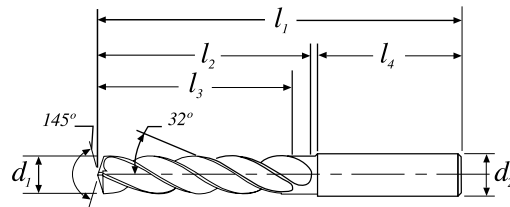


Increase production rates up to 12X over conventional carbide drills

- **Double margin construction provides:**
 - Greater stability & point cooling
 - Improved surface finishes
 - Increased tool life
- **Engineered for alloyed steels, inconel, low carbon, stainless steels, titanium and cast iron**
- **3x Diameter Length**
- **5x Diameter Length**
- **Eliminates reaming in many applications**
- **Easily resharpened on conventional equipment**
- **Ti-NANITE-A[®] tool coating**





Fractional Wire • Letter – HI-PERCARB® – Series 135

Cutting Diameter d_1	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d_2	Overall Length l_1	Flute Length l_2	Min. Cleared Length l_3	Shank Length l_4	Ti-NAMITE-A (AlTiN) EDP No.
1/64	.0156		1/8	1-1/2	1/8	5/64	1	51752
1/32	.0312		1/8	1-1/2	1/4	3/16	1	51269
3/64	.0469	1/16-64	1/8	1-1/2	3/8	5/16	1	51270
1/16	.0625	5/64-60	1/8	2	7/16	3/8	1-1/4	51271
5/64	.0781		1/8	2	1/2	7/16	1-1/4	51272
3/32	.0938	1/8-32	1/8	2	1/2	7/16	1-1/4	51273
40	.0980		1/8	2	9/16	1/2	1-1/4	51274
39	.0995		1/8	2	9/16	1/2	1-1/4	51753
38	.1015	5-40	1/8	2	9/16	1/2	1-1/4	51754
37	.1040	5-44	1/8	2	9/16	1/2	1-1/4	51755
36	.1065	6-32	1/8	2	9/16	1/2	1-1/4	51756
7/64	.1094		1/8	2	5/8	9/16	1-1/4	51275
35	.1100		1/8	2	5/8	9/16	1-1/4	51276
34	.1110		1/8	2	5/8	9/16	1-1/4	51277
33	.1130	6-40	1/8	2	5/8	9/16	1-1/4	51757
32	.1160		1/8	2	5/8	9/16	1-1/4	51758
31	.1200		1/8	2	5/8	9/16	1-1/4	51759
1/8	.1250		1/4	2-1/2	3/4	21/32	1-7/16	51330
30	.1285		1/4	2-1/2	3/4	21/32	1-7/16	51278
29	.1360	8-32, 8-36	1/4	2-1/2	3/4	21/32	1-7/16	51331
28	.1405	8-40	1/4	2-1/2	3/4	21/32	1-7/16	51760
9/64	.1406		1/4	2-1/2	3/4	21/32	1-7/16	51332
27	.1440		1/4	2-1/2	3/4	21/32	1-7/16	51761
26	.1470	3/16-24	1/4	2-1/2	3/4	21/32	1-7/16	51762
25	.1495	10-24	1/4	2-5/8	7/8	23/32	1-7/16	51333
24	.1520		1/4	2-5/8	7/8	23/32	1-7/16	51763
23	.1540	10-28	1/4	2-5/8	7/8	23/32	1-7/16	51764
5/32	.1562		1/4	2-5/8	7/8	23/32	1-7/16	51334
22	.1570	10-30	1/4	2-5/8	7/8	23/32	1-7/16	51765
21	.1590	10-32	1/4	2-5/8	7/8	23/32	1-7/16	51335
20	.1610	13/64-24	1/4	2-5/8	7/8	23/32	1-7/16	51279
19	.1660		1/4	2-5/8	7/8	23/32	1-7/16	51766
18	.1695		1/4	2-5/8	7/8	23/32	1-7/16	51767
11/64	.1719		1/4	2-5/8	7/8	23/32	1-7/16	51336
17	.1730		1/4	2-5/8	7/8	23/32	1-7/16	51768
16	.1770	12-24	1/4	2-5/8	7/8	23/32	1-7/16	51769

→ continued on next page

Fractional: shank flat optional (quoted on request)

Tolerances (inch)

Diameter	d_1	d_2
≤ 3/4	+0.0001 / +0.0005	+0.0000 / -0.0003
> 3/4 - 1/4	+0.0002 / +0.0006	+0.0000 / -0.0003
> 1/4 - 3/8	+0.0002 / +0.0008	+0.0000 / -0.0004
> 3/8 - 3/4	+0.0003 / +0.0010	+0.0000 / -0.0004
> 3/4 - 1	+0.0003 / +0.0011	+0.0000 / -0.0004

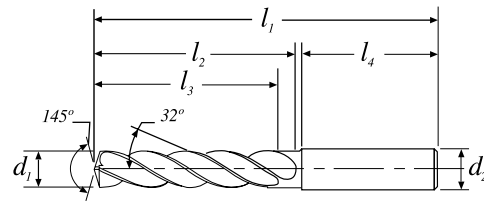
Fractional Wire • Letter – HI-PERCARB® – Series 135

(continued from previous page)

Cutting Diameter d_1	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d_2	Overall Length l_1	Flute Length l_2	Min.Cleared Length l_3	Shank Length l_4	Ti-NAMITE-A (AlTiN) EDP No.
15	.1800		1/4	2-5/8	7/8	23/32	1-7/16	51770
14	.1820	12-28	1/4	2-5/8	7/8	23/32	1-7/16	51771
13	.1850	12-32	1/4	2-5/8	7/8	23/32	1-7/16	51772
3/16	.1875		1/4	2-5/8	1	53/64	1-7/16	51337
12	.1890	7/32-32	1/4	2-5/8	1	53/64	1-7/16	51773
11	.1910		1/4	2-5/8	1	53/64	1-7/16	51774
10	.1935	14-20	1/4	2-5/8	1	53/64	1-7/16	51775
9	.1960		1/4	2-5/8	1	53/64	1-7/16	51776
8	.1990		1/4	2-5/8	1	53/64	1-7/16	51777
7	.2010	1/4-20	1/4	2-5/8	1	53/64	1-7/16	51338
13/64	.2031		1/4	2-5/8	1	53/64	1-7/16	51339
6	.2040		1/4	2-5/8	1	53/64	1-7/16	51778
5	.2055		1/4	2-5/8	1	53/64	1-7/16	51779
4	.2090	1/4-24	1/4	2-5/8	1	53/64	1-7/16	51780
3	.2130	1/4-28	1/4	2-5/8	1	53/64	1-7/16	51340
7/32	.2188	1/4-32	1/4	2-5/8	1	53/64	1-7/16	51341
2	.2210		1/4	2-5/8	1	53/64	1-7/16	51781
1	.2280		1/4	2-5/8	1	53/64	1-7/16	51782
15/64	.2344		1/4	2-5/8	1	53/64	1-7/16	51342
1/4	.2500		1/4	3-1/8	1-5/16	1-3/64	1-7/16	51343
F	.2570	5/16-18	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51344
17/64	.2656	5/16-20	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51345
I	.2720	5/16-24	5/16	3-1/8	1-5/16	1-3/64	1-7/16	51346
9/32	.2812	5/16-32	5/16	3-1/8	1-9/16	1-3/16	1-7/16	51347
19/64	.2969		5/16	3-1/8	1-9/16	1-3/16	1-7/16	51348
5/16	.3125	3/8-16	5/16	3-1/8	1-9/16	1-3/16	1-7/16	51349
21/64	.3281	3/8-20	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51350
Q	.3320	3/8-24	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51351
11/32	.3438	3/8-32	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51352
23/64	.3594		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51353
U	.3680	7/16-14	3/8	3-1/2	1-27/32	1-37/64	1-9/16	51354
3/8	.3750		3/8	3-1/2	1-27/32	1-37/64	1-9/16	51355
25/64	.3906	7/16-20	1/2	3-1/2	1-27/32	1-37/64	1-9/16	51356
13/32	.4062		1/2	4-1/16	2-3/16	1-51/64	1-49/64	51357
27/64	.4219	1/2-13	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51358
7/16	.4375	1/4-18 NPT	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51359
29/64	.4531	1/2-20	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51360
15/32	.4688	1/2-28	1/2	4-1/16	2-3/16	1-51/64	1-49/64	51361
31/64	.4844	9/16-12	1/2	4-1/4	2-5/16	1-7/8	1-49/64	51362
1/2	.5000		1/2	4-1/4	2-5/16	1-7/8	1-49/64	51363
33/64	.5156	9/16-18	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51364
17/32	.5312	5/8-11	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51365
35/64	.5469	5/8-12	5/8	4-1/4	2-5/16	1-7/8	1-49/64	51783
9/16	.5625		5/8	4-9/16	2-1/2	2	1-57/64	51366
37/64	.5781	5/8-18	5/8	4-9/16	2-1/2	2	1-57/64	51367
19/32	.5938	11/16-11	5/8	4-9/16	2-1/2	2	1-57/64	51784
39/64	.6094	11/16-12	5/8	4-9/16	2-1/2	2	1-57/64	51785
5/8	.6250	11/16-16	5/8	4-9/16	2-1/2	2	1-57/64	51368

→ continued on next page

Fractional: shank flat optional (quoted on request)



Fractional Wire • Letter – HI-PERCARB® – Series 135 (continued from previous page)

Cutting Diameter d_1	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d_2	Overall Length l_1	Flute Length l_2	Min. Cleared Length l_3	Shank Length l_4	Ti-NAMITE-A (AlTiN) EDP No.
41/64	.6406		3/4	4-7/8	2-3/4	2-5/16	1-57/64	51786
21/32	.6562	3/4-10	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51369
43/64	.6719	11/16-24	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51787
11/16	.6875	3/4-16	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51370
45/64	.7031	3/4-20, 1/2-14 NPT	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51788
23/32	.7188		3/4	4-7/8	2-3/4	2-5/16	1-57/64	51789
47/64	.7344	13/16-12	3/4	4-7/8	2-3/4	2-5/16	1-57/64	51790
3/4	.7500	13/16-16	3/4	5-1/4	3-1/16	2-7/16	1-31/32	51371
49/64	.7656	7/8-9	7/8	5-1/4	3-1/16	2-7/16	1-31/32	51372
25/32	.7812		7/8	6	3-11/16	2-11/16	2-1/8	51791
51/64	.7969	7/8-12	7/8	6	3-11/16	2-11/16	2-1/8	51792
13/16	.8125	7/8-14	7/8	6	3-11/16	2-11/16	2-1/8	51373
7/8	.8750	1-8	7/8	6	3-11/16	2-11/16	2-1/8	51374
59/64	.9219	1-12	1	6	3-11/16	2-11/16	2-1/8	51375

Fractional: shank flat optional (quoted on request)

Metric Series 135M – HI-PERCARB®

Cutting Diameter d_1	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d_2	Overall Length l_1	Flute Length l_2	Min. Cleared Length l_3	Shank Length l_4	Ti-NAMITE-A (AlTiN) EDP No.
3	0.1181		6	62	20	17	36	63155
3,2	0.1260		6	62	20	17	36	63156
3,3	0.1299	M4 (4 x 0,7)	6	62	20	17	36	63157
3,4	0.1339		6	62	20	17	36	63158
3,5	0.1378		6	62	20	17	36	63159
3,6	0.1417		6	62	20	17	36	63160
3,7	0.1457	M4,5 (4,5 x 0,75)	6	62	20	17	36	63161
4	0.1575		6	66	24	21	36	63162
4,2	0.1654	M5 (5 x 0,8)	6	66	24	21	36	63163
4,3	0.1693		6	66	24	21	36	63164
4,5	0.1772		6	66	24	21	36	63165
4,6	0.1811		6	66	24	21	36	63166
4,8	0.1890		6	66	28	24	36	63167
5	0.1969	M6 (6 x 1)	6	66	28	24	36	63168
5,25	0.2067		6	66	28	24	36	63169
5,3	0.2087		6	66	28	24	36	63170
5,5	0.2165		6	66	28	24	36	63171
5,8	0.2283		6	66	28	24	36	63172
6	0.2362	M7 (7 x 1)	6	66	28	24	36	63173
6,25	0.2461		8	79	34	28	36	63174
6,4	0.2520		8	79	34	28	36	63175

→ continued on next page

Metric: shank to DIN 6535 HA (6535 HB quoted on request)

Tolerances (mm)

Diameter	d ₁	d ₂
≤ 3	+0,0025 / +0,0127	+0,0000 / -0,0050
> 3 - 6	+0,0050 / +0,0152	+0,0000 / -0,0076
> 6 - 10	+0,0050 / +0,0200	+0,0000 / -0,0102
>10 - 18	+0,0076 / +0,0254	+0,0000 / -0,0102
>18 - 30	+0,0076 / +0,0279	+0,0000 / -0,0102



Metric Series 135M – HI-PERCARB®

(continued from previous page)

Cutting Diameter d ₁	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d ₂	Overall Length l ₁	Flute Length l ₂	Min.Cleared Length l ₃	Shank Length l ₄	Ti-NAMITE-A (AlTiN) EDP No.
6,5	0.2559		8	79	34	28	36	63213
6,8	0.2677	M8 (8 x 1,25)	8	79	34	28	36	63176
7	0.2756	8 x 1	8	79	34	28	36	63177
7,25	0.2854		8	79	41	34	36	63178
7,5	0.2953		8	79	41	34	36	63179
7,8	0.3071	M9 (9 x 1,25)	8	79	41	34	36	63180
8	0.3150		8	79	41	34	36	63181
8,4	0.3307		10	89	47	40	40	63182
8,5	0.3346	M10 (10 x 1,5)	10	89	47	40	40	63183
8,8	0.3465	10 x 1,25	10	89	47	40	40	63184
9	0.3543		10	89	47	40	40	63185
9,25	0.3642		10	89	47	40	40	63186
9,5	0.3740	11 x 1,5	10	89	47	40	40	63187
10	0.3937		10	89	47	40	40	63188
10,2	0.4015	M12 (12 x 1,75)	12	102	55	45	45	63189
10,5	0.4134		12	102	55	45	45	63190
10,8	0.4251	12 x 1,25	12	102	55	45	45	63191
11	0.4331		12	102	55	45	45	63192
11,25	0.4429		12	102	55	45	45	63193
11,5	0.4528		12	102	55	45	45	63194
12	0.4724	M14 (14 x 2)	12	102	55	45	45	63195
12,5	0.4921	14 x 1,5	14	107	60	49	45	63196
12,8	0.5039		14	107	60	49	45	63197
13	0.5118		14	107	60	49	45	63198
13,5	0.5315		14	107	60	49	45	63199
14	0.5512	M16 (16 x 2)	14	107	60	49	45	63200
14,5	0.5709	16 x 1,5	16	115	65	51	48	63201
15	0.5906		16	115	65	51	48	63202
15,5	0.6102	M18 (18 x 2,5)	16	115	65	51	48	63203
16	0.6299		16	115	65	51	48	63204
16,5	0.6496	18 x 1,5	18	123	73	58	48	63205
17	0.6693		18	123	73	58	48	63206
17,5	0.6890	M20 (20 x 2,5)	18	123	73	58	48	63207
18	0.7087		18	123	73	58	48	63208
18,5	0.7283	20 x 1,5	20	131	79	63	50	63209
19	0.7480		20	131	79	63	50	63210
19,5	0.7677	M22 (22 x 2,5)	20	131	79	63	50	63211
20	0.7874		20	131	79	63	50	63212

Metric: shank to DIN 6535 HA (6535 HB quoted on request)



HIGH PERFORMANCE CARBIDE DRILLS

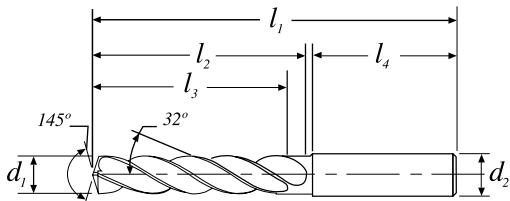
Fractional Wire • Letter – HI-PERCARB®-L– Series 135L

Long lengths increase drilling depths up to 5 times diameter.

Cutting Diameter d ₁	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d ₂	Overall Length l ₁	Flute Length l ₂	Min.Cleared Length l ₃	Shank Length l ₄	Ti-NAMITE-A (AlTiN) EDP No.
1/8	.1250		1/4	3	1	53/64	1-15/16	51580
30	.1285		1/4	3	1	53/64	1-15/16	51581
29	.1360	8-32, 8-36	1/4	3	1	53/64	1-15/16	51582
9/64	.1406		1/4	3	1	53/64	1-15/16	51583
25	.1495	10-24	1/4	3-1/4	1-1/4	1-5/64	1-15/16	51584
5/32	.1562		1/4	3-1/4	1-1/4	1-5/64	1-15/16	51585
21	.1590	10-32	1/4	3-1/4	1-1/4	1-5/64	1-15/16	51586
20	.1610	13/64-24	1/4	3-1/4	1-1/4	1-5/64	1-15/16	51587
11/64	.1719		1/4	3-1/4	1-1/4	1-5/64	1-15/16	51588
3/16	.1875		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51589
7	.2010	1/4-20	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51506
13/64	.2031		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51507
5	.2055		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51590
4	.2090	1/4-24	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51508
3	.2130	1/4-28	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51509
7/32	.2188	1/4-32	1/4	3-1/4	1-3/4	1-37/64	1-7/16	51510
15/64	.2344		1/4	3-1/4	1-3/4	1-37/64	1-7/16	51591
1/4	.2500		1/4	3-5/8	2-5/64	1-51/64	1-7/16	51511
F	.2570	5/16-18	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51512
17/64	.2656	5/16-20	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51513
I	.2720	5/16-24	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51514
9/32	.2812	5/16-32	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51515
19/64	.2969		5/16	3-5/8	2-5/64	1-51/64	1-7/16	51516
5/16	.3125	3/8-16	5/16	3-5/8	2-5/64	1-51/64	1-7/16	51517
P	.3230		3/8	4	2-13/32	2-1/8	1-9/16	51518
21/64	.3281	3/8-20	3/8	4	2-13/32	2-1/8	1-9/16	51519
Q	.3320	3/8-24	3/8	4	2-13/32	2-1/8	1-9/16	51520
11/32	.3438	3/8-32	3/8	4	2-13/32	2-1/8	1-9/16	51521
S	.3480	1/8-27NPS	3/8	4	2-13/32	2-1/8	1-9/16	51522
23/64	.3594		3/8	4	2-13/32	2-1/8	1-9/16	51523
U	.3680	7/16-14	3/8	4	2-13/32	2-1/8	1-9/16	51524
3/8	.3750		3/8	4	2-13/32	2-1/8	1-9/16	51525
W	.3860		1/2	4	2-13/32	2-1/8	1-9/16	51526
25/64	.3906	7/16-20	1/2	4	2-13/32	2-1/8	1-9/16	51527
13/32	.4062		1/2	4-11/16	2-3/4	2-23/64	1-49/64	51528
27/64	.4219	1/2-13	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51529
7/16	.4375	1/4-18NPT	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51530
29/64	.4531	1/2-20	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51531
15/32	.4688	1/2-28	1/2	4-11/16	2-3/4	2-23/64	1-49/64	51532
31/64	.4844	9/16-12	1/2	4-7/8	3-1/32	2-19/32	1-49/64	51533
1/2	.5000		1/2	4-7/8	3-1/32	2-19/32	1-49/64	51534
33/64	.5156	9/16-18	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51535
17/32	.5312	5/8-11	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51536
35/64	.5469	5/8-12	5/8	4-7/8	3-1/32	2-19/32	1-49/64	51537
9/16	.5625		5/8	5-1/4	3-1/4	2-3/4	1-57/64	51538

→ continued on next page

Fractional: shank flat optional (quoted on request)



Fractional Wire • Letter – HI-PERCARB®-L– Series 135L (continued from previous page)

Cutting Diameter d_1	Decimal Equivalent	Tap Size Reference Only	Shank Diameter d_2	Overall Length l_1	Flute Length l_2	Min. Cleared Length l_3	Shank Length l_4	Ti-NAMITE-A (AlTiN) EDP No.
37/64	.5781	5/8-18	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51539
19/32	.5938	11/16-11	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51592
39/64	.6094	11/16-12	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51593
5/8	.6250	11/16-16	5/8	5-1/4	3-1/4	2-3/4	1-57/64	51540
41/64	.6406		3/4	5-5/8	3-5/8	3-3/16	1-57/64	51594
21/32	.6562	3/4-10	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51541
43/64	.6719	11/16-24	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51595
11/16	.6875	3/4-16	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51542
45/64	.7031	3/4-20, 1/2-14 NPT	3/4	5-5/8	3-5/8	3-3/16	1-57/64	51543
23/32	.7188		3/4	6	4	3-3/8	1-31/32	51596
47/64	.7344	13/16-12	3/4	6	4	3-3/8	1-31/32	51544
3/4	.7500	13/16-16	3/4	6	4	3-3/8	1-31/32	51545

Fractional: shank flat optional (quoted on request)



Hi-PerCarb Speed and Feed Recommendations

Material Classification	Hardness		Speed		Drill Diameter					
	Bhn	RC	sfm	m/min	.015 - .111 in. (4 - 2.5 mm)	.018 - .197 in. (3 - 5 mm)	.203 - .316 in. (5.5 - 8 mm)	.328 - .500 in. (8.5 - 12.5 mm)	.512 - .640 in. (13 - 16 mm)	.650 - .875 in. (16.5 - 20 mm)
low carbon steel	≤ 170	≤ 5	400	120	.0005 - .005	.005 - .008	.008 - .012	.012 - .016	.016 - .020	.020 - .024
1018					(.013 - .13)	(.13 - .21)	(.21 - .31)	(.31 - .40)	(.40 - .50)	(.50 - .60)
alloyed steel	≤ 270	≤ 28	300	90	.0003 - .004	.004 - .006	.006 - .009	.009 - .012	.012 - .015	.015 - .018
4140					(.008 - .10)	(.10 - .15)	(.15 - .23)	(.23 - .31)	(.31 - .38)	(.38 - .45)
cast iron	150-200	1-15	400	120	.007 - .010	.010 - .014	.014 - .017	.017 - .020	.020 - .024	.024 - .028
					(.018 - .25)	(.25 - .36)	(.36 - .43)	(.43 - .51)	(.51 - .61)	(.61 - .71)
	200-300	15-30	245	75	.0005 - .008	.008 - .012	.012 - .014	.014 - .017	.017 - .020	.020 - .024
					(.013 - .21)	(.21 - .31)	(.31 - .36)	(.36 - .43)	(.43 - .51)	(.51 - .61)
	300-400	30-45	190	60	.0004 - .006	.006 - .010	.010 - .012	.012 - .015	.015 - .018	.018 - .020
					(.010 - .15)	(.15 - .25)	(.25 - .31)	(.31 - .38)	(.38 - .46)	(.46 - .51)
tool steel	≤ 170	≤ 5	230	70	.0003 - .003	.003 - .005	.005 - .007	.007 - .010	.010 - .013	.013 - .016
H-13					(.008 - .75)	(.75 - .13)	(.13 - .18)	(.18 - .25)	(.25 - .33)	(.33 - .40)
stainless steel	≤ 170	≤ 5	70-140	20-45	.0002 - .002	.002 - .004	.004 - .006	.006 - .008	.008 - .010	.010 - .012
300 Series					(.005 - .05)	(.05 - .10)	(.10 - .15)	(.15 - .21)	(.21 - .25)	(.25 - .31)
titanium	≤ 280	≤ 29	100	30	.0002 - .002	.002 - .003	.003 - .004	.004 - .006	.006 - .008	.008 - .010
6Al4V					(.005 - .050)	(.050 - .075)	(.075 - .100)	(.10 - .15)	(.15 - .21)	(.21 - .25)
high temp alloys	≤ 220	≤ 18	50	15	.0001 - .001	.001 - .002	.002 - .003	.003 - .004	.004 - .005	.005 - .006
Inconel 718					(.002 - .025)	(.025 - .050)	(.050 - .075)	(.075 - .100)	(.10 - .13)	(.13 - .15)

Resharpening service available upon request.

Reduce speed 20% when hole depth exceeds 3 diameters.



■ **Ti-NAMITE-A (AlTiN)**- Recommended for applications in cast iron, high temperature alloys, and stainless steels.

All Ti-NAMITE Tool Coatings are available upon request.

Sold in Over 60 Countries

UNITED STATES OF AMERICA

SGS TOOL COMPANY

World Headquarters
P.O. Box 187
55 South Main Street
Munroe Falls, Ohio 44262 U.S.A.
Phone: (330) 688-6667
Customer Service -
US and Canada: (330) 686-5700
Fax - US & Canada: (800) 447-4017
International Fax: (330) 686-2146
E-mail: webmaster@sgstool.com

CANADA

SGS TOOL CANADA

171 Northport Road, Unit #3
Port Perry, ON L9L 1B2
Phone: 905/982-0888
Fax: 905/982-0488
E-mail: sgstool@bellnet.ca

UNITED KINGDOM

SGS CARBIDE TOOL (UK) LTD.

Unit 1, The Metro Centre
Toutley Road
Wokingham, Berkshire
RG41 1QW England
Phone: (44) 1189-795-200
Fax: (44) 1189-795-295
E-mail: sales@sgstool.co.uk

FRANCE

SGS - PROMECA

36, Rue Des Landes—BP 28
Chatou F78400
Phone: (33) 13952-8280
Fax: (33) 1305-34919
E-mail: sgspromeca@sgstool.fr

GERMANY

SGS TOOL EUROPE GmbH

Hitdorfer Strasse 10C
Langenfeld D40764
Phone: (49) 2173-9100-91
Fax: (49) 2173-9100-99
E-mail: info@sgs-tool.de

EASTERN EUROPE

SINTCOM

Phone: (359) 283-64421
Fax: (359) 283-64421
E-mail: sintcom@cablebg.net

RUSSIA

HALTEC

Phone: (7) 842-241-4717
Fax: (7) 842-241-7619
E-mail: info@haltec.ru

CHINA

SGS TOOL SHANGHAI

Phone: (86) 21-58682809-107
Fax: (86) 21-58682803
E-mail: sgsshanghai@126.com

SGS PRODUCTS ARE DISTRIBUTED BY



Catalog EDP No. 00044 Rev. 11/2007
©2007 SGS Tool Company
Manufactured in the U.S.A.

www.sgstool.com