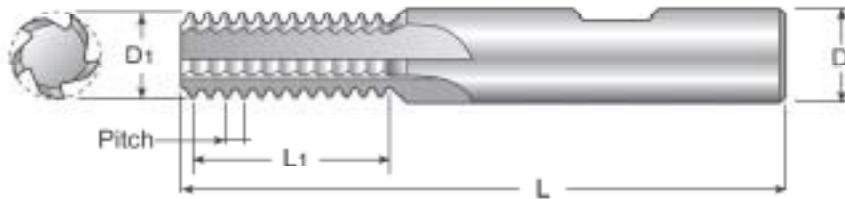


# SOLID CARBIDE THREAD MILLS 34

UN Internal  
Std. Length  
Thread Mills

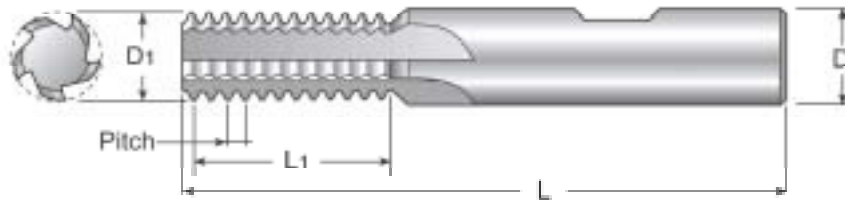


Long, Extra Long  
and Metric Sizes  
Available on Request

Min. Size Thread*	Tool Description	Pitch	Flutes	D	D1	L	L1	Grades	
								123	323F
# 2-64	TMN 1/8 x .060 - 64 UN	64	3	.125	.060	1.500	.1172	70100	78100
# 2-56	TMN 1/8 x .060 - 56 UN	56	3	.125	.060	1.500	.1161	70101	78101
# 3-48	TMN 1/8 x .060 - 48 UN	48	3	.125	.060	1.500	.1354	70102	78102
# 5-44	TMN 1/8 x .085 - 44 UN	44	3	.125	.085	1.500	.1705	70103	78103
# 4-40	TMN 1/8 x .080 - 40 UN	40	3	.125	.080	1.500	.1625	70138	78138
5/16"-40	TMN 1/4 x .240 - 40 UN	40	5	.250	.240	2.250	.3625	70142	78142
# 8-36	TMN 1/8 x .120 - 36 UN	36	3	.125	.120	1.500	.2361	70105	78105
# 6-32	TMN 1/8 x .085 - 32 UN	32	3	.125	.085	1.500	.2031	70106	78106
# 8-32	TMN 1/8 x .120 - 32 UN	32	3	.125	.120	1.500	.2344	70107	78107
# 10-32	TMN 3/16 x .140 - 32 UN	32	3	.187	.140	1.650	.2969	70143	78143
7/16"-32	TMN 1/4 x .240 - 32 UN	32	5	.250	.240	2.250	.5469	70108	78108
1/2"-32	TMN 3/8 x .370 - 32 UN	32	5	.375	.370	2.840	.9531	70139	78139
#12-28	TMN 3/16 x .145 - 28 UN	28	3	.187	.145	1.650	.3036	70109	78109
5/16"-28	TMN 1/4 x .240 - 28 UN	28	5	.250	.240	2.250	.5535	70144	78144
7/16"-28	TMN 5/16 x .310 - 28 UN	28	5	.312	.310	2.480	.7679	70110	78110
7/16"-27	TMN 5/16 x .310 - 27 UN	27	5	.312	.310	2.480	.7593	70145	78145
#12-24	TMN 3/16 x .140 - 24 UN	24	3	.187	.140	1.650	.3125	70140	78140
1/4"-24	TMN 3/16 x .160 - 24 UN	24	3	.187	.160	1.650	.3125	70111	78111
5/16"-24	TMN 1/4 x .200 - 24 UN	24	3	.250	.200	2.250	.4792	70112	78112
3/8"-24	TMN 1/4 x .240 - 24 UN	24	5	.250	.240	2.250	.5625	70135	78135
1/2"-24	TMN 3/8 x .370 - 24 UN	24	5	.375	.370	2.840	.6875	70136	78136
1/4"-20	TMN 3/16 x .160 - 20 UN	20	3	.187	.160	1.650	.375	70113	78113
5/16"-20	TMN 1/4 x .187 - 20 UN	20	3	.250	.187	2.250	.475	70137	78137
7/16"-20	TMN 5/16 x .310 - 20 UN	20	5	.312	.310	2.480	.725	70114	78114
9/16"-20	TMN 3/8 x .370 - 20 UN	20	5	.375	.370	2.840	.875	70115	78115
5/8"-20	TMN 1/2 x .470 - 20 UN	20	5	.500	.470	3.270	.975	70141	78141
5/16"-18	TMN 1/4 x .200 - 18 UN	18	3	.250	.200	2.250	.4722	70116	78116
9/16"-18	TMN 3/8 x .370 - 18 UN	18	5	.375	.370	2.840	.9167	70117	78117
5/8"-18	TMN 1/2 x .437 - 18 UN	18	5	.500	.437	3.270	1.0833	70134	78134
3/8"-16	TMN 1/4 x .240 - 16UN	16	5	.250	.240	2.250	.5313	70118	78118
13/16"-16	TMN1/2 x .470 - 16 UN	16	5	.500	.470	3.270	1.0938	70119	78119
7/16"-14	TMN 5/16 x .310 - 14 UN	14	5	.312	.310	2.480	.6071	70120	78120
1/2"-14	TMN 3/8 x .370 - 14 UN	14	5	.375	.370	2.840	.8929	70146	78146
7/8"-14	TMN 1/2 x .470 - 14 UN	14	5	.500	.470	3.270	1.1071	70121	78121
1/2"-13	TMN 5/16 x .310 - 13 UN	13	5	.375	.310	2.480	.7308	70122	78122

\*Minimum Size: The smallest internal thread size that can be cut with a specific Thread Mill. All of the Tools above can be used to cut larger diameter threads than the nominal size as long as the L1 dimension exceeds the full thread length. For adequate chip clearance, tool diameter should not exceed 70% of the Minor Thread Diameter. For best results use the largest diameter tool that meets these requirements. Contact Horizon Carbide Tool for additional information and Programming Recommendations.

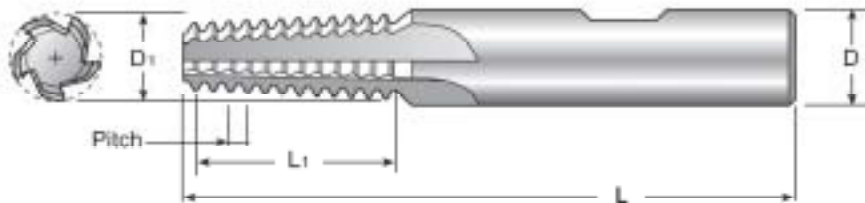
UN Internal  
Std. Length  
Thread Mills



Long, Extra Long  
and Metric Sizes  
Available on Request

Minimum Size*	Tool Description	Pitch	Flutes	D	D1	L	L1	Grades	
								123	323F
9/16"-12	TMN 3/8 x .370 - 12 UN	12	5	.375	.370	2.84	.875	70123	78123
3/4"-12	TMN 1/2 x .470 - 12 UN	12	5	.500	.470	3.27	1.1253	70124	78124
5/8"-11	TMN 3/8 x .370 - 11 UN	11	5	.375	.370	2.84	.8636	70125	78125
5/8"-11	TMN 1/2 x .437 - 11 UN	11	5	.500	.437	3.27	1.0455	70126	78126
3/4"-10	TMN 1/2 x .470 - 10 UN	10	5	.500	.470	3.27	1.050	70127	78127

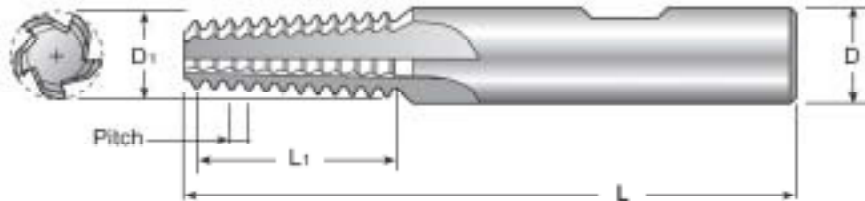
NPT  
Internal / External  
Thread Mills



NPSM  
Straight Pipe,  
BSP and BSPT  
British ( Metric )  
Pipe Thread Mills  
Available

Minimum Size*	Tool Description	Pitch	Flutes	D	D1	L	L1	Grades	
								123	323F
1/16 & 1/8 NPT	TMX 1/4 x .240-27NPT	27	5	.250	.240	2.25	.351	70300	78300
1/4 & 3/8 NPT	TMX 5/16 x .310-18NPT	18	5	.312	.310	2.48	.527	70301	78301
1/2 & 3/4 NPT	TMX 1/2 x .470-14NPT	14	5	.500	.470	3.27	.749	70302	78302
1" - 2" NPT	TMX 5/8 x .620-11.5NPT	11.5	6	.625	.620	3.62	1.007	70303	78303
2 1/2" - 6" NPT	TMX 5/8 x .620-8NPT	8	6	.625	.620	3.62	1.188	70304	78304
2 1/2" - 6" NPT	TMX 3/4 x .745-8NPT	8	6	.750	.745	4.10	1.438	70305	78305

NPTF Dryseal  
Internal / External  
Thread Mills



NPSF Dryseal  
Straight Pipe  
Thread Mills  
Available

Minimum Size*	Tool Description	Pitch	Flutes	D	D1	L	L1	Grades	
								123	323F
1/16 & 1/8 NPTF	TMX 1/4 x .240-27NPTF	27	5	.250	.240	2.25	.351	70306	78306
1/4 & 3/8 NPTF	TMX 5/16 x .310-18NPTF	18	5	.312	.310	2.48	.527	70307	78307
1/2 & 3/4 NPTF	TMX 1/2 x .470-14NPTF	14	5	.500	.470	3.27	.749	70308	78308
1" - 2" NPTF	TMX 5/8 x .620-11.5NPTF	11.5	6	.625	.620	3.62	1.007	70309	78309
2 1/2" - 6" NPTF	TMX 5/8 x .620-8NPTF	8	6	.625	.620	3.62	1.188	70310	78310
2 1/2" - 6" NPTF	TMX 3/4 x .745-8NPTF	8	6	.750	.745	4.10	1.438	70311	78311

123 - General Purpose TIN Coated C2-C6 (K20-P20) Grade For Most Thread Milling Applications  
323F - High Performance TiALN Coated C2-C7 (K20-K15) Grade for Higher Speeds & Longer Tool Life

Contact Horizon Carbide for additional information and Programming Recommendations  
Please Call For Thread Mill Pricing and Availability