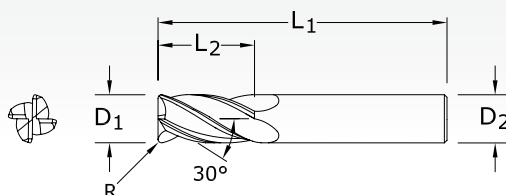
**TOLERANCES (inch)** $D_1 = -0.0010/-0.0020$ $D_2 = h_6$ $R = +0.0000/-0.0020$ **1CR**
FRACTIONAL SERIES

TECH INFO 139

CUTTING DIAMETER D_1	LENGTH OF CUT L_2	OVERALL LENGTH L_1	SHANK DIA. D_2	CORNER RADIUS R	EDP NO.			
					UNCOATED	Ti-NAMITE (TiN)	Ti-NAMITE-C (TiCN)	Ti-NAMITE-A (AlTiN)
1/8*	1/2	1-1/2	1/8	.015	38001	38002	38115	38157
1/8*	1/2	1-1/2	1/8	.020	38003	38004	38116	38158
3/16*	5/8	2	3/16	.015	38009	38010	38117	38159
3/16*	5/8	2	3/16	.020	38011	38012	38118	38160
3/16*	5/8	2	3/16	.030	38013	38014	38119	38161
1/4*	3/4	2-1/2	1/4	.015	38019	38020	38120	38162
1/4*	3/4	2-1/2	1/4	.020	38021	38022	38121	38163
1/4*	3/4	2-1/2	1/4	.030	38023	38024	38122	38164
1/4*	3/4	2-1/2	1/4	.045	38025	38026	38123	38165
5/16*	13/16	2-1/2	5/16	.015	38031	38032	38124	38166
5/16*	13/16	2-1/2	5/16	.020	38033	38034	38125	38167
5/16*	13/16	2-1/2	5/16	.030	38035	38036	38126	38168
5/16*	13/16	2-1/2	5/16	.045	38037	38038	38127	38169
3/8	1	2-1/2	3/8	.015	38045	38046	38128	38170
3/8	1	2-1/2	3/8	.020	38047	38048	38129	38171
3/8	1	2-1/2	3/8	.030	38049	38050	38130	38172
3/8	1	2-1/2	3/8	.045	38051	38052	38131	38173
1/2	1	3	1/2	.015	38059	38060	38132	38174
1/2	1	3	1/2	.020	38061	38062	38133	38175
1/2	1	3	1/2	.030	38063	38064	38134	38176
1/2	1	3	1/2	.045	38065	38066	38135	38177
1/2	1	3	1/2	.060	38067	38068	38136	38178
5/8	1-1/4	3-1/2	5/8	.015	38073	38074	38137	38179
5/8	1-1/4	3-1/2	5/8	.020	38075	38076	38138	38180
5/8	1-1/4	3-1/2	5/8	.030	38077	38078	38139	38181
5/8	1-1/4	3-1/2	5/8	.045	38079	38080	38140	38182
5/8	1-1/4	3-1/2	5/8	.060	38081	38082	38141	38183
5/8	1-1/4	3-1/2	5/8	.090	38083	38084	38142	38184
3/4	1-1/2	4	3/4	.015	38087	38088	38143	38185
3/4	1-1/2	4	3/4	.020	38089	38090	38144	38186

*Without Flat

continued on next page

STEELS
STAINLESS STEELS
CAST IRON
HIGH TEMP ALLOYS
TITANIUM
NON-FERROUS
PLASTICS/COMPOSITES