



BULLDOG CUTTING TOOLS

DRILLING/SPOTTING/CHAMFERING/REAMING

126 Jackson St. Red Bud, IL 62278

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PROUDLY MADE IN THE USA

SAFETY PRECAUTIONS

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. Additionally, the grinding of cutting tools produces dust that may be hazardous to your health, ensure that proper ventilation is used at all times.

OUR POLICIES

Bulldog Cutting Tools guarantees against any manufacturers defaults in workmanship or materials.

Terms of payment - 2% 10 days net 30

Minimum order - 50.00

Returns - Full credit will be issued for all unused tools within 30 days of the purchase date. All returns must be accompanied by a company issued Return Merchandise Authorization (RMA) number. ALL CUSTOM CARBIDE ORDERS ARE MADE TO ORDER AND ARE NON RETURNABLE.

RECYCLING

Tungsten carbide is a valuable and limited resource. We ask that you recycle your used carbide to reduce the impact on our environment and ensure the longevity of the tungsten resource.

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CARBIDE SPOT DRILLS



SPOT DRILLS

NC Spot drilling before drilling cycles ensures accurate hole locations and prevents drill deflection.
All spot drills are uncoated

90° INCLUDED

Part # 2 Flute	Point Angle	Shank Dia	LOC	OAL
18-SPOT90	90°	1/8"	1/4"	2
316-SPOT90	90°	3/16"	3/8"	2
14-SPOT90	90°	1/4"	3/8"	3
38-SPOT90	90°	3/8"	1/2"	4
12-SPOT90	90°	1/2"	3/4"	4
58-SPOT90	90°	5/8"	1"	4
34-SPOT90	90°	3/4"	1"	4



120° INCLUDED

Part # 2 Flute	Point Angle	Shank Dia	LOC	OAL
18-SPOT120	120°	1/8"	1/4"	2
316-SPOT120	120°	3/16"	3/8"	2
14-SPOT120	120°	1/4"	3/8"	3
38-SPOT120	120°	3/8"	1/2"	4
12-SPOT120	120°	1/2"	3/4"	4
58-SPOT120	120°	5/8"	1"	4
34-SPOT120	120°	3/4"	1"	4

DOUBLE END



DOUBLE END SPOT DRILLS

NC Spot drilling before drilling cycles ensures accurate hole locations and prevents drill deflection.
All spot drills are uncoated

90° INCLUDED

Part # 2 Flute	Point Angle	Shank Dia	LOC	OAL
18DE-SPOT90	90°	1/8"	1/4"	2
316DE-SPOT90	90°	3/16"	3/8"	2
14DE-SPOT90	90°	1/4"	3/8"	3
38DE-SPOT90	90°	3/8"	1/2"	4
12DE-SPOT90	90°	1/2"	3/4"	4
58DE-SPOT90	90°	5/8"	1"	4
34DE-SPOT90	90°	3/4"	1"	4

120° INCLUDED



Part # 2 Flute	Point Angle	Shank Dia	LOC	OAL
18DE-SPOT120	120°	1/8"	1/4"	2
316DE-SPOT120	120°	3/16"	3/8"	2
14DE-SPOT120	120°	1/4"	3/8"	3
38DE-SPOT120	120°	3/8"	1/2"	4
12DE-SPOT120	120°	1/2"	3/4"	4
58DE-SPOT120	120°	5/8"	1"	4
34DE-SPOT120	120°	3/4"	1"	4

Tolerance – Diameter: +.000/-0.002 Shank: -.0001/-0.0003 Made from Submicrograin Carbide

90° & 120° CARBIDE DRILLMILLS



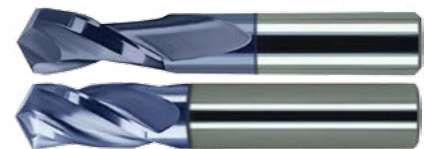
90° DRILLMILLS/CHAMFER MILLS

Multi purpose tool for chamfering and milling parts.

Not recommended for drilling steel.

90° DRILLMILLS

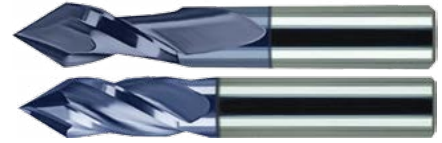
Part # 2 Flute	Part # 4 Flute	Flute Dia	Point Angle	LOC	OAL
18DLML-2F90X	18DLML-4F90X	1/8	90°	.500	1.5
31DLML-2F90X	31DLML-4F90X	3/16	90°	.625	2.0
14DLML-2F90X	14DLML-4F90X	1/4	90°	.750	2.5
51DLML-2F90X	51DLML-4F90X	5/16	90°	.875	2.5
38DLML-2F90X	38DLML-4F90X	3/8	90°	1.0	2.5
12DLML-2F90X	12DLML-4F90X	1/2	90°	1.0	3.0
58DLML-2F90X	58DLML-4F90X	5/8	90°	1.25	3.5
34DLML-2F90X	34DLML-4F90X	3/4	90°	1.5	4.0



120° DRILLMILLS/CHAMFER MILLS

Part # 2 Flute	Part # 4 Flute	Flute Dia	Point Angle	LOC	OAL
18DLML-2F120X	18DLML-4F120X	1/8	120°	.500	1.5
31DLML-2F120X	31DLML-4F120X	3/16	120°	.625	2.0
14DLML-2F120X	14DLML-4F120X	1/4	120°	.750	2.5
51DLML-2F120X	51DLML-4F120X	5/16	120°	.875	2.5
38DLML-2F120X	38DLML-4F120X	3/8	120°	1.0	2.5
12DLML-2F120X	12DLML-4F120X	1/2	120°	1.0	3.0
58DLML-2F120X	58DLML-4F120X	5/8	120°	1.25	3.5
34DLML-2F120X	34DLML-4F120X	3/4	120°	1.5	4.0

60° CARBIDE DRILLMILLS



60° DRILLMILLS/CHAMFER MILLS

Multi purpose tool for chamfering and milling parts.
Not recommended for drilling steel.

Part # 2 Flute	Part # 4 Flute	Flute Dia	Point Angle	LOC	OAL
18DLML-2F60B	18DLML-4F60B	1/8	60°	.500	1.5
31DLML-2F60B	31DLML-4F60B	3/16	60°	.625	2.0
14DLML-2F60B	14DLML-4F60B	1/4	60°	.750	2.5
51DLML-2F60B	51DLML-4F60B	5/16	60°	.875	2.5
38DLML-2F60B	38DLML-4F60B	3/8	60°	1.0	2.5
12DLML-2F60B	12DLML-4F60B	1/2	60°	1.0	3.0
58DLML-2F60B	58DLML-4F60B	5/8	60°	1.25	3.5
34DLML-2F60B	34DLML-4F60B	3/4	60°	1.5	4.0

Multi purpose tool for chamfering and milling parts. Not recommended for drilling steel.
These do not have drill geometry. The 2 flute style can spot drill aluminum but not steel.
These tools are primarily for milling angles or chamfering applications.

**ALL TOOLS ARE MADE FROM PREMIUM AMERICAN CARBIDE BLANKS
AND GROUND IN THE USA
EXPERIENCE THE DIFFERENCE IN AMERICAN MADE**

SPIRAL FLUTE CHAMFER MILLS

SPIRAL HELIX SOLID CARBIDE CHAMFER MILLS

Unique helical geometry reduces cutting forces and improves chip evacuation
Highly effective on exotic as well as standard steels and aluminum

90 DEGREE INCLUDED



Part # 90 Deg	Shank Dia	Tip Dia	Included Angle	OAL	# Flutes
18CHMF90	1/8	To Point	90°	1-1/2	4-STR *
14CHMF90	1/4	0.046	90°	2	4-HLX
38CHMF90	3/8	0.062	90°	2	4-HLX
12CHMF90	1/2	0.093	90°	2 1/2	4-HLX
58CHMF90	5/8	.125	90°	3 1/2	4-HLX

* Straight Fluted Tool

82 DEGREE INCLUDED



Part # 82 Deg	Shank Dia	Tip Dia	Included Angle	OAL	# Flutes
18CHMF82	1/8	To Point	82°	1-1/2	4-STR *
14CHMF82	1/4	0.046	82°	2	4-HLX
38CHMF82	3/8	0.062	82°	2	4-HLX
12CHMF82	1/2	0.093	82°	2 1/2	4-HLX
58CHMF82	5/8	.125	82°	3 1/2	4-HLX

* Straight Fluted Tool

60 DEGREE INCLUDED



Part # 60 Deg	Shank Dia	Tip Dia	Included Angle	OAL	# Flutes
18CHMF60	1/8	To Point	60°	1-1/2	4-STR *
14CHMF60	1/4	0.046	60°	2	4-HLX
38CHMF60	3/8	0.062	60°	2	4-HLX
12CHMF60	1/2	0.093	60°	2 1/2	4-HLX
58CHMF60	5/8	.125	60°	3 1/2	4-HLX

* Straight Fluted Tool

JOBBER LENGTH DRILL



CARBIDE JOBBER LENGTH TWIST DRILL

Premium American sub-micron grain solid carbide, 118 degree drill point, right hand cut - right hand spiral, Standard 25 degree helix, TiAlN coated, diameter tolerance +0.0000/-0.0005

Part # 2 Flute	Size	Decimal	LOC	OAL
1/32-JBBR-TLN	1/32	0.0312	5/16	1-1/4
3/64-JBBR-TLN	3/64	0.0469	3/4	1-1/2
#55-JBBR-TLN	#55	0.0520	3/4	1-1/2
#54-JBBR-TLN	#54	0.0550	3/4	1-1/2
#53-JBBR-TLN	#53	0.0595	3/4	1-1/2
1/16-JBBR-TLN	1/16	0.0625	3/4	1-1/2
#52-JBBR-TLN	#52	0.0635	3/4	1-1/2
#51-JBBR-TLN	#51	0.0670	3/4	1-1/2
#50-JBBR-TLN	#50	0.0700	7/8	1-3/4
#49-JBBR-TLN	#49	0.0730	7/8	1-3/4
#48-JBBR-TLN	#48	0.0760	7/8	1-3/4
5/64-JBBR-TLN	5/64	0.0781	7/8	1-3/4
#47-JBBR-TLN	#47	0.0785	7/8	1-3/4
#46-JBBR-TLN	#46	0.0810	7/8	1-3/4
#45-JBBR-TLN	#45	0.0820	7/8	1-3/4
#44-JBBR-TLN	#44	0.0860	1	2
#43-JBBR-TLN	#43	0.0890	1	2
#42-JBBR-TLN	#42	0.0935	1	2
3/32-JBBR-TLN	3/32	0.0938	1	2
#41-JBBR-TLN	#41	0.0960	1	2
#40-JBBR-TLN	#40	0.0980	1	2
#39-JBBR-TLN	#39	0.0995	1-1/4	2-1/4
#38-JBBR-TLN	#38	0.1015	1-1/4	2-1/4
#37-JBBR-TLN	#37	0.1040	1-1/4	2-1/4
#36-JBBR-TLN	#36	0.1065	1-1/4	2-1/4
7/64-JBBR-TLN	7/64	0.1094	1-1/4	2-1/4
#35-JBBR-TLN	#35	0.1100	1-1/4	2-1/4
#34-JBBR-TLN	#34	0.1110	1-1/4	2-1/4
#33-JBBR-TLN	#33	0.1130	1-1/4	2-1/4

Part # 2 Flute	Size	Decimal	LOC	OAL
#32-JBBR-TLN	#32	0.1160	1-1/4	2-1/4
#31-JBBR-TLN	#31	0.1200	1-1/4	2-1/4
1/8-JBBR-TLN	1/8	0.1250	1-1/4	2-1/4
#30-JBBR-TLN	#30	0.1285	1-1/4	2-1/4
#29-JBBR-TLN	#29	0.1360	1-3/8	2-1/2
#28-JBBR-TLN	#28	0.1405	1-3/8	2-1/2
9/64-JBBR-TLN	9/64	0.1406	1-3/8	2-1/2
#27-JBBR-TLN	#27	0.1440	1-3/8	2-1/2
#26-JBBR-TLN	#26	0.1470	1-3/8	2-1/2
#25-JBBR-TLN	#25	0.1495	1-3/8	2-1/2
#24-JBBR-TLN	#24	0.1520	1-3/8	2-1/2
#23-JBBR-TLN	#23	0.1540	1-3/8	2-1/2
5/32-JBBR-TLN	5/32	0.1562	1-3/8	2-1/2
#22-JBBR-TLN	#22	0.1570	1-3/8	2-1/2
#21-JBBR-TLN	#21	0.1590	1-3/8	2-1/2
#20-JBBR-TLN	#20	0.1610	1-3/8	2-1/2
#19-JBBR-TLN	#19	0.1660	1-5/8	2-3/4
#18-JBBR-TLN	#18	0.1695	1-5/8	2-3/4
11/64-JBBR-TLN	11/64	0.1719	1-5/8	2-3/4
#17-JBBR-TLN	#17	0.1730	1-5/8	2-3/4
#16-JBBR-TLN	#16	0.1770	1-5/8	2-3/4
#15-JBBR-TLN	#15	0.1800	1-5/8	2-3/4
#14-JBBR-TLN	#14	0.1820	1-5/8	2-3/4
#13-JBBR-TLN	#13	0.1850	1-5/8	2-3/4
3/16-JBBR-TLN	3/16	0.1875	1-5/8	2-3/4
#12-JBBR-TLN	#12	0.1890	1-5/8	2-3/4
#11-JBBR-TLN	#11	0.1910	1-5/8	2-3/4
#10-JBBR-TLN	#10	0.1935	1-5/8	2-3/4
#9-JBBR-TLN	#9	0.1960	1-3/4	3

JOBBER LENGTH DRILL



CARBIDE JOBBER LENGTH TWIST DRILL

Premium American sub-micron grain solid carbide, 118 degree drill point, right hand cut - right hand spiral, Standard 25 degree helix, Tialn coated, diameter tolerance +0.0000/-0.0005

Part # 2 Flute	Size	Decimal	LOC	OAL
#8-JBBR-TLN	#8	0.1990	1-3/4	3
#7-JBBR-TLN	#7	0.2010	1-3/4	3
13/64-JBBR-TLN	13/64	0.2031	1-3/4	3
#6-JBBR-TLN	#6	0.2040	1-3/4	3
#5-JBBR-TLN	#5	0.2055	1-3/4	3
#4-JBBR-TLN	#4	0.2090	1-3/4	3
#3-JBBR-TLN	#3	0.2130	1-3/4	3
7/32-JBBR-TLN	7/32	0.2188	1-3/4	3
#2-JBBR-TLN	#2	0.2210	1-3/4	3
#1-JBBR-TLN	#1	0.2280	1-3/4	3
A-JBBR-TLN	A	0.2340	2	3-1/4
15/64-JBBR-TLN	15/64	0.2344	2	3-1/4
B-JBBR-TLN	B	0.2380	2	3-1/4
C-JBBR-TLN	C	0.2420	2	3-1/4
D-JBBR-TLN	D	0.2460	2	3-1/4
1/4-JBBR-TLN	1/4	0.2500	2	3-1/4
E-JBBR-TLN	E	0.2500	2	3-1/4
F-JBBR-TLN	F	0.2570	2	3-1/4
G-JBBR-TLN	G	0.2610	2-1/8	3-1/2
17/64-JBBR-TLN	17/64	0.2656	2-1/8	3-1/2
H-JBBR-TLN	H	0.2660	2-1/8	3-1/2
I-JBBR-TLN	I	0.2720	2-1/8	3-1/2
J-JBBR-TLN	J	0.2770	2-1/8	3-1/2
K-JBBR-TLN	K	0.2810	2-1/8	3-1/2
9/32-JBBR-TLN	9/32	0.2812	2-1/8	3-1/2
L-JBBR-TLN	L	0.2900	2-1/8	3-1/2
M-JBBR-TLN	M	0.2950	2-3/8	3-3/4
19/64-JBBR-TLN	19/64	0.2969	2-3/8	3-3/4
N-JBBR-TLN	N	0.3020	2-3/8	3-3/4

Part # 2 Flute	Size	Decimal	LOC	OAL
5/16-JBBR-TLN	5/16	0.3125	2-3/8	3-3/4
O-JBBR-TLN	O	0.3160	2-3/8	3-3/4
P-JBBR-TLN	P	0.3230	2-3/8	3-3/4
21/64-JBBR-TLN	21/64	0.3281	2-1/2	4
Q-JBBR-TLN	Q	0.3320	2-1/2	4
R-JBBR-TLN	R	0.3390	2-1/2	4
11/32-JBBR-TLN	11/32	0.3438	2-1/2	4
S-JBBR-TLN	S	0.3480	2-1/2	4
T-JBBR-TLN	T	0.3580	2-3/4	4-1/4
23/64-JBBR-TLN	23/64	0.3594	2-3/4	4-1/4
U-JBBR-TLN	U	0.3680	2-3/4	4-1/4
3/8-JBBR-TLN	3/8	0.3750	2-3/4	4-1/4
V-JBBR-TLN	V	0.3770	2-3/4	4-1/4
W-JBBR-TLN	W	0.3860	2-7/8	4-1/2
25/64-JBBR-TLN	25/64	0.3906	2-7/8	4-1/2
X-JBBR-TLN	X	0.3970	2-7/8	4-1/2
Y-JBBR-TLN	Y	0.4040	2-7/8	4-1/2
13/32-JBBR-TLN	13/32	0.4062	2-7/8	4-1/2
Z-JBBR-TLN	Z	0.4130	2-7/8	4-1/2
27/64-JBBR-TLN	27/64	0.4219	2-7/8	4-1/2
7/16-JBBR-TLN	7/16	0.4375	2-7/8	4-1/2
29/64-JBBR-TLN	29/64	0.4531	3	4-3/4
15/32-JBBR-TLN	15/32	0.4688	3	4-3/4
31/64-JBBR-TLN	31/64	0.4844	3	4-3/4
1/2-JBBR-TLN	1/2	0.5000	3	4-3/4

SCREW LENGTH DRILL



CARBIDE SCREW LENGTH TWIST DRILL

Premium American sub-micron grain solid carbide, 135 degree drill point, right hand cut - right hand spiral, Standard 15 degree helix, Tialn coated, diameter tolerance +0.0000/-0.0005

Part # 2 Flute	Size	Decimal	LOC	OAL
1/32-SCRW-TLN	1/32	0.0312	5/16	1-1/4
3/64-SCRW-TLN	3/64	0.0469	3/4	1-1/2
#55-SCRW-TLN	#55	0.0520	3/4	1-1/2
#54-SCRW-TLN	#54	0.0550	3/4	1-1/2
#53-SCRW-TLN	#53	0.0595	3/4	1-1/2
1/16-SCRW-TLN	1/16	0.0625	3/4	1-1/2
#52-SCRW-TLN	#52	0.0635	3/4	1-1/2
#51-SCRW-TLN	#51	0.0670	3/4	1-1/2
#50-SCRW-TLN	#50	0.0700	7/8	1-3/4
#49-SCRW-TLN	#49	0.0730	7/8	1-3/4
#48-SCRW-TLN	#48	0.0760	7/8	1-3/4
5/64-SCRW-TLN	5/64	0.0781	7/8	1-3/4
#47-SCRW-TLN	#47	0.0785	7/8	1-3/4
#46-SCRW-TLN	#46	0.0810	7/8	1-3/4
#45-SCRW-TLN	#45	0.0820	7/8	1-3/4
#44-SCRW-TLN	#44	0.0860	1	2
#43-SCRW-TLN	#43	0.0890	1	2
#42-SCRW-TLN	#42	0.0935	1	2
3/32-SCRW-TLN	3/32	0.0938	1	2
#41-SCRW-TLN	#41	0.0960	1	2
#40-SCRW-TLN	#40	0.0980	1	2
#39-SCRW-TLN	#39	0.0995	1-1/4	2-1/4
#38-SCRW-TLN	#38	0.1015	1-1/4	2-1/4
#37-SCRW-TLN	#37	0.1040	1-1/4	2-1/4
#36-SCRW-TLN	#36	0.1065	1-1/4	2-1/4
7/64-SCRW-TLN	7/64	0.1094	1-1/4	2-1/4
#35-SCRW-TLN	#35	0.1100	1-1/4	2-1/4
#34-SCRW-TLN	#34	0.1110	1-1/4	2-1/4
#33-SCRW-TLN	#33	0.1130	1-1/4	2-1/4

Part # 2 Flute	Size	Decimal	LOC	OAL
#32-SCRW-TLN	#32	0.1160	1-1/4	2-1/4
#31-SCRW-TLN	#31	0.1200	1-1/4	2-1/4
1/8-SCRW-TLN	1/8	0.1250	1-1/4	2-1/4
#30-SCRW-TLN	#30	0.1285	1-1/4	2-1/4
#29-SCRW-TLN	#29	0.1360	1-3/8	2-1/2
#28-SCRW-TLN	#28	0.1405	1-3/8	2-1/2
9/64-SCRW-TLN	9/64	0.1406	1-3/8	2-1/2
#27-SCRW-TLN	#27	0.1440	1-3/8	2-1/2
#26-SCRW-TLN	#26	0.1470	1-3/8	2-1/2
#25-SCRW-TLN	#25	0.1495	1-3/8	2-1/2
#24-SCRW-TLN	#24	0.1520	1-3/8	2-1/2
#23-SCRW-TLN	#23	0.1540	1-3/8	2-1/2
5/32-SCRW-TLN	5/32	0.1562	1-3/8	2-1/2
#22-SCRW-TLN	#22	0.1570	1-3/8	2-1/2
#21-SCRW-TLN	#21	0.1590	1-3/8	2-1/2
#20-SCRW-TLN	#20	0.1610	1-3/8	2-1/2
#19-SCRW-TLN	#19	0.1660	1-5/8	2-3/4
#18-SCRW-TLN	#18	0.1695	1-5/8	2-3/4
11/64-SCRW-TLN	11/64	0.1719	1-5/8	2-3/4
#17-SCRW-TLN	#17	0.1730	1-5/8	2-3/4
#16-SCRW-TLN	#16	0.1770	1-5/8	2-3/4
#15-SCRW-TLN	#15	0.1800	1-5/8	2-3/4
#14-SCRW-TLN	#14	0.1820	1-5/8	2-3/4
#13-SCRW-TLN	#13	0.1850	1-5/8	2-3/4
3/16-SCRW-TLN	3/16	0.1875	1-5/8	2-3/4
#12-SCRW-TLN	#12	0.1890	1-5/8	2-3/4
#11-SCRW-TLN	#11	0.1910	1-5/8	2-3/4
#10-SCRW-TLN	#10	0.1935	1-5/8	2-3/4
#9-SCRW-TLN	#9	0.1960	1-3/4	3

SCREW LENGTH DRILL



CARBIDE SCREW LENGTH TWIST DRILL

Premium American sub-micron grain solid carbide, 135 degree drill point, right hand cut - right hand spiral, Standard 15 degree helix, Tialn coated, diameter tolerance +0.0000/-0.0005

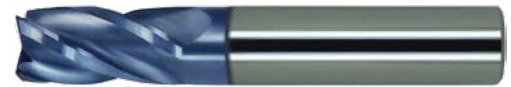
Part # 2 Flute	Size	Decimal	LOC	OAL
#8-SCRW-TLN	#8	0.1990	1-3/4	3
#7-SCRW-TLN	#7	0.2010	1-3/4	3
13/64-SCRW-TLN	13/64	0.2031	1-3/4	3
#6-SCRW-TLN	#6	0.2040	1-3/4	3
#5-SCRW-TLN	#5	0.2055	1-3/4	3
#4-SCRW-TLN	#4	0.2090	1-3/4	3
#3-SCRW-TLN	#3	0.2130	1-3/4	3
7/32-SCRW-TLN	7/32	0.2188	1-3/4	3
#2-SCRW-TLN	#2	0.2210	1-3/4	3
#1-SCRW-TLN	#1	0.2280	1-3/4	3
A-SCRW-TLN	A	0.2340	2	3-1/4
15/64-SCRW-TLN	15/64	0.2344	2	3-1/4
B-SCRW-TLN	B	0.2380	2	3-1/4
C-SCRW-TLN	C	0.2420	2	3-1/4
D-SCRW-TLN	D	0.2460	2	3-1/4
1/4-SCRW-TLN	1/4	0.2500	2	3-1/4
E-SCRW-TLN	E	0.2500	2	3-1/4
F-SCRW-TLN	F	0.2570	2	3-1/4
G-SCRW-TLN	G	0.2610	2-1/8	3-1/2
17/64-SCRW-TLN	17/64	0.2656	2-1/8	3-1/2
H-SCRW-TLN	H	0.2660	2-1/8	3-1/2
I-SCRW-TLN	I	0.2720	2-1/8	3-1/2
J-SCRW-TLN	J	0.2770	2-1/8	3-1/2
K-SCRW-TLN	K	0.2810	2-1/8	3-1/2
9/32-SCRW-TLN	9/32	0.2812	2-1/8	3-1/2
L-SCRW-TLN	L	0.2900	2-1/8	3-1/2
M-SCRW-TLN	M	0.2950	2-3/8	3-3/4
19/64-SCRW-TLN	19/64	0.2969	2-3/8	3-3/4
N-SCRW-TLN	N	0.3020	2-3/8	3-3/4

Part # 2 Flute	Size	Decimal	LOC	OAL
5/16-SCRW-TLN	5/16	0.3125	2-3/8	3-3/4
O-SCRW-TLN	O	0.3160	2-3/8	3-3/4
P-SCRW-TLN	P	0.3230	2-3/8	3-3/4
21/64-SCRW-TLN	21/64	0.3281	2-1/2	4
Q-SCRW-TLN	Q	0.3320	2-1/2	4
R-SCRW-TLN	R	0.3390	2-1/2	4
11/32-SCRW-TLN	11/32	0.3438	2-1/2	4
S-SCRW-TLN	S	0.3480	2-1/2	4
T-SCRW-TLN	T	0.3580	2-3/4	4-1/4
23/64-SCRW-TLN	23/64	0.3594	2-3/4	4-1/4
U-SCRW-TLN	U	0.3680	2-3/4	4-1/4
3/8-SCRW-TLN	3/8	0.3750	2-3/4	4-1/4
V-SCRW-TLN	V	0.3770	2-3/4	4-1/4
W-SCRW-TLN	W	0.3860	2-7/8	4-1/2
25/64-SCRW-TLN	25/64	0.3906	2-7/8	4-1/2
X-SCRW-TLN	X	0.3970	2-7/8	4-1/2
Y-SCRW-TLN	Y	0.4040	2-7/8	4-1/2
13/32-SCRW-TLN	13/32	0.4062	2-7/8	4-1/2
Z-SCRW-TLN	Z	0.4130	2-7/8	4-1/2
27/64-SCRW-TLN	27/64	0.4219	2-7/8	4-1/2
7/16-SCRW-TLN	7/16	0.4375	2-7/8	4-1/2
29/64-SCRW-TLN	29/64	0.4531	3	4-3/4
15/32-SCRW-TLN	15/32	0.4688	3	4-3/4
31/64-SCRW-TLN	31/64	0.4844	3	4-3/4
1/2-SCRW-TLN	1/2	0.5000	3	4-3/4

SOLID CARBIDE DRILL TECHNICAL

MATERIAL	SFM	DRILL FEED (INCHES PER TOOTH)								
		1/16	3/32	1/8	3/16	1/4	5/16	3/8	7/16	1/2
Aluminum	250-650	.0008	.0019	.003	.005	.007	.0083	.0095	.0108	.012
Aluminum > 10%	100-400	.0008	.0014	.002	.004	.006	.007	.008	.009	.010
Brass	250-450	.0007	.0014	.002	.0025	.003	.0033	.0035	.0038	.004
Bronze	150-250	.0007	.0014	.002	.0025	.003	.0033	.0035	.0038	.004
Cast Irons										
Soft	150-300	.001	.002	.003	.004	.005	.0063	.0075	.0088	.010
Medium	125-250	.001	.002	.003	.004	.005	.0058	.0065	.0073	.008
Ductile	80-200	.0005	.0013	.002	.003	.004	.0045	.005	.0056	.006
Malleable	65-200	.0005	.0013	.002	.003	.004	.0048	.0055	.0063	.007
Copper	150-300	.001	.002	.003	.005	.007	.0083	.0095	.0108	.012
Magnesium	300-600	.001	.002	.003	.005	.007	.0083	.0095	.0108	.012
Monel & High Nickel Steel	75-200	.001	.002	.003	.004	.005	.006	.007	.008	.009
Plastics	150-450	.001	.0015	.002	.003	.004	.0043	.0045	.0048	.005
Stainless Stl (Soft)	80-300	.001	.002	.003	.004	.005	.0058	.0065	.0073	.008
Stainless Stl (Hard)	40-100	.0005	.0013	.002	.003	.004	.0045	.005	.0055	.006
Steels										
Low Carbon	150-300	.001	.0015	.002	.003	.004	.0048	.0055	.0063	.007
Med Carbon	100-200	.001	.0015	.002	.0025	.003	.0038	.0045	.0053	.006
High Tensile (35-40 Rc)	75-150	.001	.0015	.002	.0025	.003	.0033	.0035	.0038	.004
High Tensile (40-45 Rc)	50-100	.0007	.0009	.001	.0015	.002	.0023	.0025	.0028	.003
High Tensile (46 Rc+)	25-75	.0005	.0006	.0007	.0009	.001	.0013	.0015	.0018	.002
Mold Steel	60-130	.0005	.0008	.001	.002	.003	.0035	.004	.0045	.005
Tool Steel	40-100	.001	.0013	.0015	.0023	.003	.0035	.004	.0045	.005
Titanium										
Soft	80-350	.001	.0015	.002	.003	.004	.0045	.005	.0055	.006
Hard	40-100	.0007	.0009	.001	.0015	.002	.0028	.0035	.0043	.005

TRU-REAM ENDMILLS



TRU-REAM ENDMILLS

Plunge with a Tru-Ream endmill to qualify your drilled hole before reaming. Allows you to feed your reamer faster. Saves time, Improves reamer accuracy in diameter and location (true position), Extends the tool life of your reamer.

IMPERIAL

Part # 4 Flute	Endmill Cut Dia	Preps For Reamed Hole Size	Corner Rad	LOC	Shank	OAL
18TRU-REAM	.119	1/8	.007	1/2	1/8	1 1/2
316TRU-REAM	.181	3/16	.007	5/8	3/16	2
14TRU-REAM	.244	1/4	.007	3/4	1/4	2 1/2
516TRU-REAM	.306	5/16	.007	7/8	5/16	2 1/2
38TRU-REAM	.368	3/8	.007	7/8	3/8	2 1/2
12TRU-REAM	.493	1/2	.007	1	1/2	3

Plunging **Tru-Ream Endmill**, before running your reamer, corrects true position location, roundness of hole, and leaves the optimum, consistent amount of stock for your reamer to take out.

This allows the reamer to cut accurately and efficiently and extends its tool life.

Standard Length 4 Flute Solid Carbide, .006 Corner Radius, AlTiN Coated.



METRIC

Part # 4 Flute	Endmill Cut Dia	Preps For Reamed Hole Size	Corner Rad	LOC	Shank	OAL
03M-TRU-REAM	.112	3MM	.007	1/2	1/8	1 1/2
04M-TRU-REAM	.150	4MM	.007	5/8	3/16	2
05M-TRU-REAM	.190	5MM	.007	5/8	1/4	2
06M-TRU-REAM	.230	6MM	.007	3/4	1/4	2 1/2
08M-TRU-REAM	.309	8MM	.007	7/8	5/16	2 1/2
10M-TRU-REAM	.387	10MM	.007	7/8	7/16	3
12M-TRU-REAM	.465	12MM	.007	1	1/2	3

TRU-REAM CARBIDE ENDMILLS

Using a Tru-Ream Endmills Before Your Reamer:

Saves time and increases efficiency

Improves reaming accuracy in roundness, size and location (true position)

Allows for faster reaming

Extends the tool life of your reamer

The Tru-Ream Endmill Concept

The accuracy of a reamed hole depends heavily on the procedures leading up to the actual reaming operation.

The purpose of a reamer is to machine a hole to a precise specified size.

In some cases the process of drilling and reaming a hole is accurate enough but this often results in a loss of accuracy in true position location, size, and roundness of the hole.

If the drill “walks”, drifts or creates a hole that is not precisely round during the drilling operation, a reamer is not rigid enough to correct these issues and it will “follow” the hole error that the drill left whether it be slightly out of round or slightly off location.

The accepted way to avoid this problem has been to qualify or “skim bore” the drilled hole with a boring bar. This means finding, and assembling a boring head and the appropriate boring bar, aligning the boring bar, taking a test cut and measuring the hole, making the adjustment on the boring head to creep up on the size desired, and hoping it cuts consistently after that. This usually amounts to 30 to 45 minutes for most operators.

A solution to this problem is to eliminate the “skim bore” operation by utilizing a carbide endmill that is slightly smaller than the reamer size. Plunge-milling a hole after the drilling operation with a **Tru-Ream Endmill**, qualifies the hole leaving it perfectly round with an accurate location, correcting any error occurring from the drilling process. **Tru-Ream Endmills** have been ground to a precise diameter to leave the optimum, consistent amount of stock for your reamer to take out. The optimum amount of stock in the hole for reaming is most often .003 per side, .006 total diameter, which allows the reamer to cut accurately and efficiently with extended tool life. After using the Tru-Ream Endmill, the reamer is never experiencing a heavy cut or an inconsistent side wall that a drill often produces.

For best results we recommend the drilled hole be .012 min.- .032 max. under the size of the Tru-Ream Endmill.

Starting Point Speeds and Feeds

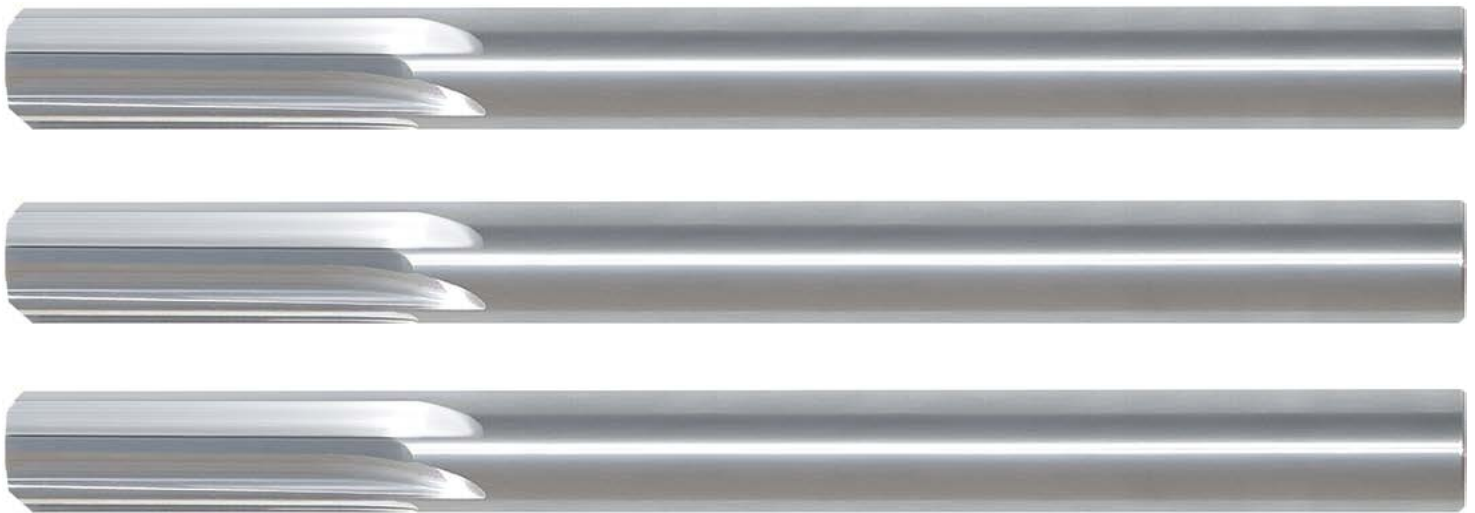
SFM = 70-120 Chipload = .0015 - .003

Plunge to depth.

If stringy chip, use a drill peck cycle

Coolant Recommended

REAMERS



Bulldog straight flute chucking reamers are designed for precision hole finishing in a wide variety of materials and applications.

The combination of premium American solid carbide, precision grinding and superior design allow for maximum production & consistent tool life.

EXPERIENCE THE DIFFERENCE IN AMERICAN MADE

General Reaming Recommendations:

Use good collet and tool holder and indicate the reamer for best results

Use flood coolant

Maximize work piece rigidity

Consider machine rigidity and spindle concentricity

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

4 FLUTE

Part #	Dec	Size	LOC	OAL
0300-REAM-SFC	0.0300		1/4	1-1/2
0305-REAM-SFC	0.0305		1/4	1-1/2
0310-REAM-SFC	0.0310	#68	1/4	1-1/2
0312-REAM-SFC	0.0312	1/32	1/4	1-1/2
0315-REAM-SFC	0.0315		1/4	1-1/2
0320-REAM-SFC	0.0320	#67	1/4	1-1/2
0325-REAM-SFC	0.0325		1/4	1-1/2
0330-REAM-SFC	0.0330	#66	1/4	1-1/2
0335-REAM-SFC	0.0335		1/4	1-1/2
0340-REAM-SFC	0.0340		1/4	1-1/2
0345-REAM-SFC	0.0345		1/4	1-1/2
0350-REAM-SFC	0.0350	#65	1/4	1-1/2
0355-REAM-SFC	0.0355		1/4	1-1/2
0360-REAM-SFC	0.0360	#64	1/4	1-1/2
0365-REAM-SFC	0.0365		1/4	1-1/2
0370-REAM-SFC	0.0370	#63	1/4	1-1/2
0375-REAM-SFC	0.0375		1/4	1-1/2
0380-REAM-SFC	0.0380	#62	1/4	1-1/2
0385-REAM-SFC	0.0385		1/4	1-1/2
0390-REAM-SFC	0.0390	#61	1/4	1-1/2
0394-REAM-SFC	0.0394	1.0mm	6mm	38mm
0395-REAM-SFC	0.0395		1/4	1-1/2
0400-REAM-SFC	0.0400	#60	1/4	1-1/2
0405-REAM-SFC	0.0405		1/4	1-1/2
0410-REAM-SFC	0.0410	#59	1/4	1-1/2
0415-REAM-SFC	0.0415		1/4	1-1/2
0420-REAM-SFC	0.0420	#58	3/8	1-1/2
0425-REAM-SFC	0.0425		3/8	1-1/2
0430-REAM-SFC	0.0430	#57	3/8	1-1/2

4 FLUTE

Part #	Dec	Size	LOC	OAL
0435-REAM-SFC	0.0435		3/8	1-1/2
0440-REAM-SFC	0.0440		3/8	1-1/2
0445-REAM-SFC	0.0445		3/8	1-1/2
0450-REAM-SFC	0.0450		3/8	1-1/2
0455-REAM-SFC	0.0455		3/8	1-1/2
0460-REAM-SFC	0.0460		3/8	1-1/2
0465-REAM-SFC	0.0465	#56	3/8	1-1/2
0469-REAM-SFC	0.0469	3/64	3/8	1-1/2
0470-REAM-SFC	0.0470		3/8	1-1/2
0475-REAM-SFC	0.0475		3/8	1-1/2
0480-REAM-SFC	0.0480		3/8	1-1/2
0485-REAM-SFC	0.0485		3/8	1-1/2
0490-REAM-SFC	0.0490		3/8	1-1/2
0495-REAM-SFC	0.0495		3/8	1-1/2
0500-REAM-SFC	0.0500		3/8	1-1/2
0505-REAM-SFC	0.0505		3/8	1-1/2
0510-REAM-SFC	0.0510		3/8	1-1/2
0515-REAM-SFC	0.0515		3/8	1-1/2
0520-REAM-SFC	0.0520	#55	3/8	1-1/2
0525-REAM-SFC	0.0525		3/8	1-1/2
0530-REAM-SFC	0.0530		3/8	1-1/2
0535-REAM-SFC	0.0535		3/8	1-1/2
0540-REAM-SFC	0.0540		3/8	1-1/2
0545-REAM-SFC	0.0545		3/8	1-1/2
0550-REAM-SFC	0.0550	#54	3/8	1-1/2
0555-REAM-SFC	0.0555		3/8	1-1/2
0560-REAM-SFC	0.0560		3/8	1-1/2
0565-REAM-SFC	0.0565		3/8	1-1/2
0570-REAM-SFC	0.0570		3/8	1-1/2

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

4 FLUTE

Part #	Dec	Size	LOC	OAL
0575-REAM-SFC	0.0575		3/8	1-1/2
0580-REAM-SFC	0.0580		3/8	1-1/2
0585-REAM-SFC	0.0585		3/8	1-1/2
0590-REAM-SFC	0.0590		3/8	1-1/2
0591-REAM-SFC	0.0591	1.5mm	10mm	38mm
0595-REAM-SFC	0.0595	#53	3/8	1-1/2
0600-REAM-SFC	0.0600		3/8	1-1/2
0605-REAM-SFC	0.0605		3/8	1-1/2
0610-REAM-SFC	0.0610		3/8	1-1/2
0615-REAM-SFC	0.0615		3/8	1-1/2
0620-REAM-SFC	0.0620		3/8	1-1/2
0622-REAM-SFC	0.0622		3/8	1-1/2
0623-REAM-SFC	0.0623		3/8	1-1/2
0625-REAM-SFC	0.0625	1/16	3/8	1-1/2
0630-REAM-SFC	0.0630		3/8	1-1/2
0635-REAM-SFC	0.0635	#52	3/8	1-1/2
0640-REAM-SFC	0.0640		3/8	1-1/2
0645-REAM-SFC	0.0645		3/8	1-1/2
0650-REAM-SFC	0.0650		3/8	1-1/2
0655-REAM-SFC	0.0655		1/2	1-3/4
0660-REAM-SFC	0.0660		1/2	1-3/4
0665-REAM-SFC	0.0665		1/2	1-3/4
0670-REAM-SFC	0.0670	#51	1/2	1-3/4
0675-REAM-SFC	0.0675		1/2	1-3/4
0680-REAM-SFC	0.0680		1/2	1-3/4
0685-REAM-SFC	0.0685		1/2	1-3/4
0690-REAM-SFC	0.0690		1/2	1-3/4
0695-REAM-SFC	0.0695		1/2	1-3/4
0700-REAM-SFC	0.0700	#50	1/2	1-3/4

4 FLUTE

Part #	Dec	Size	LOC	OAL
0705-REAM-SFC	0.0705		1/2	1-3/4
0710-REAM-SFC	0.0710		1/2	1-3/4
0715-REAM-SFC	0.0715		1/2	1-3/4
0720-REAM-SFC	0.0720		1/2	1-3/4
0725-REAM-SFC	0.0725		1/2	1-3/4
0730-REAM-SFC	0.0730	#49	1/2	1-3/4
0735-REAM-SFC	0.0735		1/2	1-3/4
0740-REAM-SFC	0.0740		1/2	1-3/4
0745-REAM-SFC	0.0745		1/2	1-3/4
0750-REAM-SFC	0.0750		1/2	1-3/4
0755-REAM-SFC	0.0755		1/2	1-3/4
0760-REAM-SFC	0.0760	#48	1/2	1-3/4
0765-REAM-SFC	0.0765		1/2	1-3/4
0770-REAM-SFC	0.0770		1/2	1-3/4
0775-REAM-SFC	0.0775		1/2	1-3/4
0780-REAM-SFC	0.0780		1/2	1-3/4
0781-REAM-SFC	0.0781	5/64	1/2	1-3/4
0785-REAM-SFC	0.0785	#47	1/2	1-3/4
0787-REAM-SFC	0.0787	2.0mm	13mm	44mm
0790-REAM-SFC	0.0790		1/2	1-3/4
0795-REAM-SFC	0.0795		1/2	1-3/4
0800-REAM-SFC	0.0800		1/2	1-3/4
0805-REAM-SFC	0.0805		1/2	1-3/4
0810-REAM-SFC	0.0810	#46	1/2	1-3/4
0815-REAM-SFC	0.0815		1/2	2
0820-REAM-SFC	0.0820	#45	1/2	2
0825-REAM-SFC	0.0825		1/2	2
0830-REAM-SFC	0.0830		1/2	2
0835-REAM-SFC	0.0835		1/2	2

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,
 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

4 FLUTE

Part #	Dec	Size	LOC	OAL
0840-REAM-SFC	0.0840		1/2	2
0845-REAM-SFC	0.0845		1/2	2
0850-REAM-SFC	0.0850		1/2	2
0855-REAM-SFC	0.0855		1/2	2
0860-REAM-SFC	0.0860	#44	1/2	2
0865-REAM-SFC	0.0865		1/2	2
0870-REAM-SFC	0.0870		1/2	2
0875-REAM-SFC	0.0875		1/2	2
0880-REAM-SFC	0.0880		1/2	2
0885-REAM-SFC	0.0885		1/2	2
0890-REAM-SFC	0.0890	#43	1/2	2
0895-REAM-SFC	0.0895		1/2	2
0900-REAM-SFC	0.0900		1/2	2
0905-REAM-SFC	0.0905		1/2	2
0910-REAM-SFC	0.0910		1/2	2
0915-REAM-SFC	0.0915		1/2	2
0920-REAM-SFC	0.0920		1/2	2
0925-REAM-SFC	0.0925		1/2	2
0930-REAM-SFC	0.0930		1/2	2
0933-REAM-SFC	0.0933		1/2	2
0935-REAM-SFC	0.0935	#42	1/2	2
0937-REAM-SFC	0.0937		1/2	2
0938-REAM-SFC	0.0938	3/32	1/2	2
0940-REAM-SFC	0.0940		1/2	2
0945-REAM-SFC	0.0945		1/2	2
0950-REAM-SFC	0.0950		1/2	2
0955-REAM-SFC	0.0955		1/2	2
0960-REAM-SFC	0.0960	#41	1/2	2
0965-REAM-SFC	0.0965		1/2	2

4 FLUTE

Part #	Dec	Size	LOC	OAL
0970-REAM-SFC	0.0970		5/8	2-1/4
0975-REAM-SFC	0.0975		5/8	2-1/4
0980-REAM-SFC	0.0980	#40	5/8	2-1/4
0984-REAM-SFC	0.0984	2.5mm	16mm	57mm
0985-REAM-SFC	0.0985		5/8	2-1/4
0990-REAM-SFC	0.0990		5/8	2-1/4
0995-REAM-SFC	0.0995	#39	5/8	2-1/4
1000-REAM-SFC	0.1000		5/8	2-1/4
1005-REAM-SFC	0.1005		5/8	2-1/4
1010-REAM-SFC	0.1010		5/8	2-1/4
1015-REAM-SFC	0.1015	#38	5/8	2-1/4
1020-REAM-SFC	0.1020		5/8	2-1/4
1025-REAM-SFC	0.1025		5/8	2-1/4
1030-REAM-SFC	0.1030		5/8	2-1/4
1035-REAM-SFC	0.1035		5/8	2-1/4
1040-REAM-SFC	0.1040	#37	5/8	2-1/4
1045-REAM-SFC	0.1045		5/8	2-1/4
1050-REAM-SFC	0.1050		5/8	2-1/4
1055-REAM-SFC	0.1055		5/8	2-1/4
1060-REAM-SFC	0.1060		5/8	2-1/4
1065-REAM-SFC	0.1065	#36	5/8	2-1/4
1070-REAM-SFC	0.1070		5/8	2-1/4
1075-REAM-SFC	0.1075		5/8	2-1/4
1080-REAM-SFC	0.1080		5/8	2-1/4
1085-REAM-SFC	0.1085		5/8	2-1/4
1090-REAM-SFC	0.1090		5/8	2-1/4
1094-REAM-SFC	0.1094	7/64	5/8	2-1/4
1095-REAM-SFC	0.1095		5/8	2-1/4
1100-REAM-SFC	0.1100	#35	5/8	2-1/4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

4 FLUTE

Part #	Dec	Size	LOC	OAL
1105-REAM-SFC	0.1105		5/8	2-1/4
1110-REAM-SFC	0.1110	#34	5/8	2-1/4
1115-REAM-SFC	0.1115		5/8	2-1/4
1120-REAM-SFC	0.1120		5/8	2-1/4
1125-REAM-SFC	0.1125		5/8	2-1/4
1130-REAM-SFC	0.1130	#33	5/8	2-1/4
1135-REAM-SFC	0.1135		5/8	2-1/4
1140-REAM-SFC	0.1140		5/8	2-1/4
1145-REAM-SFC	0.1145		5/8	2-1/4
1150-REAM-SFC	0.1150		5/8	2-1/4
1155-REAM-SFC	0.1155		5/8	2-1/4
1160-REAM-SFC	0.1160	#32	5/8	2-1/4
1165-REAM-SFC	0.1165		5/8	2-1/4
1170-REAM-SFC	0.1170		5/8	2-1/4
1175-REAM-SFC	0.1175		5/8	2-1/4
1180-REAM-SFC	0.1180		5/8	2-1/4
1181-REAM-SFC	0.1181	3.0mm	16mm	57mm
1185-REAM-SFC	0.1185		5/8	2-1/4
1190-REAM-SFC	0.1190		5/8	2-1/4
1195-REAM-SFC	0.1195		5/8	2-1/4
1200-REAM-SFC	0.1200	#31	5/8	2-1/4
1205-REAM-SFC	0.1205		5/8	2-1/4
1210-REAM-SFC	0.1210		5/8	2-1/4
1215-REAM-SFC	0.1215		5/8	2-1/4
1220-REAM-SFC	0.1220		5/8	2-1/4
1225-REAM-SFC	0.1225		5/8	2-1/4
1230-REAM-SFC	0.1230		5/8	2-1/4
1235-REAM-SFC	0.1235		5/8	2-1/4
1240-REAM-SFC	0.1240		5/8	2-1/4

4 FLUTE

Part #	Dec	Size	LOC	OAL
1245-REAM-SFC	0.1245		5/8	2-1/4
1247-REAM-SFC	0.1247		5/8	2-1/4
1250-REAM-SFC	0.1250	1/8	5/8	2-1/4
1255-REAM-SFC	0.1255		5/8	2-1/4
1260-REAM-SFC	0.1260		5/8	2-1/4
1265-REAM-SFC	0.1265		5/8	2-1/4
1270-REAM-SFC	0.1270		5/8	2-1/4
1275-REAM-SFC	0.1275		5/8	2-1/4
1280-REAM-SFC	0.1280		5/8	2-1/4
1285-REAM-SFC	0.1285	#30	5/8	2-1/4
1290-REAM-SFC	0.1290		5/8	2-1/4
1295-REAM-SFC	0.1295		5/8	2-1/4
1300-REAM-SFC	0.1300		5/8	2-1/4
1305-REAM-SFC	0.1305		3/4	2-1/2
1310-REAM-SFC	0.1310		3/4	2-1/2
1315-REAM-SFC	0.1315		3/4	2-1/2
1320-REAM-SFC	0.1320		3/4	2-1/2
1325-REAM-SFC	0.1325		3/4	2-1/2
1330-REAM-SFC	0.1330		3/4	2-1/2
1335-REAM-SFC	0.1335		3/4	2-1/2
1340-REAM-SFC	0.1340		3/4	2-1/2
1345-REAM-SFC	0.1345		3/4	2-1/2
1350-REAM-SFC	0.1350		3/4	2-1/2
1355-REAM-SFC	0.1355		3/4	2-1/2
1360-REAM-SFC	0.1360	#29	3/4	2-1/2
1365-REAM-SFC	0.1365		3/4	2-1/2
1370-REAM-SFC	0.1370		3/4	2-1/2
1375-REAM-SFC	0.1375		3/4	2-1/2
1378-REAM-SFC	0.1378	3.5mm	19mm	64mm

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

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Part #	Dec	Size	LOC	OAL
1380-REAM-SFC	0.1380		3/4	2-1/2
1385-REAM-SFC	0.1385		3/4	2-1/2
1390-REAM-SFC	0.1390		3/4	2-1/2
1395-REAM-SFC	0.1395		3/4	2-1/2
1400-REAM-SFC	0.1400		3/4	2-1/2
1405-REAM-SFC	0.1405	#28	3/4	2-1/2
1406-REAM-SFC	0.1406	9/64	3/4	2-1/2
1410-REAM-SFC	0.1410		3/4	2-1/2
1415-REAM-SFC	0.1415		3/4	2-1/2
1420-REAM-SFC	0.1420		3/4	2-1/2
1425-REAM-SFC	0.1425		3/4	2-1/2
1430-REAM-SFC	0.1430		3/4	2-1/2
1435-REAM-SFC	0.1435		3/4	2-1/2
1440-REAM-SFC	0.1440	#27	3/4	2-1/2
1445-REAM-SFC	0.1445		3/4	2-1/2
1450-REAM-SFC	0.1450		3/4	2-1/2
1455-REAM-SFC	0.1455		3/4	2-1/2
1460-REAM-SFC	0.1460		3/4	2-1/2
1465-REAM-SFC	0.1465		3/4	2-1/2
1470-REAM-SFC	0.1470	#26	3/4	2-1/2
1475-REAM-SFC	0.1475		3/4	2-1/2
1480-REAM-SFC	0.1480		3/4	2-1/2
1485-REAM-SFC	0.1485		3/4	2-1/2
1490-REAM-SFC	0.1490		3/4	2-1/2
1495-REAM-SFC	0.1495	#25	3/4	2-1/2
1500-REAM-SFC	0.1500		3/4	2-1/2
1505-REAM-SFC	0.1505		3/4	2-1/2
1507-REAM-SFC	0.1507		3/4	2-1/2
1510-REAM-SFC	0.1510		3/4	2-1/2

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Part #	Dec	Size	LOC	OAL
1515-REAM-SFC	0.1515		3/4	2-1/2
1520-REAM-SFC	0.1520	#24	3/4	2-1/2
1525-REAM-SFC	0.1525		3/4	2-1/2
1530-REAM-SFC	0.1530		3/4	2-1/2
1535-REAM-SFC	0.1535		3/4	2-1/2
1540-REAM-SFC	0.1540	#23	3/4	2-1/2
1541-REAM-SFC	0.1541		3/4	2-1/2
1545-REAM-SFC	0.1545		3/4	2-1/2
1550-REAM-SFC	0.1550		3/4	2-1/2
1555-REAM-SFC	0.1555		3/4	2-1/2
1560-REAM-SFC	0.1560		3/4	2-1/2
1562-REAM-SFC	0.1562	5/32	3/4	2-1/2
1565-REAM-SFC	0.1565		3/4	2-1/2
1570-REAM-SFC	0.1570	#22	3/4	2-1/2
1575-REAM-SFC	0.1575	4.0mm	19mm	64mm
1580-REAM-SFC	0.1580		3/4	2-1/2
1585-REAM-SFC	0.1585		3/4	2-1/2
1590-REAM-SFC	0.1590	#21	3/4	2-1/2
1595-REAM-SFC	0.1595		3/4	2-1/2
1600-REAM-SFC	0.1600		3/4	2-1/2
1605-REAM-SFC	0.1605		3/4	2-1/2
1610-REAM-SFC	0.1610	#20	7/8	2-3/4
1615-REAM-SFC	0.1615		7/8	2-3/4
1620-REAM-SFC	0.1620		7/8	2-3/4
1625-REAM-SFC	0.1625		7/8	2-3/4
1630-REAM-SFC	0.1630		7/8	2-3/4
1635-REAM-SFC	0.1635		7/8	2-3/4
1640-REAM-SFC	0.1640		7/8	2-3/4
1645-REAM-SFC	0.1645		7/8	2-3/4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

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 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

4 FLUTE

Part #	Dec	Size	LOC	OAL
1650-REAM-SFC	0.1650		7/8	2-3/4
1655-REAM-SFC	0.1655		7/8	2-3/4
1660-REAM-SFC	0.1660	#19	7/8	2-3/4
1665-REAM-SFC	0.1665		7/8	2-3/4
1670-REAM-SFC	0.1670		7/8	2-3/4
1675-REAM-SFC	0.1675		7/8	2-3/4
1680-REAM-SFC	0.1680		7/8	2-3/4
1685-REAM-SFC	0.1685		7/8	2-3/4
1690-REAM-SFC	0.1690		7/8	2-3/4
1695-REAM-SFC	0.1695	#18	7/8	2-3/4
1700-REAM-SFC	0.1700		7/8	2-3/4
1705-REAM-SFC	0.1705		7/8	2-3/4
1710-REAM-SFC	0.1710		7/8	2-3/4
1715-REAM-SFC	0.1715		7/8	2-3/4
1719-REAM-SFC	0.1719	11/64	7/8	2-3/4
1720-REAM-SFC	0.1720		7/8	2-3/4
1725-REAM-SFC	0.1725		7/8	2-3/4
1730-REAM-SFC	0.1730	#17	7/8	2-3/4
1735-REAM-SFC	0.1735		7/8	2-3/4
1740-REAM-SFC	0.1740		7/8	2-3/4
1745-REAM-SFC	0.1745		7/8	2-3/4
1750-REAM-SFC	0.1750		7/8	2-3/4
1755-REAM-SFC	0.1755		7/8	2-3/4
1760-REAM-SFC	0.1760		7/8	2-3/4
1765-REAM-SFC	0.1765		7/8	2-3/4
1770-REAM-SFC	0.1770	#16	7/8	2-3/4
1772-REAM-SFC	0.1772	4.5mm	22mm	70mm
1775-REAM-SFC	0.1775		7/8	2-3/4
1780-REAM-SFC	0.1780		7/8	2-3/4

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Part #	Dec	Size	LOC	OAL
1785-REAM-SFC	0.1785		7/8	2-3/4
1790-REAM-SFC	0.1790		7/8	2-3/4
1795-REAM-SFC	0.1795		7/8	2-3/4
1800-REAM-SFC	0.1800	#15	7/8	2-3/4
1805-REAM-SFC	0.1805		7/8	2-3/4
1810-REAM-SFC	0.1810		7/8	2-3/4
1814-REAM-SFC	0.1814		7/8	2-3/4
1815-REAM-SFC	0.1815		7/8	2-3/4
1820-REAM-SFC	0.1820	#14	7/8	2-3/4
1825-REAM-SFC	0.1825		7/8	2-3/4
1830-REAM-SFC	0.1830		7/8	2-3/4
1835-REAM-SFC	0.1835		7/8	2-3/4
1840-REAM-SFC	0.1840		7/8	2-3/4
1845-REAM-SFC	0.1845		7/8	2-3/4
1850-REAM-SFC	0.1850	#13	7/8	2-3/4
1855-REAM-SFC	0.1855		7/8	2-3/4
1860-REAM-SFC	0.1860		7/8	2-3/4
1865-REAM-SFC	0.1865		7/8	2-3/4
1867-REAM-SFC	0.1867		7/8	2-3/4
1870-REAM-SFC	0.1870		7/8	2-3/4
1872-REAM-SFC	0.1872		7/8	2-3/4
1875-REAM-SFC	0.1875	3/16	7/8	2-3/4
1877-REAM-SFC	0.1877		7/8	2-3/4
1880-REAM-SFC	0.1880		7/8	2-3/4
1885-REAM-SFC	0.1885		7/8	2-3/4
1890-REAM-SFC	0.1890	#12	7/8	2-3/4
1895-REAM-SFC	0.1895		7/8	2-3/4
1900-REAM-SFC	0.1900		7/8	2-3/4
1905-REAM-SFC	0.1905		7/8	2-3/4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

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Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
1910-REAM-SFC	0.1910	#11	7/8	2-3/4
1915-REAM-SFC	0.1915		7/8	2-3/4
1920-REAM-SFC	0.1920		1	3
1925-REAM-SFC	0.1925		1	3
1930-REAM-SFC	0.1930		1	3
1935-REAM-SFC	0.1935	#10	1	3
1940-REAM-SFC	0.1940		1	3
1945-REAM-SFC	0.1945		1	3
1950-REAM-SFC	0.1950		1	3
1955-REAM-SFC	0.1955		1	3
1960-REAM-SFC	0.1960	#9	1	3
1965-REAM-SFC	0.1965		1	3
1969-REAM-SFC	0.1969	5.0mm	25mm	76mm
1970-REAM-SFC	0.1970		1	3
1975-REAM-SFC	0.1975		1	3
1980-REAM-SFC	0.1980		1	3
1985-REAM-SFC	0.1985		1	3
1990-REAM-SFC	0.1990	#8	1	3
1995-REAM-SFC	0.1995		1	3
2000-REAM-SFC	0.2000		1	3
2005-REAM-SFC	0.2005		1	3
2010-REAM-SFC	0.2010	#7	1	3
2015-REAM-SFC	0.2015		1	3
2020-REAM-SFC	0.2020		1	3
2025-REAM-SFC	0.2025		1	3
2030-REAM-SFC	0.2030		1	3
2031-REAM-SFC	0.2031	13/64	1	3
2035-REAM-SFC	0.2035		1	3
2040-REAM-SFC	0.2040	#6	1	3

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Part #	Dec	Size	LOC	OAL
2045-REAM-SFC	0.2045		1	3
2050-REAM-SFC	0.2050		1	3
2055-REAM-SFC	0.2055	#5	1	3
2060-REAM-SFC	0.2060		1	3
2065-REAM-SFC	0.2065		1	3
2070-REAM-SFC	0.2070		1	3
2075-REAM-SFC	0.2075		1	3
2080-REAM-SFC	0.2080		1	3
2085-REAM-SFC	0.2085		1	3
2090-REAM-SFC	0.2090	#4	1	3
2095-REAM-SFC	0.2095		1	3
2100-REAM-SFC	0.2100		1	3
2105-REAM-SFC	0.2105		1	3
2110-REAM-SFC	0.2110		1	3
2115-REAM-SFC	0.2115		1	3
2120-REAM-SFC	0.2120		1	3
2125-REAM-SFC	0.2125		1	3
2130-REAM-SFC	0.2130	#3	1	3
2135-REAM-SFC	0.2135		1	3
2140-REAM-SFC	0.2140		1	3
2145-REAM-SFC	0.2145		1	3
2150-REAM-SFC	0.2150		1	3
2155-REAM-SFC	0.2155		1	3
2160-REAM-SFC	0.2160		1	3
2165-REAM-SFC	0.2165	5.5mm	25mm	76mm
2170-REAM-SFC	0.2170		1	3
2175-REAM-SFC	0.2175		1	3
2177-REAM-SFC	0.2177		1	3
2180-REAM-SFC	0.2180		1	3

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

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 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
2185-REAM-SFC	0.2185		1	3
2188-REAM-SFC	0.2188	7/32	1	3
2190-REAM-SFC	0.2190		1	3
2195-REAM-SFC	0.2195		1	3
2200-REAM-SFC	0.2200		1	3
2205-REAM-SFC	0.2205		1	3
2210-REAM-SFC	0.2210	#2	1	3
2215-REAM-SFC	0.2215		1	3
2220-REAM-SFC	0.2220		1	3
2225-REAM-SFC	0.2225		1	3
2230-REAM-SFC	0.2230		1	3
2235-REAM-SFC	0.2235		1	3
2240-REAM-SFC	0.2240		1	3
2245-REAM-SFC	0.2245		1	3
2250-REAM-SFC	0.2250		1	3
2255-REAM-SFC	0.2255		1	3
2260-REAM-SFC	0.2260		1	3
2265-REAM-SFC	0.2265		1	3
2270-REAM-SFC	0.2270		1	3
2275-REAM-SFC	0.2275		1	3
2280-REAM-SFC	0.2280	#1	1	3
2285-REAM-SFC	0.2285		1	3
2290-REAM-SFC	0.2290		1	3
2295-REAM-SFC	0.2295		1	3
2300-REAM-SFC	0.2300		1	3
2305-REAM-SFC	0.2305		1	3
2310-REAM-SFC	0.2310		1	3
2315-REAM-SFC	0.2315		1	3
2320-REAM-SFC	0.2320		1	3

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Part #	Dec	Size	LOC	OAL
2325-REAM-SFC	0.2325		1	3
2330-REAM-SFC	0.2330		1	3
2335-REAM-SFC	0.2335		1	3
2340-REAM-SFC	0.2340	A	1	3
2344-REAM-SFC	0.2344	15/64	1	3
2345-REAM-SFC	0.2345		1	3
2350-REAM-SFC	0.2350		1	3
2355-REAM-SFC	0.2355		1	3
2360-REAM-SFC	0.2360		1	3
2362-REAM-SFC	0.2362	6.0mm	25mm	76mm
2365-REAM-SFC	0.2365		1	3
2370-REAM-SFC	0.2370		1	3
2375-REAM-SFC	0.2375		1	3
2380-REAM-SFC	0.2380	B	1	3
2385-REAM-SFC	0.2385		1	3
2390-REAM-SFC	0.2390		1	3
2395-REAM-SFC	0.2395		1	3
2400-REAM-SFC	0.2400		1	3
2405-REAM-SFC	0.2405		1	3
2410-REAM-SFC	0.2410		1	3
2415-REAM-SFC	0.2415		1	3
2420-REAM-SFC	0.2420	C	1	3
2425-REAM-SFC	0.2425		1	3
2430-REAM-SFC	0.2430		1	3
2435-REAM-SFC	0.2435		1	3
2440-REAM-SFC	0.2440		1	3
2445-REAM-SFC	0.2445		1	3
2450-REAM-SFC	0.2450		1	3
2455-REAM-SFC	0.2455		1	3

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
2460-REAM-SFC	0.2460	D	1	3
2465-REAM-SFC	0.2465		1	3
2470-REAM-SFC	0.2470		1	3
2475-REAM-SFC	0.2475		1	3
2480-REAM-SFC	0.2480	D/P	1	3
2485-REAM-SFC	0.2485		1	3
2490-REAM-SFC	0.2490	U/S	1	3
2495-REAM-SFC	0.2495	D/P	1	3
2498-REAM-SFC	0.2498		1	3
2500-REAM-SFC	0.2500	1/4 (E)	1	3
2502-REAM-SFC	0.2502		1	3
2505-REAM-SFC	0.2505		1	3
2510-REAM-SFC	0.2510		1	3
2515-REAM-SFC	0.2515		1	3
2520-REAM-SFC	0.2520		1	3
2525-REAM-SFC	0.2525		1	3
2530-REAM-SFC	0.2530		1	3
2535-REAM-SFC	0.2535		1	3
2540-REAM-SFC	0.2540		1	3
2545-REAM-SFC	0.2545		1	3
2550-REAM-SFC	0.2550		1	3

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2555-REAM-SFC	0.2555		1	3
2559-REAM-SFC	0.2559	6.5mm	29mm	83mm
2560-REAM-SFC	0.2560		1-1/8	3-1/4
2565-REAM-SFC	0.2565		1-1/8	3-1/4
2570-REAM-SFC	0.2570	F	1-1/8	3-1/4
2575-REAM-SFC	0.2575		1-1/8	3-1/4
2580-REAM-SFC	0.2580		1-1/8	3-1/4

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Part #	Dec	Size	LOC	OAL
2590-REAM-SFC	0.2590		1-1/8	3-1/4
2600-REAM-SFC	0.2600		1-1/8	3-1/4
2610-REAM-SFC	0.2610	G	1-1/8	3-1/4
2620-REAM-SFC	0.2620		1-1/8	3-1/4
2630-REAM-SFC	0.2630		1-1/8	3-1/4
2635-REAM-SFC	0.2635		1-1/8	3-1/4
2640-REAM-SFC	0.2640		1-1/8	3-1/4
2650-REAM-SFC	0.2650		1-1/8	3-1/4
2655-REAM-SFC	0.2655		1-1/8	3-1/4
2656-REAM-SFC	0.2656	17/64	1-1/8	3-1/4
2660-REAM-SFC	0.2660	H	1-1/8	3-1/4
2670-REAM-SFC	0.2670		1-1/8	3-1/4
2680-REAM-SFC	0.2680		1-1/8	3-1/4
2685-REAM-SFC	0.2685		1-1/8	3-1/4
2690-REAM-SFC	0.2690		1-1/8	3-1/4
2700-REAM-SFC	0.2700		1-1/8	3-1/4
2710-REAM-SFC	0.2710		1-1/8	3-1/4
2720-REAM-SFC	0.2720	I	1-1/8	3-1/4
2730-REAM-SFC	0.2730		1-1/8	3-1/4
2740-REAM-SFC	0.2740		1-1/8	3-1/4
2750-REAM-SFC	0.2750		1-1/8	3-1/4
2756-REAM-SFC	0.2756	7.0mm	29mm	83mm
2760-REAM-SFC	0.2760		1-1/8	3-1/4
2765-REAM-SFC	0.2765		1-1/8	3-1/4
2770-REAM-SFC	0.2770	J	1-1/8	3-1/4
2780-REAM-SFC	0.2780		1-1/8	3-1/4
2785-REAM-SFC	0.2785		1-1/8	3-1/4
2790-REAM-SFC	0.2790		1-1/8	3-1/4
2800-REAM-SFC	0.2800		1-1/8	3-1/4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,
 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
2805-REAM-SFC	0.2805		1-1/8	3-1/4
2810-REAM-SFC	0.2810	K	1-1/8	3-1/4
2812-REAM-SFC	0.2812	9/32	1-1/8	3-1/4
2818-REAM-SFC	0.2818		1-1/8	3-1/4
2820-REAM-SFC	0.2820		1-1/8	3-1/4
2830-REAM-SFC	0.2830		1-1/8	3-1/4
2840-REAM-SFC	0.2840		1-1/8	3-1/4
2850-REAM-SFC	0.2850		1-1/8	3-1/4
2860-REAM-SFC	0.2860		1-1/8	3-1/4
2870-REAM-SFC	0.2870		1-1/8	3-1/4
2880-REAM-SFC	0.2880		1-1/8	3-1/4
2890-REAM-SFC	0.2890		1-1/8	3-1/4
2900-REAM-SFC	0.2900	L	1-1/8	3-1/4
2910-REAM-SFC	0.2910		1-1/8	3-1/4
2920-REAM-SFC	0.2920		1-1/8	3-1/4
2930-REAM-SFC	0.2930		1-1/8	3-1/4
2940-REAM-SFC	0.2940		1-1/8	3-1/4
2950-REAM-SFC	0.2950	M	1-1/8	3-1/4
2953-REAM-SFC	0.2953	7.5mm	29mm	83mm
2960-REAM-SFC	0.2960		1-1/8	3-1/4
2969-REAM-SFC	0.2969	19/64	1-1/8	3-1/4
2970-REAM-SFC	0.2970		1-1/8	3-1/4
2980-REAM-SFC	0.2980		1-1/8	3-1/4
2990-REAM-SFC	0.2990		1-1/8	3-1/4
3000-REAM-SFC	0.3000		1-1/8	3-1/4
3010-REAM-SFC	0.3010		1-1/8	3-1/4
3020-REAM-SFC	0.3020	N	1-1/8	3-1/4
3030-REAM-SFC	0.3030		1-1/8	3-1/4
3040-REAM-SFC	0.3040		1-1/8	3-1/4

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Part #	Dec	Size	LOC	OAL
3050-REAM-SFC	0.3050		1-1/8	3-1/4
3060-REAM-SFC	0.3060		1-1/8	3-1/4
3070-REAM-SFC	0.3070		1-1/8	3-1/4
3080-REAM-SFC	0.3080		1-1/8	3-1/4
3090-REAM-SFC	0.3090		1-1/8	3-1/4
3100-REAM-SFC	0.3100		1-1/8	3-1/4
3105-REAM-SFC	0.3105		1-1/8	3-1/4
3110-REAM-SFC	0.3110		1-1/8	3-1/4
3115-REAM-SFC	0.3115		1-1/8	3-1/4
3120-REAM-SFC	0.3120		1-1/8	3-1/4
3125-REAM-SFC	0.3125	5/16	1-1/8	3-1/4
3130-REAM-SFC	0.3130		1-1/8	3-1/4
3135-REAM-SFC	0.3135		1-1/8	3-1/4
3140-REAM-SFC	0.3140		1-1/8	3-1/4
3145-REAM-SFC	0.3145		1-1/8	3-1/4
3150-REAM-SFC	0.3150	8.0mm	29mm	83mm
3155-REAM-SFC	0.3155		1-1/8	3-1/4
3160-REAM-SFC	0.3160	O	1-1/8	3-1/4
3165-REAM-SFC	0.3165		1-1/8	3-1/4
3170-REAM-SFC	0.3170		1-1/4	3-1/2
3175-REAM-SFC	0.3175		1-1/4	3-1/2
3177-REAM-SFC	0.3177		1-1/4	3-1/2
3180-REAM-SFC	0.3180		1-1/4	3-1/2
3185-REAM-SFC	0.3185		1-1/4	3-1/2
3190-REAM-SFC	0.3190		1-1/4	3-1/2
3195-REAM-SFC	0.3195		1-1/4	3-1/2
3200-REAM-SFC	0.3200		1-1/4	3-1/2
3210-REAM-SFC	0.3210		1-1/4	3-1/2
3220-REAM-SFC	0.3220		1-1/4	3-1/2

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,
 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
3230-REAM-SFC	0.3230	P	1-1/4	3-1/2
3240-REAM-SFC	0.3240		1-1/4	3-1/2
3250-REAM-SFC	0.3250		1-1/4	3-1/2
3255-REAM-SFC	0.3255		1-1/4	3-1/2
3260-REAM-SFC	0.3260		1-1/4	3-1/2
3270-REAM-SFC	0.3270		1-1/4	3-1/2
3280-REAM-SFC	0.3280		1-1/4	3-1/2
3281-REAM-SFC	0.3281	21/64	1-1/4	3-1/2
3290-REAM-SFC	0.3290		1-1/4	3-1/2
3300-REAM-SFC	0.3300		1-1/4	3-1/2
3310-REAM-SFC	0.3310		1-1/4	3-1/2
3320-REAM-SFC	0.3320	Q	1-1/4	3-1/2
3330-REAM-SFC	0.3330		1-1/4	3-1/2
3340-REAM-SFC	0.3340		1-1/4	3-1/2
3346-REAM-SFC	0.3346	8.5mm	32mm	89mm
3350-REAM-SFC	0.3350		1-1/4	3-1/2
3360-REAM-SFC	0.3360		1-1/4	3-1/2
3365-REAM-SFC	0.3365		1-1/4	3-1/2
3370-REAM-SFC	0.3370		1-1/4	3-1/2
3380-REAM-SFC	0.3380		1-1/4	3-1/2
3390-REAM-SFC	0.3390	R	1-1/4	3-1/2
3400-REAM-SFC	0.3400		1-1/4	3-1/2
3410-REAM-SFC	0.3410		1-1/4	3-1/2
3420-REAM-SFC	0.3420		1-1/4	3-1/2
3430-REAM-SFC	0.3430		1-1/4	3-1/2
3438-REAM-SFC	0.3438	11/32	1-1/4	3-1/2
3440-REAM-SFC	0.3440		1-1/4	3-1/2
3450-REAM-SFC	0.3450		1-1/4	3-1/2
3460-REAM-SFC	0.3460		1-1/4	3-1/2

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Part #	Dec	Size	LOC	OAL
3465-REAM-SFC	0.3465		1-1/4	3-1/2
3470-REAM-SFC	0.3470		1-1/4	3-1/2
3480-REAM-SFC	0.3480	S	1-1/4	3-1/2
3490-REAM-SFC	0.3490		1-1/4	3-1/2
3500-REAM-SFC	0.3500		1-1/4	3-1/2
3510-REAM-SFC	0.3510		1-1/4	3-1/2
3520-REAM-SFC	0.3520		1-1/4	3-1/2
3530-REAM-SFC	0.3530		1-1/4	3-1/2
3540-REAM-SFC	0.3540		1-1/4	3-1/2
3543-REAM-SFC	0.3543	9.0mm	32mm	89mm
3550-REAM-SFC	0.3550		1-1/4	3-1/2
3560-REAM-SFC	0.3560		1-1/4	3-1/2
3570-REAM-SFC	0.3570		1-1/4	3-1/2
3580-REAM-SFC	0.3580	T	1-1/4	3-1/2
3590-REAM-SFC	0.3590		1-1/4	3-1/2
3594-REAM-SFC	0.3594	23/64	1-1/4	3-1/2
3600-REAM-SFC	0.3600		1-1/4	3-1/2
3610-REAM-SFC	0.3610		1-1/4	3-1/2
3620-REAM-SFC	0.3620		1-1/4	3-1/2
3630-REAM-SFC	0.3630		1-1/4	3-1/2
3640-REAM-SFC	0.3640		1-1/4	3-1/2
3650-REAM-SFC	0.3650		1-1/4	3-1/2
3660-REAM-SFC	0.3660		1-1/4	3-1/2
3670-REAM-SFC	0.3670		1-1/4	3-1/2
3675-REAM-SFC	0.3675		1-1/4	3-1/2
3680-REAM-SFC	0.3680	U	1-1/4	3-1/2
3690-REAM-SFC	0.3690		1-1/4	3-1/2
3700-REAM-SFC	0.3700		1-1/4	3-1/2
3710-REAM-SFC	0.3710		1-1/4	3-1/2

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,
 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
3720-REAM-SFC	0.3720		1-1/4	3-1/2
3730-REAM-SFC	0.3730		1-1/4	3-1/2
3735-REAM-SFC	0.3735		1-1/4	3-1/2
3740-REAM-SFC	0.3740	9.5mm	32mm	89mm
3745-REAM-SFC	0.3745		1-1/4	3-1/2
3750-REAM-SFC	0.3750	3/8	1-1/4	3-1/2
3755-REAM-SFC	0.3755		1-1/4	3-1/2
3760-REAM-SFC	0.3760	O/S	1-1/4	3-1/2
3765-REAM-SFC	0.3765		1-1/4	3-1/2
3770-REAM-SFC	0.3770	V	1-1/4	3-1/2
3780-REAM-SFC	0.3780		1-1/4	3-1/2
3790-REAM-SFC	0.3790		1-1/4	3-1/2
3795-REAM-SFC	0.3795		1-1/4	3-1/2
3800-REAM-SFC	0.3800		1-1/4	3-1/2
3810-REAM-SFC	0.3810		1-1/4	3-1/2
3820-REAM-SFC	0.3820		1-1/4	3-1/2
3830-REAM-SFC	0.3830		1-1/4	3-1/2
3840-REAM-SFC	0.3840		1-1/4	3-1/2
3850-REAM-SFC	0.3850		1-1/4	3-1/2
3860-REAM-SFC	0.3860	W	1-1/4	3-1/2
3870-REAM-SFC	0.3870		1-1/4	3-1/2
3880-REAM-SFC	0.3880		1-1/4	3-1/2
3890-REAM-SFC	0.3890		1-1/4	3-1/2
3900-REAM-SFC	0.3900		1-1/4	3-1/2
3906-REAM-SFC	0.3906	25/64	1-1/4	3-1/2
3910-REAM-SFC	0.3910		1-1/4	3-1/2
3920-REAM-SFC	0.3920		1-1/4	3-1/2
3930-REAM-SFC	0.3930		1-1/4	3-1/2
3937-REAM-SFC	0.3937	10.0mm	32mm	89mm

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Part #	Dec	Size	LOC	OAL
3940-REAM-SFC	0.3940		1-1/4	3-1/2
3950-REAM-SFC	0.3950		1-1/4	3-1/2
3960-REAM-SFC	0.3960		1-1/4	3-1/2
3970-REAM-SFC	0.3970	X	1-1/4	3-1/2
3980-REAM-SFC	0.3980		1-1/4	3-1/2
3990-REAM-SFC	0.3990		1-1/4	3-1/2
4000-REAM-SFC	0.4000		1-1/4	3-1/2
4010-REAM-SFC	0.4010		1-1/4	3-1/2
4020-REAM-SFC	0.4020		1-1/4	3-1/2
4030-REAM-SFC	0.4030		1-1/4	3-1/2
4040-REAM-SFC	0.4040	Y	1-1/4	3-1/2
4050-REAM-SFC	0.4050		1-1/4	3-1/2
4060-REAM-SFC	0.4060		1-1/4	3-1/2
4062-REAM-SFC	0.4062	13/32	1-1/4	3-1/2
4070-REAM-SFC	0.4070		1-1/4	3-1/2
4080-REAM-SFC	0.4080		1-1/4	3-1/2
4090-REAM-SFC	0.4090		1-1/4	3-1/2
4100-REAM-SFC	0.4100		1-1/4	3-1/2
4110-REAM-SFC	0.4110		1-1/4	3-1/2
4120-REAM-SFC	0.4120		1-1/4	3-1/2
4130-REAM-SFC	0.4130	Z	1-1/4	3-1/2
4134-REAM-SFC	0.4134	10.5mm	32mm	89mm
4140-REAM-SFC	0.4140		1-1/4	3-1/2
4150-REAM-SFC	0.4150		1-1/4	3-1/2
4160-REAM-SFC	0.4160		1-1/4	3-1/2
4170-REAM-SFC	0.4170		1-3/8	4
4180-REAM-SFC	0.4180		1-3/8	4
4190-REAM-SFC	0.4190		1-3/8	4
4200-REAM-SFC	0.4200		1-3/8	4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,
 Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

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Part #	Dec	Size	LOC	OAL
4210-REAM-SFC	0.4210		1-3/8	4
4219-REAM-SFC	0.4219	27/64	1-3/8	4
4230-REAM-SFC	0.4230		1-3/8	4
4240-REAM-SFC	0.4240		1-3/8	4
4250-REAM-SFC	0.4250		1-3/8	4
4260-REAM-SFC	0.4260		1-3/8	4
4270-REAM-SFC	0.4270		1-3/8	4
4280-REAM-SFC	0.4280		1-3/8	4
4290-REAM-SFC	0.4290		1-3/8	4
4300-REAM-SFC	0.4300		1-3/8	4
4310-REAM-SFC	0.4310		1-3/8	4
4320-REAM-SFC	0.4320		1-3/8	4
4330-REAM-SFC	0.4330		1-3/8	4
4331-REAM-SFC	0.4331	11.0mm	35mm	102mm
4340-REAM-SFC	0.4340		1-3/8	4
4350-REAM-SFC	0.4350		1-3/8	4
4355-REAM-SFC	0.4355		1-3/8	4
4360-REAM-SFC	0.4360		1-3/8	4
4365-REAM-SFC	0.4365		1-3/8	4
4370-REAM-SFC	0.4370		1-3/8	4
4375-REAM-SFC	0.4375	7/16	1-3/8	4
4380-REAM-SFC	0.4380		1-3/8	4
4385-REAM-SFC	0.4385		1-3/8	4
4390-REAM-SFC	0.4390		1-3/8	4
4400-REAM-SFC	0.4400		1-3/8	4
4410-REAM-SFC	0.4410		1-3/8	4
4420-REAM-SFC	0.4420		1-3/8	4
4430-REAM-SFC	0.4430		1-3/8	4
4440-REAM-SFC	0.4440		1-3/8	4

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Part #	Dec	Size	LOC	OAL
4450-REAM-SFC	0.4450		1-3/8	4
4460-REAM-SFC	0.4460		1-3/8	4
4470-REAM-SFC	0.4470		1-3/8	4
4480-REAM-SFC	0.4480		1-3/8	4
4490-REAM-SFC	0.4490		1-3/8	4
4500-REAM-SFC	0.4500		1-3/8	4
4510-REAM-SFC	0.4510		1-3/8	4
4520-REAM-SFC	0.4520		1-3/8	4
4528-REAM-SFC	0.4528	11.5mm	35mm	102mm
4530-REAM-SFC	0.4530		1-3/8	4
4531-REAM-SFC	0.4531	29/64	1-3/8	4
4540-REAM-SFC	0.4540		1-3/8	4
4550-REAM-SFC	0.4550		1-3/8	4
4560-REAM-SFC	0.4560		1-3/8	4
4570-REAM-SFC	0.4570		1-3/8	4
4580-REAM-SFC	0.4580		1-3/8	4
4590-REAM-SFC	0.4590		1-3/8	4
4600-REAM-SFC	0.4600		1-3/8	4
4610-REAM-SFC	0.4610		1-3/8	4
4620-REAM-SFC	0.4620		1-3/8	4
4630-REAM-SFC	0.4630		1-3/8	4
4640-REAM-SFC	0.4640		1-3/8	4
4650-REAM-SFC	0.4650		1-3/8	4
4660-REAM-SFC	0.4660		1-3/8	4
4670-REAM-SFC	0.4670		1-3/8	4
4680-REAM-SFC	0.4680		1-3/8	4
4688-REAM-SFC	0.4688	15/32	1-3/8	4
4690-REAM-SFC	0.4690		1-3/8	4
4700-REAM-SFC	0.4700		1-3/8	4

CARBIDE CHUCKING REAMER



STRAIGHT FLUTE SOLID CARBIDE CHUCKING REAMER

Premium American sub-micron grain solid carbide, 45 degree chamfer,

Diameter tolerance: 0.0300 - 0.2500 = +0.0000/+0.0002 , 0.2501 and up = +0.0000/+0.0003

6 FLUTE

Part #	Dec	Size	LOC	OAL
4710-REAM-SFC	0.4710		1-3/8	4
4720-REAM-SFC	0.4720		1-3/8	4
4724-REAM-SFC	0.4724	12.0mm	35mm	102mm
4730-REAM-SFC	0.4730		1-3/8	4
4740-REAM-SFC	0.4740		1-3/8	4
4750-REAM-SFC	0.4750		1-3/8	4
4760-REAM-SFC	0.4760		1-3/8	4
4770-REAM-SFC	0.4770		1-3/8	4
4780-REAM-SFC	0.4780		1-3/8	4
4790-REAM-SFC	0.4790		1-1/2	4
4800-REAM-SFC	0.4800		1-1/2	4
4810-REAM-SFC	0.4810		1-1/2	4
4820-REAM-SFC	0.4820		1-1/2	4
4830-REAM-SFC	0.4830		1-1/2	4
4840-REAM-SFC	0.4840		1-1/2	4
4844-REAM-SFC	0.4844	31/64	1-1/2	4
4850-REAM-SFC	0.4850		1-1/2	4
4860-REAM-SFC	0.4860		1-1/2	4
4870-REAM-SFC	0.4870		1-1/2	4
4880-REAM-SFC	0.4880		1-1/2	4
4890-REAM-SFC	0.4890		1-1/2	4
4900-REAM-SFC	0.4900		1-1/2	4
4910-REAM-SFC	0.4910		1-1/2	4
4921-REAM-SFC	0.4921	12.5mm	38mm	102mm
4930-REAM-SFC	0.4930		1-1/2	4
4940-REAM-SFC	0.4940		1-1/2	4
4950-REAM-SFC	0.4950		1-1/2	4
4960-REAM-SFC	0.4960		1-1/2	4
4970-REAM-SFC	0.4970		1-1/2	4

6 FLUTE

Part #	Dec	Size	LOC	OAL
4980-REAM-SFC	0.4980		1-1/2	4
4990-REAM-SFC	0.4990		1-1/2	4
4995-REAM-SFC	0.4995		1-1/2	4
5000-REAM-SFC	0.5000	1/2	1-1/2	4
5005-REAM-SFC	0.5005		1-1/2	4
5010-REAM-SFC	0.5010		1-1/2	4
5015-REAM-SFC	0.5015		1-1/2	4
5020-REAM-SFC	0.5020		1-1/2	4
5030-REAM-SFC	0.5030		1-1/2	4
5040-REAM-SFC	0.5040		1-1/2	4
5050-REAM-SFC	0.5050		1-1/2	4
5118-REAM-SFC	0.5118	13.0mm	38mm	102mm
5512-REAM-SFC	0.5512	14.0mm	38mm	102mm
5625-REAM-SFC	0.5625	9/16	1-1/2	4
5905-REAM-SFC	0.5905	15.0mm	44mm	102mm
6235-REAM-SFC	0.6235		1-3/4	4
6240-REAM-SFC	0.6240		1-3/4	4
6245-REAM-SFC	0.6245		1-3/4	4
6250-REAM-SFC	0.6250	5/8	1-3/4	4
6255-REAM-SFC	0.6255		1-3/4	4
6260-REAM-SFC	0.6260		1-3/4	4
6270-REAM-SFC	0.6270		1-3/4	4
6299-REAM-SFC	0.6299	16.0mm	44mm	102mm
6310-REAM-SFC	0.6310		1-3/4	4
7490-REAM-SFC	0.7490		1-3/4	4
7495-REAM-SFC	0.7495		1-3/4	4
7500-REAM-SFC	0.7500	3/4	1-3/4	4
7505-REAM-SFC	0.7505		1-3/4	4
7510-REAM-SFC	0.7510		1-3/4	4

SOLID CARBIDE STRAIGHT FLUTE CHUCKING REAMER TECHNICAL

MATERIAL	SFM	REAMER FEED RATE IPR = INCHES PER REVOLUTION (IPR X RPM = IPM)						
		1/32 IPR	1/16 IPR	1/8 IPR	1/4 IPR	3/8 IPR	1/2 IPR	3/4 IPR
Aluminum	500-900	.0005-.0020	.0008-.0040	.0020-.0080	.0050-.0120	.0060-.0160	.0060-.0220	.0070-.0320
Aluminum > 10%	300-700	.0004-.0016	.0006-.0035	.0016-.0070	.0045-.0110	.0050-.0140	.0060-.0200	.0070-.0300
Brass	250-350	.0004-.0016	.0006-.0035	.0016-.0070	.0045-.0110	.0050-.0140	.0060-.0200	.0070-.0300
Bronze	150-250	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Cast Irons								
(Soft)	150-250	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
(Medium)	75-150	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
(Ductile)	120-200	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
(Malleable)	120-200	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
Copper	80-150	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Magnesium	300-800	.0004-.0016	.0006-.0035	.0016-.0070	.0045-.0110	.0050-.0140	.0060-.0200	.0070-.0300
Monel & High Nickel Steel	30-80	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Plastics	300-850	.0004-.0016	.0006-.0035	.0016-.0070	.0045-.0110	.0050-.0140	.0060-.0200	.0070-.0300
Stainless Stl (Soft)	120-200	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
Stainless Stl (Hard)	40-130	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Steels								
Low Carbon	150-300	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
Med Carbon	80-160	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
High Tensile (35-40 Rc)	40-120	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
High Tensile (40-45 Rc)	30-70	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
High Tensile (46 Rc+)	15-40	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Mold Steel	30-50	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210
Tool Steel	40-160	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
Titanium								
Soft	40-150	.0004-.0016	.0006-.0030	.0016-.0060	.0040-.0100	.0045-.0120	.0060-.0180	.0070-.0280
Hard	30-0	.0003-.0012	.0005-.0024	.0012-.0048	.0030-.0075	.0035-.0090	.0048-.0125	.0006-.0210

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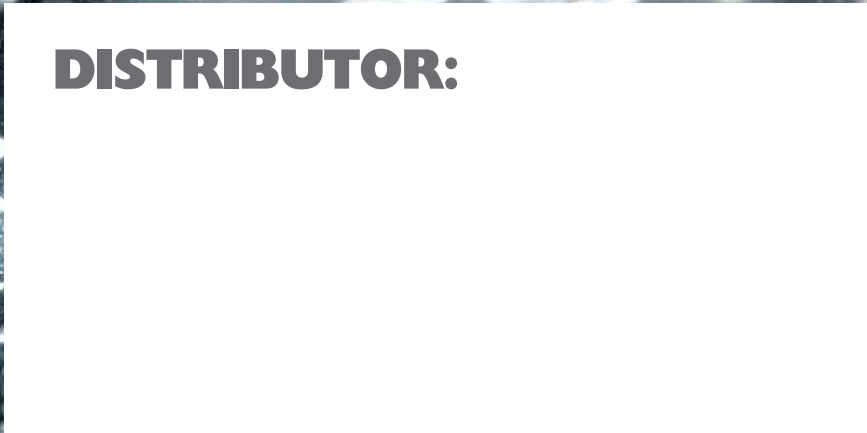
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