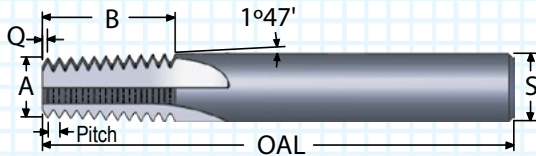


THREAD MILLS - NPT - STRAIGHT FLUTE SOLID CARBIDE (NATIONAL PIPE TAPER)

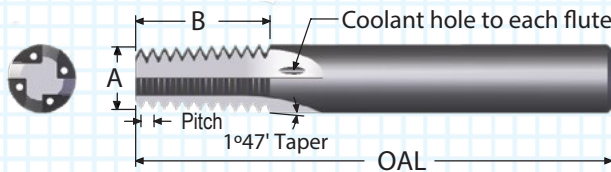


- Made with premium submicron grade carbide
- ALTiN+ coated for higher cutting speed

STRAIGHT FLUTE - NPT

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.218	0.534	0.018	0.2500	2.50	4	TM218-27NPT	TM218-27NPT-A
1/8-27	0.280	0.758	0.018	0.3750	3.50	4	TM280-27NPT	TM280-27NPT-A
1/4, 3/8-18	0.330	0.693	0.027	0.3750	3.50	4	TM330-18NPT	TM330-18NPT-A
1/4, 3/8-18	0.382	0.800	0.027	0.4375	3.50	4	TM382-18NPT	TM382-18NPT-A
1/2, 3/4-14	0.430	1.105	0.035	0.5000	3.50	4	TM430-14NPT	TM430-14NPT-A
1 to 2-11½	0.650	1.605	0.043	0.7500	4.00	5	TM650-11.5NPT	TM650-11.5NPT-A
2½ up-8	0.650	1.560	0.062	0.7500	4.00	5	TM650-8NPT	TM650-8NPT-A

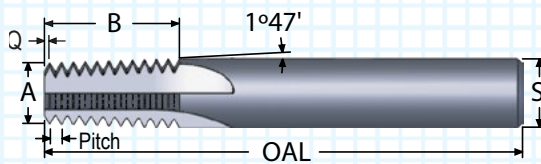
For increased performance, use with tapered pipe reamer on page 114.



- Coolant to each flute
- Cuts internal or external threads

COOLANT THROUGH STRAIGHT FLUTE - NPT

MIN IN THREAD/ PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	COATED
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.218	0.534	0.018	0.250	2.50	4	TMC218-27NPT	TMC218-27NPT-A
1/4, 3/8-18	0.330	0.693	0.027	0.375	3.50	4	TMC330-18NPT	TMC330-18NPT-A
1/2, 3/4-14	0.430	1.105	0.035	0.500	3.50	4	TMC430-14NPT	TMC430-14NPT-A
1 to 2-11½	0.550	1.172	0.043	0.625	3.50	6	TMC550-11.5NPT	TMC550-11.5NPT-A



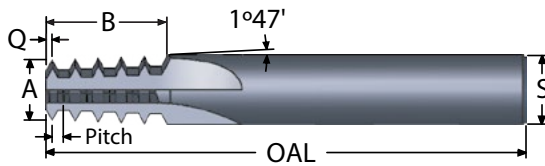
- ALTiN+ coating for improved surface finish
- Polished flute face for optimum performance

STRAIGHT FLUTE - DRYSEAL - NPTF

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.218	0.534	0.018	0.250	2.50	4	TM218-27NPTF	TM218-27NPTF-A
1/8-27	0.280	0.758	0.018	0.375	3.50	4	TM280-27NPTF	TM280-27NPTF-A
1/4, 3/8-18	0.330	0.693	0.027	0.375	3.50	4	TM330-18NPTF	TM330-18NPTF-A
1/4, 3/8-18	0.382	0.800	0.027	0.4375	3.50	4	TM382-18NPTF	TM382-18NPTF-A
1/2, 3/4-14	0.430	1.105	0.035	0.500	3.50	4	TM430-14NPTF	TM430-14NPTF-A
1 to 2-11½	0.650	1.605	0.043	0.750	4.00	5	TM650-11.5NPTF	TM650-11.5NPTF-A
2½ up-8	0.650	1.560	0.062	0.750	4.00	5	TM650-8NPTF	TM650-8NPTF-A

All NPT thread mills are crest cutting (full profile)

THREAD MILLS - NPT - STRAIGHT FLUTE STAGGERED TOOTH - SOLID CARBIDE (NATIONAL PIPE TAPER)



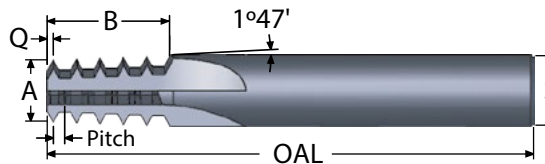
- Staggered tooth design reduces tool pressure
- ALTiN+ coating extends tool life

STRAIGHT FLUTE - STAGGERED TOOTH - NPT

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.220	0.534	0.019	0.250	2.50	4	TM220-27NPT	TM220-27NPT-A
1/8-27	0.275	0.758	0.019	0.375	3.50	4	TM275-27NPT	TM275-27NPT-A
1/4, 3/8-18	0.335	0.693	0.028	0.375	3.50	4	TM335-18NPT	TM335-18NPT-A
1/4, 3/8-18	0.387	0.805	0.028	0.4375	3.50	4	TM387-18NPT	TM387-18NPT-A
1/2, 3/4-14	0.435	1.034	0.036	0.500	3.50	4	TM435-14NPT	TM435-14NPT-A
1/2, 3/4-14	0.440	1.034	0.036	0.750	6.00	4	◆ TM440-14NPT	◆ TM440-14NPT-A
1¼ to 2-11½	1.000	1.742	0.044	1.000	6.00	6	▲ TM1.0-11.5NPT	▲ TM1.0-11.5NPT-A

For increased performance, use with tapered pipe reamer on page 114.

- ◆ Tool is steel shank with a solid carbide head
- ▲ Tool is carbide tipped with coolant hole to each flute



- Made from premium submicron carbide
- ALTiN+ coated tool for higher cutting speed

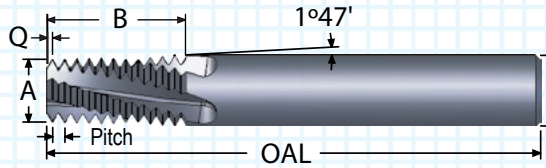
STRAIGHT FLUTE - STAGGERED TOOTH- DRYSEAL - NPTF

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.220	0.534	0.019	0.250	2.50	4	TM220-27NPTF	TM220-27NPTF-A
1/8-27	0.275	0.758	0.019	0.375	3.50	4	TM275-27NPTF	TM275-27NPTF-A
1/4, 3/8-18	0.335	0.693	0.028	0.375	3.50	4	TM335-18NPTF	TM335-18NPTF-A
1/4, 3/8-18	0.387	0.805	0.028	0.4375	3.50	4	TM387-18NPTF	TM387-18NPTF-A
1/2, 3/4-14	0.435	1.034	0.036	0.500	3.50	4	TM435-14NPTF	TM435-14NPTF-A
1/2, 3/4-14	0.440	1.034	0.036	0.750	6.00	4	◆ TM440-14NPTF	◆ TM440-14NPTF-A
1¼ to 2-11½	1.000	1.700	0.044	1.00	6.00	6	▲ TM1.0-11.5NPTF	▲ TM1.0-11.5NPTF-A

- ◆ Tool is steel shank with a solid carbide head
- ▲ Tool is carbide tipped with coolant hole to each flute

All NPT thread mills are crest cutting (full profile)

THREAD MILLS - NPT - HELICAL - CARBIDE (NATIONAL PIPE TAPER)

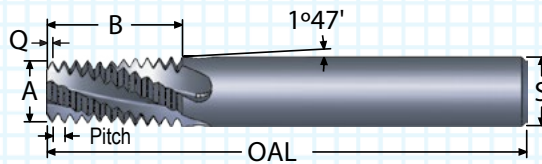


- Made with premium submicron grade carbide
- ALTiN+ coating for improved surface finish

15° HELICAL FLUTE- NPT

THREAD DIA./PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.222	0.461	0.018	0.250	2.50	3	TMX222-27-H	TMX222-27-HA
1/4, 3/8-18	0.270	0.636	0.027	0.312	2.50	4	TMX270-18-H	TMX270-18-HA
1/2, 3/4-14	0.440	0.890	0.035	0.500	4.00	4	TMX440-14-H	TMX440-14-HA
1" to 2"-11.5	0.550	1.171	0.043	0.625	4.00	4	TMX550-11.5-H	TMX550-11.5-HA

For increased performance, use with tapered pipe reamer on page 114.

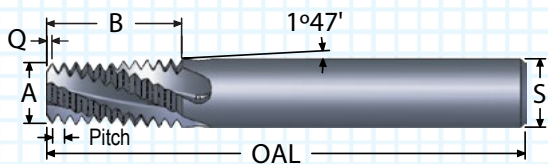


- ALTiN+ coating extends tool life
- Helical flute for reduce side cutting pressure

30° HELICAL FLUTE - NPT

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.218	0.534	0.018	0.250	2.50	4	TM218-27NPT-H	TM218-27NPT-HA
1/8-27	0.280	0.758	0.018	0.375	3.50	4	TM280-27NPT-H	TM280-27NPT-HA
1/4, 3/8-18	0.330	0.693	0.027	0.375	3.50	4	TM330-18NPT-H	TM330-18NPT-HA
1/4, 3/8-18	0.382	0.800	0.027	0.4375	3.50	4	TM382-18NPT-H	TM382-18NPT-HA
1/2, 3/4-14	0.430	1.105	0.035	0.500	3.50	4	TM430-14NPT-H	TM430-14NPT-HA

For increased performance, use with tapered pipe reamer on page 114.



- Polished flute face for optimum performance
- ALTiN+ coated tool for higher cutting speed

30° HELICAL FLUTE - NPTF - DRYSEAL

THREAD DIA. / PITCH	"A" TOOL DIA.	"B" LENGTH OF CUT	"Q" LENGTH	"S" SHANK DIA.	OAL	FLUTES	ORDER #	
							UNCOATED	ALTiN+
							INTERNAL OR EXTERNAL THREADS	
1/16, 1/8-27	0.218	0.534	0.018	0.250	2.50	4	TM218-27NPTF-H	TM218-27NPTF-HA
1/8-27	0.280	0.758	0.018	0.375	3.50	4	TM280-27NPTF-H	TM280-27NPTF-HA
1/4, 3/8-18	0.330	0.693	0.027	0.375	3.50	4	TM330-18NPTF-H	TM330-18NPTF-HA
1/4, 3/8-18	0.382	0.800	0.027	0.4375	3.50	4	TM382-18NPTF-H	TM382-18NPTF-HA
1/2, 3/4-14	0.430	1.105	0.035	0.500	3.50	4	TM430-14NPTF-H	TM430-14NPTF-HA

All NPT thread mills are crest cutting (full profile)

THREAD MILLS
NPT

SINGLE POINT

INDEXABLE TOOLS

PORT - CAVITY

SPECIALTY