	109.45	87.80	80.60	77.10	73.40	70.65
.2344	15/64	7/32	4	1 1/2	1/2	6	55150	55100	66.35	.2211 - .2380	109.45	87.80	80.60	77.10	73.40	70.65
.2500	1/4	15/64	4	1 1/2	1/2	6	55151	55101	66.35	.2381 - .2530	109.45	87.80	80.60	77.10	73.40	70.65
.2812	9/32	15/64	4	1 1/2	1/2	6	55152	55102	66.60	.2531 - .2840	109.55	88.00	80.70	77.30	73.65	70.75
.3125	5/16	9/32	4	1 1/2	1/2	6	55153	55103	66.60	.2841 - .3150	109.55	88.00	80.70	77.30	73.65	70.75
.3438	11/32	9/32	4	1 1/2	5/8	6	55154	55104	73.20	.3151 - .3470	116.30	94.65	87.45	84.05	80.35	77.55
.3750	3/8	5/16	4	1 3/4	5/8	7	55155	55105	73.90	.3471 - .3780	116.95	95.35	88.10	84.80	81.15	78.20
.4062	13/32	5/16	4	1 3/4	5/8	7	55156	55106	77.20	.3781 - .4090	120.35	98.75	91.55	88.05	84.30	81.45
.4375	7/16	3/8	4	1 3/4	5/8	7	55157	55107	80.35	.4091 - .4410	123.35	101.80	94.60	91.15	87.45	84.55
.4688	15/32	3/8	4	1 3/4	5/8	7	55158	55108	85.25	.4411 - .4720	128.35	106.75	99.60	96.10	92.45	89.40
.5000	1/2	7/16	6	2	5/8	8	55159	55109	88.55	.4721 - .5030	132.60	110.40	103.05	99.60	95.85	92.80
.5312	17/32	7/16	6	2	5/8	8	55168	55118	91.15	.5031 - .5340	135.40	113.20	105.85	102.25	98.55	95.50
.5625	9/16	7/16	6	2	5/8	8	55160	55110	91.15	.5341 - .5660	135.40	113.20	105.85	102.25	98.55	95.50
.5938	19/32	7/16	6	2	5/8	8	55169	55119	93.90	.5661 - .5970	138.10	115.95	108.50	104.95	101.20	98.15
.6250	5/8	7/16	6	2 1/4	5/8	9	55161	55111	93.90	.5971 - .6280	138.10	115.95	108.50	104.95	101.20	98.15
.6562	21/32	9/16	6	2 1/4	5/8	9	55170	55120	96.60	.6281 - .6590	140.85	118.70	111.20	107.70	103.80	101.00
.6875	11/16	9/16	6	2 1/4	5/8	9	55162	55112	102.90	.6591 - .6910	147.00	124.85	117.45	113.90	110.15	107.20
.7188	23/32	9/16	6	2 1/4	5/8	9	55171	55121	104.25	.6911 - .7220	148.45	126.25	118.85	115.35	111.60	108.55
.7500	3/4	5/8	6	2 1/2	3/4	9 1/2	55163	55113	105.90	.7221 - .7530	150.05	127.95	120.55	117.00	113.20	110.20
.7812	25/32	5/8	6	2 1/2	3/4	9 1/2	55172	55122	108.55	.7531 - .7840	152.85	130.75	123.30	119.75	115.95	112.95
.8125	13/16	5/8	6	2 1/2	3/4	9 1/2	55164	55114	108.55	.7841 - .8160	152.85	130.75	123.30	119.75	115.95	112.95
.8438	27/32	5/8	6	2 1/2	3/4	9 1/2	55173	55123	114.55	.8161 - .8470	158.85	136.60	129.25	125.70	121.85	118.85
.8750	7/8	3/4	6	2 5/8	3/4	10	55165	55115	118.85	.8471 - .8780	164.75	141.80	133.95	130.40	126.45	123.35
.9062	29/32	3/4	6	2 5/8	3/4	10	55174	55124	138.45	.8781 - .9090	184.30	161.40	153.75	150.00	146.05	143.05
.9375	15/16	3/4	8	2 5/8	3/4	10	55166	55116	138.45	.9091 - .9410	184.30	161.40	153.75	150.00	146.05	143.05
.9688	31/32	3/4	8	2 5/8	3/4	10	55175	55125	145.20	.9411 - .9720	191.15	168.10	160.55	156.75	152.80	149.80
1.0000	1	7/8	8	2 3/4	3/4	10 1/2	55167	55117	145.20	.9721 - 1.0030	191.15	168.10	160.55	156.75	152.80	149.80
1.0625	1 1/16	7/8	8	2 3/4	3/4	10 1/2	55176	55126	155.80	1.0031 - 1.0660	201.70	178.70	171.05	167.25	163.35	160.30
1.1250	1 1/8	7/8	8	2 7/8	7/8	11	55177	55127	160.65	1.0661 - 1.1280	206.40	183.50	175.80	172.15	168.20	165.15
1.1875	1 3/16	1	8	2 7/8	7/8	11	55178	55128	168.80	1.1281 - 1.1905	214.60	191.60	183.95	180.25	176.40	173.25
1.2500	1 1/4	1	8	3	7/8	11 1/2	55179	55129	178.65	1.1906 - 1.2530	224.50	201.50	193.80	190.15	186.20	183.20
1.3125	1 5/16	1	8	3	7/8	11 1/2	55180	55130	197.60	1.2531 - 1.3155	243.60	220.60	212.75	209.20	205.25	202.20
1.3750	1 3/8	1	8	3 1/4	7/8	12	55181	55131	216.60	1.3156 - 1.3780	262.40	239.50	231.80	228.20	224.15	221.10
1.4375	1 7/16	1 1/4	8	3 1/4	7/8	12	55182	55132	229.40	1.3781 - 1.4405	275.30	252.30	244.60	241.05	237.05	233.90
1.5000	1 1/2	1 1/4	8	3 1/2	7/8	12 1/2	55183	55133	242.40	1.4406 - 1.5030	288.20	265.20	257.65	253.75	250.00	246.85

*Quantities of 15 or more: price of fractional size in same size range.



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Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - EXTENDED LENGTH

CARBIDE TIPPED

List No. 9458EL - Straight Shank - Straight Flute - Extended Overall Length

Use: Extended length versions of type 9458 on page 71. Specify the overall length and the diameter when ordering. Centers are supplied at the maximum overall length only. Controlled shank provided on all extended length reamers. Excellent for reaming holes where more reach is required than a standard size reamer can provide. Full flute length carbide. For use in most materials including steels, stainless steels, cast irons, aluminums, and many composites including graphite, epoxy based, and metal matrix. Conforms with specification NAS 897 - Type C. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER DECIMAL SIZE RANGE	MAX. SHANK DIAM.	NO. OF FLTS.	FLUTE LENGTH	LIST 9458EL EDP NO.	OVERALL LENGTH RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
						1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14**
*.1121 - .1280	.1099	4	1 ½	645804EL	2 ½ ₃₂ - 6	\$325.25	\$284.85	\$271.30	\$264.90	\$258.05	\$252.50
*.1281 - .1435	.1255	4	1 ½	6458045EL	2 17 ₃₂ - 6 ½	326.40	286.05	272.55	266.00	259.00	253.65
*.1436 - .1590	.1411	4	1 ½	645805EL	2 17 ₃₂ - 7	331.85	291.40	277.85	271.35	264.50	258.95
*.1591 - .1750	.1567	4	1 ½	6458055EL	2 25 ₃₂ - 8	338.10	297.60	284.15	277.70	270.75	265.30
*.1751 - .1910	.1724	4	1 ½	645806EL	4 17 ₃₂ - 9	347.05	306.65	293.00	286.75	279.65	274.25
*.1911 - .2210	.1880	4	1 ½	645807EL	5 13 ₃₂ - 10	358.65	318.45	304.85	298.45	291.45	286.05
*.2211 - .2530	.2193	4	1 ½	645808EL	6 13 ₃₂ - 12	381.95	341.50	328.05	321.60	314.70	309.25
*.2531 - .2840	.2505	4	1 ½	645809EL	6 13 ₃₂ - 12	401.85	361.45	348.00	341.40	334.60	329.00
.2841 - .3150	.2792	4	1 ½	645810EL	6 13 ₃₂ - 12	285.15	244.75	231.25	224.75	217.85	212.45
.3151 - .3470	.2792	4	1 ½	645811EL	6 13 ₃₂ - 12	285.15	244.75	231.25	224.75	217.85	212.45
.3471 - .3780	.3105	4	1 ¾	645812EL	7 13 ₃₂ - 14	294.45	254.15	240.65	234.05	227.15	221.70
.3781 - .4090	.3105	4	1 ¾	645813EL	7 13 ₃₂ - 14	294.45	254.15	240.65	234.05	227.15	221.70
.4091 - .4410	.3730	6	1 ¾	645814EL	7 13 ₃₂ - 14	303.85	263.35	249.95	243.35	236.50	231.05
.4411 - .4720	.3730	6	1 ¾	645815EL	7 13 ₃₂ - 14	303.85	263.35	249.95	243.35	236.50	231.05
.4721 - .5030	.4355	6	2	645816EL	8 13 ₃₂ - 16	310.15	269.65	256.20	249.70	242.85	237.35
.5031 - .5340	.4355	6	2	645817EL	8 13 ₃₂ - 16	310.15	269.65	256.20	249.70	242.85	237.35
.5341 - .5660	.4355	6	2	645818EL	8 13 ₃₂ - 16	315.90	275.45	261.90	255.50	248.55	243.15
.5661 - .5970	.4355	6	2	645819EL	8 13 ₃₂ - 16	315.90	275.45	261.90	255.50	248.55	243.15
.5971 - .6280	.5615	6	2 ¼	645820EL	9 13 ₃₂ - 18	322.55	282.15	268.55	262.20	255.30	249.80
.6281 - .6590	.5615	6	2 ¼	645821EL	9 13 ₃₂ - 18	322.55	282.15	268.55	262.20	255.30	249.80
.6591 - .6910	.5615	6	2 ¼	645822EL	9 13 ₃₂ - 18	323.50	283.05	269.50	263.05	256.20	250.70
.6911 - .7220	.5615	6	2 ¼	645823EL	9 13 ₃₂ - 18	323.50	283.05	269.50	263.05	256.20	250.70
.7221 - .7530	.6245	6	2 ½	645824EL	9 17 ₃₂ - 18	347.20	306.75	293.20	286.85	280.00	274.45
.7531 - .7840	.6245	6	2 ½	645825EL	9 17 ₃₂ - 18	421.35	382.85	369.90	363.85	357.25	352.10
.7841 - .8160	.6245	6	2 ½	645826EL	9 17 ₃₂ - 18	434.75	396.25	383.35	377.30	370.70	365.45
.8161 - .8470	.6245	6	2 ½	645827EL	9 17 ₃₂ - 18	439.80	401.30	388.35	382.25	375.70	370.55
.8471 - .8780	.7495	6	2 ¾	645828EL	10 13 ₃₂ - 18	449.15	410.50	397.65	391.65	385.00	379.75
.8781 - .9090	.7495	6	2 ¾	645829EL	10 13 ₃₂ - 18	468.00	429.45	416.60	410.45	403.90	398.70
.9091 - .9410	.7495	8	2 ¾	645830EL	10 13 ₃₂ - 18	472.75	434.10	421.25	415.15	408.55	403.45
.9411 - .9720	.7495	8	2 ¾	645831EL	10 13 ₃₂ - 18	477.20	438.70	425.80	419.70	413.10	407.90
.9721 - 1.0030	.8745	8	2 ¾	645832EL	10 17 ₃₂ - 18	488.30	449.85	436.90	430.85	424.15	419.00

*Solid Carbide.

**Contact Super Tool for quantities of 15 or more.

SUPER TOOL, INC. - www.supertoolinc.com - sales@supertoolinc.com

Tolerances on page 42.

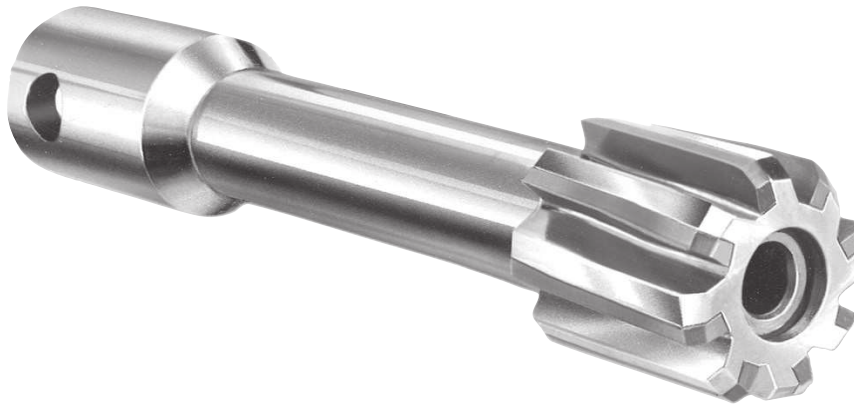
Made in the USA

COOLANT FED REAMERS

CARBIDE TIPPED

List No. 5685 - Straight Shank - Right Hand Spiral Flutes - Full Flute Length Carbide - Center Fed

Use: Similar to the Barber-Colman and Metcut OFC Reamer. Center fed coolant reamers are for blind holes so the chips will be forced out through the top of the hole. Hardened alloy steel bodies with brazed on carbide tips. Pin cross hole located in the shank. 2° to 5° right hand spiral. Not for use in Steel. 22.5° chamfer angle.



Tool diameter tolerance: +.0003"/-.0000".

TOOL DIAMETER		SHANK DIAM.	SHANK LENGTH	NO. OF FLTS.	LENGTH		PRICE EACH	LIST 5681 FLUTE FED EDP NO.	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.				FLT.	OVER-ALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.3750	3/8	3/8	3/4	6	1/2	2 1/2	\$150.55	48012	.3181-.3800	\$243.30	\$196.75	\$181.30	\$173.90	\$165.90	\$159.65
.4062	13/32	3/8	3/4	6	1/2	2 5/8	152.80	48013	.3801-.4090	245.55	199.05	183.45	176.00	168.10	161.90
.4375	7/16	3/8	3/4	6	1/2	2 5/8	152.80	48014	.4091-.4410	245.55	199.05	183.45	176.00	168.10	161.90
.4688	15/32	5/8	1	6	5/8	3 1/2	156.90	48015	.4411-.4720	249.70	203.30	187.80	180.25	172.25	166.05
.5000	1/2	5/8	1	6	5/8	3 1/2	156.90	48016	.4721-.5050	249.70	203.30	187.80	180.25	172.25	166.05
.5625	9/16	5/8	1	6	3/4	3 3/4	171.55	48018	.5051-.5660	264.35	217.75	202.30	194.90	186.90	180.60
.6250	5/8	5/8	1	6	3/4	3 3/4	171.55	48020	.5661-.6300	264.35	217.75	202.30	194.90	186.90	180.60
.6875	11/16	5/8	1	6	3/4	4 1/4	190.25	48022	.6301-.6910	283.10	236.65	221.10	213.60	205.70	199.40
.7500	3/4	5/8	1	6	3/4	4 1/4	190.25	48024	.6911-.7550	283.10	236.65	221.10	213.60	205.70	199.40
.8125	13/16	5/8	1	6	7/8	4 3/4	200.70	48026	.7551-.8160	293.55	247.15	231.50	224.05	216.10	209.90
.8750	7/8	5/8	1	6	7/8	4 3/4	208.30	48028	.8161-.8800	304.70	256.40	240.20	232.50	224.35	217.75
.9375	15/16	1	1 1/2	8	1	5 1/2	249.65	48030	.8801-.9410	345.95	297.80	281.60	273.90	265.65	259.15
1.0000	1	1	1 1/2	8	1	5 1/2	249.65	48032	.9411-1.0050	345.95	297.80	281.60	273.90	265.65	259.15
1.0625	1 1/16	1	1 1/2	8	1 1/4	6	276.30	48034	1.0051-1.0660	376.75	326.35	309.60	301.50	292.85	286.10
1.1250	1 1/8	1	1 1/2	8	1 1/4	6	276.30	48036	1.0661-1.1300	376.75	326.35	309.60	301.50	292.85	286.10
1.1875	1 3/16	1	1 1/2	8	1 1/4	6	283.10	48038	1.1301-1.1900	383.65	333.25	316.40	308.35	299.85	292.90
1.2500	1 1/4	1	1 1/2	8	1 1/4	6	283.10	48040	1.1901-1.2550	383.65	333.25	316.40	308.35	299.85	292.90
1.3125	1 5/16	1	1 1/2	8	1 1/4	6	303.60	48042	1.2551-1.3155	404.10	353.75	336.80	328.75	320.20	313.45
1.3750	1 3/8	1	1 1/2	8	1 1/4	6	303.60	48044	1.3156-1.3800	404.10	353.75	336.80	328.75	320.20	313.45
1.4375	1 7/16	1	1 1/2	8	1 1/4	6	323.90	48046	1.3801-1.4405	424.50	374.05	357.15	349.20	340.65	333.80
1.5000	1 1/2	1	1 1/2	8	1 1/4	6	323.90	48048	1.4406-1.5050	424.50	374.05	357.15	349.20	340.65	333.80
1.5625	1 5/8	1	1 1/2	10	1 1/4	6	339.70	48050	1.5051-1.5660	440.25	389.80	373.05	365.00	356.35	349.65
1.6250	1 5/8	1	1 1/2	10	1 1/4	6	339.70	48052	1.5661-1.6300	440.25	389.80	373.05	365.00	356.35	349.65
1.6875	1 11/16	1	1 1/2	10	1 1/4	6	360.15	48054	1.6301-1.6910	460.65	410.30	393.50	385.50	376.85	370.05
1.7500	1 3/4	1	1 1/2	10	1 1/4	6	360.15	48056	1.6911-1.7550	460.65	410.30	393.50	385.50	376.85	370.05
1.8125	1 13/16	1	1 1/2	10	1 1/4	6	378.25	48058	1.7551-1.8160	478.85	428.40	411.55	403.55	394.95	388.05
1.8750	1 7/8	1	1 1/2	10	1 1/4	6	378.25	48060	1.8161-1.8800	478.85	428.40	411.55	403.55	394.95	388.05
1.9375	1 15/16	1	1 1/2	10	1 1/4	6	396.45	48062	1.8801-1.9410	496.75	446.45	429.60	421.65	412.90	406.30
2.0000	2	1	1 1/2	10	1 1/4	6	396.45	48064	1.9411-2.0150	496.75	446.45	429.60	421.65	412.90	406.30

*Quantities of 15 or more: price of fractional size in same size range.



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Tolerances on page 42.

CHUCKING REAMERS - SEMI-FINISHED

CARBIDE TIPPED

Semi-finished reamers are furnished with a potential cutting diameter above the largest diameter indicated in the size range column below.

Before semi-finished reamers can be used, the cutting diameter must be finish ground and relieved and the reamer's end must be faced and chamfered.

Semi-finished reamers are purchased by regrind shops, distributors or users with regrind facilities.

For detailed descriptions of each specific types, see page indicated in table below.



SEMI-FINISHED TOOL DIAMETER RANGE	LIST 5655 PAGES 42-48		LIST 5656 PAGE 62		LIST 5653 PAGE 58		LIST 5670 PAGE 55	LIST 5669 PAGE 55	BOTH LIST PRICE	LIST 5659 PAGES 50-54		LIST 5733 PAGE 66-67	
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	EDP NO.	EDP NO.		EDP NO.	PRICE EACH	EDP NO.	PRICE EACH
.1770 - .2040	59001	\$40.10	-	-	59551	\$56.45	59351	59451	\$52.30	59101	\$47.95	-	-
.2041 - .2210	59002	40.10	-	-	59552	56.45	59352	59452	52.30	59102	47.95	-	-
.2211 - .2380	59003	42.30	-	-	59553	56.45	59353	59453	52.30	59103	47.95	-	-
.2381 - .2530	59004	40.10	59054	\$46.25	59554	56.45	59354	59454	52.30	59104	47.95	-	-
.2531 - .2840	59005	40.85	59055	47.00	59555	56.60	59355	59455	52.30	59105	49.05	-	-
.2841 - .3150	59006	40.85	59056	47.00	59556	56.60	59356	59456	60.65	59106	49.05	59606	\$74.00
.3151 - .3470	59007	42.25	59057	48.65	59557	62.20	59357	59457	61.30	59107	50.75	59607	74.00
.3471 - .3780	59008	38.75	59058	44.80	59558	62.80	59358	59458	66.40	59108	50.75	59608	69.25
.3781 - .4090	59009	44.35	59059	51.05	59559	65.65	59359	59459	67.30	59109	53.20	59609	73.40
.4091 - .4410	59010	47.25	59060	54.40	59560	68.20	59360	59460	79.85	59110	57.65	59610	73.40
.4411 - .4720	59011	48.15	59061	55.95	59561	72.50	59361	59461	79.85	59111	62.20	59611	77.85
.4721 - .5030	59012	57.30	59062	65.80	59562	75.25	59362	59462	87.25	59112	66.75	59612	77.85
.5031 - .5340	59013	62.20	59063	71.10	59563	77.60	59363	59463	87.25	59113	68.45	59613	79.85
.5341 - .5660	59014	62.20	59064	71.10	59564	77.60	59364	59464	92.10	59114	68.45	59614	79.85
.5661 - .5970	59015	64.75	59065	74.40	59565	79.85	59365	59465	92.10	59115	71.30	59615	83.35
.5971 - .6280	59016	64.75	59066	74.40	59566	79.85	59366	59466	94.55	59116	71.30	59616	83.35
.6281 - .6590	59017	65.85	59067	75.85	59567	82.05	59367	59467	94.55	59117	72.50	59617	91.15
.6591 - .6910	59018	65.85	59068	75.85	59568	87.45	59368	59468	98.90	59118	72.50	59618	91.15
.6911 - .7220	59019	68.95	59069	79.30	59569	88.65	59369	59469	98.90	59119	75.85	59619	94.65
.7221 - .7530	59020	68.95	59070	79.30	59570	90.05	59370	59470	101.40	59120	75.85	59620	94.65
.7531 - .7840	59021	71.40	59071	81.65	59571	92.30	59371	59471	101.40	59121	78.35	59621	102.05
.7841 - .8160	59022	71.40	59072	81.65	59572	92.30	59372	59472	110.15	59122	78.35	59622	102.05
.8161 - .8470	59023	74.20	59073	85.25	59573	97.35	59373	59473	110.15	59123	81.50	59623	105.90
.8471 - .8780	59024	76.90	59074	88.50	59574	101.05	59374	59474	120.40	59124	84.70	59624	109.95
.8781 - .9090	59025	89.85	59075	103.75	59575	117.75	59375	59475	120.40	59125	98.55	59625	117.00
.9091 - .9410	59026	89.85	59076	103.75	59576	117.75	59376	59476	132.50	59126	98.55	59626	117.00
.9411 - .9720	59027	94.00	59077	107.95	59577	123.40	59377	59477	132.50	59127	103.30	59627	121.50
.9721 - 1.0030	59028	94.00	59078	107.95	59578	123.40	59378	59478	139.10	59128	103.30	59628	121.50

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5656 - Taper Shank - Partial Flute Length Carbide

Use: For general purpose reaming of most types of materials, including steel, cast iron, non-ferrous, plastics, and non-metals. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		MORSE TAPER	NO. OF FLUTES	LENGTH			LIST 5656 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT	CARB	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	1	4	1 1/2	1/2	6	55416	\$54.25	.2381 - .2530	\$98.15	\$76.20	\$68.90	\$65.35	\$61.75	\$58.70
.2812	9/32	1	4	1 1/2	1/2	6	55418	55.30	.2531 - .2840	99.25	77.20	69.95	66.35	62.70	59.55
.3125	5/16	1	4	1 1/2	1/2	6	55420	55.30	.2841 - .3150	99.25	77.20	69.95	66.35	62.70	59.55
.3438	11/32	1	4	1 1/2	5/8	6	55422	57.40	.3151 - .3470	101.35	79.30	71.85	68.35	64.70	61.80
.3750	3/8	1	4	1 3/4	5/8	7	55424	52.60	.3471 - .3780	92.95	72.75	65.90	62.80	59.30	56.60
.4062	13/32	1	4	1 3/4	5/8	7	55426	60.15	.3781 - .4090	104.15	82.05	74.70	71.30	67.45	64.50
.4375	7/16	1	4	1 3/4	5/8	7	55428	64.05	.4091 - .4410	107.95	85.95	78.55	75.10	71.40	68.25
.4688	15/32	1	4	1 3/4	5/8	7	55430	65.70	.4411 - .4720	109.70	87.70	80.30	76.80	73.05	70.10
.5000	1/2	1	6	2	5/8	8	55432	77.45	.4721 - .5030	125.80	101.50	93.45	89.70	85.45	82.25
.5312	17/32	1	6	2	5/8	8	55434	83.65	.5031 - .5340	132.05	107.70	99.60	95.85	91.60	88.20
.5625	9/16	1	6	2	5/8	8	55436	83.65	.5341 - .5660	132.05	107.70	99.60	95.85	91.60	88.20
.5938	19/32	1	6	2	5/8	8	55438	87.65	.5661 - .5970	136.05	111.75	103.65	99.80	95.55	92.40
.6250	5/8	2	6	2 1/4	5/8	9	55440	87.65	.5971 - .6280	136.05	111.75	103.65	99.80	95.55	92.40
.6562	21/32	2	6	2 1/4	5/8	9	55442	89.20	.6281 - .6590	137.55	113.35	105.25	101.40	97.25	93.90
.6875	11/16	2	6	2 1/4	5/8	9	55444	89.20	.6591 - .6910	137.55	113.35	105.25	101.40	97.25	93.90
.7188	23/32	2	6	2 1/4	5/8	9	55446	93.25	.6911 - .7220	141.70	117.35	109.25	105.50	101.35	98.00
.7500	3/4	2	6	2 1/2	3/4	9 1/2	55448	93.25	.7221 - .7530	141.70	117.35	109.25	105.50	101.35	98.00
.7812	25/32	2	6	2 1/2	3/4	9 1/2	55450	96.15	.7531 - .7840	144.55	120.25	112.25	108.40	104.15	100.85
.8125	13/16	2	6	2 1/2	3/4	9 1/2	55452	96.15	.7841 - .8160	144.55	120.25	112.25	108.40	104.15	100.85
.8438	27/32	2	6	2 1/2	3/4	9 1/2	55454	100.30	.8161 - .8470	148.65	124.35	116.35	112.45	108.40	104.95
.8750	7/8	2	6	2 5/8	3/4	10	55456	104.15	.8471 - .8780	154.25	129.20	120.70	116.60	112.40	108.95
.9062	29/32	2	6	2 5/8	3/4	10	55458	122.10	.8781 - .9090	172.25	147.05	138.70	134.65	130.35	126.95
.9375	15/16	3	8	2 5/8	3/4	10	55460	122.10	.9091 - .9410	172.25	147.05	138.70	134.65	130.35	126.95
.9688	31/32	3	8	2 5/8	3/4	10	55462	127.30	.9411 - .9720	177.40	152.20	143.70	139.80	135.50	132.10
1.0000	1	3	8	2 3/4	3/4	10 1/2	55464	127.30	.9721 - 1.0030	177.40	152.20	143.70	139.80	135.50	132.10
1.0625	1 1/16	3	8	2 3/4	3/4	10 1/2	55466	174.65	1.0031 - 1.0660	222.90	198.80	190.75	186.85	182.65	179.40
1.1250	1 1/8	3	8	2 7/8	7/8	11	55468	186.15	1.0661 - 1.1280	234.30	210.00	202.05	198.15	194.15	190.85
1.1875	1 3/16	3	8	2 7/8	7/8	11	55470	197.15	1.1281 - 1.1905	245.40	221.10	213.15	209.15	205.05	201.85
1.2500	1 1/4	4	8	3	7/8	11 1/2	55472	219.05	1.1906 - 1.2530	267.25	243.10	235.05	231.10	227.05	223.75
1.3125	1 5/16	4	8	3	7/8	11 1/2	55474	236.25	1.2531 - 1.3155	284.30	260.25	252.10	248.30	244.15	240.90
1.3750	1 3/8	4	8	3 1/4	7/8	12	55476	245.70	1.3156 - 1.3780	293.90	269.75	261.70	257.85	253.65	250.60
1.4375	1 7/16	4	8	3 1/4	7/8	12	55477	250.80	1.3781 - 1.4405	299.05	274.95	266.75	263.00	258.75	255.55
1.5000	1 1/2	4	8	3 1/2	7/8	12 1/2	55478	263.30	1.4406 - 1.5030	311.45	287.50	279.35	275.50	271.30	268.05
1.5625	1 5/8	4	8	3 1/2	7/8	12 1/2	55479	284.25	1.5031 - 1.5660	332.40	308.30	300.15	296.35	292.20	288.95
1.6250	1 5/8	4	8	3 3/4	7/8	13	55480	294.00	1.5661 - 1.6280	342.25	318.15	310.00	306.15	302.10	298.75
1.6875	1 11/16	4	8	3 3/4	7/8	13	55481	330.65	1.6281 - 1.6910	378.85	354.65	346.75	342.75	338.75	335.50
1.7500	1 3/4	4	10	4	7/8	13 1/2	55482	330.65	1.6911 - 1.7530	378.85	354.65	346.75	342.75	338.75	335.50
1.8125	1 13/16	4	10	4	7/8	13 1/2	55483	330.65	1.7531 - 1.8160	378.85	354.65	346.75	342.75	338.75	335.50
1.8750	1 7/8	4	10	4 1/4	7/8	14	55484	346.50	1.8161 - 1.8780	394.60	370.50	362.40	358.50	354.50	351.15
1.9375	1 15/16	4	10	4 1/4	7/8	14	55485	346.50	1.8781 - 1.9410	394.60	370.50	362.40	358.50	354.50	351.15
2.0000	2	4	12	4 1/4	7/8	14	55486	346.50	1.9411 - 2.0030	394.60	370.50	362.40	358.50	354.50	351.15

*Quantities of 15 or more: price of fractional size in same size range.



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Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

METRIC

CARBIDE TIPPED

List No. 5656 - Taper Shank - Partial Flute Length Carbide - Metric

Use: Same as List No. 5656 on page 62.



TOOL DIAMETER		MORSE TAPER	NO. OF FLTS.	LENGTH			LIST 5656 EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	INCH			FLT	CARB	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
6.0	.2362	1	4	1 ½	½	6	5656060	\$68.90	6.000 - 6.426	\$102.05	\$80.00	\$72.70	\$69.00	\$65.35	\$62.20	\$58.00
6.5	.2559	1	4	1 ½	½	6	5656065	69.95	6.427 - 7.214	102.95	81.10	73.70	70.10	66.35	63.30	59.15
7.0	.2756	1	4	1 ½	½	6	5656070	69.95	-	-	-	-	-	-	-	-
7.5	.2953	1	4	1 ½	½	6	5656075	69.95	7.215 - 8.001	102.95	81.10	73.70	70.10	66.35	63.30	59.15
8.0	.3150	1	4	1 ½	½	6	5656080	69.95	-	-	-	-	-	-	-	-
8.5	.3346	1	4	1 ½	¾	6	5656085	71.85	8.002 - 8.814	104.95	83.00	75.70	72.00	68.35	65.35	61.10
9.0	.3543	1	4	1 ¾	¾	7	5656090	65.90	8.815 - 9.601	96.30	76.20	69.55	66.20	62.80	60.05	56.05
9.5	.3740	1	4	1 ¾	¾	7	5656095	65.90	-	-	-	-	-	-	-	-
10.0	.3937	1	4	1 ¾	¾	7	5656100	74.70	9.602 - 10.389	107.75	85.80	78.50	74.90	71.30	68.15	64.00
10.5	.4134	1	4	1 ¾	¾	7	5656105	78.55	10.390 - 11.201	111.70	89.85	82.35	78.85	75.10	71.95	67.90
11.0	.4331	1	4	1 ¾	¾	7	5656110	78.55	-	-	-	-	-	-	-	-
11.5	.4528	1	4	1 ¾	¾	7	5656115	80.30	11.202 - 11.989	113.35	91.55	84.05	80.55	76.80	73.75	69.60
12.0	.4724	1	6	2	¾	8	5656120	93.45	11.990 - 12.776	129.75	105.80	97.60	93.60	89.70	86.30	81.50
12.5	.4921	1	6	2	¾	8	5656125	93.45	-	-	-	-	-	-	-	-
13.0	.5118	1	6	2	¾	8	5656130	99.60	12.777 - 13.564	136.05	111.85	103.75	99.80	95.85	92.40	87.70
13.5	.5315	1	6	2	¾	8	5656135	99.60	-	-	-	-	-	-	-	-
14.0	.5512	1	6	2	¾	8	5656140	99.60	13.565 - 14.376	136.05	111.85	103.75	99.80	95.85	92.40	87.70
14.5	.5709	1	6	2	¾	8	5656145	103.65	14.377 - 15.164	140.00	115.90	107.75	103.90	99.80	96.35	91.75
15.0	.5906	1	6	2	¾	8	5656150	103.65	-	-	-	-	-	-	-	-
15.5	.6102	2	6	2 ¼	¾	9	5656155	103.65	15.165 - 15.951	140.00	115.90	107.75	103.90	99.80	96.35	91.75
16.0	.6299	2	6	2 ¼	¾	9	5656160	105.25	15.952 - 16.739	141.70	117.40	109.45	105.50	101.40	98.00	93.40
16.5	.6496	2	6	2 ¼	¾	9	5656165	105.25	-	-	-	-	-	-	-	-
17.0	.6693	2	6	2 ¼	¾	9	5656170	105.25	16.740 - 17.551	141.70	117.40	109.45	105.50	101.40	98.00	93.40
17.5	.6890	2	6	2 ¼	¾	9	5656175	105.25	-	-	-	-	-	-	-	-
18.0	.7087	2	6	2 ¼	¾	9	5656180	109.25	17.552 - 18.339	145.75	121.50	113.55	109.50	105.50	102.10	97.50
18.5	.7283	2	6	2 ½	¾	9 ½	5656185	109.25	18.340 - 19.126	145.75	121.50	113.55	109.50	105.50	102.10	97.50
19.0	.7480	2	6	2 ½	¾	9 ½	5656190	109.25	-	-	-	-	-	-	-	-
19.5	.7677	2	6	2 ½	¾	9 ½	5656195	112.25	19.127 - 19.914	148.55	124.35	116.35	112.40	108.40	104.90	100.30
20.0	.7874	2	6	2 ½	¾	9 ½	5656200	112.25	19.915 - 20.726	148.55	124.35	116.35	112.40	108.40	104.90	100.30
20.5	.8071	2	6	2 ½	¾	9 ½	5656205	112.25	-	-	-	-	-	-	-	-
21.0	.8268	2	6	2 ½	¾	9 ½	5656210	116.35	20.727 - 21.514	152.80	128.65	120.45	116.50	112.45	109.05	104.45
21.5	.8465	2	6	2 ½	¾	9 ½	5656215	116.35	-	-	-	-	-	-	-	-
22.0	.8661	2	6	2 ¾	¾	10	5656220	116.35	21.515 - 22.301	152.80	128.65	120.45	116.50	112.45	109.05	104.45
22.5	.8858	2	6	2 ¾	¾	10	5656225	138.70	22.302 - 23.089	176.50	151.45	143.05	138.85	134.65	131.05	126.35
23.0	.9055	2	6	2 ¾	¾	10	5656230	138.70	-	-	-	-	-	-	-	-
23.5	.9252	3	8	2 ¾	¾	10	5656235	138.70	23.090 - 23.901	176.50	151.45	143.05	138.85	134.65	131.05	126.35
24.0	.9449	3	8	2 ¾	¾	10	5656240	143.70	23.902 - 24.689	181.70	156.65	148.05	144.00	139.80	136.25	131.45
24.5	.9646	3	8	2 ¾	¾	10	5656245	143.70	-	-	-	-	-	-	-	-
25.0	.9843	3	8	2 ¾	¾	10 ½	5656250	143.70	24.690 - 25.476	181.70	156.65	148.05	144.00	139.80	136.25	131.45
25.5	1.0039	3	8	2 ¾	¾	10 ½	5656255	190.75	25.477 - 27.076	227.00	202.85	194.90	190.90	186.85	183.50	179.00
26.0	1.0236	3	8	2 ¾	¾	10 ½	5656260	190.75	-	-	-	-	-	-	-	-
27.0	1.0630	3	8	2 ¾	¾	10 ½	5656270	190.75	-	-	-	-	-	-	-	-
28.0	1.1024	3	8	2 ¾	¾	11	5656280	202.05	27.077 - 28.651	238.25	214.20	206.15	202.25	198.15	194.90	190.20
29.0	1.1417	3	8	2 ¾	¾	11	5656290	213.15	28.652 - 30.239	249.30	225.30	217.30	213.30	209.15	205.95	201.20
30.0	1.1811	3	8	2 ¾	¾	11	5656300	213.15	-	-	-	-	-	-	-	-
31.0	1.2205	4	8	3	¾	11 ½	5656310	235.05	30.240 - 31.826	271.25	247.30	239.20	235.15	231.10	227.75	223.15
32.0	1.2598	4	8	3	¾	11 ½	5656320	252.10	31.827 - 33.414	288.30	264.40	256.25	252.30	248.30	244.85	240.35
33.0	1.2992	4	8	3	¾	11 ½	5656330	252.10	-	-	-	-	-	-	-	-
34.0	1.3386	4	8	3 ¼	¾	12	5656340	261.70	33.415 - 35.001	297.90	273.90	265.85	261.85	257.85	254.50	249.95
35.0	1.3780	4	8	3 ¼	¾	12	5656350	261.70	-	-	-	-	-	-	-	-
36.0	1.4173	4	8	3 ¼	¾	12	5656360	266.75	35.002 - 36.589	303.10	278.95	271.00	267.05	263.00	259.60	254.95
37.0	1.4567	4	8	3 ½	¾	12 ½	5656370	279.35	36.590 - 38.176	315.60	291.55	283.40	279.55	275.50	272.10	267.60
38.0	1.4961	4	8	3 ½	¾	12 ½	5656380	279.35	-	-	-	-	-	-	-	-
39.0	1.5354	4	8	3 ½	¾	12 ½	5656390	300.15	38.177 - 39.776	336.45	312.40	304.30	300.40	296.35	292.90	288.30
40.0	1.5748	4	8	3 ¾	¾	13	5656400	310.00	39.777 - 41.351	346.25	322.25	314.15	310.20	306.15	302.80	298.10
41.0	1.6142	4	8	3 ¾	¾	13	5656410	310.00	-	-	-	-	-	-	-	-

Diameters up to 50mm - call us for price & availability.

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63

Tolerances on page 42.

Made in the USA

CHUCKING REAMERS - STRAIGHT FLUTE

CARBIDE TIPPED

List No. 5660 - Taper Shank - Full Flute Length Carbide

Use: For general purpose reaming of most types of materials, including steel, cast iron, non-ferrous and non-metals. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		MORSE TAPER	NO. OF FLUTES	LENGTH		LIST 5660 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRAC.			FLUTE	OVERALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	¼	1	4	1 ½	6	55616	\$64.90	.2381 - .2530	\$110.10	\$87.45	\$79.85	\$76.20	\$72.40	\$69.25
.2812	⅜	1	4	1 ½	6	55618	65.70	.2531 - .2840	111.00	88.40	80.70	77.10	73.20	70.20
.3125	⅝	1	4	1 ½	6	55620	65.70	.2841 - .3150	111.00	88.40	80.70	77.10	73.20	70.20
.3438	⅞	1	4	1 ½	6	55622	67.25	.3151 - .3470	112.45	89.90	82.30	78.55	74.70	71.65
.3750	¾	1	4	1 ¾	7	55624	68.00	.3471 - .3780	113.20	90.60	82.95	79.35	75.45	72.50
.4062	1⅜	1	4	1 ¾	7	55626	71.60	.3781 - .4090	116.85	94.05	86.55	82.95	79.15	76.10
.4375	7/16	1	4	1 ¾	7	55628	76.25	.4091 - .4410	121.45	98.90	91.30	87.70	83.80	80.70
.4688	1½	1	4	1 ¾	7	55630	77.85	.4411 - .4720	123.20	100.35	92.90	89.25	85.40	82.35
.5000	½	1	6	2	8	55632	84.00	.4721 - .5030	132.30	108.10	99.95	96.15	91.95	88.75
.5312	17/32	1	6	2	8	55634	91.95	.5031 - .5340	140.45	116.10	107.95	104.15	99.95	96.70
.5625	⅝	1	6	2	8	55636	91.95	.5341 - .5660	140.45	116.10	107.95	104.15	99.95	96.70
.5938	19/32	1	6	2	8	55638	96.20	.5661 - .5970	144.60	120.40	112.30	108.45	104.25	101.00
.6250	⅝	2	6	2	9	55640	96.20	.5971 - .6280	144.60	120.40	112.30	108.45	104.25	101.00
.6562	21/32	2	6	2	9	55642	98.00	.6281 - .6590	146.50	122.15	113.95	110.20	106.00	102.80
.6875	11/16	2	6	2	9	55644	98.00	.6591 - .6910	146.50	122.15	113.95	110.20	106.00	102.80
.7188	23/32	2	6	2	9	55646	99.35	.6911 - .7220	147.90	123.50	115.35	111.60	107.40	104.15
.7500	¾	2	6	2	9 ½	55648	102.55	.7221 - .7530	151.00	126.70	118.60	114.70	110.45	107.35
.7812	25/32	2	6	2	9 ½	55650	103.35	.7531 - .7840	151.80	127.55	119.45	115.40	111.35	108.10
.8125	13/16	2	6	2	9 ½	55652	105.80	.7841 - .8160	154.05	129.75	121.80	117.95	113.75	110.40
.8438	27/32	2	6	2	9 ½	55654	110.30	.8161 - .8470	158.85	134.50	126.35	122.60	118.35	115.20
.8750	7/8	2	6	2 ¼	10	55656	114.60	.8471 - .8780	164.85	139.65	131.05	127.30	122.75	119.55
.9062	29/32	2	6	2 ¼	10	55658	129.05	.8781 - .9090	179.20	154.05	145.75	141.70	137.25	133.95
.9375	15/16	3	8	2 ¼	10	55660	134.25	.9091 - .9410	184.30	159.20	150.85	146.80	142.45	139.10
.9688	31/32	3	8	2 ¼	10	55662	139.70	.9411 - .9720	190.00	164.85	156.35	152.35	148.00	144.70
1.0000	1	3	8	2 ¼	10 ½	55664	139.70	.9721 - 1.0030	190.00	164.85	156.35	152.35	148.00	144.70
1.0625	1 1/16	3	8	2 ¼	10 ½	55666	191.50	1.0031 - 1.0660	239.65	215.40	207.40	203.65	199.45	196.15
1.1250	1 1/8	3	8	2 ¼	11	55668	206.25	1.0661 - 1.1280	254.35	230.30	222.30	218.35	214.20	210.95
1.1875	1 3/16	3	8	2 ¼	11	55670	221.65	1.1281 - 1.1905	269.75	245.60	237.55	233.65	229.70	226.30
1.2500	1 ¼	4	8	2 ½	11 ½	55672	235.55	1.1906 - 1.2530	283.60	259.50	251.50	247.50	243.35	240.20
1.3125	1 5/16	4	8	2 ½	11 ½	55674	265.90	1.2531 - 1.3155	314.05	290.00	281.75	278.10	273.90	270.65
1.3750	1 ¾	4	8	2 ½	12	55676	303.85	1.3156 - 1.3780	351.95	327.90	319.75	315.90	311.75	308.50
1.4375	1 7/16	4	8	2 ½	12	55677	317.10	1.3781 - 1.4405	365.30	341.20	333.10	329.40	325.10	321.80
1.5000	1 ½	4	8	2 ½	12 ½	55678	330.35	1.4406 - 1.5030	378.50	354.50	346.40	342.50	338.35	335.05

*Quantities of 15 or more: price of fractional size in same size range.



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Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - STRAIGHT FLUTE

METRIC

CARBIDE TIPPED

List No. 5660 - Taper Shank - Full Flute Length Carbide - Metric

Use: Same as List No. 5660 on page 64.



TOOL DIAMETER		MORSE TAPER	NO. OF FLUTES	LENGTH		LIST 5660 EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	INCH			FLT	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
6.0	.2362	1	4	1 ½	6	5660060	\$79.85	6.000 - 6.426	\$113.85	\$91.30	\$83.75	\$80.00	\$76.20	\$73.10	\$68.75
6.5	.2559	1	4	1 ½	6	5660065	80.70	6.427 - 7.214	114.70	92.25	84.70	81.05	77.10	74.10	69.65
7.0	.2756	1	4	1 ½	6	5660070	80.70	-	-	-	-	-	-	-	-
7.5	.2953	1	4	1 ½	6	5660075	80.70	7.215 - 8.001	114.70	92.25	84.70	81.05	77.10	74.10	69.65
8.0	.3150	1	4	1 ½	6	5660080	80.70	-	-	-	-	-	-	-	-
8.5	.3346	1	4	1 ½	6	5660085	82.30	8.002 - 8.814	116.30	93.70	86.20	82.45	78.55	75.45	71.10
9.0	.3543	1	4	1 ¾	7	5660090	82.95	8.815 - 9.601	117.00	94.55	86.80	83.05	79.35	76.20	71.80
9.5	.3740	1	4	1 ¾	7	5660095	82.95	-	-	-	-	-	-	-	-
10.0	.3937	1	4	1 ¾	7	5660100	86.55	9.602 - 10.389	120.65	98.00	90.40	86.70	82.95	79.85	75.45
10.5	.4134	1	4	1 ¾	7	5660105	91.30	10.390 - 11.201	125.20	102.75	95.20	91.55	87.70	84.50	80.25
11.0	.4331	1	4	1 ¾	7	5660110	91.30	-	-	-	-	-	-	-	-
11.5	.4528	1	4	1 ¾	7	5660115	92.90	11.202 - 11.989	126.90	104.25	96.75	93.10	89.25	86.20	81.65
12.0	.4724	1	6	2	8	5660120	99.95	11.990 - 12.776	136.45	112.30	104.15	100.20	96.15	92.70	88.10
12.5	.4921	1	6	2	8	5660125	99.95	-	-	-	-	-	-	-	-
13.0	.5118	1	6	2	8	5660130	107.95	12.777 - 13.564	144.45	120.25	112.25	108.35	104.15	100.80	96.15
13.5	.5315	1	6	2	8	5660135	107.95	-	-	-	-	-	-	-	-
14.0	.5512	1	6	2	8	5660140	107.95	13.565 - 14.376	144.45	120.25	112.25	108.35	104.15	100.80	96.15
14.5	.5709	1	6	2	8	5660145	112.30	14.377 - 15.164	148.65	124.65	116.45	112.45	108.45	104.95	100.35
15.0	.5906	1	6	2	8	5660150	112.30	-	-	-	-	-	-	-	-
15.5	.6102	2	6	2	9	5660155	112.30	15.165 - 15.951	148.65	124.65	116.45	112.45	108.45	104.95	100.35
16.0	.6299	2	6	2	9	5660160	113.95	15.952 - 16.739	150.50	126.25	118.20	114.25	110.20	106.95	102.15
16.5	.6496	2	6	2	9	5660165	113.95	-	-	-	-	-	-	-	-
17.0	.6693	2	6	2	9	5660170	113.95	16.740 - 17.551	150.50	126.25	118.20	114.25	110.20	106.95	102.15
17.5	.6890	2	6	2	9	5660175	113.95	-	-	-	-	-	-	-	-
18.0	.7087	2	6	2	9	5660180	115.35	17.552 - 18.339	151.95	127.70	119.70	115.65	111.60	108.35	103.50
18.5	.7283	2	6	2	9 ½	5660185	118.60	18.340 - 19.126	155.10	130.85	122.70	118.75	114.70	111.35	106.75
19.0	.7480	2	6	2	9 ½	5660190	118.60	-	-	-	-	-	-	-	-
19.5	.7677	2	6	2	9 ½	5660195	119.45	19.127 - 19.914	155.80	131.75	123.50	119.70	115.40	112.25	107.45
20.0	.7874	2	6	2	9 ½	5660200	121.80	19.915 - 20.726	158.25	133.95	125.90	122.00	117.95	114.55	109.95
20.5	.8071	2	6	2	9 ½	5660205	121.80	-	-	-	-	-	-	-	-
21.0	.8268	2	6	2	9 ½	5660210	126.35	20.727 - 21.514	162.85	138.70	130.65	126.60	122.60	119.25	114.55
21.5	.8465	2	6	2	9 ½	5660215	126.35	-	-	-	-	-	-	-	-
22.0	.8661	2	6	2 ¼	10	5660220	126.35	21.515 - 22.301	162.85	138.70	130.65	126.60	122.60	119.25	114.55
22.5	.8858	2	6	2 ¼	10	5660225	145.75	22.302 - 23.089	183.45	158.35	149.95	145.85	141.70	138.20	133.50
23.0	.9055	2	6	2 ¼	10	5660230	145.75	-	-	-	-	-	-	-	-
23.5	.9252	3	8	2 ¼	10	5660235	150.85	23.090 - 23.901	188.60	163.50	155.20	151.00	146.80	143.30	138.45
24.0	.9449	3	8	2 ¼	10	5660240	156.35	23.902 - 24.689	194.20	169.05	160.70	156.65	152.35	148.85	144.00
24.5	.9646	3	8	2 ¼	10	5660245	156.35	-	-	-	-	-	-	-	-
25.0	.9843	3	8	2 ¼	10 ½	5660250	156.35	24.690 - 25.476	194.20	169.05	160.70	156.65	152.35	148.85	144.00
25.5	1.0039	3	8	2 ¼	10 ½	5660255	207.40	25.477 - 27.076	243.75	219.65	211.50	207.65	203.65	200.30	195.70
26.0	1.0236	3	8	2 ¼	10 ½	5660260	207.40	-	-	-	-	-	-	-	-
27.0	1.0630	3	8	2 ¼	10 ½	5660270	207.40	-	-	-	-	-	-	-	-
28.0	1.1024	3	8	2 ¼	11	5660280	222.30	27.077 - 28.651	258.45	234.45	226.30	222.40	218.35	215.00	210.45
29.0	1.1417	3	8	2 ¼	11	5660290	237.55	28.652 - 30.239	273.80	249.80	241.65	237.80	233.65	230.40	225.75
30.0	1.1811	3	8	2 ¼	11	5660300	237.55	-	-	-	-	-	-	-	-
31.0	1.2205	4	8	2 ½	11 ½	5660310	251.50	30.240 - 31.826	287.65	263.70	255.55	251.65	247.50	244.20	239.65
32.0	1.2598	4	8	2 ½	11 ½	5660320	281.75	31.827 - 33.414	318.15	294.00	286.05	282.05	278.10	274.65	269.95
33.0	1.2992	4	8	2 ½	11 ½	5660330	281.75	-	-	-	-	-	-	-	-
34.0	1.3386	4	8	2 ½	12	5660340	319.75	33.415 - 35.001	356.00	332.00	323.90	320.05	315.90	312.60	307.95
35.0	1.3780	4	8	2 ½	12	5660350	319.75	-	-	-	-	-	-	-	-
36.0	1.4173	4	8	2 ½	12	5660360	333.10	35.002 - 36.589	369.30	345.25	337.25	333.25	329.40	325.85	321.10
37.0	1.4567	4	8	2 ½	12 ½	5660370	346.40	36.590 - 38.176	382.65	358.50	350.45	346.70	342.50	339.25	334.65
38.0	1.4961	4	8	2 ½	12 ½	5660380	346.40	-	-	-	-	-	-	-	-

EXPANSION CHUCKING REAMERS

CARBIDE TIPPED

List No. 5733 - Straight Shank - Full Flute Length Carbide

Use: For reaming abrasive materials. When the diameter wears down to the low limit, it may be expanded oversize, reground to size and recleared. The expansion screw should NEVER BE LOOSENED in an attempt to use the reamer for a size smaller than that to which the tool was originally finish ground. Alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER	MINIMUM EXPANSION
$\frac{5}{16}$ " - $\frac{15}{32}$ "	.006"
$\frac{1}{2}$ " - $\frac{31}{32}$ "	.010"
1" - 1 $\frac{1}{2}$ "	.013"
1 $\frac{1}{16}$ " - 2 $\frac{1}{2}$ "	.015"

TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	LENGTH		LIST 5733 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.3125	$\frac{5}{16}$	$\frac{3}{32}$	4	1	6	56001	\$86.90	.2841 - .3150	\$132.15	\$109.50	\$101.80	\$98.40	\$94.55	\$91.45
.3438	$\frac{11}{32}$	$\frac{3}{32}$	4	1	6	56002	86.90	.3151 - .3470	132.15	109.50	101.80	98.40	94.55	91.45
.3750	$\frac{3}{8}$	$\frac{5}{16}$	4	1	7	56003	81.45	.3471 - .3780	123.95	102.65	95.45	92.15	88.55	85.65
.4062	$\frac{13}{32}$	$\frac{5}{16}$	4	1	7	56035	86.50	.3781 - .4090	128.75	107.60	100.45	97.05	93.45	90.60
.4375	$\frac{7}{16}$	$\frac{3}{8}$	4	1	7	56004	86.50	.4091 - .4410	128.75	107.60	100.45	97.05	93.45	90.60
.4688	$\frac{15}{32}$	$\frac{3}{8}$	4	1	7	56036	91.70	.4411 - .4720	133.85	112.70	105.70	102.25	98.70	95.90
.5000	$\frac{1}{2}$	$\frac{7}{16}$	6	1	8	56005	91.70	.4721 - .5030	133.85	112.70	105.70	102.25	98.70	95.90
.5312	$\frac{17}{32}$	$\frac{7}{16}$	6	1	8	56006	93.90	.5031 - .5340	136.35	115.15	107.95	104.70	101.00	98.10
.5625	$\frac{9}{16}$	$\frac{7}{16}$	6	1 $\frac{1}{8}$	8	56007	93.90	.5341 - .5660	136.35	115.15	107.95	104.70	101.00	98.10
.5938	$\frac{19}{32}$	$\frac{7}{16}$	6	1 $\frac{1}{8}$	8	56008	98.05	.5661 - .5970	140.45	119.25	112.20	108.75	105.05	102.20
.6250	$\frac{5}{8}$	$\frac{9}{16}$	6	1 $\frac{1}{4}$	9	56009	98.05	.5971 - .6280	140.45	119.25	112.20	108.75	105.05	102.20
.6562	$\frac{21}{32}$	$\frac{9}{16}$	6	1 $\frac{1}{4}$	9	56010	107.25	.6281 - .6590	149.50	128.35	121.25	117.95	114.25	111.35
.6875	$\frac{11}{16}$	$\frac{9}{16}$	6	1 $\frac{1}{4}$	9	56011	107.25	.6591 - .6910	149.50	128.35	121.25	117.95	114.25	111.35
.7188	$\frac{23}{32}$	$\frac{9}{16}$	6	1 $\frac{1}{4}$	9	56012	111.15	.6911 - .7220	153.65	132.30	125.15	121.85	118.20	115.35
.7500	$\frac{3}{4}$	$\frac{5}{8}$	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56013	111.15	.7221 - .7530	153.65	132.30	125.15	121.85	118.20	115.35
.7812	$\frac{25}{32}$	$\frac{5}{8}$	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56014	119.85	.7531 - .7840	162.30	141.05	133.80	130.60	126.90	124.05
.8125	$\frac{13}{16}$	$\frac{5}{8}$	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56015	119.85	.7841 - .8160	162.30	141.05	133.80	130.60	126.90	124.05
.8438	$\frac{27}{32}$	$\frac{5}{8}$	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56016	124.65	.8161 - .8470	166.90	145.75	138.65	135.20	131.65	128.70
.8750	$\frac{7}{8}$	$\frac{3}{4}$	6	1 $\frac{1}{2}$	10	56017	129.30	.8471 - .8780	173.10	151.20	143.70	140.40	136.55	133.60
.9062	$\frac{29}{32}$	$\frac{3}{4}$	6	1 $\frac{1}{2}$	10	56018	137.60	.8781 - .9090	181.60	159.50	152.20	148.70	144.90	141.90
.9375	$\frac{15}{16}$	$\frac{3}{4}$	8	1 $\frac{1}{2}$	10	56019	137.60	.9091 - .9410	181.60	159.50	152.20	148.70	144.90	141.90
.9688	$\frac{31}{32}$	$\frac{3}{4}$	8	1 $\frac{1}{2}$	10	56020	143.05	.9411 - .9720	186.85	164.90	157.45	154.00	150.20	147.20
1.0000	1	$\frac{7}{8}$	8	1 $\frac{5}{8}$	10 $\frac{1}{2}$	56021	143.05	.9721 - 1.0030	186.85	164.90	157.45	154.00	150.20	147.20
1.0312	1 $\frac{1}{32}$	$\frac{7}{8}$	8	1 $\frac{5}{8}$	10 $\frac{1}{2}$	56048	156.70	-	-	-	-	-	-	-
1.0625	1 $\frac{1}{16}$	$\frac{7}{8}$	8	1 $\frac{5}{8}$	10 $\frac{1}{2}$	56023	156.70	1.0031 - 1.0660	200.60	178.65	171.25	167.75	164.00	160.95
1.0938	1 $\frac{3}{32}$	$\frac{7}{8}$	8	1 $\frac{3}{4}$	11	56049	156.70	-	-	-	-	-	-	-
1.1250	1 $\frac{1}{8}$	$\frac{7}{8}$	8	1 $\frac{3}{4}$	11	56025	156.70	1.0661 - 1.1280	200.60	178.65	171.25	167.75	164.00	160.95
1.1875	1 $\frac{3}{16}$	1	8	1 $\frac{3}{4}$	11	56026	171.00	1.1281 - 1.1905	214.95	192.90	185.50	182.00	178.15	175.35
1.2500	1 $\frac{1}{4}$	1	8	1 $\frac{7}{8}$	11 $\frac{1}{2}$	56027	171.00	1.1906 - 1.2530	214.95	192.90	185.50	182.00	178.15	175.35
1.3125	1 $\frac{5}{16}$	1	8	1 $\frac{7}{8}$	11 $\frac{1}{2}$	56028	189.50	1.2531 - 1.3155	233.55	211.50	204.20	200.60	196.85	194.00
1.3750	1 $\frac{3}{8}$	1	8	2	12	56029	198.50	1.3156 - 1.3780	242.45	220.35	213.05	209.70	205.70	202.80
1.4375	1 $\frac{7}{16}$	1 $\frac{1}{4}$	8	2	12	56030	234.55	1.3781 - 1.4405	281.45	257.95	250.05	246.25	242.25	239.20
1.5000	1 $\frac{1}{2}$	1 $\frac{1}{4}$	8	2 $\frac{1}{8}$	12 $\frac{1}{2}$	56031	241.40	1.4406 - 1.5030	288.30	264.70	257.00	253.35	249.20	246.00
1.5625	1 $\frac{9}{16}$	1 $\frac{1}{4}$	8	2 $\frac{1}{8}$	12 $\frac{1}{2}$	56037	317.05	1.5031 - 1.5660	363.85	340.55	332.50	328.70	324.80	321.60
1.6250	1 $\frac{5}{8}$	1 $\frac{1}{4}$	8	2 $\frac{1}{4}$	13	56038	317.05	1.5661 - 1.6280	363.85	340.55	332.50	328.70	324.80	321.60
1.6875	1 $\frac{11}{16}$	1 $\frac{1}{4}$	8	2 $\frac{1}{4}$	13	56039	351.10	1.6281 - 1.6910	398.00	374.50	366.70	362.90	359.00	355.65
1.7500	1 $\frac{3}{4}$	1 $\frac{1}{4}$	10	2 $\frac{3}{8}$	13 $\frac{1}{2}$	56032	351.10	1.6911 - 1.7530	398.00	374.50	366.70	362.90	359.00	355.65
1.8125	1 $\frac{13}{16}$	1 $\frac{1}{2}$	10	2 $\frac{3}{8}$	13 $\frac{1}{2}$	56040	415.85	1.7531 - 1.8160	462.60	439.10	431.30	427.50	423.55	420.35
1.8750	1 $\frac{7}{8}$	1 $\frac{1}{2}$	10	2 $\frac{1}{2}$	14	56041	415.85	1.8161 - 1.8780	462.60	439.10	431.30	427.50	423.55	420.35
1.9375	1 $\frac{15}{16}$	1 $\frac{1}{2}$	10	2 $\frac{1}{2}$	14	56042	454.30	1.8781 - 1.9410	501.05	477.65	469.75	465.90	462.05	458.80
2.0000	2	1 $\frac{1}{2}$	12	2 $\frac{1}{2}$	14	56043	454.30	1.9411 - 2.0030	501.05	477.65	469.75	465.90	462.05	458.80
2.1250	2 $\frac{1}{8}$	1 $\frac{1}{2}$	12	2 $\frac{3}{4}$	14 $\frac{1}{2}$	56044	737.80	2.0031 - 2.1280	784.75	761.25	753.35	749.70	745.65	742.35
2.2500	2 $\frac{1}{4}$	1 $\frac{3}{4}$	12	2 $\frac{3}{4}$	14 $\frac{1}{2}$	56045	792.45	2.1281 - 2.2530	839.15	815.80	807.90	804.15	800.15	796.95
2.3750	2 $\frac{3}{8}$	1 $\frac{3}{4}$	12	3	15	56046	820.00	2.2531 - 2.3780	866.95	843.50	835.55	831.75	827.80	824.60
2.5000	2 $\frac{1}{2}$	1 $\frac{3}{4}$	12	3	15	56047	820.00	2.3781 - 2.5030	866.95	843.50	835.55	831.75	827.80	824.60

*Quantities of 15 or more: price of fractional size in same size range.



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Tolerances on page 42.

EXPANSION CHUCKING REAMERS

METRIC

CARBIDE TIPPED

List No. 5733 - Straight Shank - Straight Flute Long Carbide - Metric

Use: Same as list No. 5733 on page 66.



TOOL DIAMETER		SHANK DIAM.	NO. OF FLUTES	LENGTH		LIST 5733 EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	INCH			FLT	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
7.5	.2953	3/32	4	1	6	5733075	\$101.80	7.215 - 8.001	\$136.00	\$113.35	\$105.80	\$102.15	\$98.40	\$95.20	\$90.80
8.0	.3150	3/32	4	1	6	5733080	101.80	-	-	-	-	-	-	-	-
8.5	.3346	3/32	4	1	6	5733085	101.80	8.002 - 8.814	136.00	113.35	105.80	102.15	98.40	95.20	90.80
9.0	.3543	5/16	4	1	7	5733090	95.45	8.815 - 9.601	127.45	106.25	99.10	95.85	92.15	89.25	85.15
9.5	.3740	5/16	4	1	7	5733095	95.45	-	-	-	-	-	-	-	-
10.0	.3937	5/16	4	1	7	5733100	100.45	9.602 - 10.389	132.30	111.15	104.15	100.65	97.05	94.05	90.10
10.5	.4134	3/8	4	1	7	5733105	100.45	10.390 - 11.201	132.30	111.15	104.15	100.65	97.05	94.05	90.10
11.0	.4331	3/8	4	1	7	5733110	100.45	-	-	-	-	-	-	-	-
11.5	.4528	3/8	4	1	7	5733115	105.70	11.202 - 11.989	137.50	116.45	109.25	105.85	102.25	99.30	95.25
12.0	.4724	7/16	6	1	8	5733120	105.70	11.990 - 12.776	137.50	116.45	109.25	105.85	102.25	99.30	95.25
12.5	.4921	7/16	6	1	8	5733125	105.70	-	-	-	-	-	-	-	-
13.0	.5118	7/16	6	1	8	5733130	107.95	12.777 - 13.564	139.90	118.75	111.65	108.25	104.70	101.65	97.60
13.5	.5315	7/16	6	1	8	5733135	107.95	-	-	-	-	-	-	-	-
14.0	.5512	7/16	6	1 1/8	8	5733140	107.95	13.565 - 14.376	139.90	118.75	111.65	108.25	104.70	101.65	97.60
14.5	.5709	7/16	6	1 1/8	8	5733145	112.20	14.377 - 15.164	144.00	122.75	115.75	112.30	108.75	105.80	101.65
15.0	.5906	7/16	6	1 1/8	8	5733150	112.20	-	-	-	-	-	-	-	-
15.5	.6102	3/8	6	1 1/4	9	5733155	112.20	15.165 - 15.951	144.00	122.75	115.75	112.30	108.75	105.80	101.65
16.0	.6299	3/8	6	1 1/4	9	5733160	121.25	15.952 - 16.739	153.10	132.05	124.90	121.40	117.95	115.05	110.90
16.5	.6496	3/8	6	1 1/4	9	5733165	121.25	-	-	-	-	-	-	-	-
17.0	.6693	3/8	6	1 1/4	9	5733170	121.25	16.740 - 17.551	153.10	132.05	124.90	121.40	117.95	115.05	110.90
17.5	.6890	3/8	6	1 1/4	9	5733175	121.25	-	-	-	-	-	-	-	-
18.0	.7087	3/8	6	1 1/4	9	5733180	125.15	17.552 - 18.339	157.20	136.00	128.85	125.50	121.85	118.95	114.85
18.5	.7283	3/8	6	1 3/8	9 1/2	5733185	125.15	18.340 - 19.126	157.20	136.00	128.85	125.50	121.85	118.95	114.85
19.0	.7480	3/8	6	1 3/8	9 1/2	5733190	125.15	-	-	-	-	-	-	-	-
19.5	.7677	3/8	6	1 3/8	9 1/2	5733195	133.80	19.127 - 19.914	165.85	144.70	137.50	133.95	130.60	127.60	123.45
20.0	.7874	3/8	6	1 3/8	9 1/2	5733200	133.80	19.915 - 20.726	165.85	144.70	137.50	133.95	130.60	127.60	123.45
20.5	.8071	3/8	6	1 3/8	9 1/2	5733205	133.80	-	-	-	-	-	-	-	-
21.0	.8268	3/8	6	1 3/8	9 1/2	5733210	138.65	20.727 - 21.514	170.50	149.35	142.20	138.80	135.20	132.20	128.15
21.5	.8465	3/8	6	1 3/8	9 1/2	5733215	138.65	-	-	-	-	-	-	-	-
22.0	.8661	3/4	6	1 1/2	10	5733220	138.65	21.515 - 22.301	170.50	149.35	142.20	138.80	135.20	132.20	128.15
22.5	.8858	3/4	6	1 1/2	10	5733225	152.20	22.302 - 23.089	185.25	163.35	155.95	152.35	148.70	145.70	141.35
23.0	.9055	3/4	6	1 1/2	10	5733230	152.20	-	-	-	-	-	-	-	-
23.5	.9252	3/4	8	1 1/2	10	5733235	152.20	23.090 - 23.901	185.25	163.35	155.95	152.35	148.70	145.70	141.35
24.0	.9449	3/4	8	1 1/2	10	5733240	157.45	23.902 - 24.689	190.60	168.65	161.35	157.65	154.00	150.90	146.70
24.5	.9646	3/4	8	1 1/2	10	5733245	157.45	-	-	-	-	-	-	-	-
25.0	.9843	7/8	8	1 3/8	10 1/2	5733250	157.45	24.690 - 25.476	190.60	168.65	161.35	157.65	154.00	150.90	146.70
25.5	1.0039	7/8	8	1 3/8	10 1/2	5733255	171.25	25.477 - 27.076	204.35	182.45	175.00	171.35	167.75	164.70	160.40
26.0	1.0236	7/8	8	1 3/8	10 1/2	5733260	171.25	-	-	-	-	-	-	-	-
27.0	1.0630	7/8	8	1 3/8	10 1/2	5733270	171.25	-	-	-	-	-	-	-	-
28.0	1.1024	7/8	8	1 3/4	11	5733280	171.25	27.077 - 28.651	204.35	182.45	175.00	171.35	167.75	164.70	160.40
29.0	1.1417	1	8	1 3/4	11	5733290	185.50	28.652 - 30.239	218.60	196.65	189.35	185.60	182.00	179.05	174.65
30.0	1.1811	1	8	1 3/4	11	5733300	185.50	-	-	-	-	-	-	-	-
31.0	1.2205	1	8	1 7/8	11 1/2	5733310	185.50	30.240 - 31.826	218.60	196.65	189.35	185.60	182.00	179.05	174.65
32.0	1.2598	1	8	1 7/8	11 1/2	5733320	204.20	31.827 - 33.414	237.20	215.20	207.95	204.35	200.60	197.60	193.45
33.0	1.2992	1	8	1 7/8	11 1/2	5733330	204.20	-	-	-	-	-	-	-	-
34.0	1.3386	1	8	2	12	5733340	213.05	33.415 - 35.001	246.10	224.15	216.75	213.30	209.70	206.45	202.25
35.0	1.3780	1	8	2	12	5733350	213.05	-	-	-	-	-	-	-	-
36.0	1.4173	1 1/4	8	2	12	5733360	250.05	35.002 - 36.589	285.30	261.90	254.15	250.25	246.25	243.10	238.60
37.0	1.4567	1 1/4	8	2 1/8	12 1/2	5733370	257.00	36.590 - 38.176	292.25	268.95	261.05	257.10	253.35	250.00	245.50
38.0	1.4961	1 1/4	8	2 1/8	12 1/2	5733380	257.00	-	-	-	-	-	-	-	-
39.0	1.5354	1 1/4	8	2 1/8	12 1/2	5733390	332.50	38.177 - 39.776	367.85	344.40	336.50	332.70	328.70	325.40	321.00
40.0	1.5748	1 1/4	8	2 1/4	13	5733400	332.50	39.777 - 41.351	367.85	344.40	336.50	332.70	328.70	325.40	321.00
41.0	1.6142	1 1/4	8	2 1/4	13	5733410	332.50	-	-	-	-	-	-	-	-
42.0	1.6535	1 1/4	8	2 1/4	13	5733420	366.70	41.352 - 42.951	401.90	378.50	370.70	366.90	362.90	359.65	355.05
43.0	1.6929	1 1/4	10	2 3/8	13 1/2	5733430	366.70	42.952 - 44.526	401.90	378.50	370.70	366.90	362.90	359.65	355.05
44.0	1.7323	1 1/4	10	2 3/8	13 1/2	5733440	366.70	-	-	-	-	-	-	-	-

Diameters up to 63mm - call us for price & availability.

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67

Tolerances on page 42.

Made in the USA

EXPANSION CHUCKING REAMERS

CARBIDE TIPPED

List No. 5734 - Taper Shank - Full Flute Length Carbide

Use: For reaming abrasive materials. When the diameter wears down to the low limit, it may be expanded oversize, reground to size and recleared. The expansion screw should NEVER BE LOOSENED in an attempt to use the reamer for a size smaller than that to which the tool was originally finish ground. Alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER	MINIMUM EXPANSION
$\frac{5}{16}$ " - $\frac{15}{32}$ "	.006"
$\frac{1}{2}$ " - $\frac{31}{32}$ "	.010"
1" - 1 $\frac{1}{2}$ "	.013"
1 $\frac{1}{16}$ " - 2 $\frac{1}{2}$ "	.015"

TOOL DIAMETER		MORSE TAPER	NO. OF FLUTES	LENGTH		LIST 5734 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.3125	$\frac{5}{16}$	1	4	1	6	56050	\$97.90	.2841 - .3150	\$143.15	\$120.45	\$112.95	\$109.25	\$105.50	\$102.35
.3438	$\frac{11}{32}$	1	4	1	6	56051	97.90	.3151 - .3470	143.15	120.45	112.95	109.25	105.50	102.35
.3750	$\frac{3}{8}$	1	4	1	7	56053	91.80	.3471 - .3780	134.25	112.95	105.85	102.50	98.90	96.05
.4062	$\frac{13}{32}$	1	4	1	7	56094	94.65	.3781 - .4090	137.00	115.75	108.60	105.25	101.55	98.75
.4375	$\frac{7}{16}$	1	4	1	7	56054	94.65	.4091 - .4410	137.00	115.75	108.60	105.25	101.55	98.75
.4688	$\frac{15}{32}$	1	4	1	7	56084	99.25	.4411 - .4720	141.70	120.45	113.30	109.95	106.25	103.40
.5000	$\frac{1}{2}$	1	6	1	8	56055	99.25	.4721 - .5030	141.70	120.45	113.30	109.95	106.25	103.40
.5312	$\frac{17}{32}$	1	6	1	8	56056	102.25	.5031 - .5340	144.70	123.40	116.35	112.95	109.25	106.40
.5625	$\frac{9}{16}$	1	6	1 $\frac{1}{8}$	8	56057	102.25	.5341 - .5660	144.70	123.40	116.35	112.95	109.25	106.40
.5938	$\frac{19}{32}$	1	6	1 $\frac{1}{8}$	8	56058	106.40	.5661 - .5970	148.75	127.60	120.55	117.10	113.60	110.65
.6250	$\frac{5}{8}$	2	6	1 $\frac{1}{4}$	9	56059	106.40	.5971 - .6280	148.75	127.60	120.55	117.10	113.60	110.65
.6562	$\frac{21}{32}$	2	6	1 $\frac{1}{4}$	9	56060	119.80	.6281 - .6590	162.15	140.85	133.75	130.40	126.80	124.00
.6875	$\frac{11}{16}$	2	6	1 $\frac{1}{4}$	9	56061	119.80	.6591 - .6910	162.15	140.85	133.75	130.40	126.80	124.00
.7188	$\frac{23}{32}$	2	6	1 $\frac{1}{4}$	9	56062	120.00	.6911 - .7220	162.50	141.30	134.25	130.85	127.05	124.30
.7500	$\frac{3}{4}$	2	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56063	120.00	.7221 - .7530	162.50	141.30	134.25	130.85	127.05	124.30
.7812	$\frac{25}{32}$	2	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56064	128.95	.7531 - .7840	171.35	150.05	143.10	139.70	136.00	133.15
.8125	$\frac{13}{16}$	2	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56065	128.95	.7841 - .8160	171.35	150.05	143.10	139.70	136.00	133.15
.8438	$\frac{27}{32}$	2	6	1 $\frac{3}{8}$	9 $\frac{1}{2}$	56066	134.40	.8161 - .8470	176.75	155.50	148.45	145.00	141.35	138.45
.8750	$\frac{7}{8}$	2	6	1 $\frac{1}{2}$	10	56067	139.55	.8471 - .8780	183.35	161.45	154.00	150.55	146.70	143.65
.9062	$\frac{29}{32}$	2	6	1 $\frac{1}{2}$	10	56068	147.50	.8781 - .9090	191.45	169.45	162.00	158.50	154.70	151.80
.9375	$\frac{15}{16}$	3	8	1 $\frac{1}{2}$	10	56069	147.50	.9091 - .9720	191.45	169.45	162.00	158.50	154.70	151.80
1.0000	1	3	8	1 $\frac{1}{8}$	10 $\frac{1}{2}$	56071	152.85	.9721 - 1.0030	196.70	174.65	167.25	163.80	160.15	157.00
1.0312	1 $\frac{1}{32}$	3	8	1 $\frac{1}{8}$	10 $\frac{1}{2}$	56072	167.15	-	-	-	-	-	-	-
1.0625	1 $\frac{1}{16}$	3	8	1 $\frac{1}{8}$	10 $\frac{1}{2}$	56073	167.15	1.0031 - 1.0660	211.35	189.20	181.80	178.30	174.55	171.55
1.0938	1 $\frac{3}{32}$	3	8	1 $\frac{3}{4}$	11	56099	167.15	-	-	-	-	-	-	-
1.1250	1 $\frac{1}{8}$	3	8	1 $\frac{3}{4}$	11	56075	167.15	1.0661 - 1.1280	211.35	189.20	181.80	178.30	174.55	171.55
1.1875	1 $\frac{3}{16}$	3	8	1 $\frac{3}{4}$	11	56076	188.05	1.1281 - 1.1905	232.00	209.95	202.65	199.15	195.40	192.40
1.2500	1 $\frac{1}{4}$	4	8	1 $\frac{1}{8}$	11 $\frac{1}{2}$	56077	190.65	1.1906 - 1.2530	234.55	212.60	205.25	201.75	197.85	194.95
1.3125	1 $\frac{5}{16}$	4	8	1 $\frac{7}{8}$	11 $\frac{1}{2}$	56078	208.40	1.2531 - 1.3155	252.30	230.30	222.90	219.45	215.75	212.65
1.3750	1 $\frac{3}{8}$	4	8	2	12	56079	228.30	1.3156 - 1.3780	272.10	250.15	242.85	239.30	235.55	232.50
1.4375	1 $\frac{7}{16}$	4	8	2	12	56080	256.25	1.3781 - 1.4405	303.10	279.60	271.80	268.00	263.95	260.85
1.5000	1 $\frac{1}{2}$	4	8	2 $\frac{1}{8}$	12 $\frac{1}{2}$	56081	265.30	1.4406 - 1.5030	312.25	288.70	280.75	277.15	273.05	269.85
1.5625	1 $\frac{9}{16}$	4	8	2 $\frac{1}{8}$	12 $\frac{1}{2}$	56085	364.55	1.5031 - 1.5660	411.50	387.95	380.15	376.40	372.30	369.10
1.6250	1 $\frac{5}{8}$	4	8	2 $\frac{1}{4}$	13	56086	364.55	1.5661 - 1.6280	411.50	387.95	380.15	376.40	372.30	369.10
1.6875	1 $\frac{11}{16}$	4	8	2 $\frac{1}{4}$	13	56087	403.75	1.6281 - 1.6910	450.70	427.20	419.30	415.50	411.55	408.35
1.7500	1 $\frac{3}{4}$	4	10	2 $\frac{3}{8}$	13 $\frac{1}{2}$	56088	403.75	1.6911 - 1.7530	450.70	427.20	419.30	415.50	411.55	408.35
1.8125	1 $\frac{13}{16}$	4	10	2 $\frac{3}{8}$	13 $\frac{1}{2}$	56089	478.00	1.7531 - 1.8160	524.95	501.55	493.70	489.90	485.80	482.70
1.8750	1 $\frac{7}{8}$	4	10	2 $\frac{1}{2}$	14	56090	478.00	1.8161 - 1.8780	524.95	501.55	493.70	489.90	485.80	482.70
1.9375	1 $\frac{15}{16}$	4	10	2 $\frac{1}{2}$	14	56091	522.50	1.8781 - 1.9410	569.25	545.75	537.85	534.20	530.10	527.10
2.0000	2	4	12	2 $\frac{1}{2}$	14	56092	522.50	1.9411 - 2.0030	569.25	545.75	537.85	534.20	530.10	527.10
2.1250	2 $\frac{1}{8}$	5	12	2 $\frac{3}{4}$	14 $\frac{1}{2}$	56095	782.15	2.0031 - 2.1280	829.00	805.60	797.65	793.95	790.00	786.70
2.2500	2 $\frac{1}{4}$	5	12	2 $\frac{3}{4}$	14 $\frac{1}{2}$	56096	839.90	2.1281 - 2.2530	886.90	863.35	855.60	851.70	847.75	844.65
2.3750	2 $\frac{3}{8}$	5	12	3	15	56097	869.15	2.2531 - 2.3780	915.95	892.65	884.65	881.05	876.95	873.80
2.5000	2 $\frac{1}{2}$	5	12	3	15	56098	869.15	2.3781 - 2.5030	915.95	892.65	884.65	881.05	876.95	873.80

*Quantities of 15 or more: price of fractional size in same size range.



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Tolerances on page 42.

EXPANSION CHUCKING REAMERS

METRIC

CARBIDE TIPPED

List No. 5734 - Taper Shank - Straight Flute Long Carbide - Metric

Use: Same as List No. 5734 on page 68.



TOOL DIAMETER		MORSE TAPER	NO. OF FLUTES	LENGTH		LIST 5734 EDP NO.	PRICE EACH	METRIC SIZE RANGE	PRICE EACH - FINISHED TO METRIC SIZE						
mm	INCH			FLT	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14	15+
7.5	.2953	1	4	1	6	5734075	\$112.95	7.215 - 8.001	\$146.95	\$124.35	\$116.85	\$113.10	\$109.25	\$106.15	\$101.75
8.0	.3150	1	4	1	6	5734080	112.95	-	-	-	-	-	-	-	-
8.5	.3346	1	4	1	6	5734085	112.95	8.002 - 8.814	146.95	124.35	116.85	113.10	109.25	106.15	101.75
9.0	.3543	1	4	1	7	5734090	105.85	8.815 - 9.601	137.70	116.55	109.50	106.00	102.50	99.55	95.35
9.5	.3740	1	4	1	7	5734095	105.85	-	-	-	-	-	-	-	-
10.0	.3937	1	4	1	7	5734100	108.60	9.602 - 10.389	140.50	119.45	112.30	108.80	105.25	102.25	98.15
10.5	.4134	1	4	1	7	5734105	108.60	10.390 - 11.201	140.50	119.45	112.30	108.80	105.25	102.25	98.15
11.0	.4331	1	4	1	7	5734110	108.60	-	-	-	-	-	-	-	-
11.5	.4528	1	4	1	7	5734115	113.30	11.202 - 11.989	145.20	124.05	117.00	113.60	109.95	107.05	102.90
12.0	.4724	1	6	1	8	5734120	113.30	11.990 - 12.776	145.20	124.05	117.00	113.60	109.95	107.05	102.90
12.5	.4921	1	6	1	8	5734125	113.30	-	-	-	-	-	-	-	-
13.0	.5118	1	6	1	8	5734130	116.35	12.777 - 13.564	148.30	127.00	119.90	116.50	112.95	110.10	105.90
13.5	.5315	1	6	1	8	5734135	116.35	-	-	-	-	-	-	-	-
14.0	.5512	1	6	1 1/8	8	5734140	116.35	13.565 - 14.376	148.30	127.00	119.90	116.50	112.95	110.10	105.90
14.5	.5709	1	6	1 1/8	8	5734145	120.55	14.377 - 15.164	152.35	131.15	124.15	120.70	117.10	114.10	110.15
15.0	.5906	1	6	1 1/8	8	5734150	120.55	-	-	-	-	-	-	-	-
15.5	.6102	2	6	1 1/4	9	5734155	120.55	15.165 - 15.951	152.35	131.15	124.15	120.70	117.10	114.10	110.15
16.0	.6299	2	6	1 1/4	9	5734160	133.75	15.952 - 16.739	165.75	144.55	137.40	133.85	130.40	127.55	123.40
16.5	.6496	2	6	1 1/4	9	5734165	133.75	-	-	-	-	-	-	-	-
17.0	.6693	2	6	1 1/4	9	5734170	133.75	16.740 - 17.551	165.75	144.55	137.40	133.85	130.40	127.55	123.40
17.5	.6890	2	6	1 1/4	9	5734175	133.75	-	-	-	-	-	-	-	-
18.0	.7087	2	6	1 1/4	9	5734180	134.25	17.552 - 18.339	166.10	144.90	137.90	134.40	130.85	127.85	123.85
18.5	.7283	2	6	1 1/4	9 1/2	5734185	134.25	18.340 - 19.126	166.10	144.90	137.90	134.40	130.85	127.85	123.85
19.0	.7480	2	6	1 3/8	9 1/2	5734190	134.25	-	-	-	-	-	-	-	-
19.5	.7677	2	6	1 3/8	9 1/2	5734195	143.10	19.127 - 19.914	174.95	153.85	146.70	143.25	139.70	136.70	132.60
20.0	.7874	2	6	1 3/8	9 1/2	5734200	143.10	19.915 - 20.726	174.95	153.85	146.70	143.25	139.70	136.70	132.60
20.5	.8071	2	6	1 3/8	9 1/2	5734205	143.10	-	-	-	-	-	-	-	-
21.0	.8268	2	6	1 3/8	9 1/2	5734210	148.45	20.727 - 21.514	180.25	159.15	152.10	148.55	145.00	141.95	138.10
21.5	.8465	2	6	1 3/8	9 1/2	5734215	148.45	-	-	-	-	-	-	-	-
22.0	.8661	2	6	1 1/2	10	5734220	148.45	21.515 - 22.301	180.25	159.15	152.10	148.55	145.00	141.95	138.10
22.5	.8858	2	6	1 1/2	10	5734225	162.00	22.302 - 23.089	195.15	173.10	165.85	162.15	158.50	155.50	151.25
23.0	.9055	2	6	1 1/2	10	5734230	162.00	-	-	-	-	-	-	-	-
23.5	.9252	3	8	1 1/2	10	5734235	162.00	23.090 - 23.901	195.15	173.10	165.85	162.15	158.50	155.50	151.25
24.0	.9449	3	8	1 1/2	10	5734240	167.25	23.902 - 24.689	200.45	178.60	171.20	167.65	163.80	160.80	156.65
24.5	.9646	3	8	1 1/2	10	5734245	167.25	-	-	-	-	-	-	-	-
25.0	.9843	3	8	1 1/2	10 1/2	5734250	167.25	24.690 - 25.476	200.45	178.60	171.20	167.65	163.80	160.80	156.65
25.5	1.0039	3	8	1 5/8	10 1/2	5734255	181.80	25.477 - 27.076	214.95	192.95	185.55	182.00	178.30	175.35	171.05
26.0	1.0236	3	8	1 5/8	10 1/2	5734260	181.80	-	-	-	-	-	-	-	-
27.0	1.0630	3	8	1 5/8	10 1/2	5734270	181.80	-	-	-	-	-	-	-	-
28.0	1.1024	3	8	1 3/4	11	5734280	181.80	27.077 - 28.651	214.95	192.95	185.55	182.00	178.30	175.35	171.05
29.0	1.1417	3	8	1 3/4	11	5734290	202.65	28.652 - 30.239	235.70	213.80	206.40	202.80	199.15	196.05	191.75
30.0	1.1811	3	8	1 3/4	11	5734300	202.65	-	-	-	-	-	-	-	-
31.0	1.2205	4	8	1 7/8	11 1/2	5734310	205.25	30.240 - 31.826	238.35	216.35	209.00	205.35	201.75	198.65	194.35
32.0	1.2598	4	8	1 7/8	11 1/2	5734320	222.90	31.827 - 33.414	255.95	234.00	226.75	223.10	219.45	216.35	212.15
33.0	1.2992	4	8	1 7/8	11 1/2	5734330	222.90	-	-	-	-	-	-	-	-
34.0	1.3386	4	8	2	12	5734340	242.85	33.415 - 35.001	275.85	254.05	246.60	243.05	239.30	236.25	232.00
35.0	1.3780	4	8	2	12	5734350	242.85	-	-	-	-	-	-	-	-
36.0	1.4173	4	8	2	12	5734360	271.80	35.002 - 36.589	307.00	283.60	275.70	271.95	268.00	264.65	260.30
37.0	1.4567	4	8	2 1/8	12 1/2	5734370	280.75	36.590 - 38.176	316.20	292.70	284.95	281.10	277.15	273.90	269.30
38.0	1.4961	4	8	2 1/8	12 1/2	5734380	280.75	-	-	-	-	-	-	-	-
39.0	1.5354	4	8	2 1/8	12 1/2	5734390	380.15	38.177 - 39.776	415.35	391.95	384.25	380.25	376.40	373.10	368.65
40.0	1.5748	4	8	2 1/4	13	5734400	380.15	39.777 - 41.351	415.35	391.95	384.25	380.25	376.40	373.10	368.65
41.0	1.6142	4	8	2 1/4	13	5734410	380.15	-	-	-	-	-	-	-	-
42.0	1.6535	4	8	2 1/4	13	5734420	419.30	41.352 - 42.951	454.60	431.20	423.40	419.60	415.50	412.40	407.70
43.0	1.6929	4	10	2 3/8	13 1/2	5734430	419.30	42.952 - 44.526	454.60	431.20	423.40	419.60	415.50	412.40	407.70
44.0	1.7323	4	10	2 3/8	13 1/2	5734440	419.30	-	-	-	-	-	-	-	-

Diameters up to 63mm - call us for price & availability.

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69

Tolerances on page 42.

Made in the USA

CHUCKING REAMERS - NAS 897

CARBIDE TIPPED

List No. 9408 - Straight Shank - Straight Flute - Partial Flute Length Carbide

Use: For use in many composite materials including graphite, epoxy based, and metal matrix.
Conforms with specification NAS 897 - Type C. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH			LIST 9408 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT	CARB	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.2500	1/4	.2405	4	1 1/2	1/2	6	41008	\$56.95	.2381 - .2530	\$100.85	\$78.90	\$71.55	\$68.00	\$64.15	\$61.25
.2812	9/32	.2485	4	1 1/2	1/2	6	41009	58.00	.2531 - .2840	102.10	80.00	72.70	69.05	65.35	62.25
.3125	5/16	.2792	4	1 1/2	1/2	6	41010	58.00	.2841 - .3150	102.10	80.00	72.70	69.05	65.35	62.25
.3438	11/32	.2792	4	1 1/2	5/8	6	41011	60.30	.3151 - .3470	104.20	82.25	74.85	71.40	67.50	64.60
.3750	3/8	.3105	4	1 3/4	5/8	7	41012	55.30	.3471 - .3780	95.55	75.40	68.70	65.50	62.00	59.25
.4062	13/32	.3105	4	1 3/4	5/8	7	41013	63.15	.3781 - .4090	107.15	85.10	77.75	74.20	70.30	67.45
.4375	7/16	.3730	6	1 3/4	5/8	7	41014	67.30	.4091 - .4410	111.30	89.25	81.95	78.35	74.55	71.65
.4688	15/32	.3730	6	1 3/4	5/8	7	41015	68.25	.4411 - .4720	112.30	90.25	82.90	79.35	75.65	72.70
.5000	1/2	.4355	6	2	5/8	8	41016	80.70	.4721 - .5030	129.25	104.90	96.80	92.95	88.80	85.50
.5312	17/32	.4355	6	2	5/8	8	41017	87.95	.5031 - .5340	136.25	112.00	104.00	100.05	96.05	92.65
.5625	9/16	.4355	6	2	5/8	8	41018	87.95	.5341 - .5660	136.25	112.00	104.00	100.05	96.05	92.65
.5938	19/32	.4355	6	2	5/8	8	41019	91.55	.5661 - .5970	139.90	115.65	107.45	103.65	99.55	96.20
.6250	5/8	.5615	6	2 1/4	5/8	9	41020	91.55	.5971 - .6280	139.90	115.65	107.45	103.65	99.55	96.20
.6562	21/32	.5615	6	2 1/4	5/8	9	41021	93.10	.6281 - .6590	141.60	117.20	109.05	105.25	101.05	97.85
.6875	11/16	.5615	6	2 1/4	5/8	9	41022	93.10	.6591 - .6910	141.60	117.20	109.05	105.25	101.05	97.85
.7188	23/32	.5615	6	2 1/4	5/8	9	41023	97.50	.6911 - .7220	145.85	121.50	113.55	109.55	105.50	102.15
.7500	3/4	.6245	6	2 1/2	3/4	9 1/2	41024	97.50	.7221 - .7530	145.85	121.50	113.55	109.55	105.50	102.15
.7812	25/32	.6245	6	2 1/2	3/4	9 1/2	41025	100.60	.7531 - .7840	149.05	124.80	116.60	112.70	108.55	105.45
.8125	13/16	.6245	6	2 1/2	3/4	9 1/2	41026	100.60	.7841 - .8160	149.05	124.80	116.60	112.70	108.55	105.45
.8438	27/32	.6245	6	2 1/2	3/4	9 1/2	41027	104.70	.8161 - .8470	152.95	128.75	120.70	116.85	112.60	109.45
.8750	7/8	.7495	6	2 5/8	3/4	10	41028	108.55	.8471 - .8780	158.85	133.65	125.15	121.25	117.00	113.60
.9062	29/32	.7495	6	2 5/8	3/4	10	41029	126.45	.8781 - .9090	176.70	151.50	143.15	139.10	134.75	131.35
.9375	15/16	.7495	8	2 5/8	3/4	10	41030	126.45	.9091 - .9410	176.70	151.50	143.15	139.10	134.75	131.35
.9688	31/32	.7495	8	2 5/8	3/4	10	41031	132.45	.9411 - .9720	182.65	157.45	149.15	145.00	140.65	137.25
1.0000	1	.8745	8	2 3/4	3/4	10 1/2	41032	132.45	.9721 - 1.0030	182.65	157.45	149.15	145.00	140.65	137.25
1.0625	1 1/16	.8745	8	2 3/4	3/4	10 1/2	41034	137.15	1.0031 - 1.0660	185.25	161.25	153.10	149.25	145.05	141.85
1.1250	1 1/8	.8745	8	2 7/8	7/8	11	41036	148.30	1.0661 - 1.1280	196.40	172.25	164.25	160.30	156.20	152.95
1.1875	1 3/16	.9995	8	2 7/8	7/8	11	41038	155.80	1.1281 - 1.1905	203.95	179.90	171.80	167.90	163.80	160.65
1.2500	1 1/4	.9995	8	3	7/8	11 1/2	41040	164.70	1.1906 - 1.2530	212.85	188.80	180.60	176.80	172.75	169.45
1.3125	1 5/16	.9995	8	3	7/8	11 1/2	41042	173.30	1.2531 - 1.3155	221.50	197.50	189.35	185.50	181.30	178.05
1.3750	1 3/8	.9995	8	3 1/4	7/8	12	41044	183.90	1.3156 - 1.3780	232.15	207.95	199.80	196.05	191.75	188.60
1.4375	1 7/16	.9995	8	3 1/4	7/8	12	41046	204.95	1.3781 - 1.4405	253.25	228.95	220.95	217.20	212.90	209.80
1.5000	1 1/2	1.2495	8	3 1/2	7/8	12 1/2	41048	216.65	1.4406 - 1.5030	264.85	240.75	232.60	228.85	224.65	221.40

*Quantities of 15 or more: price of fractional size in same size range.



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Made in the USA

Tolerances on page 42.

CHUCKING REAMERS - NAS 897

CARBIDE TIPPED

List No. 9458 - Straight Shank - Straight Flute - Full Flute Length Carbide

Use: For use in many composite materials including graphite, epoxy based, and metal matrix. Conforms with specification NAS 897 - Type C. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 9458 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRACTION			FLT.	OAL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1875	3/16	.1805	4	1 1/8	4 1/2	44106	\$67.55	.1770 - .2040	\$112.80	\$90.15	\$82.55	\$79.00	\$75.15	\$72.00
.2188	7/32	.2075	4	1 1/4	5	44107	67.55	.2041 - .2210	112.80	90.15	82.55	79.00	75.15	72.00
.2344	15/64	.2265	4	1 1/2	6	4412344	67.55	.2211 - .2380	112.80	90.15	82.55	79.00	75.15	72.00
.2500	1/4	.2405	4	1 1/2	6	44108	67.55	.2381 - .2530	112.80	90.15	82.55	79.00	75.15	72.00
.2812	9/32	.2485	4	1 1/2	6	44109	69.05	.2531 - .2840	114.25	91.70	84.05	80.55	76.60	73.65
.3125	5/16	.2792	4	1 1/2	6	44110	69.05	.2841 - .3150	114.25	91.70	84.05	80.55	76.60	73.65
.3438	11/32	.2792	4	1 1/2	6	44111	71.60	.3151 - .3470	116.85	94.05	86.55	82.95	79.15	76.10
.3750	3/8	.3105	4	1 3/4	7	44112	71.60	.3471 - .3780	116.85	94.05	86.55	82.95	79.15	76.10
.4062	13/32	.3105	4	1 3/4	7	44113	75.15	.3781 - .4090	120.25	97.65	90.10	86.50	82.55	79.55
.4375	7/16	.3730	6	1 3/4	7	44114	81.30	.4091 - .4410	126.45	103.90	96.25	92.65	88.80	85.70
.4688	15/32	.3730	6	1 3/4	7	44115	87.80	.4411 - .4720	133.10	110.30	102.90	99.25	95.30	92.30
.5000	1/2	.4355	6	2	8	44116	94.05	.4721 - .5030	142.55	118.30	110.20	106.30	102.15	98.95
.5312	17/32	.4355	6	2	8	44117	96.80	.5031 - .5340	145.20	120.95	112.80	108.95	104.85	101.50
.5625	9/16	.4355	6	2	8	44118	96.80	.5341 - .5660	145.20	120.95	112.80	108.95	104.85	101.50
.5938	19/32	.4355	6	2	8	44119	100.45	.5661 - .5970	148.85	124.70	116.50	112.60	108.50	105.25
.6250	5/8	.5615	6	2 1/4	9	44120	100.45	.5971 - .6280	148.85	124.70	116.50	112.60	108.50	105.25
.6562	21/32	.5615	6	2 1/4	9	44121	102.35	.6281 - .6590	150.85	126.55	118.35	114.55	110.30	107.15
.6875	11/16	.5615	6	2 1/4	9	44122	102.35	.6591 - .6910	150.85	126.55	118.35	114.55	110.30	107.15
.7188	23/32	.5615	6	2 1/4	9	44123	107.05	.6911 - .7220	155.45	131.05	123.20	119.25	115.10	111.75
.7500	3/4	.6245	6	2 1/2	9 1/2	44124	107.05	.7221 - .7530	155.45	131.05	123.20	119.25	115.10	111.75
.7812	25/32	.6245	6	2 1/2	9 1/2	44125	110.80	.7531 - .7840	159.05	134.80	126.70	122.75	118.70	115.35
.8125	13/16	.6245	6	2 1/2	9 1/2	44126	110.80	.7841 - .8160	159.05	134.80	126.70	122.75	118.70	115.35
.8438	27/32	.6245	6	2 1/2	9 1/2	44127	115.20	.8161 - .8470	163.50	139.15	131.05	127.35	123.25	119.85
.8750	7/8	.7495	6	2 5/8	10	44128	119.55	.8471 - .8780	169.65	144.55	136.10	132.10	127.75	124.35
.9062	29/32	.7495	6	2 5/8	10	44129	139.10	.8781 - .9090	189.40	164.25	155.70	151.70	147.40	144.00
.9375	15/16	.7495	8	2 5/8	10	44130	139.10	.9091 - .9410	189.40	164.25	155.70	151.70	147.40	144.00
.9688	31/32	.7495	8	2 5/8	10	44131	145.80	.9411 - .9720	196.05	170.95	162.40	158.35	154.05	150.65
1.0000	1	.8745	8	2 3/4	10 1/2	44132	145.80	.9721 - 1.0030	196.05	170.95	162.40	158.35	154.05	150.65
1.0625	1 1/16	.8745	8	2 3/4	10 1/2	44134	150.75	1.0031 - 1.0660	198.90	174.65	166.75	162.85	158.70	155.50
1.1250	1 1/8	.8745	8	2 7/8	11	44136	163.30	1.0661 - 1.1280	211.40	187.25	179.15	175.35	171.25	167.90
1.1875	1 3/16	.9995	8	2 7/8	11	44138	170.65	1.1281 - 1.1905	218.85	194.80	186.70	182.85	178.70	175.40
1.2500	1 1/4	.9995	8	3	11 1/2	44140	184.45	1.1906 - 1.2530	232.60	208.60	200.40	196.65	192.45	189.20
1.3125	1 5/16	.9995	8	3	11 1/2	44142	189.55	1.2531 - 1.3155	237.80	213.70	205.55	201.75	197.60	194.30
1.3750	1 3/8	.9995	8	3 1/4	12	44144	202.25	1.3156 - 1.3780	250.30	226.25	218.20	214.40	210.10	207.00
1.4375	1 7/16	.9995	8	3 1/4	12	44146	219.00	1.3781 - 1.4405	267.15	243.05	234.95	231.05	227.00	223.70
1.5000	1 1/2	1.2495	8	3 1/2	12 1/2	44148	225.35	1.4406 - 1.5030	273.50	249.35	241.30	237.45	233.40	230.10
1.5625	1 5/8	1.2495	8	3 1/2	12 1/2	44150	353.95	1.5031 - 1.5660	402.20	378.15	370.05	366.10	362.00	358.65
1.6250	1 5/8	1.2495	8	3 1/2	13	44152	366.05	1.5661 - 1.6280	414.35	390.25	382.15	378.30	374.10	370.90
1.6875	1 11/16	1.2495	8	3 1/2	13	44154	401.95	1.6281 - 1.6910	450.20	426.15	418.00	414.20	410.00	406.75
1.7500	1 3/4	1.2495	10	3 1/2	13 1/2	44156	401.95	1.6911 - 1.7530	450.20	426.15	418.00	414.20	410.00	406.75
1.8125	1 13/16	1.4995	10	3 1/2	13 1/2	44158	411.40	1.7531 - 1.8160	459.55	435.50	427.40	423.55	419.30	416.15
1.8750	1 7/8	1.4995	10	3 1/2	14	44160	431.45	1.8161 - 1.8780	479.65	455.50	447.35	443.65	439.50	436.20
1.9375	1 15/16	1.4995	10	3 1/2	14	44162	457.35	1.8781 - 1.9410	505.55	481.40	473.35	469.55	465.40	462.15
2.0000	2	1.4995	12	3 1/2	14	44164	456.65	1.9411 - 2.0030	504.95	480.75	472.80	468.90	464.75	461.50
2.1250	2 1/8	1.4995	12	3 1/2	14 1/2	44168	848.50	2.0031 - 2.1280	896.75	872.60	864.50	860.80	856.50	853.30
2.2500	2 1/4	1.7495	12	3 1/2	14 1/2	44172	911.30	2.1281 - 2.2530	959.55	935.40	927.40	923.60	919.35	916.20
2.3750	2 3/8	1.7495	12	3 1/2	15	44176	943.00	2.2531 - 2.3780	991.20	967.05	958.95	955.20	951.00	947.80
2.5000	2 1/2	1.7495	12	3 1/2	15	44180	943.00	2.3781 - 2.5030	991.20	967.05	958.95	955.20	951.00	947.80

*Quantities of 15 or more: price of fractional size in same size range.

COOLANT FED REAMERS

CARBIDE TIPPED

List No. 5680 - Straight Shank - Straight Flute - Full Flute Length Carbide - Center Fed

Use: Center fed coolant reamers are for blind holes so the chips will be forced out through the top of the hole. Hardened alloy steel bodies with brazed on carbide tips.



List No. 5681 - Straight Shank - Straight Flute - Full Flute Length Carbide - Flute Fed

Use: Flute fed coolant reamers are for through holes so the chips will be forced out through the bottom of the hole. Hardened alloy steel bodies brazed on carbide tips.



TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 5680 CENTER FED EDP NO.	PRICE EACH	LIST 5681 FLUTE FED EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT.	OVER-ALL						1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14*
.1875	3/16	.1805	4	1 1/4	5	46106	\$154.95	46406	\$160.80	.1770-.2040	\$209.15	\$185.05	\$176.80	\$172.95	\$168.80	\$165.45
.2188	7/32	.2075	4	1 1/4	5	46107	154.95	46407	160.80	.2041-.2210	209.15	185.05	176.80	172.95	168.80	165.45
.2344	15/64	.2265	4	1 1/2	6	46101	154.95	46401	160.80	.2211-.2380	209.15	185.05	176.80	172.95	168.80	165.45
.2500	1/4	.2405	4	1 1/2	6	46108	154.95	46408	160.80	.2381-.2530	209.15	185.05	176.80	172.95	168.80	165.45
.2812	9/32	.2485	4	1 1/2	6	46109	164.40	46409	164.40	.2531-.2840	212.85	188.60	180.45	176.55	172.40	169.25
.3125	5/16	.2792	4	1 1/2	6	46110	173.70	46410	178.40	.2841-.3150	226.90	202.50	194.35	190.60	186.50	183.20
.3438	11/32	.2792	4	1 1/2	6	46111	175.05	46411	178.40	.3151-.3470	226.90	202.50	194.35	190.60	186.50	183.20
.3750	3/8	.3105	4	1 3/4	7	46112	176.80	46412	178.40	.3471-.3780	226.90	202.50	194.35	190.60	186.50	183.20
.4062	13/32	.3105	4	1 3/4	7	46113	177.40	46413	182.75	.3781-.4090	231.25	207.05	198.95	195.00	190.90	187.55
.4375	7/16	.3730	6	1 3/4	7	46114	179.15	46414	187.25	.4091-.4410	235.70	211.45	203.40	199.45	195.40	192.05
.4688	15/32	.3730	6	1 3/4	7	46115	180.70	46415	187.25	.4411-.4720	235.70	211.45	203.40	199.45	195.40	192.05
.5000	1/2	.4355	6	2	8	46116	182.75	46416	187.25	.4721-.5030	235.70	211.45	203.40	199.45	195.40	192.05
.5312	17/32	.4355	6	2	8	46117	186.90	46417	198.10	.5031-.5340	246.45	222.30	214.20	210.35	206.10	202.85
.5625	9/16	.4355	6	2	8	46118	189.55	46418	200.95	.5341-.5660	249.30	225.15	216.85	213.05	208.85	205.60
.5938	19/32	.4355	6	2	8	46119	193.55	46419	202.70	.5661-.5970	251.10	226.95	218.80	214.90	210.75	207.45
.6250	5/8	.5615	6	2 1/4	9	46120	197.20	46420	202.70	.5971-.6280	251.10	226.95	218.80	214.90	210.75	207.45
.6562	23/32	.5615	6	2 1/4	9	46121	218.30	46421	224.70	.6281-.6590	273.25	248.90	240.75	236.95	232.70	229.55
.6875	11/16	.5615	6	2 1/4	9	46122	222.70	46422	224.70	.6591-.6910	273.25	248.90	240.75	236.95	232.70	229.55
.7188	23/32	.5615	6	2 1/4	9	46123	232.30	46423	240.15	.6911-.7220	288.55	264.35	256.25	252.35	248.15	244.85
.7500	3/4	.6245	6	2 1/2	9 1/2	46124	232.30	46424	240.15	.7221-.7530	288.55	264.35	256.25	252.35	248.15	244.85
.7812	25/32	.6245	6	2 1/2	9 1/2	46125	239.25	46425	240.15	.7531-.7840	288.55	264.35	256.25	252.35	248.15	244.85
.8125	13/16	.6245	6	2 1/2	9 1/2	46126	239.25	46426	240.15	.7841-.8160	288.55	264.35	256.25	252.35	248.15	244.85
.8438	27/32	.6245	6	2 1/2	9 1/2	46127	247.40	46427	247.40	.8161-.8470	295.75	271.65	263.35	259.55	255.45	252.05
.8750	7/8	.7495	6	2 5/8	10	46128	256.80	46428	256.80	.8471-.8780	307.00	281.75	273.35	269.30	265.10	261.65
.9062	29/32	.7495	6	2 5/8	10	46129	285.10	46429	288.25	.8781-.9090	338.45	313.35	304.95	300.85	296.45	293.20
.9375	15/16	.7495	8	2 5/8	10	46130	285.10	46430	295.05	.9091-.9410	345.15	320.05	311.60	307.60	303.20	299.90
.9688	31/32	.7495	8	2 5/8	10	46131	286.20	46431	295.05	.9411-.9720	345.15	320.05	311.60	307.60	303.20	299.90
1.0000	1	.8745	8	2 3/4	10 1/2	46132	286.20	46432	295.05	.9721-1.0030	345.15	320.05	311.60	307.60	303.20	299.90
1.0625	1 1/16	.8745	8	2 3/4	10 1/2	46134	294.35	46434	311.90	1.0031-1.0660	362.15	337.15	328.65	324.60	320.30	317.00
1.1250	1 1/8	.8745	8	2 7/8	11	46136	304.55	46436	313.30	1.0661-1.1280	363.55	338.30	329.80	325.85	321.60	318.15
1.1875	1 3/16	.9995	8	2 7/8	11	46138	326.20	46438	326.20	1.1281-1.1905	376.45	351.20	342.75	338.85	334.60	331.20
1.2500	1 1/4	.9995	8	3	11 1/2	46140	330.40	46440	330.40	1.1906-1.2530	380.80	355.55	347.10	343.15	338.85	335.50
1.3125	1 5/16	.9995	8	3	11 1/2	46142	339.95	46442	339.95	1.2531-1.3155	390.25	365.00	356.60	352.50	348.25	344.90
1.3750	1 3/8	.9995	8	3 1/4	12	46144	353.75	46444	353.75	1.3156-1.3780	404.00	378.70	370.40	366.40	362.05	358.55
1.4375	1 7/16	.9995	8	3 1/4	12	46146	364.70	46446	364.70	1.3781-1.4405	415.10	389.80	381.50	377.50	373.10	369.80
1.5000	1 1/2	1.2495	8	3 1/2	12 1/2	46148	376.95	46448	376.95	1.4406-1.5030	427.25	402.10	393.70	389.65	385.35	381.95
1.5625	1 5/8	1.2495	8	3 1/2	12 1/2	46150	401.35	46450	423.80	1.5031-1.5660	471.75	447.75	439.70	435.95	431.70	428.60
1.6250	1 5/8	1.2495	8	3 1/2	13	46152	439.50	46452	466.00	1.5661-1.6280	513.90	490.00	481.85	478.10	473.90	470.80
1.6875	1 11/16	1.2495	8	3 1/2	13	46154	448.70	46454	474.10	1.6281-1.6910	522.00	498.05	490.00	486.20	481.95	478.90
1.7500	1 3/4	1.2495	10	3 1/2	13 1/2	46156	491.45	46456	518.10	1.6911-1.7530	566.00	542.00	533.90	530.20	526.10	522.80
1.8125	1 13/16	1.4995	10	3 1/2	13 1/2	46158	511.45	46458	539.50	1.7531-1.8160	587.35	563.45	555.35	551.50	547.40	544.25
1.8750	1 7/8	1.4995	10	3 1/2	14	46160	540.00	46460	568.00	1.8161-1.8780	615.95	591.90	583.90	580.15	575.90	572.75
1.9375	1 15/16	1.4995	10	3 1/2	14	46162	572.50	46462	604.30	1.8781-1.9410	652.15	628.25	620.10	616.30	612.15	609.05
2.0000	2	1.4995	12	3 1/2	14	46164	594.50	46464	626.20	1.9411-2.0030	674.10	650.15	642.10	638.35	634.05	631.00

*Quantities of 15 or more: price of fractional size in same size range.



SUPER TOOL, INC. - Phone 800-237-1395 - Fax 941-756-6480

Made in the USA

Tolerances on page 42.

COOLANT FED REAMERS

CARBIDE TIPPED

List No. 5682 - Straight Shank - Right Hand Spiral Flutes - Full Flute Length Carbide - Center Fed

Use: Center fed coolant reamers are for blind holes so the chips will be forced out through the top of the hole. Hardened alloy steel bodies with brazed on carbide tips.



List No. 5683 - Straight Shank - Left Hand Spiral Flutes - Full Flute Length Carbide - Flute Fed

Use: Flute fed coolant reamers are for through holes so the chips will be forced out through the bottom of the hole. Hardened alloy steel bodies with brazed on carbide tips.



TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 5682 CENTER FED EDP NO.	PRICE EACH	LIST 5683 FLUTE FED EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DEC.	FRAC.			FLT.	OVER-ALL						1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14**
*.2500	1/4	.2405	4	1 1/2	6	49108	\$159.15	49408	\$197.15	.2381 - .2530	\$245.55	\$221.25	\$213.20	\$209.20	\$205.15	\$201.85
*.2812	9/32	.2485	4	1 1/2	6	49109	162.75	49409	209.05	.2531 - .2840	257.40	233.30	225.20	221.25	217.20	213.85
.3125	5/16	.2792	4	1 1/2	6	49110	178.40	49410	220.90	.2841 - .3150	269.25	244.90	236.95	233.05	228.85	225.60
.3438	11/32	.2792	4	1 1/2	6	49111	179.70	49411	222.60	.3151 - .3470	270.85	246.65	238.60	234.75	230.60	227.20
.3750	3/8	.3105	4	1 3/4	7	49112	181.60	49412	224.75	.3471 - .3780	273.30	249.00	240.90	237.00	232.80	229.70
.4062	13/32	.3105	4	1 3/4	7	49113	182.05	49413	225.70	.3781 - .4090	274.15	249.95	241.80	237.95	233.65	230.55
.4375	7/16	.3730	6	1 3/4	7	49114	183.95	49414	227.80	.4091 - .4410	276.30	252.00	243.90	240.10	235.95	232.60
.4688	15/32	.3730	6	1 3/4	7	49115	185.55	49415	229.85	.4411 - .4720	278.20	254.10	245.95	242.10	237.95	234.60
.5000	1/2	.4355	6	2	8	49116	192.85	49416	232.80	.4721 - .5030	281.35	257.00	248.90	244.90	240.90	237.65
.5312	17/32	.4355	6	2	8	49117	199.80	49417	237.70	.5031 - .5340	286.10	261.80	253.70	249.95	245.70	242.45
.5625	9/16	.4355	6	2	8	49118	199.80	49418	241.10	.5341 - .5660	289.55	265.30	257.15	253.40	249.15	245.95
.5938	19/32	.4355	6	2	8	49119	207.70	49419	246.15	.5661 - .5970	294.50	270.40	262.25	258.40	254.25	250.95
.6250	5/8	.5615	6	2 1/4	9	49120	207.70	49420	250.75	.5971 - .6280	299.15	274.95	266.75	262.95	258.75	255.50
.6562	21/32	.5615	6	2 1/4	9	49121	234.75	49421	277.70	.6281 - .6590	326.15	301.85	293.75	289.90	285.75	282.40
.6875	11/16	.5615	6	2 1/4	9	49122	234.75	49422	283.30	.6591 - .6910	331.80	307.55	299.30	295.55	291.40	288.15
.7188	23/32	.5615	6	2 1/4	9	49123	244.85	49423	289.40	.6911 - .7220	337.75	313.50	305.35	301.50	297.35	294.05
.7500	3/4	.6245	6	2 1/2	9 1/2	49124	230.05	49424	295.55	.7221 - .7530	343.90	319.75	311.45	307.75	303.55	300.30
.7812	25/32	.6245	6	2 1/2	9 1/2	49125	263.95	49425	300.60	.7531 - .7840	348.90	324.80	316.50	312.75	308.50	305.30
.8125	13/16	.6245	6	2 1/2	9 1/2	49126	267.15	49426	304.20	.7841 - .8160	352.50	328.40	320.25	316.35	312.25	308.90
.8438	27/32	.6245	6	2 1/2	9 1/2	49127	272.10	49427	309.70	.8161 - .8470	358.30	334.00	325.80	321.95	317.75	314.60
.8750	7/8	.7495	6	2 5/8	10	49128	286.85	49428	326.60	.8471 - .8780	376.85	351.70	343.25	339.25	334.85	331.40
.9062	29/32	.7495	6	2 5/8	10	49129	303.90	49429	345.80	.8781 - .9090	396.05	370.80	362.45	358.45	354.20	350.80
.9375	15/16	.7495	8	2 5/8	10	49130	318.50	49430	362.70	.9091 - .9410	412.85	387.80	379.30	375.30	370.90	367.60
.9688	31/32	.7495	8	2 5/8	10	49131	319.40	49431	363.65	.9411 - .9720	413.80	388.70	380.20	376.20	371.85	368.50
1.0000	1	.8745	8	2 3/4	10 1/2	49132	319.90	49432	364.15	.9721 - 1.0030	414.35	389.20	380.80	376.75	372.35	368.95
1.0625	1 1/16	.8745	8	2 3/4	10 1/2	49133	328.75	49433	384.95	1.0031 - 1.0660	435.15	410.00	401.55	397.55	393.25	389.80
1.1250	1 1/8	.8745	8	2 7/8	11	49134	340.15	49434	386.60	1.0661 - 1.1280	436.85	411.60	403.25	399.20	394.95	391.50
1.1875	1 3/16	.9995	8	2 7/8	11	49135	364.45	49435	402.65	1.1281 - 1.1905	452.65	427.50	419.15	415.15	410.90	407.45
1.2500	1 1/4	.9995	8	3	11 1/2	49136	369.10	49436	407.85	1.1906 - 1.2530	458.10	432.90	424.55	420.50	416.15	412.75
1.3125	1 5/16	.9995	8	3	11 1/2	49137	379.85	49437	419.65	1.2531 - 1.3155	469.85	444.70	436.15	432.20	427.95	424.55
1.3750	1 3/8	.9995	8	3 1/4	12	49138	395.30	49438	436.40	1.3156 - 1.3780	486.85	461.65	453.10	449.20	444.90	441.45
1.4375	1 7/16	.9995	8	3 1/4	12	49139	407.55	49439	450.10	1.3781 - 1.4405	500.45	475.25	466.85	462.85	458.60	455.15
1.5000	1 1/2	1.2495	8	3 1/2	12 1/2	49140	421.35	49440	465.30	1.4406 - 1.5030	515.45	490.45	481.90	477.90	473.60	470.20

*1/2" carbide length.

**Quantities of 15 or more; price of fractional size in same size range.

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73

SOLID CARBIDE HEAD REAMERS

SOLID CARBIDE HEAD

List No. 6800 - Straight Steel Shank - Straight Flutes - For Cast Iron & Steel

Solid carbide head brazed to hardened alloy steel shank on tool diameters .1911" and larger. Tool geometry appropriate for material being machined. Diameters 3/64" and below provided with male centers.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

For closer tool diameter tolerance pricing see page 42.

TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		LIST 6800 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRAC.			FLUTE	OVERALL				1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14**
* -	-	.0800	4	3/4	3	680099	-	.0811 - .0890	\$105.10	\$77.70	\$68.20	\$64.00	\$59.15	\$55.60
*.0938	3/32	.0880	4	3/4	3	680006	\$50.20	.0891 - .0970	105.10	77.70	68.20	64.00	59.15	55.60
*.1094	7/64	.0943	4	7/8	3 1/2	680007	50.20	.0971 - .1120	105.10	77.70	68.20	64.00	59.15	55.60
*.1250	1/8	.1099	4	7/8	3 1/2	680008	50.20	.1121 - .1280	105.10	77.70	68.20	64.00	59.15	55.60
*.1406	9/64	.1255	4	7/8	3 1/2	680009	57.40	.1281 - .1435	112.30	84.80	75.50	71.15	66.50	62.70
*.1562	5/32	.1411	4	1	4	680010	59.05	.1436 - .1590	113.90	86.45	77.10	72.85	68.05	64.55
*.1719	11/64	.1567	4	1	4	680011	66.55	.1591 - .1750	121.30	94.00	84.80	80.35	75.65	72.00
*.1875	3/16	.1724	4	1 1/8	4 1/2	680012	68.00	.1751 - .1910	122.90	95.40	86.05	81.80	77.05	73.50
.2031	13/64	.1880	6	1 1/4	5	680013	72.40	-	-	-	-	-	-	-
.2188	7/32	.1880	6	1 1/4	5	680014	72.40	.1911 - .2210	127.30	99.90	90.70	86.20	81.55	77.95
.2344	15/64	.2193	6	1 1/2	6	680015	77.05	-	-	-	-	-	-	-
.2500	1/4	.2193	6	1 1/2	6	680016	77.05	.2211 - .2530	131.95	104.40	95.30	90.95	86.05	82.50
.2656	17/64	.2505	6	1 1/2	6	680017	82.85	-	-	-	-	-	-	-
.2812	9/32	.2505	6	1 1/2	6	680018	82.85	.2531 - .2840	137.65	110.30	101.05	96.70	92.05	88.30
.2969	19/64	.2817	6	1 5/8	6	680019	86.20	-	-	-	-	-	-	-
.3125	5/16	.2817	6	1 5/8	6	680020	86.20	.2841 - .3150	141.05	113.65	104.40	100.10	95.40	91.60
.3281	21/64	.3130	6	1 5/8	6	680021	92.35	-	-	-	-	-	-	-
.3438	11/32	.3130	6	1 5/8	6	680022	92.35	.3151 - .3470	147.10	119.65	110.35	105.95	101.35	97.75
.3594	23/64	.3443	6	1 3/4	7	680023	99.30	-	-	-	-	-	-	-
.3750	3/8	.3443	6	1 3/4	7	680024	99.30	.3471 - .3780	154.00	126.55	117.35	113.10	108.35	104.70
.3906	25/64	.3755	6	1 3/4	7	680025	113.40	-	-	-	-	-	-	-
.4062	13/32	.3755	6	1 3/4	7	680026	113.40	.3781 - .4090	168.25	140.75	131.70	127.25	122.50	118.80
.4219	27/64	.4067	6	1 3/4	7	680027	120.55	-	-	-	-	-	-	-
.4375	7/16	.4067	6	1 3/4	7	680028	120.55	.4091 - .4410	175.25	147.70	138.65	134.35	129.55	125.75
.4531	29/64	.4380	6	1 3/4	8	680029	127.75	-	-	-	-	-	-	-
.4688	15/32	.4380	6	1 3/4	8	680030	127.75	.4411 - .4720	182.60	155.05	145.90	141.60	136.90	133.10
.4844	31/64	.4693	6	1 3/4	8	680031	137.10	-	-	-	-	-	-	-
.5000	1/2	.4693	6	1 3/4	8	680032	137.10	.4721 - .5030	192.05	164.50	155.20	150.90	146.15	142.55
.5156	33/64	.5005	6	1 7/8	9	680033	176.90	-	-	-	-	-	-	-
.5312	17/32	.5005	6	1 7/8	9	680034	176.90	.5031 - .5340	231.65	204.20	195.10	190.70	185.95	182.20
.5469	35/64	.5005	6	1 7/8	9	680035	208.80	-	-	-	-	-	-	-
.5625	9/16	.5005	6	1 7/8	9	680036	205.00	.5341 - .5660	258.85	231.70	222.70	218.50	213.85	210.30
.5781	37/64	.5630	6	1 7/8	9	680037	232.60	-	-	-	-	-	-	-
.5938	19/32	.5630	6	1 7/8	9	680038	232.60	.5661 - .5970	286.50	259.50	250.45	246.10	241.55	237.90
.6094	39/64	.5630	6	1 7/8	9	680039	235.25	-	-	-	-	-	-	-
.6250	5/8	.5630	6	1 7/8	9	680040	235.25	.5971 - .6280	289.00	261.95	253.20	248.80	244.25	240.50
.6562	21/32	.6255	6	2	9 1/2	680042	340.30	.6281 - .6590	391.50	365.90	357.30	353.20	349.30	345.30
.6875	11/16	.6255	6	2	9 1/2	680044	340.30	.6591 - .6910	391.50	365.90	357.30	353.20	349.30	345.30
.7188	23/32	.6880	6	2	9 1/2	680046	383.00	.6911 - .7220	434.15	408.40	399.95	395.80	392.00	387.95
.7500	3/4	.6880	6	2	9 1/2	680048	383.00	.7221 - .7530	434.15	408.40	399.95	395.80	392.00	387.95
.7812	25/32	.7505	8	2	10	680050	425.15	.7531 - .7840	476.30	450.60	442.10	438.00	434.05	430.00
.8125	13/16	.7817	8	2	10	680052	463.85	.7841 - .8160	515.05	489.30	480.85	476.75	472.85	468.85
.8438	27/32	.8130	8	2	10	680054	489.20	.8161 - .8470	540.35	514.70	506.15	502.10	498.10	494.15
.8750	7/8	.8440	8	2	10	680056	478.90	.8471 - .8780	530.10	504.40	495.90	491.80	487.85	483.85
.9062	29/32	.8755	8	2	10	680058	560.40	.8781 - .9090	611.60	585.85	577.40	573.30	569.35	565.40
.9375	15/16	.9067	8	2	10	680060	589.10	.9091 - .9410	640.20	614.60	606.00	601.90	598.00	594.00
.9688	31/32	.9380	8	2	10	680062	617.05	.9411 - .9720	668.20	642.55	634.00	629.95	626.00	621.95
1.0000	1	.9693	8	2	10	680064	640.25	.9721 - 1.0030	691.50	665.80	657.25	653.15	649.30	645.30

*Solid carbide head and shank (.0811" - .1910" tool diameters).

**Quantities of 15 or more; price of fractional size in same size range.



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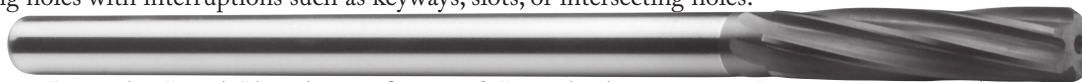
Made in the USA

SOLID CARBIDE HEAD REAMERS

SOLID CARBIDE HEAD

List No. 6810 - Straight Steel Shank - Right Hand Spiral Flutes - For Cast Iron & Steel

Use: For blind holes. Solid carbide brazed to hardened alloy steel shank on tool diameters of .1911" and larger. Tool geometry appropriate for material being machined. Ground with spiral flutes for reaming holes with interruptions such as keyways, slots, or intersecting holes.



List No. 6820 - Straight Steel Shank - Left Hand Spiral Flutes - For Cast Iron & Steel

Use: For through holes. Same as List No. 6810 except with left hand spiral flutes. Left spiral flutes should not be used on blind holes.



Tool diameter tolerance thru .2500": +.0002"/-.0000".
over .2500": +.0003"/-.0000".

Shank diameter tolerance: +.0000"/-.0010".

For closer tool diameter tolerance pricing see page 42.

TOOL DIAMETER		MAX. SHANK DIAM.	NO. OF FLTS.	LENGTH		RIGHT SPIRAL LIST 6810 EDP NO.	LEFT SPIRAL LIST 6820 EDP NO.	PRICE EACH	DECIMAL SIZE RANGE	PRICE EACH - FINISHED TO DECIMAL SIZE					
DECIMAL	FRACTION			FLUTE	OVERALL					1 PC.	2 PC.	3 PC.	4 PC.	5-7	8-14**
*.1250	1/8	.1099	4	7/8	3 1/2	681008	682008	\$51.25	.1121 - .1280	\$97.25	\$74.30	\$66.40	\$62.80	\$58.80	\$55.80
*.1406	9/64	.1255	4	7/8	3 1/2	681009	682009	58.50	.1281 - .1435	104.50	81.50	73.75	70.15	66.25	63.10
*.1562	5/32	.1411	4	1	4	681010	682010	60.50	.1436 - .1590	106.40	83.30	75.55	71.95	67.90	64.85
*.1719	11/64	.1567	4	1	4	681011	682011	74.75	.1591 - .1750	125.50	100.15	91.55	87.60	83.30	80.00
*.1875	3/16	.1724	4	1 1/8	4 1/2	681012	682012	76.40	.1751 - .1910	126.90	101.70	93.10	89.15	84.85	81.35
.2031	13/64	.1880	6	1 1/4	5	681013	682013	81.35	-	-	-	-	-	-	-
.2188	7/32	.1880	6	1 1/4	5	681014	682014	88.30	.1911 - .2210	143.15	115.70	106.55	102.25	97.30	93.70
.2344	15/64	.2193	6	1 1/2	6	681015	682015	94.10	-	-	-	-	-	-	-
.2500	1/4	.2193	6	1 1/2	6	681016	682016	94.10	.2211 - .2530	148.90	121.30	112.30	107.75	103.00	99.35
.2656	17/64	.2505	6	1 1/2	6	681017	682017	101.05	-	-	-	-	-	-	-
.2812	9/32	.2505	6	1 1/2	6	681018	682018	101.05	.2531 - .2840	155.90	128.50	119.15	114.85	110.10	106.55
.2969	19/64	.2817	6	1 5/8	6	681019	682019	105.35	-	-	-	-	-	-	-
.3125	5/16	.2817	6	1 5/8	6	681020	682020	105.35	.2841 - .3150	160.10	132.65	123.50	119.05	114.30	110.65
.3281	21/64	.3130	6	1 5/8	6	681021	682021	112.45	-	-	-	-	-	-	-
.3438	11/32	.3130	6	1 5/8	6	681022	682022	112.45	.3151 - .3470	167.20	139.90	130.55	126.20	121.45	117.90
.3594	23/64	.3443	6	1 3/4	7	681023	682023	121.15	-	-	-	-	-	-	-
.3750	3/8	.3443	6	1 3/4	7	681024	682024	121.15	.3471 - .3780	175.75	148.25	139.20	134.95	130.15	126.30
.3906	25/64	.3755	6	1 3/4	7	681025	682025	138.40	-	-	-	-	-	-	-
.4062	13/32	.3755	6	1 3/4	7	681026	682026	138.40	.3781 - .4090	193.15	165.60	156.50	152.05	147.50	143.65
.4219	27/64	.4067	6	1 3/4	7	681027	682027	146.80	-	-	-	-	-	-	-
.4375	7/16	.4067	6	1 3/4	7	681028	682028	146.80	.4091 - .4410	201.60	174.05	165.00	160.60	155.90	152.15
.4531	29/64	.4380	6	1 3/4	8	681029	682029	155.80	-	-	-	-	-	-	-
.4688	15/32	.4380	6	1 3/4	8	681030	682030	155.80	.4411 - .4720	210.55	183.10	173.95	169.55	164.95	161.15
.4844	31/64	.4693	6	1 3/4	8	681031	682031	167.10	-	-	-	-	-	-	-
.5000	1/2	.4693	6	1 3/4	8	681032	682032	167.10	.4721 - .5030	221.95	194.50	185.35	180.90	176.35	172.55
.5156	33/64	.5005	6	1 7/8	9	681033	682033	198.65	-	-	-	-	-	-	-
.5312	17/32	.5005	6	1 7/8	9	681034	682034	195.00	.5031 - .5340	244.75	219.80	211.45	207.50	203.30	200.05
.5469	35/64	.5005	6	1 7/8	9	681035	682035	230.35	-	-	-	-	-	-	-
.5625	9/16	.5005	6	1 7/8	9	681036	682036	230.35	.5341 - .5660	280.10	255.10	246.80	242.80	238.50	235.15
.5781	37/64	.5630	6	1 7/8	9	681037	682037	261.35	-	-	-	-	-	-	-
.5938	19/32	.5630	6	1 7/8	9	681038	682038	261.35	.5661 - .5970	310.90	286.15	277.85	273.85	269.60	266.30
.6094	39/64	.5630	6	1 7/8	9	681039	682039	264.35	-	-	-	-	-	-	-
.6250	5/8	.5630	6	1 7/8	9	681040	682040	264.35	.5971 - .6280	314.10	289.25	280.80	276.90	272.65	269.20
.6562	21/32	.6255	6	2	9 1/2	681042	682042	382.80	.6281 - .6590	440.40	411.50	401.90	397.20	392.90	388.30
.6875	11/16	.6255	6	2	9 1/2	681044	682044	382.80	.6591 - .6910	440.40	411.50	401.90	397.20	392.90	388.30
.7188	23/32	.6880	6	2	9 1/2	681046	682046	430.70	.6911 - .7220	488.35	459.25	449.70	445.20	440.70	436.15
.7500	3/4	.6880	6	2	9 1/2	681048	682048	430.70	.7221 - .7530	488.35	459.25	449.70	445.20	440.70	436.15
.7812	25/32	.7505	8	2	10	681050	682050	478.10	.7531 - .7840	535.60	506.75	497.10	492.50	488.00	483.60
.8125	13/16	.7817	8	2	10	681052	682052	521.60	.7841 - .8160	579.20	550.25	540.70	536.05	531.60	527.10
.8438	27/32	.8130	8	2	10	681054	682054	550.00	.8161 - .8470	607.60	578.80	569.15	564.60	560.15	555.60
.8750	7/8	.8440	8	2	10	681056	682056	538.55	.8471 - .8780	596.15	567.30	557.65	553.00	548.65	544.15
.9062	29/32	.8755	8	2	10	681058	682058	630.25	.8781 - .9090	687.80	659.00	649.25	644.65	640.20	635.75
.9375	15/16	.9067	8	2	10	681060	682060	662.40	.9091 - .9410	719.95	691.10	681.50	676.85	672.40	668.00
.9688	31/32	.9380	8	2	10	681062	682062	693.85	.9411 - .9720	751.40	722.50	713.00	708.30	703.90	699.50
1.0000	1	.9693	8	2	10	681064	682064	720.00	.9721 - 1.0030	777.60	748.70	739.20	734.65	730.10	725.70

**Quantities of 15 or more: price of fractional size in same size range.

*Solid carbide head and shank (.1121" - .1910" tool diameters).

SINGLE POINT TOOLS

CARBIDE TIPPED

List No. 4110 - Style AR - 0° Side Angle

Use: For machining to a square shoulder.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
AR-4	70102	\$13.50	70103	\$9.85	¼	¼	2	12
AR-5	70108	11.95	70109	10.50	⅝ ₁₆	⅝ ₁₆	2 ¼	12
AR-6	70114	12.15	70115	10.70	⅜	⅜	2 ½	12
AR-8	70126	11.20	70127	11.20	½	½	3 ½	12
AR-10	70132	16.70	70133	15.45	⅝	⅝	4	12
AR-12	70138	21.40	70139	19.15	¾	¾	4 ½	12
AR-16	70144	39.25	70145	38.25	1	1	7	6

List No. 4110 - Style AL - 0° Side Angle

Use: For machining to a square shoulder.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
AL-4	70202	\$13.50	70203	\$9.85	¼	¼	2	12
AL-5	70208	11.95	70209	10.50	⅝ ₁₆	⅝ ₁₆	2 ¼	12
AL-6	70214	12.15	70215	10.70	⅜	⅜	2 ½	12
AL-8	70226	11.20	70227	11.20	½	½	3 ½	12
AL-10	70232	15.75	70233	15.45	⅝	⅝	4	12
AL-12	70238	20.40	70239	20.20	¾	¾	4 ½	12
AL-16	70244	39.80	70245	39.80	1	1	7	6

List No. 4120 - Style BR - 15° Side Angle

Use: For rough turning.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
BR-4	70302	\$13.50	70303	\$9.85	¼	¼	2	12
BR-5	70308	11.95	70309	10.50	⅝ ₁₆	⅝ ₁₆	2 ¼	12
BR-6	70314	12.15	70315	10.70	⅜	⅜	2 ½	12
BR-7	70320	13.15	70321	11.65	⅞ ₁₆	⅞ ₁₆	3	12
BR-8	70326	11.20	70327	11.20	½	½	3 ½	12
BR-10	70332	16.70	70333	15.45	⅝	⅝	4	12
BR-12	70338	21.40	70339	19.15	¾	¾	4 ½	12
BR-16	70344	39.25	70345	38.25	1	1	7	6

List No. 4120 - Style BL - 15° Side Angle

Use: For rough turning.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
BL-4	70402	\$13.50	70403	\$9.85	¼	¼	2	12
BL-5	70408	11.95	70409	10.50	⅝ ₁₆	⅝ ₁₆	2 ¼	12
BL-6	70414	12.15	70415	10.70	⅜	⅜	2 ½	12
BL-7	70420	13.15	70421	11.65	⅞ ₁₆	⅞ ₁₆	3	12
BL-8	70426	11.20	70427	11.20	½	½	3 ½	12
BL-10	70432	15.75	70433	15.45	⅝	⅝	4	12
BL-12	70438	20.40	70439	20.20	¾	¾	4 ½	12
BL-16	70444	39.80	70445	39.80	1	1	7	6

List No. 4130 - Style C - 0° Side Nose

Use: No nose radius.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
C-4	70502	\$8.90	70503	\$8.90	¼	¼	2	12
C-5	70508	9.80	70509	9.45	⅝ ₁₆	⅝ ₁₆	2 ¼	12
C-6	70514	12.70	70515	10.50	⅜	⅜	2 ½	12
C-7	70520	9.70	70521	13.40	⅞ ₁₆	⅞ ₁₆	3	12
C-8	70526	15.60	70527	14.45	½	½	3 ½	12
C-10	70532	17.55	70533	19.15	⅝	⅝	4	12
C-12	70538	24.25	70539	27.50	¾	¾	4 ½	12
C-16	70544	50.30	70545	48.30	1	1	7	6

List No. 4140 - Style D - 40° Side Angle

Use: 80° pointed nose.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
D-4	70602	\$8.25	70603	\$8.25	¼	¼	2	12
D-5	70608	9.60	70609	9.85	⅝ ₁₆	⅝ ₁₆	2 ¼	12
D-6	70614	9.80	70615	10.55	⅜	⅜	2 ½	12
D-7	70620	13.40	-	-	⅞ ₁₆	⅞ ₁₆	3	12
D-8	70626	12.85	70627	13.65	½	½	3 ½	12
D-10	70632	18.00	70633	20.00	⅝	⅝	4	12
D-12	70638	25.80	70639	22.65	¾	¾	4 ½	12
D-16	70644	38.30	70645	39.60	1	1	7	6



SUPER TOOL, INC. – Phone 800-237-1395 – Fax 941-756-6480

Made in the USA

*Some sizes not available in premium grade carbide. Prices subject to change.

SINGLE POINT TOOLS

CARBIDE TIPPED

List No. 4150 - Style E - 60° Included

Use: For threading, chamfering, notching or undercutting.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
E-4	70701	\$8.25	70702	\$8.25	¼	¼	2	12
E-5	70705	9.05	70706	9.05	⅝	⅝	2 ¼	12
E-6	70709	9.40	70710	9.15	⅜	⅜	2 ½	12
E-7	70711	14.55	70712	17.45	⅞	⅞	3	12
E-8	70713	21.55	70714	11.60	½	½	3 ½	12
E-10	70717	17.90	70718	16.25	⅝	⅝	4	12
E-12	70721	22.25	70722	22.50	¾	¾	4 ½	12
E-16	70723	39.00	70724	37.50	1	1	7	6

List No. 4160 - Style EL - Offset 30°

Use: For threading or boring to a shoulder.



TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
EL-4	70855	\$11.85	70856	\$8.25	¼	¼	2	12
EL-5	70865	11.85	70866	11.35	⅝	⅝	2 ¼	12
EL-6	70857	11.85	70858	11.50	⅜	⅜	2 ½	12
EL-8	70860	18.45	70861	20.25	½	½	3 ½	12
EL-10	70863	20.10	70864	22.15	⅝	⅝	4	12
EL-12	70867	21.75	70868	23.60	¾	¾	4 ½	12

List No. 4160 - Style ER - Offset 30°

Use: For threading or boring to a shoulder.

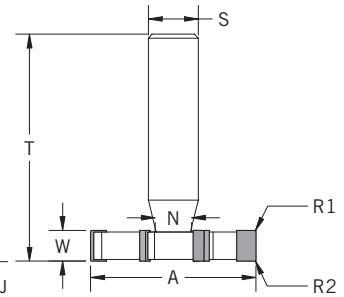
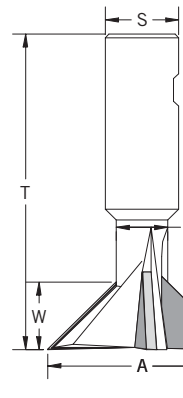
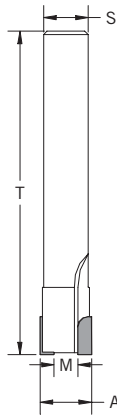
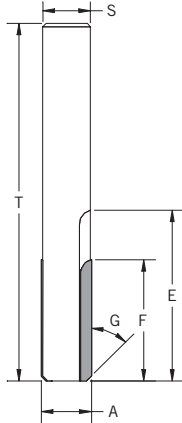
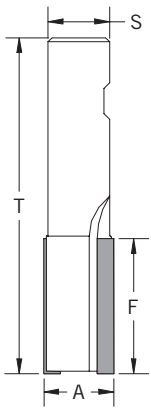


TOOL TYPE & SIZE NO.	883 / PREMIUM C2*		370 / PREMIUM C5-C6*		SHANK DIMENSION			STD. PKG. QTY.
	EDP NO.	PRICE EACH	EDP NO.	PRICE EACH	W	H	L	
ER-4	70801	\$10.30	70802	\$8.25	¼	¼	2	12
ER-5	70804	10.30	70805	9.20	⅝	⅝	2 ¼	12
ER-6	70807	10.45	70808	9.45	⅜	⅜	2 ½	12
ER-8	70810	18.45	70811	18.45	½	½	3 ½	12
ER-10	70813	20.10	70814	20.10	⅝	⅝	4	12
ER-12	70815	21.75	70816	23.60	¾	¾	4 ½	12

SPECIALS WORKSHEET

SPECIFY CARBIDE TIPPED, SOLID CARBIDE, OR HIGH SPEED STEEL

EMAIL TO:sales@supertoolinc.com



☐ END MILL

☐ REAMER

☐ COUNTERBORE

☐ DOVETAIL

☐ KEYSEAT

☐ Carbide Tipped ☐ Solid Carbide ☐ High Speed Steel

BODY OF TOOL

T= _____ Overall Length

S= _____ Shank Diameter

A= _____ Major Diameter

FLUTES

E= _____ Flute Length

F= _____ Carbide Length

G= _____ ° Chamfer Angle

☐ Straight Flutes

☐ Right Hand Cutting

☐ Left Hand Cutting

Number of Flutes _____

☐ Right Hand Spiral _____ °

☐ Left Hand Spiral _____ °

IF PILOTED Head Diam. _____

Head Length _____

M= Min. Cutting Diam. _____

IF STEP REAMER Minor Diam. _____

Step Length _____

Step Angle _____ °

IF KEYSEAT W= _____ Width

☐ Straight Tooth

R1= _____ Radius/Chamfer

N= _____ Neck Diameter

☐ Staggered Tooth

R2= _____ Radius/Chamfer

IF DOVETAIL

N= _____ Neck Diam.

J= _____ ° Angle

R= _____ Radius

W= _____ Width

☐ Carbide Tipped ☐ Solid Carbide ☐ High Speed Steel

MILLING CUTTERS & SAWS

D= _____ Cutter Diameter

W= _____ Cutter Width

A= _____ Arbor Hole Diam.

N= _____ # of Teeth

H= _____ Hub Diameter

K= _____ Keyway Size

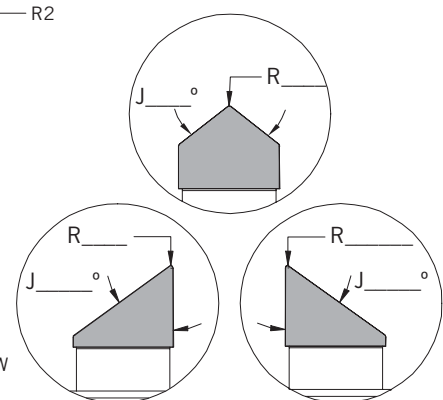
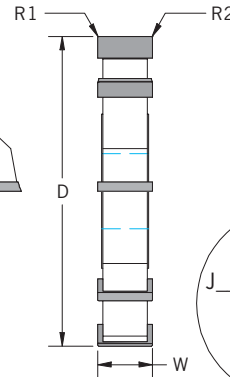
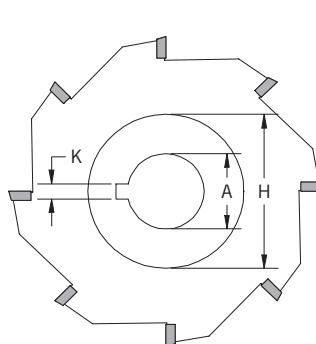
R1= _____ Radius/Chamfer

R2= _____ Radius/Chamfer

☐ Straight Tooth

☐ Straight Stagger

☐ Herringbone Stagger



☐ MILLING CUTTER

☐ SLITTING SAW

☐ ANGLE CUTTER
(Fill in "J" & "R")

SUPER TOOL WILL MANUFACTURE YOUR SPECIAL TOOLS QUICKLY AND COMPETITIVELY.

Name _____ Phone _____

Company _____ Fax or Email _____

Full Address _____ Tipped, Solid or HSS? _____

Material Being Cut _____ HOW MANY? _____



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Made in the USA

NOTE: Standard tool tolerances as stated in this catalog will be applied unless another tolerance is specified.

SUPER TOOL RETIPPING & RESHARPENING SERVICES

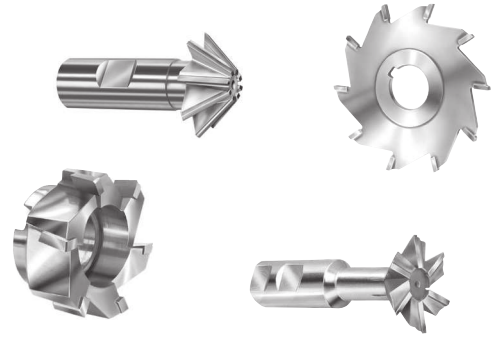
Retipping Service - Standard Tools

Super Tool will retip and resharpen carbide tipped tools made by Super Tool or equivalent tools from other manufactures. Tools that are eligible for retipping are listed in the table below.

2-5 Pieces List Price Less 30%

6-11 Pieces List Price Less 35%

12 or More Pieces List Price Less 40%



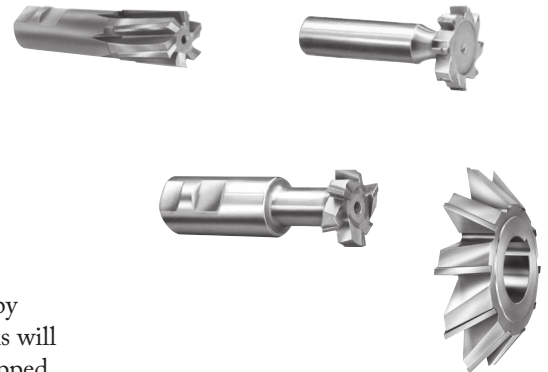
Resharpener Service - Standard Tools

Super Tool will resharpen carbide tipped tools made by Super Tool or equivalent tools from other manufactures. Tools that are eligible for resharpening are listed in the table below.

Shank Tools List Price Less 60%

Arbor Hole Tools List Price Less 45%

5 Piece Minimum on resharpening



Special Tool Retipping and Resharpener Service

Super Tool will resharpen or retip special carbide tipped tools made by Super Tool or special tools made by other manufactures. Special tools will need to be quoted. Pricing is quantity based. Send special carbide tipped cutting tools to Super Tool for a quote.

All tools need to be inspected by Super Tool to determine if they are eligible to be retipped or resharpened. Pricing will be based on the number of tools eligible after inspection.

LIST NO.	ELEGIBLE CARBIDE TIPPED CUTTING TOOLS
9704	High Performance Keyseat Cutters for Aluminum
9700	Straight Tooth Keyseat Cutters for Non-Ferrous & Cast Iron
9800	Staggered Tooth Keyseat Cutters for Non-Ferrous & Cast Iron
9710	Straight Tooth Keyseat Cutters for Steel
9810	Staggered Tooth Keyseat Cutters for Steel
9730	45° Chamfer Milling Cutters for Non-Ferrous & Cast Iron
9731	45° Chamfer Milling Cutters for Steel
9732	60° Chamfer Milling Cutters for Non-Ferrous & Cast Iron
9733	60° Chamfer Milling Cutters for Steel
9746	60° Double Angle Cutters for Non-Ferrous & Cast Iron (Shank)
9747	60° Double Angle Cutters for Steel (Shank)
9748	90° Double Angle Cutters for Non-Ferrous & Cast Iron (Shank)
9749	90° Double Angle Cutters for Steel (Shank)
9718	Radius Cutters for Non-Ferrous & Cast Iron
9719	Radius Cutters for Steel
9720	T-Slot Cutters for Non-Ferrous & Cast Iron
9721	T-Slot Cutters for Steel
9752	45° Dovetail Cutters for Non-Ferrous & Cast Iron
9753	45° Dovetail Cutters for Steel
9750	60° Dovetail Cutters for Non-Ferrous & Cast Iron
9751	60° Dovetail Cutters for Steel
5846	Slitting Saws Coarse Tooth for Non-Ferrous
5847	Slitting Saws Coarse Tooth for Cast Iron
5848	Slitting Saws Coarse Tooth for Steel
5850	Slitting Saws Coarse Tooth for Stainless
5866	Slitting Saws Standard Tooth for Non-Ferrous

LIST NO.	ELEGIBLE CARBIDE TIPPED CUTTING TOOLS
5867	Slitting Saws Standard Tooth for Cast Iron
5868	Slitting Saws Standard Tooth for Steel
5870	Slitting Saws Standard Tooth for Stainless
5861	Side Milling Cutters for Non-Ferrous
5862	Side Milling Cutters for Cast Iron
5863	Side Milling Cutters for Steel
5849	Side Milling Cutters for Stainless
9714	45° Right Single Angle Cutters (Arbor Hole Type)
9716	45° Left Single Angle Cutters (Arbor Hole Type)
9724	60° Right Single Angle Cutters (Arbor Hole Type)
9726	60° Left Single Angle Cutters (Arbor Hole Type)
9740	45° Double Angle Cutters (Arbor Hole Type)
9742	60° Double Angle Cutters (Arbor Hole Type)
9744	90° Double Angle Cutters (Arbor Hole Type)
5858	Shell Mills for Non-Ferrous
5859	Shell Mills for Cast Iron
5860	Shell Mills for Steel
9756	Corner Rounding End Mills for Non-Ferrous
9757	Corner Rounding End Mills for Steel
5965	End Mills for Steel 6° Right Spiral Flutes
5960	End Mills for Steel 15° Right Spiral Flutes
5923	End Mills for NF & Cast Iron 2 Straight Flutes Radial Edged
5925	End Mills for NF & Cast Iron 4/6 Straight Flutes Radial Edged
5921	End Mills for NF & Cast Iron 6° Right Spiral Flutes Radial Edged
5962	End Mills for NF & Cast Iron 15° Right Spiral Flutes Radial Edged

2025

Quality Cutting Tools

Keyseats • Counterbores • End Mills • Drills • Reamers

Carbide Tipped

**Milling Cutters •
Counterbores
Angle Cutters
Single Points
Slitting Saws
Core Drills
Dovetails
End Mills
Keyseats
Reamers
T-Slots
Drills**

Solid Carbide

**Slitting Saws
End Mills
Keyseats
Reamers
Drills**



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**No restocking charge for standard tools returned within one year
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Thru-Coolant tools**

Special Tools quoted by blueprint, part print or description

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www.supertoolinc.com

Email: sales@supertoolinc.com