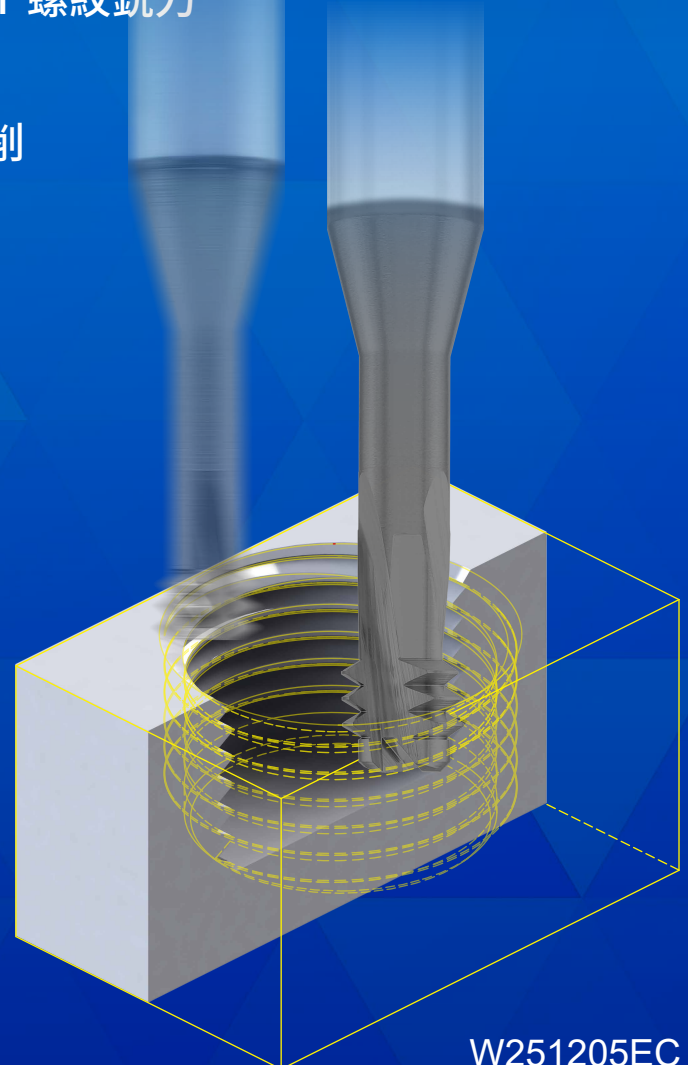


ET Series

Solid Carbide Thread Mills

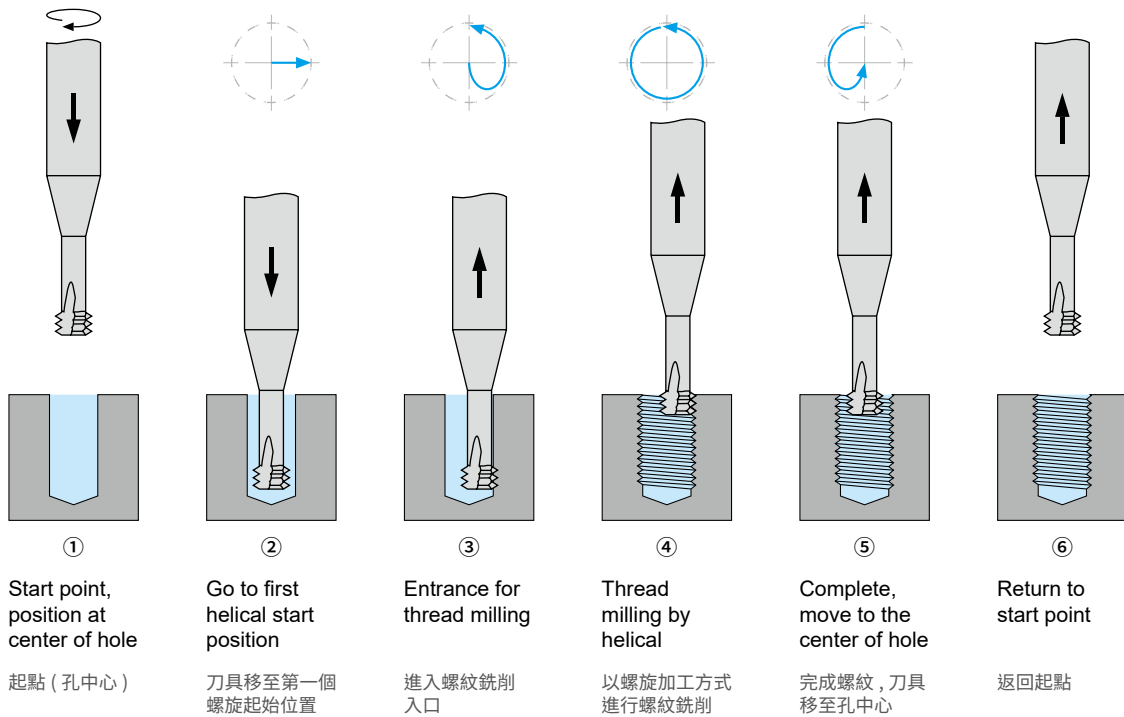
全鎢鋼螺紋銑刀

- Provide ISO M, UN, BSP, BSF, BSPT and NPT thread mills.
- Thread mill types :
 - ETS, ETT, ETTR, ETM, ETML for thread milling.
 - ETL for helical drilling + thread milling + chamfering.
 - ETD for drilling + chamfering + thread milling.
- 提供 ISO M, UN, BSP, BSF, BSPT 及 NPT 螺紋銑刀
- 螺紋銑刀類別：
 - ETS, ETT, ETTR, ETM, ETML 螺紋銑削
 - ETL 螺旋鑽孔 + 螺紋銑削 + 倒角銑削
 - ETD 鑽孔 + 倒角銑削 + 螺紋銑削

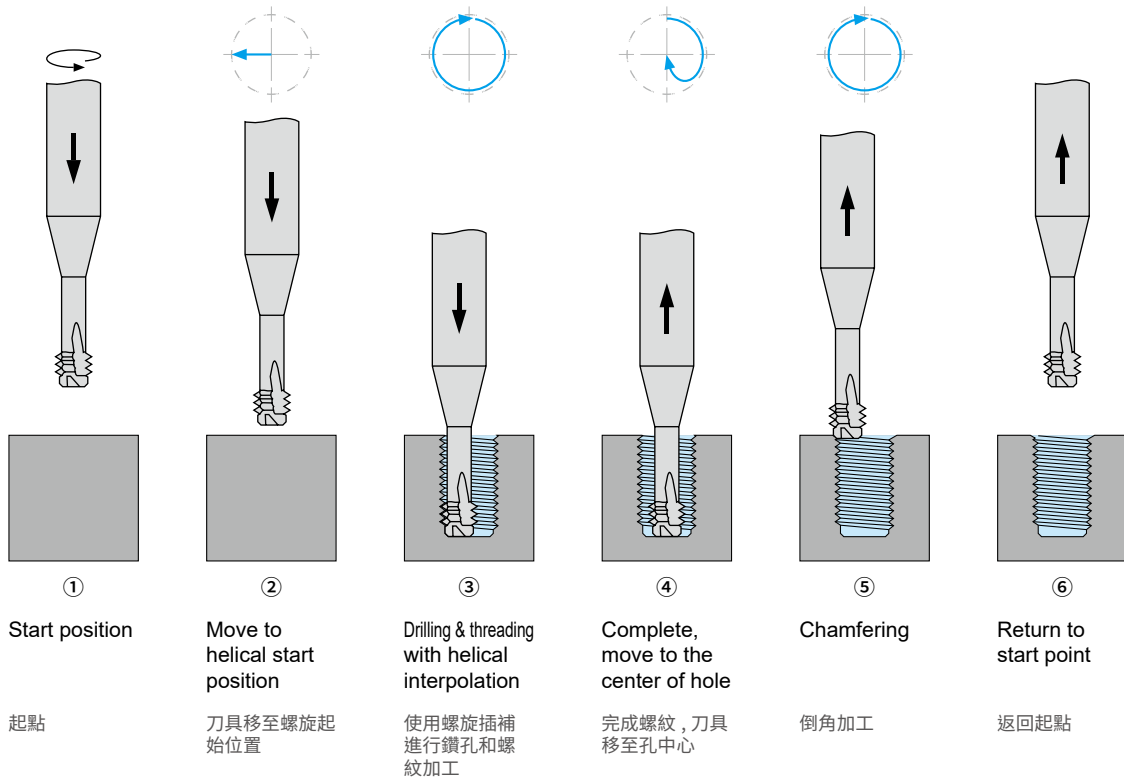


Code No.	Appearance	Pitch		No. of Threads	Thread milling Chamfering Helical drilling Drilling	P	M	K	N	S	H	Page		
ETS (ISO M)	ETSN	TP	0.25~1.75	1	✓							05		
ETT (ISO M, UN)	ETTN	TP	0.35~2.5	3	✓							06		
		TPI	36~10										07	
	ETTN	TP	0.45~2.5	3	✓							06		
		TPI	36~10										07	
ETTR (ISO M, UN)	ETTRN	TP	0.35~2.5	3	✓							08		
		TPI	36~10										09	
	ETTRN	TP	0.45~2.5	3	✓							08		
		TPI	36~10										09	
ETT (BSP, BSF)	ETTNW	TPI	28~11	3	✓							10		
ETL (ISO M, UN)	ETLN	TP	0.7~2.0	3	✓	✓	✓	✓					11	
		TPI	40~11										12	
	(Left hand cutting)	ETLN	TP	0.5~2.0	3	✓	✓	✓	✓					11
			TPI	36~13										12
ETM (ISO M, UN)	ETMN	TP	0.75~2.5	12~24	✓								13	
		TPI	36~8										14	
	ETMN	TP	0.75~2	12~24	✓									13
		TPI												
ETML (ISO M, UN)	ETMLN	TP	0.75~2.5	12~24	✓								15	
		TPI	36~8										16	
	(Left helix and right hand cutting)	ETMLN	TP	0.75~2	12~24	✓								15
			TPI											
ETM□PT (BSPT)	ETMNPT	TPI	28~11	18~25	✓								17	
	ETMCPT	TPI	28~11	18~25	✓								17	
ETM□NT (NPT)	ETMNNT	TPI	27~8	10~15	✓								18	
	ETMCNT	TPI	27~8	10~15	✓								18	
ETD (ISO M)	ETDN	TP	0.8~1.5	11~12	✓	✓							19	

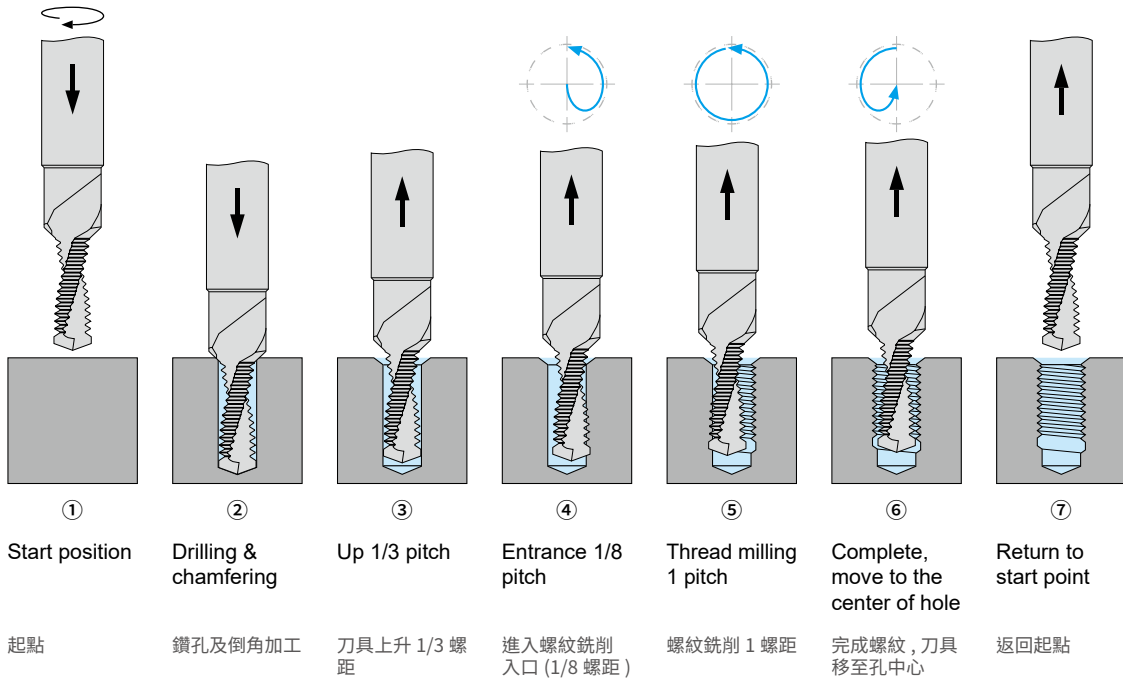
ETS, ETT, ETTR, ETM Cutting Method



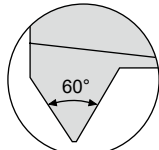
ETL Cutting Method



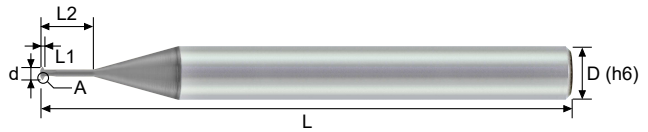
ETD Cutting Method



ETSNM



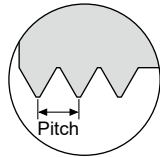
Detail A



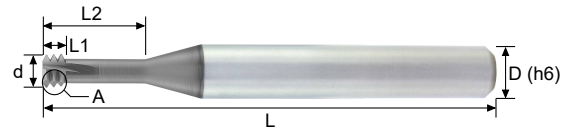
Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETSNM30072025A	M1 × 0.25	0.72	0.25	0.25	1	2.75	42	4	3
ETSNM30091025A	M1.2 × 0.25	0.91	0.25	0.25	1	3.25	42	4	3
ETSNM30105030A	M1.4 × 0.3	1.05	0.30	0.30	1	3.80	42	4	3
ETSNM30120035A	M1.6 × 0.35	1.20	0.35	0.35	1	4.35	42	4	3
ETSNM30130035A	M1.7~M1.8 × 0.35	1.30	0.35	0.35	1	4.85	42	4	3
ETSNM30152040A	M2 × 0.4	1.52	0.40	0.40	1	6	42	4	3
ETSNM30240050A	M3 × 0.5	2.40	0.50	0.50	1	9	42	4	3
ETSNM30315070A	M4 × 0.7	3.15	0.70	0.70	1	12	50	4	3
ETSNM40480100A	M6 × 1	4.80	1.00	1.00	1	18	60	6	4
ETSNM40590125A	M8 × 1.25	5.90	1.25	1.25	1	25	75	6	4
ETSNM50820150A	M10 × 1.5	8.20	1.50	1.50	1	32	75	10	5
ETSNM50990175A	M12 × 1.75	9.90	1.75	1.75	1	38	75	10	5

※Customized specification available.

ETTNM

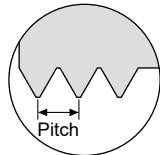


Detail A

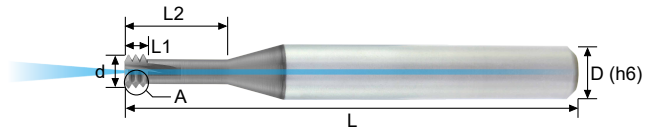


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTNM30135035A	M1.8 × 0.35	1.35	0.35	1.05	3	4.0	50	6	3
ETTNM30150040A	M2 × 0.4	1.5	0.40	1.20	3	4.4	50	6	3
ETTNM30190045A	M2.5 × 0.45	1.9	0.45	1.35	3	5.6	50	6	3
ETTNM30240050A	M3 × 0.5	2.4	0.50	1.50	3	6.5	50	6	3
ETTNM30310070A	M4 × 0.7	3.1	0.70	2.10	3	8.7	50	6	3
ETTNM30400080A	M5 × 0.8	4.0	0.80	2.40	3	10.8	50	6	3
ETTNM30480100A	M6 × 1	4.8	1.00	3.00	3	12.5	50	6	3
ETTNM40650125A	M8 × 1.25	6.5	1.25	3.75	3	16.6	60	8	4
ETTNM40820150A	M10 × 1.5	8.2	1.50	4.50	3	20.8	75	10	4
ETTNM40990175A	M12 × 1.75	9.9	1.75	5.25	3	25.0	75	10	4
ETTNM41190200A	M16 × 2	11.9	2.00	6.00	3	33.0	75	12	4
ETTNM41590250A	M20 × 2.5	15.9	2.50	7.50	3	41.3	100	16	4

ETTCM (with Internal Coolant)

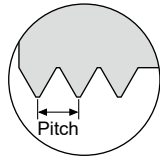


Detail A

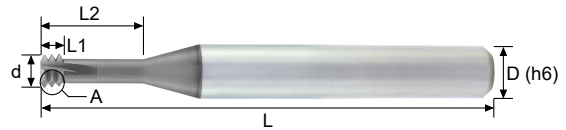


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTCM30190045A	M2.5 × 0.45	1.9	0.45	1.35	3	5.6	50	6	3
ETTCM30240050A	M3 × 0.5	2.4	0.50	1.50	3	6.5	50	6	3
ETTCM30310070A	M4 × 0.7	3.1	0.70	2.10	3	8.7	50	6	3
ETTCM30400080A	M5 × 0.8	4.0	0.80	2.40	3	10.8	50	6	3
ETTCM30480100A	M6 × 1	4.8	1.00	3.00	3	12.5	50	6	3
ETTCM40650125A	M8 × 1.25	6.5	1.25	3.75	3	16.6	60	8	4
ETTCM40820150A	M10 × 1.5	8.2	1.50	4.50	3	20.8	75	10	4
ETTCM40990175A	M12 × 1.75	9.9	1.75	5.25	3	25.0	75	10	4
ETTCM41190200A	M16 × 2	11.9	2.00	6.00	3	33.0	75	12	4
ETTCM41590250A	M20 × 2.5	15.9	2.50	7.50	3	41.3	100	16	4

ETTNU

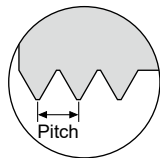


Detail A

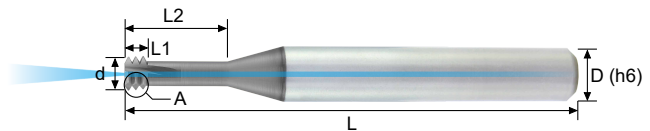


Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF								
ETTNU30331036A		8-36UNF	3.31	36	2.12	3	8.8	50	4	3
ETTNU30257032A	6-32UNC		2.57	32	2.38	3	7.3	50	4	3
ETTNU30322032A	8-32UNC	10-32UNF	3.22	32	2.38	3	10.1	60	6	3
ETTNU30520028A		1/4-28UNF	5.2	28	2.72	3	14	60	6	3
ETTNU40355024A	10-24UNC		3.55	24	3.18	3	10.4	60	6	4
ETTNU40665024A		5/16-24UNF	6.65	24	3.18	3	16.7	60	8	4
ETTNU40485020A	1/4-20UNC	7/16-20UNF	4.85	20	3.81	3	13.7	60	6	4
ETTNU40795020A		7/16-20UNF	7.95	20	3.81	3	24	60	8	4
ETTNU40595018A	5/16-18UNC		5.95	18	4.23	3	16.5	60	6	4
ETTNU40690016A	3/8-16UNC		6.9	16	4.76	3	21	60	8	4
ETTNU40795014A	7/16-14UNC		7.95	14	5.44	3	23.5	60	8	4
ETTNU40930013A	1/2-13UNC		9.3	13	5.86	3	27	80	10	4
ETTNU40995012A	9/16-12UNC		9.95	12	6.35	3	29	80	10	4
ETTNU41150011A	5/8-11UNC		11.5	11	6.93	3	33	80	12	4
ETTNU41440010A	3/4-10UNC		14.4	10	7.62	3	42	110	16	4

ETTCU (with Internal Coolant)



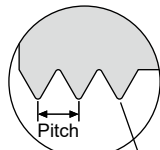
Detail A



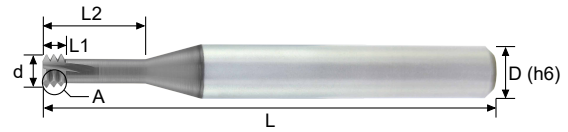
Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF								
ETTCU30331036A		8-36UNF	3.31	36	2.12	3	8.8	50	4	3
ETTCU30257032A	6-32UNC		2.57	32	2.38	3	7.3	50	4	3
ETTCU30322032A	8-32UNC	10-32UNF	3.22	32	2.38	3	10.1	60	6	3
ETTCU30520028A		1/4-28UNF	5.2	28	2.72	3	14	60	6	3
ETTCU40355024A	10-24UNC		3.55	24	3.18	3	10.4	60	6	4
ETTCU40665024A		5/16-24UNF	6.65	24	3.18	3	16.7	60	8	4
ETTCU40485020A	1/4-20UNC	7/16-20UNF	4.85	20	3.81	3	13.7	60	6	4
ETTCU40795020A		7/16-20UNF	7.95	20	3.81	3	24	60	8	4
ETTCU40595018A	5/16-18UNC		5.95	18	4.23	3	16.5	60	6	4
ETTCU40690016A	3/8-16UNC		6.9	16	4.76	3	21	60	8	4
ETTCU40795014A	7/16-14UNC		7.95	14	5.44	3	23.5	60	8	4
ETTCU40930013A	1/2-13UNC		9.3	13	5.86	3	27	80	10	4
ETTCU40995012A	9/16-12UNC		9.95	12	6.35	3	29	80	10	4
ETTCU41150011A	5/8-11UNC		11.5	11	6.93	3	33	80	12	4
ETTCU41440010A	3/4-10UNC		14.4	10	7.62	3	42	110	16	4

※Customized specification available.

ETTRNM

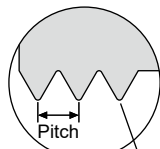


Detail A Tip protection R design

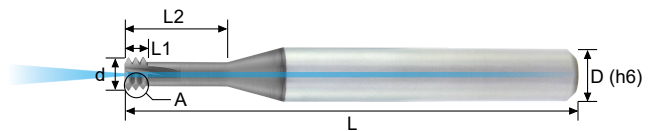


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTRNM30135035A	M1.8 × 0.35	1.35	0.35	1.05	3	4.0	50	6	3
ETTRNM30150040A	M2 × 0.4	1.5	0.40	1.20	3	4.4	50	6	3
ETTRNM30190045A	M2.5 × 0.45	1.9	0.45	1.35	3	5.6	50	6	3
ETTRNM30240050A	M3 × 0.5	2.4	0.50	1.50	3	6.5	50	6	3
ETTRNM30310070A	M4 × 0.7	3.1	0.70	2.10	3	8.7	50	6	3
ETTRNM30400080A	M5 × 0.8	4.0	0.80	2.40	3	10.8	50	6	3
ETTRNM30480100A	M6 × 1	4.8	1.00	3.00	3	12.5	50	6	3
ETTRNM40650125A	M8 × 1.25	6.5	1.25	3.75	3	16.6	60	8	4
ETTRNM40820150A	M10 × 1.5	8.2	1.50	4.50	3	20.8	75	10	4
ETTRNM40990175A	M12 × 1.75	9.9	1.75	5.25	3	25.0	75	10	4
ETTRNM41190200A	M16 × 2	11.9	2.00	6.00	3	33.0	75	12	4
ETTRNM41590250A	M20 × 2.5	15.9	2.50	7.50	3	41.3	100	16	4

ETTRCM (with Internal Coolant)



Detail A Tip protection R design



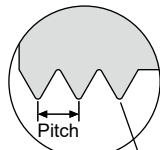
Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTRCM30190045A	M2.5 × 0.45	1.9	0.45	1.35	3	5.6	50	6	3
ETTRCM30240050A	M3 × 0.5	2.4	0.50	1.50	3	6.5	50	6	3
ETTRCM30310070A	M4 × 0.7	3.1	0.70	2.10	3	8.7	50	6	3
ETTRCM30400080A	M5 × 0.8	4.0	0.80	2.40	3	10.8	50	6	3
ETTRCM30480100A	M6 × 1	4.8	1.00	3.00	3	12.5	50	6	3
ETTRCM40650125A	M8 × 1.25	6.5	1.25	3.75	3	16.6	60	8	4
ETTRCM40820150A	M10 × 1.5	8.2	1.50	4.50	3	20.8	75	10	4
ETTRCM40990175A	M12 × 1.75	9.9	1.75	5.25	3	25.0	75	10	4
ETTRCM41190200A	M16 × 2	11.9	2.00	6.00	3	33.0	75	12	4
ETTRCM41590250A	M20 × 2.5	15.9	2.50	7.50	3	41.3	100	16	4

※Customized specification available.

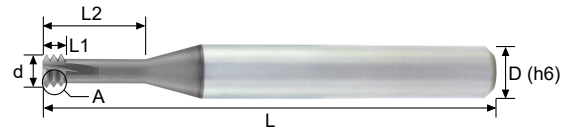
ETTR - Carbide Thread Mills · UN

全鎢鋼螺紋銑刀 - UN

ETTRNU

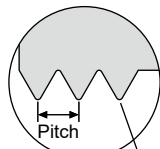


Detail A Tip protection R design

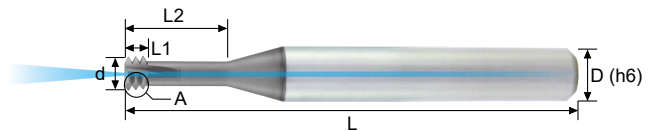


Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF								
ETTRNU30331036A		8-36UNF	3.31	36	2.12	3	8.8	50	4	3
ETTRNU30257032A	6-32UNC		2.57	32	2.38	3	7.3	50	4	3
ETTRNU30322032A	8-32UNC	10-32UNF	3.22	32	2.38	3	10.1	60	6	3
ETTRNU30520028A		1/4-28UNF	5.2	28	2.72	3	14	60	6	3
ETTRNU40355024A	10-24UNC		3.55	24	3.18	3	10.4	60	6	4
ETTRNU40665024A		5/16-24UNF	6.65	24	3.18	3	16.7	60	8	4
ETTRNU40485020A	1/4-20UNC	7/16-20UNF	4.85	20	3.81	3	13.7	60	6	4
ETTRNU40795020A		7/16-20UNF	7.95	20	3.81	3	24	60	8	4
ETTRNU40595018A	5/16-18UNC		5.95	18	4.23	3	16.5	60	6	4
ETTRNU40690016A	3/8-16UNC		6.9	16	4.76	3	21	60	8	4
ETTRNU40795014A	7/16-14UNC		7.95	14	5.44	3	23.5	60	8	4
ETTRNU40930013A	1/2-13UNC		9.3	13	5.86	3	27	80	10	4
ETTRNU40995012A	9/16-12UNC		9.95	12	6.35	3	29	80	10	4
ETTRNU41150011A	5/8-11UNC		11.5	11	6.93	3	33	80	12	4
ETTRNU41440010A	3/4-10UNC		14.4	10	7.62	3	42	110	16	4

ETTRCU (with Internal Coolant)



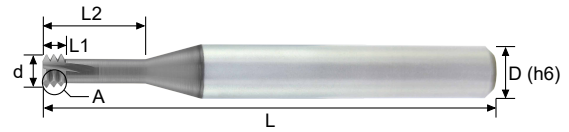
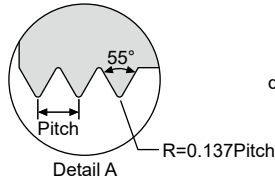
Detail A Tip protection R design



Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF								
ETTRCU30331036A		8-36UNF	3.31	36	2.12	3	8.8	50	4	3
ETTRCU30257032A	6-32UNC		2.57	32	2.38	3	7.3	50	4	3
ETTRCU30322032A	8-32UNC	10-32UNF	3.22	32	2.38	3	10.1	60	6	3
ETTRCU30520028A		1/4-28UNF	5.2	28	2.72	3	14	60	6	3
ETTRCU40355024A	10-24UNC		3.55	24	3.18	3	10.4	60	6	4
ETTRCU40665024A		5/16-24UNF	6.65	24	3.18	3	16.7	60	8	4
ETTRCU40485020A	1/4-20UNC	7/16-20UNF	4.85	20	3.81	3	13.7	60	6	4
ETTRCU40795020A		7/16-20UNF	7.95	20	3.81	3	24	60	8	4
ETTRCU40595018A	5/16-18UNC		5.95	18	4.23	3	16.5	60	6	4
ETTRCU40690016A	3/8-16UNC		6.9	16	4.76	3	21	60	8	4
ETTRCU40795014A	7/16-14UNC		7.95	14	5.44	3	23.5	60	8	4
ETTRCU40930013A	1/2-13UNC		9.3	13	5.86	3	27	80	10	4
ETTRCU40995012A	9/16-12UNC		9.95	12	6.35	3	29	80	10	4
ETTRCU41150011A	5/8-11UNC		11.5	11	6.93	3	33	80	12	4
ETTRCU41440010A	3/4-10UNC		14.4	10	7.62	3	42	110	16	4

※Customized specification available.

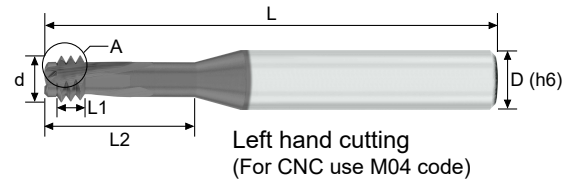
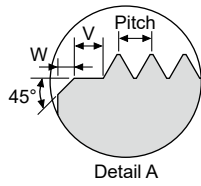
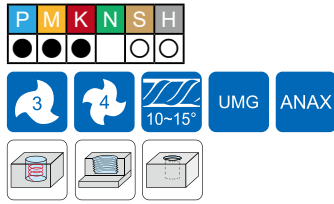
ETTNW · For internal or external BSP and BSF threads



Order No.	Thread Size	Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTNW30780028A	G 1/8	7.8	28	2.72	3	19.5	60	8	3
ETTNW41000019A	G 1/4-3/8	10	19	4.01	3	30	75	10	4
ETTNW41200014A	G 1/2-7/8	12	14	5.44	3	37	75	12	4
ETTNW41600011A	G ≥ 1	16	11	6.93	3	44	100	16	4

ETLNM

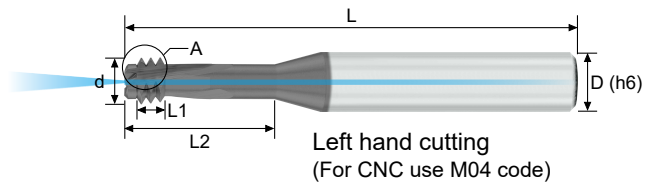
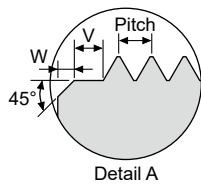
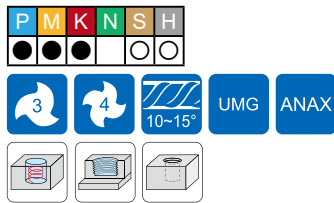
Suitable for : 1. Helical drilling
2. Thread milling
3. Chamfering



Left hand cutting
(For CNC use M04 code)

Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETLNM30315070A	M4 × 0.7	3.15	0.7	2.10	3	11.6	0.2	0.7	58	6	3
ETLNM30400080A	M5 × 0.8	4.00	0.8	2.40	3	14.4	0.3	0.8	58	6	3
ETLNM30470100A	M6 × 1	4.70	1.0	3.00	3	14.4	0.4	1.0	64	8	3
ETLNM40610120A	M8 × 1.25	6.10	1.25	3.75	3	19.0	0.5	1.25	64	8	4
ETLNM40780150A	M10 × 1.5	7.80	1.5	4.50	3	23.6	0.6	1.5	64	8	4
ETLNM40900170A	M12 × 1.75	9.00	1.75	5.25	3	28.1	0.6	1.75	73	10	4
ETLNM41180200A	M16 × 2	11.80	2.0	6.00	3	36.6	0.6	2.0	84	12	4

ETLCM (with Internal Coolant)



Left hand cutting
(For CNC use M04 code)

Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETLCM30240050A	M3 × 0.5	2.4	0.50	1.50	3	7.2	0.2	0.5	58	6	3
ETLCM30315070A	M4 × 0.7	3.15	0.70	2.10	3	11.6	0.2	0.7	58	6	3
ETLCM30400080A	M5 × 0.8	4.0	0.80	2.40	3	14.4	0.3	0.8	58	6	3
ETLCM30470100A	M6 × 1	4.7	1.00	3.00	3	14	0.4	1.0	64	8	3
ETLCM30470101A	M6 × 1	4.7	1.00	3.00	3	20.4	0.4	1.0	64	8	3
ETLCM40610120A	M8 × 1.25	6.1	1.25	3.75	3	18	0.5	1.25	64	8	4
ETLCM40610121A	M8 × 1.25	6.1	1.25	3.75	3	27	0.5	1.25	64	8	4
ETLCM40780150A	M10 × 1.5	7.8	1.50	4.50	3	23	0.6	1.5	64	8	4
ETLCM40900170A	M12 × 1.75	9.0	1.75	5.25	3	26	0.6	1.75	73	10	4
ETLCM41180200A	M16 × 2	11.8	2.00	6.00	3	35	0.6	2.0	84	12	4

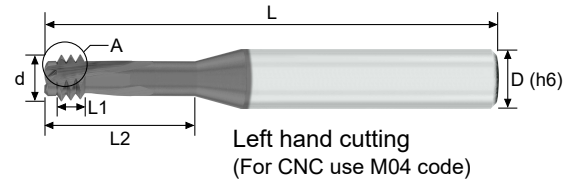
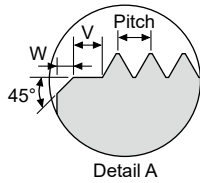
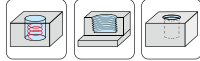
※Customized specification available.

ETL - Carbide Chamfer Thread Mills · UN

全鎢鋼螺紋銑刀 - UN

ETLNU

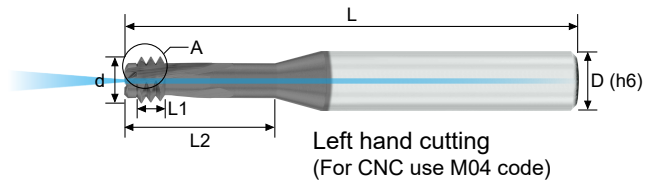
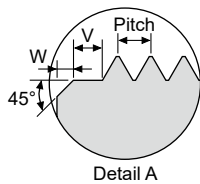
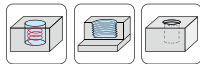
Suitable for : 1. Helical drilling
2. Thread milling
3. Chamfering



Left hand cutting
(For CNC use M04 code)

Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF										
ETLNU30210040A	4-40UNC	6-40UNF	2.10	40	1.91	3	7.0	0.1	0.6	58	6	3
ETLNU30260032A	6-32UNC		2.60	32	2.38	3	8.7	0.1	0.8	58	6	3
ETLNU30500028A		1/4-28UNF	5.00	28	2.72	3	14.9	0.4	0.9	64	8	3
ETLNU40650024A		5/16-24UNF	6.50	24	3.18	3	18.5	0.5	1.05	64	8	4
ETLNU40480020A	1/4-20UNC		4.80	20	3.81	3	15.6	0.4	1.25	64	8	4
ETLNU40600018A	5/16-18UNC		6.00	18	4.23	3	19.2	0.5	1.4	64	8	4
ETLNU40670016A	3/8-16UNC		6.70	16	4.76	3	22.8	0.5	1.6	64	8	4
ETLNU40920013A	1/2-13UNC		9.20	13	5.86	3	30.0	0.6	2.0	73	10	4
ETLNU41140011A	5/8-11UNC		11.40	11	6.93	3	37.0	0.6	2.3	84	12	4

ETLCU (with Internal Coolant)

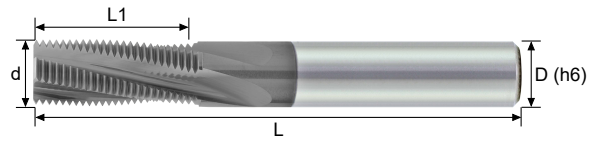


Left hand cutting
(For CNC use M04 code)

Order No.	Thread Size		Dia. (d)	TPI	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF										
ETLCU30330036A		8-36UNF	3.3	36	2.12	3	12	0.2	0.7	58	6	3
ETLCU30260032A	6-32UNC		2.6	32	2.38	3	8.7	0.2	0.8	58	6	3
ETLCU30320032A	8-32UNC		3.2	32	2.38	3	12.3	0.3	0.8	58	6	3
ETLCU30380032A		10-32UNF	3.8	32	2.38	3	14	0.3	0.8	58	6	3
ETLCU30500028A		1/4-28UNF	5	28	2.72	3	14.5	0.4	0.9	64	8	3
ETLCU30350024A	10-24UNC		3.5	24	3.18	3	12.1	0.3	1.05	58	6	3
ETLCU40650024A		5/16-24UNF	6.5	24	3.18	3	17	0.5	1.05	64	8	4
ETLCU40480020A	1/4-20UNC		4.8	20	3.81	3	14	0.4	1.25	64	8	4
ETLCU40600018A	5/16-18UNC		6	18	4.23	3	17	0.5	1.4	64	8	4
ETLCU40670016A	3/8-16UNC		6.7	16	4.76	3	22	0.5	1.6	64	8	4
ETLCU40800014A	7/16-14UNC		8	14	5.44	3	26.5	0.6	1.8	64	8	4
ETLCU40100013A	1/2-13UNC		10	13	5.86	3	29.8	0.6	2.0	73	10	4

※Customized specification available.

ETMNM

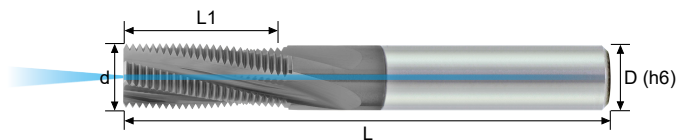


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMNM30390075A	M6 × 0.75	3.90	0.75	12.00 *	16	50	6	3
ETMNM30390100A	M6 × 1	3.90	1.00	12.00 *	12	50	6	3
ETMNM30590100A	M8 × 1	5.90	1.00	16.00	16	60	6	3
ETMNM30580125A	M8 × 1.25	5.80	1.25	16.25	13	60	6	3
ETMNM30790100A	M10 × 1	7.90	1.00	20.00	20	60	8	3
ETMNM30770125A	M10 × 1.25	7.70	1.25	20.00	16	60	8	3
ETMNM30770150A	M10 × 1.5	7.70	1.50	21.00	14	60	8	3
ETMNM40990100A	M12 × 1	9.90	1.00	24.00	24	75	10	4
ETMNM40940150A	M12 × 1.5	9.40	1.50	24.00	16	75	10	4
ETMNM40870175A	M12 × 1.75	8.70	1.75	24.50 *	14	75	10	4
ETMNM41120150A	M14 × 1.5	11.20	1.50	28.50	19	75	12	4
ETMNM40990200A	M14 × 2	9.90	2.00	28.00	14	75	10	4
ETMNM41190150A	M16 × 1.5	11.90	1.50	33.00	22	100	12	4
ETMNM41190200A	M16 × 2	11.90	2.00	32.00	16	100	12	4
ETMNM51370250A	M20 × 2.5	13.70	2.50	45.00 *	18	133	16	5

* Increase neck length 2~5mm

※Customized specification available.

ETMCM (with Internal Coolant)

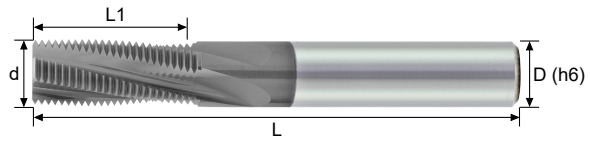


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMCM30390075A	M6 × 0.75	3.90	0.75	12.00 *	16	50	6	3
ETMCM30390100A	M6 × 1	3.90	1.00	12.00 *	12	50	6	3
ETMCM30590100A	M8 × 1	5.90	1.00	16.00	16	60	6	3
ETMCM30580125A	M8 × 1.25	5.80	1.25	16.25	13	60	6	3
ETMCM30790100A	M10 × 1	7.90	1.00	20.00	20	60	8	3
ETMCM30770125A	M10 × 1.25	7.70	1.25	20.00	16	60	8	3
ETMCM30770150A	M10 × 1.5	7.70	1.50	21.00	14	60	8	3
ETMCM40990100A	M12 × 1	9.90	1.00	24.00	24	75	10	4
ETMCM40940150A	M12 × 1.5	9.40	1.50	24.00	16	75	10	4
ETMCM40870175A	M12 × 1.75	8.70	1.75	24.50 *	14	75	10	4
ETMCM41120150A	M14 × 1.5	11.20	1.50	28.50	19	75	12	4
ETMCM40990200A	M14 × 2	9.90	2.00	28.00	14	75	10	4
ETMCM41190150A	M16 × 1.5	11.90	1.50	33.00	22	100	12	4
ETMCM41190200A	M16 × 2	11.90	2.00	32.00	16	100	12	4

* Increase neck length 2~5mm

※Customized specification available.

ETMNU



Order No.	Thread Size			Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF	UNEF							
ETMNU30300036A		No.8		3.0	36	8.5	12	50	4	3
ETMNU30330032A		No.10	No.12-3/8"	3.3	32	11.1	14	50	4	3
ETMNU30380028A		No.12, 1/4"	7/16", 1/2"	3.8	28	11.8	13	50	4	3
ETMNU30460028A		1/4"	7/16, 1/2"	4.6	28	12.7 *	14	60	6	3
ETMNU40920028A			7/16", 1/2"	9.2	28	22.7	25	75	10	4
ETMNU30290024A	No.10	5/16", 3/8"	9/16"-11/16"	2.9	24	10.6 *	10	50	4	3
ETMNU30350024A	No.12	5/16", 3/8"	9/16"-11/16"	3.5	24	11.6	11	50	4	3
ETMNU30570024A		5/16", 3/8"	9/16"-11/16"	5.7	24	15.9	15	60	6	3
ETMNU30740024A		3/8"	9/16"-11/16"	7.4	24	19.1	18	60	8	3
ETMNU41190024A			9/16"-11/16"	11.9	24	28.6	27	100	12	4
ETMNU30390020A	1/4"	7/16", 1/2"	3/4"-1"	3.9	20	12.7	10	50	4	3
ETMNU40850020A		7/16", 1/2"	3/4"-1"	8.5	20	22.9 *	18	75	10	4
ETMNU40990020A		1/2"	3/4"-1"	9.9	20	25.4	20	75	10	4
ETMNU51590020A			3/4"-1"	15.9	20	38.1	30	100	16	5
ETMNU30520018A	5/16"	9/16", 5/8"	11/16"-1 11/16"	5.2	18	16.9	12	60	6	3
ETMNU41130018A		9/16", 5/8"	11/16"-1 11/16"	11.3	18	29.6	21	100	12	4
ETMNU41190018A		5/8"	11/16"-1 11/16"	11.9	18	32.5	23	100	12	4
ETMNU30670016A	3/8"	3/4"		6.7	16	19.1 *	12	60	8	3
ETMNU41590016A		3/4"		15.9	16	38.1	24	100	16	4
ETMNU40760014A	7/16"	7/8"		7.6	14	23.6	13	60	8	4
ETMNU41870014A		7/8"		18.7	14	44.4 *	24	100	20	4
ETMNU40890013A	1/2"			8.9	13	25.4	13	75	10	4
ETMNU41030012A	9/16"	1"-1 1/2"		10.3	12	29.6 *	14	100	12	4
ETMNU51990012A		1"-1 1/2"		19.9	12	50.8	24	100	20	5
ETMNU41100011A	5/8"			11.0	11	32.3	14	100	12	4
ETMNU51350010A	3/4"			13.5	10	38.1 *	15	100	16	5
ETMNU41520009A	7/8"			15.2	9	45.2	16	100	16	4
ETMNU41700008A	1"			17.0	8	50.8 *	16	100	20	4

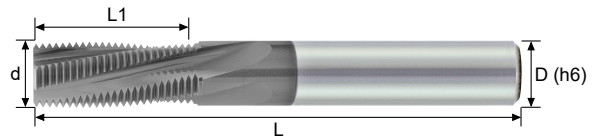
* Increase neck length 2~5mm

ETML - Carbide Thread Mills · ISO M

全鎢鋼螺紋銑刀 - ISO M

ETMLNM

- Multi-Tooth for one pass thread milling.
- Left helix and right hand cutting.

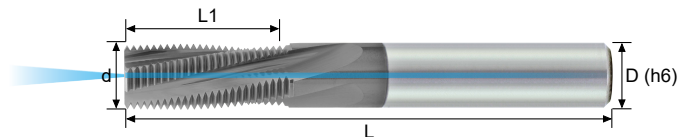


Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMLNM30390075A	M6 × 0.75	3.90	0.75	12.00	16	60	6	3
ETMLNM30390100A	M6 × 1	3.90	1.00	12.00	12	60	6	3
ETMLNM30590100A	M8 × 1	5.90	1.00	16.00	16	75	6	3
ETMLNM30580125A	M8 × 1.25	5.80	1.25	16.25	13	75	6	3
ETMLNM30790100A	M10 × 1	7.90	1.00	20.00	20	75	8	3
ETMLNM30770125A	M10 × 1.25	7.70	1.25	20.00	16	75	8	3
ETMLNM30770150A	M10 × 1.5	7.70	1.50	21.00	14	75	8	3
ETMLNM40990100A	M12 × 1	9.90	1.00	24.00	24	75	10	4
ETMLNM40940150A	M12 × 1.5	9.40	1.50	24.00	16	75	10	4
ETMLNM40870175A	M12 × 1.75	8.70	1.75	24.50	14	75	10	4
ETMLNM41120150A	M14 × 1.5	11.20	1.50	28.50	19	75	12	4
ETMLNM40990200A	M14 × 2	9.90	2.00	28.00	14	75	10	4
ETMLNM41190150A	M16 × 1.5	11.90	1.50	33.00	22	100	12	4
ETMLNM41190200A	M16 × 2	11.90	2.00	32.00	16	100	12	4
ETMLNM51370250A	M20 × 2.5	13.70	2.50	45.00	18	100	16	5

※Customized specification available.

ETMLCM

- Multi-Tooth for one pass thread milling.
- Left helix and right hand cutting.



Order No.	Thread Size	Dia. (d)	Pitch	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMLCM30390075A	M6 × 0.75	3.90	0.75	12.00	16	60	6	3
ETMLCM30390100A	M6 × 1	3.90	1.00	12.00	12	60	6	3
ETMLCM30590100A	M8 × 1	5.90	1.00	16.00	16	75	6	3
ETMLCM30580125A	M8 × 1.25	5.80	1.25	16.25	13	75	6	3
ETMLCM30790100A	M10 × 1	7.90	1.00	20.00	20	75	8	3
ETMLCM30770125A	M10 × 1.25	7.70	1.25	20.00	16	75	8	3
ETMLCM30770150A	M10 × 1.5	7.70	1.50	21.00	14	75	8	3
ETMLCM40990100A	M12 × 1	9.90	1.00	24.00	24	75	10	4
ETMLCM40940150A	M12 × 1.5	9.40	1.50	24.00	16	75	10	4
ETMLCM40870175A	M12 × 1.75	8.70	1.75	24.50	14	75	10	4
ETMLCM41120150A	M14 × 1.5	11.20	1.50	28.50	19	75	12	4
ETMLCM40990200A	M14 × 2	9.90	2.00	28.00	14	75	10	4
ETMLCM41190150A	M16 × 1.5	11.90	1.50	33.00	22	100	12	4
ETMLCM41190200A	M16 × 2	11.90	2.00	32.00	16	100	12	4

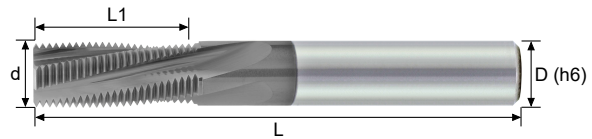
※Customized specification available.

ETML - Carbide Thread Mills · UN

全鎢鋼螺紋銑刀 - UN

ETMLNU

- Multi-Tooth for one pass thread milling.
- Left helix and right hand cutting.



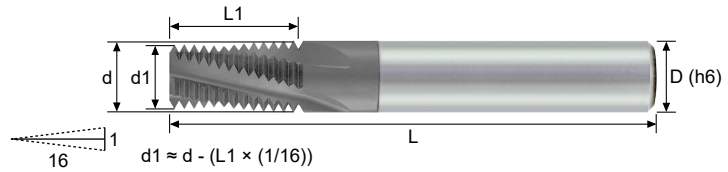
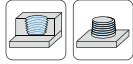
Order No.	Thread Size			Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
	UNC	UNF	UNEF							
ETMLNU30300036A		No.8		3.0	36	8.5	12	60	4	3
ETMLNU30330032A		No.10	No.12-3/8"	3.3	32	11.1	14	60	4	3
ETMLNU30380028A		No.12, 1/4"	7/16", 1/2"	3.8	28	11.8	13	60	4	3
ETMLNU30460028A		1/4"	7/16, 1/2"	4.6	28	12.7	14	60	6	3
ETMLNU40920028A			7/16", 1/2"	9.2	28	22.7	25	75	10	4
ETMLNU30290024A	No.10	5/16", 3/8"	9/16"-11/16"	2.9	24	10.6	10	60	4	3
ETMLNU30350024A	No.12	5/16", 3/8"	9/16"-11/16"	3.5	24	11.6	11	60	4	3
ETMLNU30570024A		5/16", 3/8"	9/16"-11/16"	5.7	24	15.9	15	75	6	3
ETMLNU30740024A		3/8"	9/16"-11/16"	7.4	24	19.1	18	75	8	3
ETMLNU41190024A			9/16"-11/16"	11.9	24	28.6	27	100	12	4
ETMLNU30390020A	1/4"	7/16", 1/2"	3/4"-1"	3.9	20	12.7	10	60	4	3
ETMLNU40850020A		7/16", 1/2"	3/4"-1"	8.5	20	22.9	18	75	10	4
ETMLNU40990020A		1/2"	3/4"-1"	9.9	20	25.4	20	75	10	4
ETMLNU51590020A			3/4"-1"	15.9	20	38.1	30	100	16	5
ETMLNU30520018A	5/16"	9/16", 5/8"	11/16"-1 11/16"	5.2	18	16.9	12	75	6	3
ETMLNU41130018A		9/16", 5/8"	11/16"-1 11/16"	11.3	18	29.6	21	100	12	4
ETMLNU41190018A		5/8"	11/16"-1 11/16"	11.9	18	32.5	23	100	12	4
ETMLNU30670016A	3/8"	3/4"		6.7	16	19.1	12	75	8	3
ETMLNU41590016A		3/4"		15.9	16	38.1	24	100	16	4
ETMLNU40760014A	7/16"	7/8"		7.6	14	23.6	13	75	8	4
ETMLNU41870014A		7/8"		18.7	14	44.4	24	100	20	4
ETMLNU40890013A	1/2"			8.9	13	25.4	13	75	10	4
ETMLNU41030012A	9/16"	1"-1 1/2"		10.3	12	29.6	14	100	12	4
ETMLNU51990012A		1"-1 1/2"		19.9	12	50.8	24	100	20	5
ETMLNU41100011A	5/8"			11.0	11	32.3	14	100	12	4
ETMLNU51350010A	3/4"			13.5	10	38.1	15	100	16	5
ETMLNU41520009A	7/8"			15.2	9	45.2	16	100	16	4
ETMLNU41700008A	1"			17.0	8	50.8	16	100	20	4

※Customized specification available.

ETM□PT - Carbide Thread Mills · BSPT

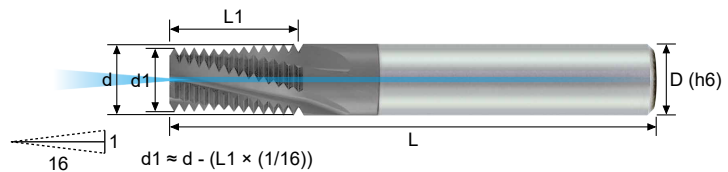
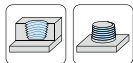
全鎢鋼管用錐形螺紋銑刀 - BSPT

ETMNPT



Order No.	Thread Size	Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMNPT305828A	1/16"×28	5.8	28	16.3	18	60	6	3	6.7
ETMNPT307728A	1/8"×28	7.7	28	20	22	60	8	3	8.7
ETMNPT409919A	1/4"×19	9.9	19	26.7	20	75	10	4	11.8
ETMNPT413419A	3/8"×19	13.4	19	33.4	25	100	16	4	15.2
ETMNPT415714A	1/2"×14, 3/4"×14	15.7	14	43.5	24	100	16	4	19.0
ETMNPT419911A	1"×11, 1 1/2"×11, 2"×11, 2 1/2"×11	19.9	11	41.6	18	100	20	4	30.7

ETMCPT (with Internal Coolant)

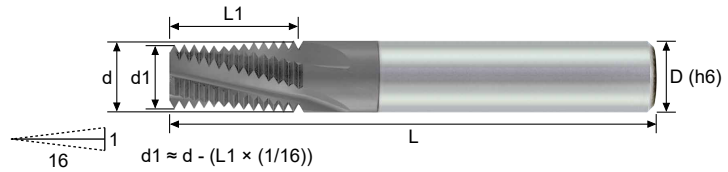
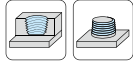


Order No.	Thread Size	Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMCPT305828A	1/16"×28	5.8	28	16.3	18	60	6	3	6.7
ETMCPT307728A	1/8"×28	7.7	28	20	22	60	8	3	8.7
ETMCPT409919A	1/4"×19	9.9	19	26.7	20	75	10	4	11.8
ETMCPT413419A	3/8"×19	13.4	19	33.4	25	100	16	4	15.2
ETMCPT415714A	1/2"×14, 3/4"×14	15.7	14	43.5	24	100	16	4	19.0
ETMCPT419911A	1"×11, 1 1/2"×11, 2"×11, 2 1/2"×11	19.9	11	41.6	18	100	20	4	30.7

ETM□NT - Carbide Thread Mills · NPT

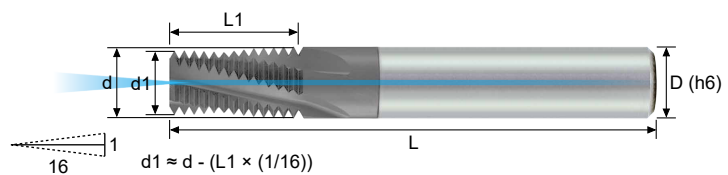
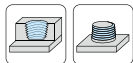
全鎢鋼管用錐形螺紋銑刀 - NPT

ETMNNT



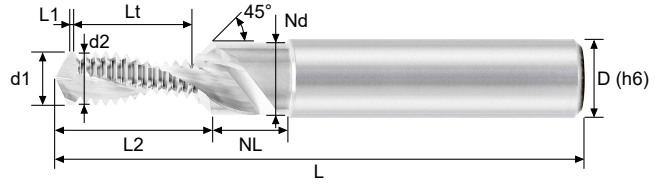
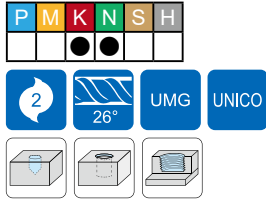
Order No.	Thread Size	Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMNNT305327A	1/16"×27	5.3	27	9.4	10	60	6	3	6.3
ETMNNT407527A	1/8"×27	7.5	27	9.4	10	60	8	4	8.5
ETMNNT409418A	1/4"×18	9.4	18	14.1	10	75	10	4	11.1
ETMNNT411918A	3/8"×18	11.9	18	14.1	10	75	12	4	14.5
ETMNNT410714A	1/2"×14	10.7	14	21.7	12	75	12	4	17.7
ETMNNT415514A	1/2"×14, 3/4"×14	15.5	14	25.4	14	100	16	4	17.7~23
ETMNNT419911A	1-2"×11.5	19.9	11.5	33.1	15	100	20	4	29~56
ETMNNT419908A	2 1/2"×8, 3"×8	19.9	8	38.1	12	100	20	4	66.5

ETMCNT (with Internal Coolant)



Order No.	Thread Size	Dia. (d)	TPI	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMCNT305327A	1/16"×27	5.3	27	9.4	10	60	6	3	6.3
ETMCNT407527A	1/8"×27	7.5	27	9.4	10	60	8	4	8.5
ETMCNT409418A	1/4"×18	9.4	18	14.1	10	75	10	4	11.1
ETMCNT411918A	3/8"×18	11.9	18	14.1	10	75	12	4	14.5
ETMCNT410714A	1/2"×14	10.7	14	21.7	12	75	12	4	17.7
ETMCNT415514A	1/2"×14, 3/4"×14	15.5	14	25.4	14	100	16	4	17.7~23
ETMCNT419911A	1-2"×11.5	19.9	11.5	33.1	15	100	20	4	29~56
ETMCNT419908A	2 1/2"×8, 3"×8	19.9	8	38.1	12	100	20	4	66.5

ETDNM



Order No.	Thread Size	d1	Pitch	d2	Lt	L1	L2	No. of Threads	Nd	NL	L	D	h	Coating
ETDNM20420080	M5 × 0.8	4.2	0.80	4.00	9.60	0.8	11.9	12	5.7	6.1	55	6	0.46	
ETDNM20500100	M6 × 1	5.0	1.00	4.85	11.00	1.0	13.7	11	6.6	9.5	60	8	0.58	
ETDNM20680125	M8 × 1.25	6.8	1.25	6.45	13.75	1.3	17.1	11	9.0	16.8	75	10	0.72	
ETDNM20850150	M10 × 1.5	8.5	1.50	8.08	18.00	1.5	22.1	12	11.0	11.6	80	12	0.87	
ETDNM20420080U	M5 × 0.8	4.2	0.80	4.00	9.60	0.8	11.9	12	5.7	6.1	55	6	0.46	•
ETDNM20500100U	M6 × 1	5.0	1.00	4.85	11.00	1.0	13.7	11	6.6	9.5	60	8	0.58	•
ETDNM20680125U	M8 × 1.25	6.8	1.25	6.45	13.75	1.3	17.1	11	9.0	16.8	75	10	0.72	•
ETDNM20850150U	M10 × 1.5	8.5	1.50	8.08	18.00	1.5	22.1	12	11.0	11.6	80	12	0.87	•

* Maximum chamfering depth = (Nd - d1) × 0.5

Recommended Cutting Conditions

建議切削數據

For ETS, ETT, ETC, ETL

Work Material	Vc (m/min)	Feed (mm/t)
Carbon Steel / Alloy Steel	60 ~ 90	0.02 ~ 0.08
Stainless Steel	60 ~ 90	0.02 ~ 0.08
Cast Iron	50 ~ 100	0.03 ~ 0.10
Aluminum Alloy	50 ~ 100	0.02 ~ 0.06
Super Alloy	20 ~ 60	0.01 ~ 0.03
Hardened Steel	30 ~ 60	0.01 ~ 0.03

For ETM

Work Material	Vc (m/min)	Feed (mm/t)
Carbon Steel / Alloy Steel	50 ~ 70	0.02 ~ 0.07
Stainless Steel	50 ~ 70	0.02 ~ 0.07
Cast Iron	50 ~ 100	0.03 ~ 0.10
Aluminum Alloy	50 ~ 70	0.03 ~ 0.10
Super Alloy	20 ~ 60	0.01 ~ 0.03
Hardened Steel	25 ~ 50	0.01 ~ 0.05

For ETML

Work Material	Vc (m/min)	Feed (mm/t)
Carbon Steel / Alloy Steel	50 ~ 100	0.01 ~ 0.05
Stainless Steel	40 ~ 70	0.01 ~ 0.05
Cast Iron	50 ~ 100	0.01 ~ 0.05
Aluminum Alloy	70 ~ 200	0.05 ~ 0.15
Super Alloy	-	-
Hardened Steel (HRC <45)	25 ~ 50	0.01 ~ 0.05

For ETD

Work Material	Vc (m/min)	Drilling f (mm/rev)		Thread milling fz (mm)		
		≤ 6mm	≤ 12mm	≤ 6mm	≤ 12mm	
K	Grey Cast Iron	55 ~ 85	0.07 ~ 0.105	0.105 ~ 0.154	0.014 ~ 0.035	0.035 ~ 0.07
	Grey Cast Iron (Heat Treated)	55 ~ 85	0.07 ~ 0.105	0.105 ~ 0.154	0.014 ~ 0.035	0.035 ~ 0.07
N	Short Chips, Brass, Bronze	70 ~ 280	0.07 ~ 0.210	0.042 ~ 0.070	0.021 ~ 0.042	0.042 ~ 0.07
	Aluminium, Cast Alloy (Si<10%)	70 ~ 280	0.07 ~ 0.175	0.175 ~ 0.210	0.021 ~ 0.042	0.042 ~ 0.07
	Aluminium, Cast Alloy (Si≥10%)	70 ~ 280	0.07 ~ 0.175	0.175 ~ 0.210	0.021 ~ 0.042	0.042 ~ 0.07
	Thermoplastics	40 ~ 80	0.07 ~ 0.175	0.175 ~ 0.210	0.021 ~ 0.042	0.042 ~ 0.07

※ To choose uncoated tool for aluminum materials machining.