

Screw Machine Length Drills

High Speed Steel - 118° Point
General Purpose
Bright Finish or TiN Coated

Developed primarily for use in screw machines, these short length drills provide maximum rigidity resulting in increased hole accuracy and extended tool life. Recommended for drilling a wide variety of materials including non-ferrous materials and low tensile strength steels.

SHANK DIAMETERS	Drill Size	Shank Diameter
	Up to 1"	Same as drill dia.
	Over 1" to 1¼"	1"
	Over 1¼" to 1½"	1¼"
	Over 1½"	1½"

Foret série extra-courte

Broca extra corta



List No. 1435 Fractional

List No. 1436 Letter

List No. 1437 Wire Gage

List No. 1435G Fractional - TiN Coated

List No. 1437G Wire Gage - TiN Coated

STANDARD PACKAGE **Fractional Sizes**
 1/16" thru 3/8" — 12 each
 25/64" thru 1/2" — 6 each
 All other sizes — 1 each

Letter Sizes **Wire Gages**
 A thru V — 12 each #1 thru #60 — 12 each
 W thru Z — 6 each

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

SIZE	FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	BRIGHT EDP NO.	TIN COAT EDP NO.
		60	.0400	½	1⅜	15101	—
		59	.0410	½	1⅜	15102	—
		58	.0420	½	1⅜	15103	—
		57	.0430	½	1⅜	15104	—
		56	.0465	½	1⅜	15105	—
		55	.0520	⅝	1⅝	15107	—
		54	.0550	⅝	1⅝	15108	—
		53	.0595	⅝	1⅝	15109	—
1/16			.0625	⅝	1⅝	15110	95110
		52	.0635	11/16	111/16	15111	—
		51	.0670	11/16	111/16	15112	—
		50	.0700	11/16	111/16	15113	—
		49	.0730	11/16	111/16	15114	—
		48	.0760	11/16	111/16	15115	—
5/64			.0781	11/16	111/16	15116	95116
		47	.0785	¾	1¾	15117	—
		46	.0810	¾	1¾	15118	—
		45	.0820	¾	1¾	15119	—
		44	.0860	¾	1¾	15120	—
		43	.0890	¾	1¾	15121	—
		42	.0935	¾	1¾	15122	—
3/32			.0937	¾	1¾	15123	95123
			.0960	13/16	113/16	15124	—
		41	.0960	13/16	113/16	15125	95125
		40	.0980	13/16	113/16	15126	95126
		39	.0995	13/16	113/16	15127	95127
		38	.1015	13/16	113/16	15128	95128
		37	.1040	13/16	113/16	15129	95129
		36	.1065	13/16	113/16	15130	95130
7/64			.1094	13/16	113/16	15131	95131
		35	.1100	7/8	17/8	15132	95132
		34	.1110	7/8	17/8	15133	95133
		33	.1130	7/8	17/8	15134	95134
		32	.1160	7/8	17/8	15135	95135
		31	.1200	7/8	17/8	15136	95136
1/8			.1250	7/8	17/8	15137	95137
		30	.1285	15/16	115/16	15138	95138
		29	.1360	15/16	115/16	15139	95139
		28	.1405	15/16	115/16	15140	95140
9/64			.1406	15/16	115/16	15141	95141
		27	.1440	1	21/16	15142	95142
		26	.1470	1	21/16	15143	95143
		25	.1495	1	21/16	15144	95144

(continued)

Screw Machine Length Drills (continued)

List Nos. 1435, 1436

Foret série extra-courte

Broca extra corta

FRAC-TIONAL	SIZE		WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	BRIGHT	TIN COAT
	LETTER						EDP NO.	EDP NO.
5/32			24	.1520	1	2 1/16	15144	95144
			23	.1540	1	2 1/16	15145	95145
				.1562	1	2 1/16	15146	95146
			22	.1570	1 1/16	2 1/8	15147	95147
			21	.1590	1 1/16	2 1/8	15148	95148
1 1/64			20	.1610	1 1/16	2 1/8	15149	95149
			19	.1660	1 1/16	2 1/8	15150	95150
			18	.1695	1 1/16	2 1/8	15151	95151
				.1719	1 1/16	2 1/8	15152	95152
			17	.1730	1 1/8	2 3/16	15153	95153
3/16			16	.1770	1 1/8	2 3/16	15154	95154
			15	.1800	1 1/8	2 3/16	15155	95155
			14	.1820	1 1/8	2 3/16	15156	95156
			13	.1850	1 1/8	2 3/16	15157	95157
				.1875	1 1/8	2 3/16	15158	95158
1 3/64			12	.1890	1 3/16	2 1/4	15159	95159
			11	.1910	1 3/16	2 1/4	15160	95160
			10	.1935	1 3/16	2 1/4	15161	95161
			9	.1960	1 3/16	2 1/4	15162	95162
			8	.1990	1 3/16	2 1/4	15163	95163
			7	.2010	1 3/16	2 1/4	15164	95164
				.2031	1 3/16	2 1/4	15165	95165
7/32			6	.2040	1 1/4	2 3/8	15166	95166
			5	.2055	1 1/4	2 3/8	15167	95167
			4	.2090	1 1/4	2 3/8	15168	95168
			3	.2130	1 1/4	2 3/8	15169	95169
				.2187	1 1/4	2 3/8	15170	95170
1 5/64			2	.2210	1 5/16	2 7/16	15171	95171
			1	.2280	1 5/16	2 7/16	15172	95172
		A		.2340	1 5/16	2 7/16	15173	—
				.2344	1 5/16	2 7/16	15174	95174
		B		.2380	1 3/8	2 1/2	15175	—
		C		.2420	1 3/8	2 1/2	15176	—
		D		.2460	1 3/8	2 1/2	15177	—
1/4		E		.2500	1 3/8	2 1/2	15178	95178
		F		.2570	1 7/16	2 5/8	15180	—
		G		.2610	1 7/16	2 5/8	15181	—
1 7/64				.2656	1 7/16	2 5/8	15182	95182
		H		.2660	1 1/2	2 11/16	15183	—
		I		.2720	1 1/2	2 11/16	15184	—
9/32		J		.2770	1 1/2	2 11/16	15185	—
		K		.2810	1 1/2	2 11/16	15186	—
				.2812	1 1/2	2 11/16	15187	95187
		L		.2900	1 9/16	2 3/4	15188	—
		M		.2950	1 9/16	2 3/4	15189	—
1 9/64				.2969	1 9/16	2 3/4	15190	95190
		N		.3020	1 5/8	2 13/16	15191	—
5/16				.3125	1 5/8	2 13/16	15192	95192
		O		.3160	1 11/16	2 15/16	15193	—
		P		.3230	1 11/16	2 15/16	15194	—
2 1/64				.3281	1 11/16	2 15/16	15195	95195
		Q		.3320	1 11/16	3	15196	—
		R		.3390	1 11/16	3	15197	—
1 1/32				.3437	1 11/16	3	15198	95198
		S		.3480	1 3/4	3 1/16	15199	—
2 3/64		T		.3580	1 3/4	3 1/16	15200	—
				.3594	1 3/4	3 1/16	15201	95201
		U		.3680	1 13/16	3 1/8	15202	—
3/8				.3750	1 13/16	3 1/8	15203	95203
		V		.3770	1 7/8	3 1/4	15204	—
2 5/64		W		.3860	1 7/8	3 1/4	15205	—
				.3906	1 7/8	3 1/4	15206	95206

(continued)

Screw Machine Length Drills (continued)

List Nos. 1435, 1436

Foret série extra-courte

Broca extra corta

FRAC- TIONAL	SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	BRIGHT EDP NO.	TIN COAT EDP NO.
	LETTER						
13/32	X		.3970	1 ¹⁵ / ₁₆	3 ⁵ / ₁₆	15207	—
	Y		.4040	1 ¹⁵ / ₁₆	3 ⁵ / ₁₆	15208	—
	Z		.4062	1 ¹⁵ / ₁₆	3 ⁵ / ₁₆	15209	95209
			.4130	2	3 ³ / ₈	15210	—
27/64		.4219		2	3 ³ / ₈	15211	95211
7/16		.4375		2 ¹ / ₁₆	3 ⁷ / ₁₆	15212	95212
29/64		.4531		2 ¹ / ₈	3 ⁹ / ₁₆	15213	95213
15/32		.4687		2 ¹ / ₈	3 ⁵ / ₈	15214	95214
31/64		.4844		2 ³ / ₁₆	3 ¹¹ / ₁₆	15215	95215
1/2		.5000		2 ¹ / ₄	3 ³ / ₄	15216	95216
33/64		.5156		2 ³ / ₈	3 ⁷ / ₈	15217	—
17/32		.5313		2 ³ / ₈	3 ⁷ / ₈	15218	—
35/64		.5469		2 ¹ / ₂	4	15219	—
9/16		.5625		2 ¹ / ₂	4	15220	—
37/64		.5781		2 ⁵ / ₈	4 ¹ / ₈	15221	—
19/32		.5938		2 ⁵ / ₈	4 ¹ / ₈	15222	—
39/64		.6094		2 ³ / ₄	4 ¹ / ₄	15223	—
5/8		.6250		2 ³ / ₄	4 ¹ / ₄	15224	—
41/64		.6406		2 ⁷ / ₈	4 ¹ / ₂	15225	—
21/32		.6562		2 ⁷ / ₈	4 ¹ / ₂	15226	—
43/64		.6719		2 ⁷ / ₈	4 ⁵ / ₈	15227	—
11/16		.6875		2 ⁷ / ₈	4 ⁵ / ₈	15228	—
45/64		.7031		3	4 ³ / ₄	15229	—
23/32		.7188		3	4 ³ / ₄	15230	—
47/64		.7344		3 ¹ / ₈	5	15231	—
3/4		.7500		3 ¹ / ₈	5	15232	—
49/64		.7657		3 ¹ / ₄	5 ¹ / ₈	15233	—
25/32		.7812		3 ¹ / ₄	5 ¹ / ₈	15234	—
51/64		.7969		3 ³ / ₈	5 ¹ / ₄	15235	—
13/16		.8125		3 ³ / ₈	5 ¹ / ₄	15236	—
53/64		.8281		3 ¹ / ₂	5 ³ / ₈	15237	—
27/32		.8438		3 ¹ / ₂	5 ³ / ₈	15238	—
55/64		.8594		3 ¹ / ₂	5 ¹ / ₂	15239	—
7/8		.8750		3 ¹ / ₂	5 ¹ / ₂	15240	—
57/64		.8906		3 ⁵ / ₈	5 ⁵ / ₈	15241	—
29/32		.9062		3 ⁵ / ₈	5 ⁵ / ₈	15242	—
59/64		.9219		3 ³ / ₄	5 ³ / ₄	15243	—
15/16		.9375		3 ³ / ₄	5 ³ / ₄	15244	—
61/64		.9531		3 ⁷ / ₈	5 ⁷ / ₈	15245	—
31/32		.9688		3 ⁷ / ₈	5 ⁷ / ₈	15246	—
63/64		.9844		4	6	15247	—
1		1.0000		4	6	15248	—
1 ¹ / ₁₆		1.0625		4	6 ¹ / ₄	15249	—
1 ¹ / ₈		1.1250		4	6 ³ / ₈	15250	—
1 ³ / ₁₆		1.1875		4 ¹ / ₄	6 ⁵ / ₈	15251	—
1 ¹ / ₄		1.2500		4 ³ / ₈	6 ³ / ₄	15252	—
1 ⁵ / ₁₆		1.3125		4 ³ / ₈	7	15253	—
1 ³ / ₈		1.3750		4 ¹ / ₂	7 ¹ / ₈	15254	—
1 ⁷ / ₁₆		1.4375		4 ³ / ₄	7 ³ / ₈	15255	—
1 ¹ / ₂		1.5000		4 ⁷ / ₈	7 ¹ / ₂	15256	—
1 ⁹ / ₁₆		1.5625		4 ⁷ / ₈	7 ³ / ₄	15257	—
1 ⁵ / ₈		1.6250		4 ⁷ / ₈	7 ³ / ₄	15258	—
1 ¹¹ / ₁₆		1.6875		5 ¹ / ₈	8	15259	—
1 ³ / ₄		1.7500		5 ¹ / ₈	8	15260	—
1 ¹³ / ₁₆		1.8125		5 ³ / ₈	8 ¹ / ₄	15261	—
1 ⁷ / ₈		1.8750		5 ³ / ₈	8 ¹ / ₄	15262	—
1 ¹⁵ / ₁₆		1.9375		5 ⁵ / ₈	8 ¹ / ₂	15263	—
2		2.0000		5 ⁵ / ₈	8 ¹ / ₂	15264	—

Aircraft Type C Heavy Duty Screw Machine Length Drills

Straight Shank – High Speed Steel
135° Split Point – Treated (Black Oxide)
Heavy Duty

Heavy duty construction. 135° self-centering split point eliminates "walking" and reduces thrust. Short length provides maximum rigidity for increased hole accuracy and extended tool life. Recommended for drilling a wide range of low to medium tensile strength materials.

Foret série extra-courte

Broca extra corta



List No. 1398
NAS-907, Type C

STANDARD PACKAGE Fractional Sizes
3/64" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Letter Sizes
A - V — 12 each
W - Z — 6 each

Wire Gage Sizes
#1 thru #60 — 12 each

Sizes #53 and smaller furnished with 135° regular point

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	WIRE GAGE				
	60	.0400	1/2	1 3/8	14880
	59	.0410	1/2	1 3/8	14881
	58	.0420	1/2	1 3/8	14882
	57	.0430	1/2	1 3/8	14883
	56	.0465	1/2	1 3/8	14884
3/64		.0469	1/2	1 3/8	14901
	55	.0520	5/8	1 5/8	14885
	54	.0550	5/8	1 5/8	14886
	53	.0595	5/8	1 5/8	14887
1/16		.0625	5/8	1 5/8	14902
	52	.0635	11/16	1 11/16	14888
	51	.0670	11/16	1 11/16	14889
	50	.0700	11/16	1 11/16	14890
	49	.0730	11/16	1 11/16	14891
	48	.0760	11/16	1 11/16	14892
5/64		.0781	11/16	1 11/16	14903
	47	.0785	11/16	1 11/16	14893
	46	.0810	3/4	1 3/4	14894
	45	.0820	3/4	1 3/4	14895
	44	.0860	3/4	1 3/4	14896
	43	.0890	3/4	1 3/4	14897
	42	.0935	3/4	1 3/4	14898
3/32		.0937	3/4	1 3/4	14904
	41	.0960	13/16	1 13/16	14899
	40	.0980	13/16	1 13/16	14905
	39	.0995	13/16	1 13/16	14906
	38	.1015	13/16	1 13/16	14907
	37	.1040	13/16	1 13/16	14908
	36	.1065	13/16	1 13/16	14909
7/64		.1094	13/16	1 13/16	14910
	35	.1100	7/8	1 7/8	14911
	34	.1110	7/8	1 7/8	14912
	33	.1130	7/8	1 7/8	14913
	32	.1160	7/8	1 7/8	14914
	31	.1200	7/8	1 7/8	14915
1/8		.1250	7/8	1 7/8	14916
	30	.1285	15/16	1 15/16	14917
	29	.1360	15/16	1 15/16	14918
	28	.1405	15/16	1 15/16	14919
9/64		.1406	15/16	1 15/16	14920
	27	.1440	1	2 1/16	14921
	26	.1470	1	2 1/16	14922
	25	.1495	1	2 1/16	14923
	24	.1520	1	2 1/16	14924
	23	.1540	1	2 1/16	14925

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
5/32		.1562	1	2 1/16	14926
		.1570	1 1/16	2 1/8	14927
		.1590	1 1/16	2 1/8	14928
		.1610	1 1/16	2 1/8	14929
		.1660	1 1/16	2 1/8	14930
		.1695	1 1/16	2 1/8	14931
11/64		.1719	1 1/16	2 1/8	14932
		.1730	1 1/8	2 3/16	14933
		.1770	1 1/8	2 3/16	14934
		.1800	1 1/8	2 3/16	14935
		.1820	1 1/8	2 3/16	14936
		.1850	1 1/8	2 3/16	14937
3/16		.1875	1 1/8	2 3/16	14938
		.1890	1 3/16	2 1/4	14939
		.1910	1 3/16	2 1/4	14940
		.1935	1 3/16	2 1/4	14941
		.1960	1 3/16	2 1/4	14942
		.1990	1 3/16	2 1/4	14943
		.2010	1 3/16	2 1/4	14944
13/64		.2031	1 3/16	2 1/4	14945
		.2040	1 1/4	2 3/8	14946
		.2055	1 1/4	2 3/8	14947
		.2090	1 1/4	2 3/8	14948
		.2130	1 1/4	2 3/8	14949
7/32		.2187	1 1/4	2 3/8	14950
		.2210	1 5/16	2 7/16	14951
		.2280	1 5/16	2 7/16	14952
15/64	A	.2340	1 5/16	2 7/16	14953
		.2344	1 5/16	2 7/16	14954
	B	.2380	1 3/8	2 1/2	14955
	C	.2420	1 3/8	2 1/2	14956
	D	.2460	1 3/8	2 1/2	14957
1/4	E	.2500	1 3/8	2 1/2	14958
	F	.2570	1 7/16	2 5/8	14959
	G	.2610	1 7/16	2 5/8	14960
17/64		.2656	1 7/16	2 5/8	14963
	H	.2660	1 1/2	2 11/16	14964
	I	.2720	1 1/2	2 11/16	14965
	J	.2770	1 1/2	2 11/16	14966
	K	.2810	1 1/2	2 11/16	14967
9/32		.2812	1 1/2	2 11/16	14968
		.2900	1 9/16	2 3/4	14969
	L	.2950	1 9/16	2 3/4	14970
19/64	M	.2969	1 9/16	2 3/4	14971

(continued)

Aircraft Type C Screw Machine Length Drills (continued)

List No. 1398

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
5/16	N	.3020	1 5/8	2 13/16	14972
		.3125	1 5/8	2 13/16	14973
	O	.3160	1 11/16	2 15/16	14974
	P	.3230	1 11/16	2 15/16	14975
2 1/64		.3281	1 11/16	2 15/16	14976
	Q	.3320	1 11/16	3	14977
1 1/32	R	.3390	1 11/16	3	14978
		.3437	1 11/16	3	14979
	S	.3480	1 3/4	3 1/16	14980
	T	.3580	1 3/4	3 1/16	14981
2 3/64		.3594	1 3/4	3 1/16	14982
	U	.3680	1 13/16	3 1/8	14983
3/8		.3750	1 13/16	3 1/8	14984

Foret série extra-courte

Broca extra corta

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
25/64	V	.3770	1 7/8	3 1/4	14985
	W	.3860	1 7/8	3 1/4	14986
		.3906	1 7/8	3 1/4	14987
	X	.3970	1 15/16	3 5/16	14988
13/32	Y	.4040	1 15/16	3 5/16	14989
		.4062	1 15/16	3 5/16	14990
27/64	Z	.4130	2	3 3/8	14991
		.4219	2	3 3/8	14992
7/16		.4375	2 1/16	3 7/16	14993
29/64		.4531	2 1/8	3 9/16	14994
		.4687	2 1/8	3 3/8	14995
15/32		.4844	2 3/16	3 11/16	14996
31/64		.5000	2 1/4	3 3/4	14997

Cobalt Screw Machine Length Drills

Tool Coatings Also Available

Foret au cobalt

Broca de cobalto



135° Split Point — Heavy Duty

Sizes #53 and smaller 135° Regular Point

Heavy duty construction. 135° self-centering split point eliminates "walking" and reduces thrust. Short length provides maximum rigidity for increased hole accuracy and extended tool life.

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

List No. 2435

STANDARD PACKAGE

Fractional Sizes

1/16" thru 3/8" — 12 each
 25/64" thru 19/32" — 6 each
 39/64" thru 3/4" — 1 each

Wire Gage Sizes

#1 thru #60 — 12 each

Letter Sizes

A thru V — 12 each
 W thru Z — 6 each

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	WIRE GAGE				
1/16	60	.0400	1/2	1 3/8	13149
	59	.0410	1/2	1 3/8	13150
	58	.0420	1/2	1 3/8	13151
	57	.0430	1/2	1 3/8	13152
	56	.0465	1/2	1 3/8	13153
	55	.0520	5/8	1 5/8	13154
	54	.0550	5/8	1 5/8	13155
	53	.0595	5/8	1 5/8	13156
		.0625	5/8	1 5/8	13157
	52	.0635	1 1/16	1 11/16	13158
		.0670	1 1/16	1 11/16	13159
		.0700	1 1/16	1 11/16	13160
5/64	49	.0730	1 1/16	1 11/16	13161
	48	.0760	1 1/16	1 11/16	13162
		.0781	1 1/16	1 11/16	13163
	47	.0785	3/4	1 3/4	13164
3/32	46	.0810	3/4	1 3/4	13165
	45	.0820	3/4	1 3/4	13166
	44	.0860	3/4	1 3/4	13167
	43	.0890	3/4	1 3/4	13168
	42	.0935	3/4	1 3/4	13169
		.0937	3/4	1 3/4	13170

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.	
FRAC-TIONAL	WIRE GAGE					
1/8	41	.0960	13/16	1 13/16	13171	
	40	.0980	13/16	1 13/16	13172	
	39	.0995	13/16	1 13/16	13173	
	38	.1015	13/16	1 13/16	13174	
	37	.1040	13/16	1 13/16	13175	
	36	.1065	13/16	1 13/16	13176	
	7/64		.1094	13/16	1 13/16	13177
		35	.1100	7/8	1 7/8	13178
		34	.1110	7/8	1 7/8	13179
		33	.1130	7/8	1 7/8	13180
	1/4	32	.1160	7/8	1 7/8	13181
		31	.1200	7/8	1 7/8	13182
		.1250	7/8	1 7/8	13183	
30		.1285	15/16	1 15/16	13184	
29		.1360	15/16	1 15/16	13185	
3/8		28	.1405	15/16	1 15/16	13186
		.1406	15/16	1 15/16	13187	
	27	.1440	1	2 1/16	13188	
	26	.1470	1	2 1/16	13189	
	25	.1495	1	2 1/16	13190	
	24	.1520	1	2 1/16	13191	
	23	.1540	1	2 1/16	13192	

(continued)

Cobalt Screw Machine Length Drills (continued)

List No. 2435

Foret au cobalt

Broca de cobalto

SIZE						
FRAC-TIONAL	LETTER	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
5/32			.1562	1	2 1/16	13193
		22	.1570	1 1/16	2 1/8	13194
		21	.1590	1 1/16	2 1/8	13195
		20	.1610	1 1/16	2 1/8	13196
	19	.1660	1 1/16	2 1/8	13197	
1 1/64		18	.1695	1 1/16	2 1/8	13198
			.1719	1 1/16	2 1/8	13199
		17	.1730	1 1/8	2 3/16	13200
		16	.1770	1 1/8	2 3/16	13201
	15	.1800	1 1/8	2 3/16	13202	
3/16		14	.1820	1 1/8	2 3/16	13203
		13	.1850	1 1/8	2 3/16	13204
			.1875	1 1/8	2 3/16	13205
		12	.1890	1 3/16	2 1/4	13206
	11	.1910	1 3/16	2 1/4	13207	
10			.1935	1 3/16	2 1/4	13208
			.1960	1 3/16	2 1/4	13209
			.1990	1 3/16	2 1/4	13210
			.2010	1 3/16	2 1/4	13211
13/64			.2031	1 3/16	2 1/4	13212
		6	.2040	1 1/4	2 3/8	13213
		5	.2055	1 1/4	2 3/8	13214
		4	.2090	1 1/4	2 3/8	13215
	3	.2130	1 1/4	2 3/8	13216	
7/32			.2187	1 1/4	2 3/8	13217
		2	.2210	1 5/16	2 7/16	13218
		1	.2280	1 5/16	2 7/16	13219
	15/64	A		.2349	1 5/16	2 7/16
B			.2344	1 5/16	2 7/16	13221
			.2380	1 3/8	2 1/2	13222
1/4	C		.2420	1 3/8	2 1/2	13223
	D		.2460	1 3/8	2 1/2	13224
	E		.2500	1 3/8	2 1/2	13225
17/64	F		.2570	1 7/16	2 5/8	13226
	G		.2610	1 7/16	2 5/8	13227
			.2656	1 7/16	2 5/8	13228
	H		.2660	1 1/2	2 11/16	13229
	I		.2720	1 1/2	2 11/16	13230
	J		.2770	1 1/2	2 11/16	13231
	K		.2810	1 1/2	2 11/16	13232

SIZE					
FRAC-TIONAL	LETTER	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
9/32		.2812	1 1/2	2 11/16	13233
	L	.2900	1 9/16	2 3/4	13234
19/64	M	.2950	1 9/16	2 3/4	13235
		.2969	1 9/16	2 3/4	13236
	N	.3020	1 5/8	2 13/16	13237
5/16		.3125	1 5/8	2 13/16	13238
	O	.3160	1 11/16	2 15/16	13239
21/64	P	.3230	1 11/16	2 15/16	13240
		.3281	1 11/16	2 15/16	13241
	Q	.3320	1 11/16	2 15/16	13242
11/32	R	.3390	1 11/16	2 15/16	13243
		.3437	1 11/16	3	13244
23/64	S	.3480	1 3/4	3 1/16	13245
	T	.3580	1 3/4	3 1/16	13246
		.3594	1 3/4	3 1/16	13247
3/8	U	.3680	1 13/16	3 1/8	13248
		.3750	1 13/16	3 1/8	13249
25/64	V	.3770	1 7/8	3 1/4	13250
	W	.3860	1 7/8	3 1/4	13251
		.3906	1 7/8	3 1/4	13252
13/32	X	.3970	1 15/16	3 5/16	13253
	Y	.4040	1 15/16	3 5/16	13254
		.4062	1 15/16	3 5/16	13255
27/64	Z	.4130	2	3 3/8	13256
		.4219	2	3 3/8	13257
7/16		.4375	2 1/16	3 7/16	13258
29/64		.4531	2 1/8	3 9/16	13259
15/32		.4687	2 1/8	3 3/8	13260
31/64		.4844	2 3/16	3 11/16	13261
1/2		.5000	2 1/4	3 3/4	13262
35/64		.5469	2 1/2	4	13265*
19/32		.5938	2 5/8	4 1/8	13268*
41/64		.6406	2 7/8	4 1/2	13271*
45/64		.7031	3	4 3/4	13275*
23/32		.7188	3	4 3/4	13276*

*Available While Supplies Last

CUTTING FLUIDS

Coolants and lubricants offer many benefits including reduced friction and heat, enhanced chip removal, improved accuracy and surface finish, higher speeds and feeds, corrosion protection and increased tool life.

Proper selection and application of cutting fluids is critical to optimizing machining applications. **Please consult your cutting fluids supplier for advice on your specific machining application.**