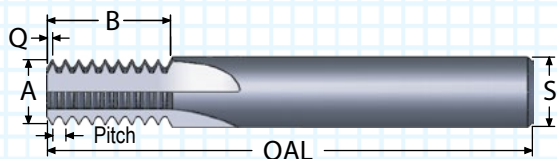


UN THREAD MILLS

STRAIGHT FLUTE - SOLID CARBIDE

FULL PROFILE



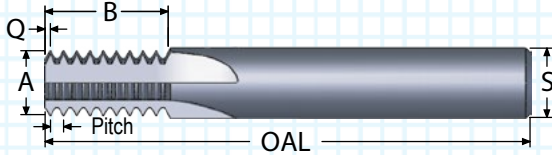
- Optional short length-of-cut for ideal length-to-diameter ratio
- Cuts UNC, UNF, UNEF, UNS, and UNJ (internal only)
- Internal crest cutting design provides strongest possible tool

MIN ID THREAD/ PITCH*	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL THREADS ONLY	
4-40	0.080	0.210	0.011	0.250	2.50	3	TM080-40	TM080-40A
4-40	0.080	0.136	0.011	0.250	2.50	3	TM080-40S	TM080-40SA
6-32	0.098	0.263	0.013	0.250	2.50	3	TM098-32	TM098-32A
6-32	0.098	0.201	0.013	0.250	2.50	3	TM098-32S	TM098-32SA
6-40	0.098	0.260	0.011	0.250	2.50	3	TM098-40	TM098-40A
6-40	0.098	0.186	0.011	0.250	2.50	3	TM098-40S	TM098-40SA
8-32	0.110	0.325	0.013	0.250	2.50	3	TM110-32	TM110-32A
8-32	0.110	0.232	0.013	0.250	2.50	3	TM110-32S	TM110-32SA
8-36	0.110	0.345	0.012	0.250	2.50	3	TM110-36	TM110-36A
8-36	0.110	0.234	0.012	0.250	2.50	3	TM110-36S	TM110-36SA
8-24	0.125	0.350	0.017	0.250	2.50	3	TM125-24	TM125-24A
8-24	0.125	0.226	0.017	0.250	2.50	3	TM125-24S	TM125-24SA
8-32	0.125	0.355	0.013	0.250	2.50	3	TM125-32	TM125-32A
8-32	0.125	0.232	0.013	0.250	2.50	3	TM125-32S	TM125-32SA
10-24	0.140	0.392	0.017	0.250	2.50	3	TM140-24	TM140-24A
10-24	0.140	0.268	0.017	0.250	2.50	3	TM140-24S	TM140-24SA
10-28	0.140	0.409	0.015	0.250	2.50	3	TM140-28	TM140-28A
10-28	0.140	0.265	0.015	0.250	2.50	3	TM140-28S	TM140-28SA
10-32	0.140	0.388	0.013	0.250	2.50	3	TM140-32	TM140-32A
10-32	0.140	0.263	0.013	0.250	2.50	3	TM140-32S	TM140-32SA
10-48	0.140	0.383	0.009	0.250	2.50	3	TM140-48	TM140-48A
10-48	0.140	0.259	0.009	0.250	2.50	3	TM140-48S	TM140-48SA
1/4-20	0.170	0.570	0.021	0.250	2.50	3	TM170-20	TM170-20A
1/4-20	0.170	0.371	0.021	0.250	2.50	3	TM170-20S	TM170-20SA
1/4-24	0.170	0.559	0.017	0.250	2.50	3	TM170-24	TM170-24A
1/4-24	0.170	0.393	0.017	0.250	2.50	3	TM170-24S	TM170-24SA
1/4-28	0.170	0.552	0.015	0.250	2.50	3	TM170-28	TM170-28A
1/4-28	0.170	0.372	0.015	0.250	2.50	3	TM170-28S	TM170-28SA
1/4-32	0.170	0.545	0.013	0.250	2.50	3	TM170-32	TM170-32A
1/4-32	0.170	0.388	0.013	0.250	2.50	3	TM170-32S	TM170-32SA
1/4-36	0.170	0.540	0.012	0.250	2.50	3	TM170-36	TM170-36A
1/4-36	0.170	0.373	0.012	0.250	2.50	3	TM170-36S	TM170-36SA
1/4-20	0.187	0.570	0.021	0.250	2.50	3	TM187-20	TM187-20A
1/4-20	0.187	0.371	0.021	0.250	2.50	3	TM187-20S	TM187-20SA
1/4-24	0.187	0.559	0.017	0.250	2.50	3	TM187-24	TM187-24A
1/4-24	0.187	0.393	0.017	0.250	2.50	3	TM187-24S	TM187-24SA
1/4-28	0.187	0.551	0.015	0.250	2.50	3	TM187-28	TM187-28A
1/4-28	0.187	0.372	0.015	0.250	2.50	3	TM187-28S	TM187-28SA

*Thread mills can cut any larger size internal thread of the same pitch

UN THREAD MILLS

STRAIGHT FLUTE - SOLID CARBIDE



- ALTiN+ coating extends tool life
- Internal threads only
- Full Profile

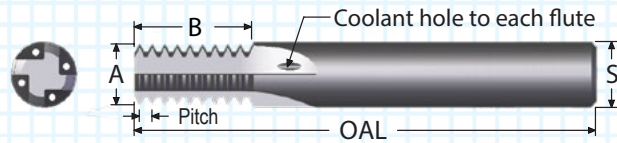
MIN ID THREAD / PITCH*	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL THREADS ONLY	
1/4-32	0.187	0.545	0.013	0.250	2.50	3	TM187-32	TM187-32A
1/4-32	0.187	0.388	0.013	0.250	2.50	3	TM187-32S	TM187-32SA
1/4-36	0.187	0.540	0.012	0.250	2.50	3	TM187-36	TM187-36A
1/4-36	0.187	0.373	0.012	0.250	2.50	3	TM187-36S	TM187-36SA
1/4-40	0.187	0.560	0.011	0.250	2.50	3	TM187-40	TM187-40A
1/4-40	0.187	0.386	0.011	0.250	2.50	3	TM187-40S	TM187-40SA
1/4-48	0.187	0.551	0.009	0.250	2.50	3	TM187-48	TM187-48A
1/4-48	0.187	0.384	0.009	0.250	2.50	3	TM187-48S	TM187-48SA
5/16-18	0.235	0.689	0.023	0.250	2.50	3	TM235-18	TM235-18A
5/16-20	0.235	0.670	0.021	0.250	2.50	3	TM235-20	TM235-20A
5/16-24	0.235	0.684	0.017	0.250	2.50	3	TM235-24	TM235-24A
5/16-28	0.235	0.657	0.015	0.250	2.50	3	TM235-28	TM235-28A
5/16-32	0.235	0.669	0.013	0.250	2.50	3	TM235-32	TM235-32A
5/16-40	0.235	0.660	0.011	0.250	2.50	3	TM235-40	TM235-40A
3/8-16	0.290	0.775	0.026	0.3125	3.50	4	TM290-16	TM290-16A
3/8-20	0.290	0.820	0.021	0.3125	3.50	4	TM290-20	TM290-20A
3/8-24	0.290	0.809	0.017	0.3125	3.50	4	TM290-24	TM290-24A
3/8-27	0.290	0.794	0.015	0.3125	3.50	4	TM290-27	TM290-27A
3/8-32	0.290	0.794	0.013	0.3125	3.50	4	TM290-32	TM290-32A
7/16-14	0.345	0.816	0.030	0.375	3.50	4	TM345-14	TM345-14A
7/16-18	0.345	0.800	0.023	0.375	3.50	4	TM345-18	TM345-18A
7/16-20	0.345	0.821	0.021	0.375	3.50	4	TM345-20	TM345-20A
7/16-24	0.345	0.809	0.017	0.375	3.50	4	TM345-24	TM345-24A
7/16-28	0.345	0.800	0.015	0.375	3.50	4	TM345-28	TM345-28A
9/16-12	0.400	1.117	0.035	0.500	3.50	4	TM400-12	TM400-12A
1/2-13	0.400	1.108	0.032	0.500	3.50	4	TM400-13	TM400-13A
1/2-16	0.400	1.087	0.026	0.500	3.50	4	TM400-16	TM400-16A
1/2-20	0.400	1.120	0.021	0.500	3.50	4	TM400-20	TM400-20A
1/2-24	0.400	1.100	0.017	0.500	3.50	4	TM400-24	TM400-24A
1/2-28	0.400	1.087	0.015	0.500	3.50	4	TM400-28	TM400-28A
1/2-32	0.400	1.106	0.013	0.500	3.50	4	TM400-32	TM400-32A
3/4-10	0.450	1.140	0.042	0.500	3.50	4	TM450-10	TM450-10A
5/8-11	0.450	1.127	0.039	0.500	3.50	4	TM450-11	TM450-11A
5/8-12	0.450	1.117	0.035	0.500	3.50	4	TM450-12	TM450-12A
9/16-16	0.450	1.087	0.026	0.500	3.50	4	TM450-16	TM450-16A
9/16-18	0.450	1.134	0.023	0.500	3.50	4	TM450-18	TM450-18A
9/16-20	0.450	1.120	0.021	0.500	3.50	4	TM450-20	TM450-20A
3/4-12	0.490	1.117	0.035	0.500	3.50	6	TM490-12	TM490-12A
5/8-14	0.490	1.100	0.030	0.500	3.50	6	TM490-14	TM490-14A
5/8-16	0.490	1.087	0.026	0.500	3.50	6	TM490-16	TM490-16A
1.0-8	0.620	1.177	0.052	0.625	3.50	6	TM620-8	TM620-8A
7/8-9	0.620	1.157	0.046	0.625	3.50	6	TM620-9	TM620-9A
7/8-12	0.620	1.117	0.035	0.625	3.50	6	TM620-12	TM620-12A
7/8-14	0.620	1.100	0.030	0.625	3.50	6	TM620-14	TM620-14A
7/8-16	0.620	1.087	0.026	0.625	3.50	6	TM620-16	TM620-16A

*Thread mills can cut any larger size internal thread of the same pitch

UN THREAD MILLS

COOLANT THROUGH - SOLID CARBIDE

FULL PROFILE



- ALTiN+ coating for higher cutting speed
- Coolant to each flute
- Cuts UNC, UNF, UNEF, and UNS threads
- Cuts UNJ threads (internal only)

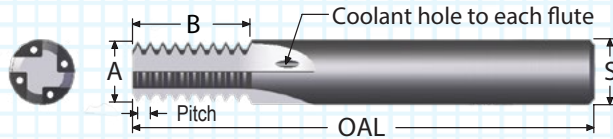
MIN ID THREAD /PITCH*	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTE	ORDER #	
							UNCOATED	COATED
							INTERNAL THREADS ONLY	
4-40	0.080	0.210	0.011	0.250	2.50	3	TMC080-40	TMC080-40A
6-32	0.098	0.263	0.013	0.250	2.50	3	TMC098-32	TMC098-32A
6-40	0.098	0.260	0.011	0.250	2.50	3	TMC098-40	TMC098-40A
8-32	0.125	0.355	0.013	0.250	2.50	3	TMC125-32	TMC125-32A
10-24	0.140	0.392	0.017	0.250	2.50	3	TMC140-24	TMC140-24A
10-28	0.140	0.409	0.015	0.250	2.50	3	TMC140-28	TMC140-28A
10-32	0.140	0.388	0.013	0.250	2.50	3	TMC140-32	TMC140-32A
10-48	0.140	0.383	0.009	0.250	2.50	3	TMC140-48	TMC140-48A
1/4-20	0.170	0.570	0.021	0.250	2.50	3	TMC170-20	TMC170-20A
1/4-28	0.170	0.552	0.015	0.250	2.50	3	TMC170-28	TMC170-28A
1/4-32	0.170	0.545	0.013	0.250	2.50	3	TMC170-32	TMC170-32A
1/4-36	0.170	0.540	0.012	0.250	2.50	3	TMC170-36	TMC170-36A
5/16-18	0.235	0.689	0.023	0.250	2.50	3	TMC235-18	TMC235-18A
5/16-20	0.235	0.670	0.021	0.250	2.50	3	TMC235-20	TMC235-20A
5/16-24	0.235	0.684	0.017	0.250	2.50	3	TMC235-24	TMC235-24A
5/16-28	0.235	0.657	0.015	0.250	2.50	3	TMC235-28	TMC235-28A
5/16-32	0.235	0.669	0.013	0.250	2.50	3	TMC235-32	TMC235-32A
5/16-40	0.235	0.660	0.011	0.250	2.50	3	TMC235-40	TMC235-40A
3/8-16	0.290	0.775	0.026	0.3125	3.50	4	TMC290-16	TMC290-16A
3/8-20	0.290	0.820	0.021	0.3125	3.50	4	TMC290-20	TMC290-20A
3/8-24	0.290	0.809	0.017	0.3125	3.50	4	TMC290-24	TMC290-24A
7/16-14	0.345	0.816	0.030	0.375	3.50	4	TMC345-14	TMC345-14A
7/16-18	0.345	0.800	0.023	0.375	3.50	4	TMC345-18	TMC345-18A
7/16-20	0.345	0.821	0.021	0.375	3.50	4	TMC345-20	TMC345-20A
7/16-28	0.345	0.800	0.015	0.375	3.50	4	TMC345-28	TMC345-28A
1/2-13	0.400	1.108	0.032	0.500	3.50	4	TMC400-13	TMC400-13A
1/2-20	0.400	1.120	0.021	0.500	3.50	4	TMC400-20	TMC400-20A
1/2-28	0.400	1.087	0.015	0.500	3.50	4	TMC400-28	TMC400-28A
1/2-32	0.400	1.106	0.013	0.500	3.50	4	TMC400-32	TMC400-32A

*Thread mills can cut any larger size internal thread of the same pitch

UN THREAD MILLS

COOLANT THROUGH - SOLID CARBIDE

FULL PROFILE



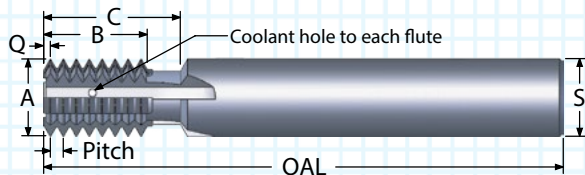
- ALTiN+ coating for higher cutting speed
- Coolant to each flute
- Cuts UNC, UNF, UNEF, and UNS threads
- Cuts UNJ threads (internal only)

MIN ID THREAD /PITCH*	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTE	ORDER #	
							UNCOATED	COATED
							INTERNAL THREADS ONLY	
3/4-10	0.450	1.140	0.042	0.500	3.50	4	TMC450-10	TMC450-10A
5/8-11	0.450	1.127	0.039	0.500	3.50	4	TMC450-11	TMC450-11A
5/8-12	0.450	1.117	0.035	0.500	3.50	4	TMC450-12	TMC450-12A
9/16-16	0.450	1.087	0.026	0.500	3.50	4	TMC450-16	TMC450-16A
9/16-18	0.450	1.134	0.023	0.500	3.50	4	TMC450-18	TMC450-18A
9/16-20	0.450	1.120	0.021	0.500	3.50	4	TMC450-20	TMC450-20A
7/8-12	0.620	1.117	0.035	0.625	3.50	6	TMC620-12	TMC620-12A
7/8-14	0.620	1.100	0.030	0.625	3.50	6	TMC620-14	TMC620-14A
7/8-16	0.620	1.087	0.026	0.625	3.50	6	TMC620-16	TMC620-16A

*Thread mills can cut any larger size internal thread of the same pitch

UN THREAD MILLS

COOLANT THROUGH - CARBIDE TIPPED



- ALTiN+ coating for higher cutting speed
- Coolant to each flute
- Cuts UNC, UNF, UNEF, and UNS threads
- Cuts UNJ threads (internal only)

MIN ID THREAD / PITCH*	"A" TOOL DIA.	"B" LENGTH OF CUT	"C" TOOL REACH	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
								UNCOATED	ALTiN+
								INTERNAL OR EXTERNAL THREADS	
1¼-7	0.740	1.130	1.370	0.065	0.750	6.00	4	TMC740-7	TMC740-7A
1-8	0.740	1.122	1.370	0.057	0.750	6.00	4	TMC740-8	TMC740-8A
1-12	0.740	1.076	1.370	0.038	0.750	6.00	4	TMC740-12	TMC740-12A
1-14	0.740	1.135	1.370	0.032	0.750	6.00	4	TMC740-14	TMC740-14A
1-16	0.740	1.119	1.370	0.028	0.750	6.00	4	TMC740-16	TMC740-16A
1-20	0.740	1.096	1.370	0.023	0.750	6.00	4	TMC740-20	TMC740-20A
1½-6	0.990	1.152	2.000	0.076	1.000	6.00	6	TMC990-6	TMC990-6A
1½-8	0.990	1.122	2.000	0.061	1.000	6.00	6	TMC990-8	TMC990-8A
1½-12	0.990	1.166	2.000	0.041	1.000	6.00	6	TMC990-12	TMC990-12A
1½-16	0.990	1.122	2.000	0.029	1.000	6.00	6	TMC990-16	TMC990-16A

*Thread mills can cut any larger size internal thread of the same pitch