

Threading

牙刀具



- Thread Milling Tools
 - ETS Solid Carbide Thread Mills
 - ETT Solid Carbide Thread Mills
 - ETC Solid Carbide Thread Mills
 - ETL Solid Carbide Thread Mills
 - ETM Solid Carbide Thread Mills
 - NEW - ETM...N Solid Carbide Thread Mills (NPT)
 - ETD Drill&Thread Mills
 - NEW - LNEX Thread Milling Inserts
 - NEW - CXMT Indexable Thread Milling Holders

- Thread Turning Tools
 - Solid Carbide Thread Turning Bars
 - Thread Turning Inserts
 - Thread Turning Holders

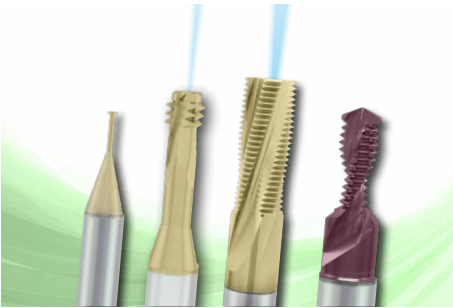
- Tapping Tools
 - NEW - TKS Solid Carbide Spiral Fluted Taps
 - NEW - TKT Solid Carbide Straight Fluted Taps
 - THT Solid Carbide Straight Fluted Taps
 - TNF Solid Carbide Forming Taps

- 銑牙刀具 E002
 - ETS 全鎢鋼銑牙刀 E006
 - ETT 全鎢鋼銑牙刀 E007
 - ETC 全鎢鋼銑牙刀 E009
 - ETL 全鎢鋼銑牙刀 E011
 - ETM 全鎢鋼銑牙刀 E013
 - ETM...N 全鎢鋼銑牙刀 (NPT)... E016
 - ETD 全鎢鋼鑽銑牙刀 E017
 - LNEX 螺紋銑削刀片 E019
 - CXMT 捨棄式螺紋銑削刀桿 ... E022

- 車牙刀具 E023
 - 全鎢鋼車牙搪刀 E024
 - 車牙刀片 E027
 - 車牙刀桿 E036

- 攻牙刀具 E042
 - TKS 全鎢鋼螺旋絲攻 E043
 - TKT 全鎢鋼直刃絲攻 E045
 - THT 全鎢鋼直刃絲攻 E047
 - TNF 全鎢鋼無屑絲攻 E048

Solid Carbide Thread Mills 全鎢鋼銑牙刀



- ETS, ETT, ETM for thread milling.
- ETC for thread milling + chamfering.
- ETL for helical drilling + thread milling + chamfering.
- ETD for drilling + chamfering + thread milling.
- ETS, ETT, ETM 銑牙加工
- ETC 銑牙加工 + 倒角加工
- ETL 螺旋鑽孔 + 銑牙加工 + 倒角加工
- ETD 鑽孔 + 倒角加工 + 銑牙加工

→ Page E003

Indexable Thread Milling Tools 捨棄式螺紋銑刀



- Thread is produced in one tool pass.
- The thread milling insert is double sided, two cutting edges.
- Same holder and insert can produce both right-hand and left-hand threads.
- 螺紋可在一次刀具加工中產生
- 此螺紋銑刀片為雙面設計，有 2 個切削刀口
- 相同的刀桿和刀片可以加工右旋和左旋螺紋

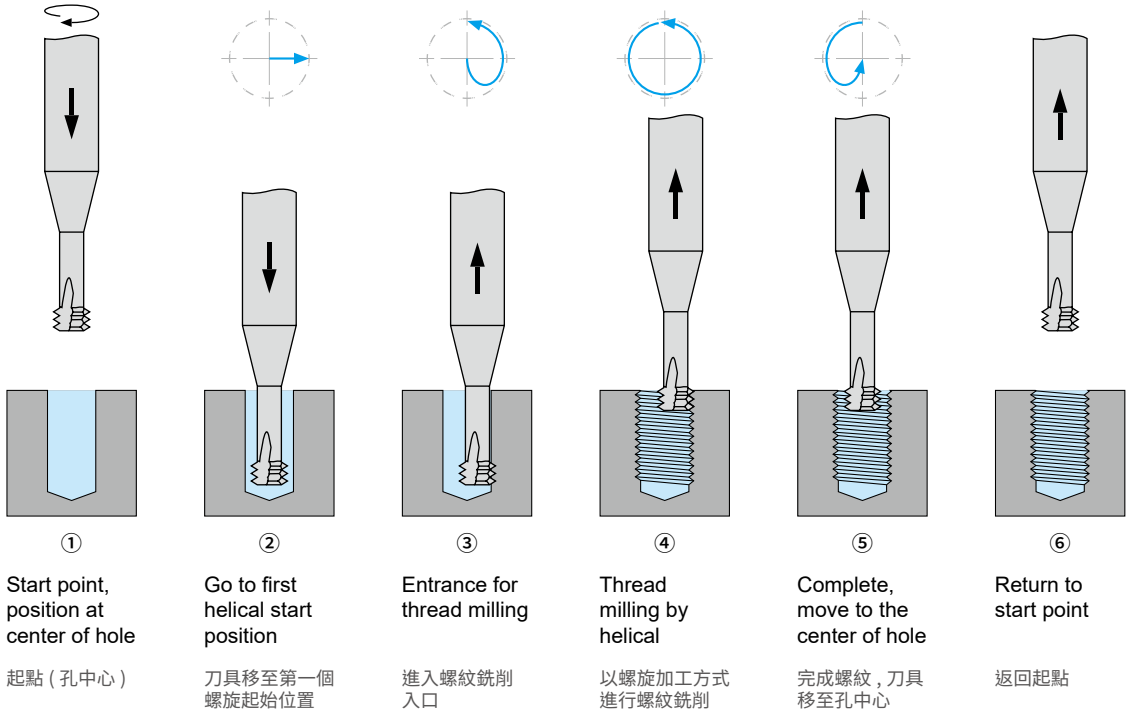
→ Page E019

Type Number 類別編碼		Pitch 螺距		No. of Threads 牙數	Thread milling 銑牙加工	Chamfering 倒角加工	Helical drilling 螺旋鑽孔	Drilling 鑽孔	P	M	K	N	S	H	Page 頁碼	
ETSN		TP	0.25~1.75	1	✓				●	●	●			○	○	E006
ETTN		TP	0.35~2.5	3	✓				●	●	●			●	●	E007
		TPI	36~10													
ETTC		TP	0.45~2.5	3	✓				●	●	●			●	●	E008
		TPI	36~10													
ETCN		TP	0.7~2.0	3	✓	✓			●	●	●			●	●	E009
		TPI	40~11													
ETCC		TP	0.5~2.0	3	✓	✓			●	●	●			●	●	E010
		TPI	36~13													
ETLN	 Left hand cutting	TP	0.7~2.0	3	✓	✓	✓		●	●	●			●	●	E011
		TPI	40~11													
ETLC	 Left hand cutting	TP	0.5~2.0	3	✓	✓	✓		●	●	●			●	●	E012
		TPI	36~13													
ETMN		TP	1~2.5	12~24	✓				●	●	●			○	○	E013
		TPI	36~8													
ETMC		TP	1~1.5	12~24	✓				●	●	●			○	○	E015
ETMNN (NPT)		TPI	27~11.5	10~15	✓				●	●	●			○	○	E016
ETMCN (NPT)		TPI	27~11.5	10~15	✓				●	●	●			○	○	E016
ETDN		TP	0.8~1.5	11~12	✓	✓		✓			●	●				E017

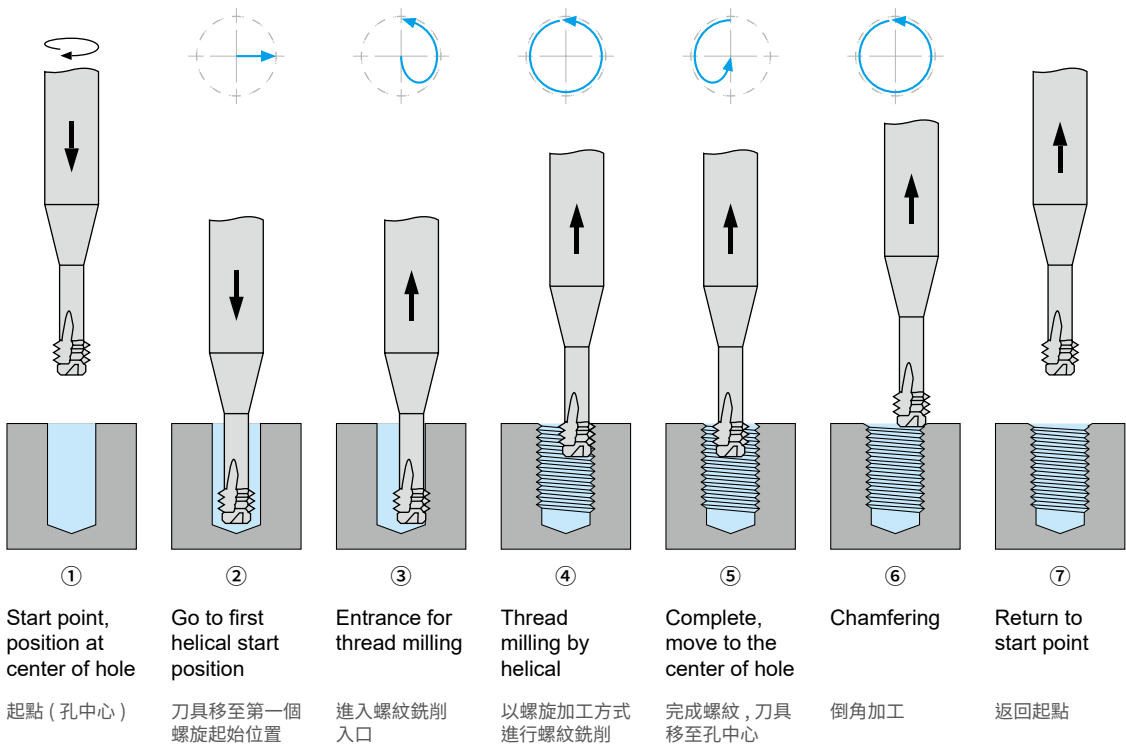
Thread Mill Cutting Method

加工方法

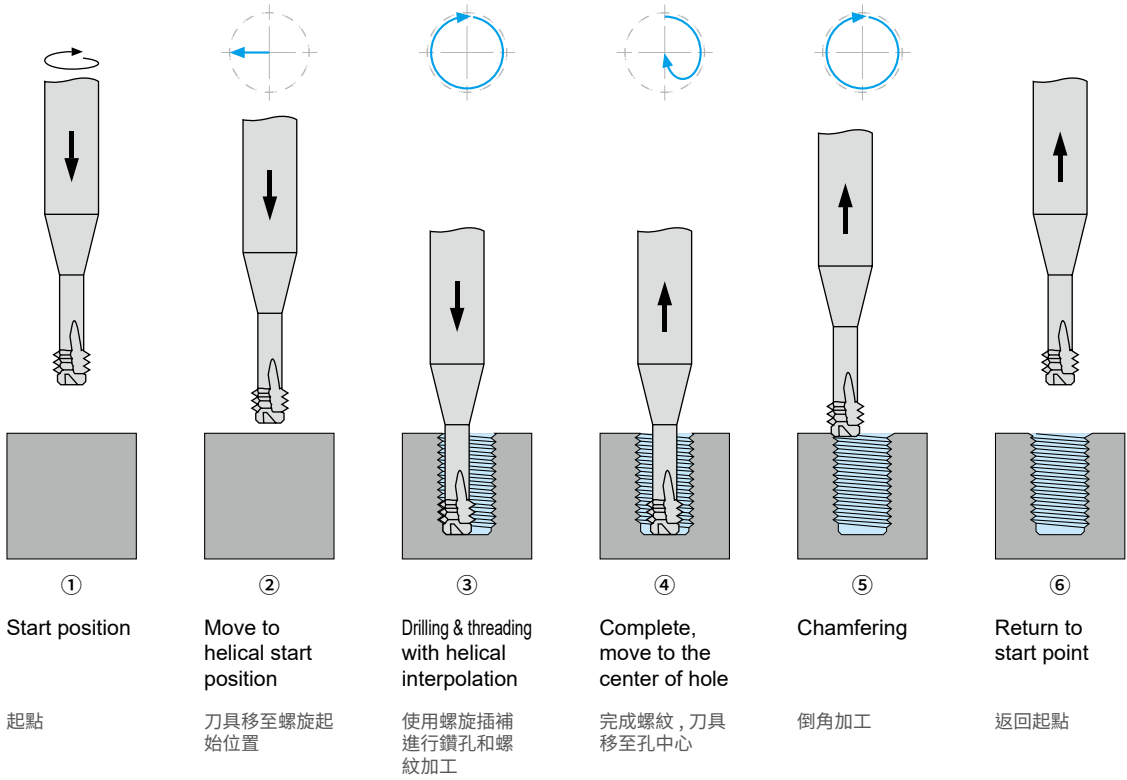
ETS, ETT, ETM Cutting Method



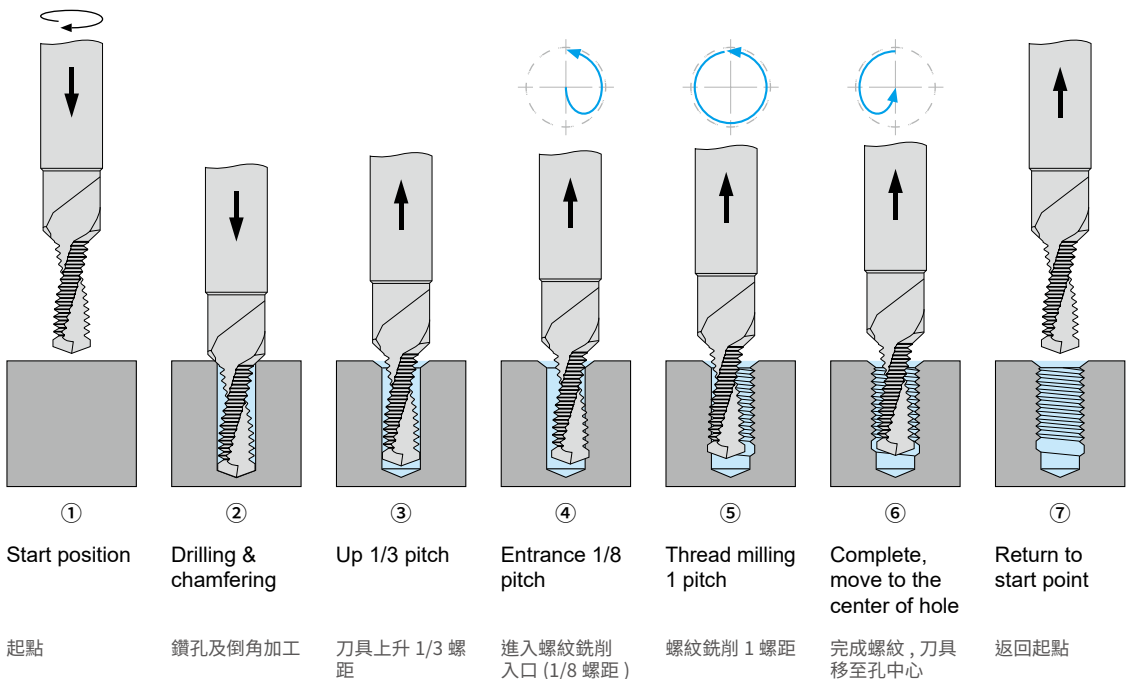
ETC Cutting Method



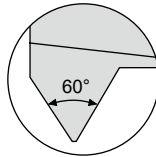
ETL Cutting Method



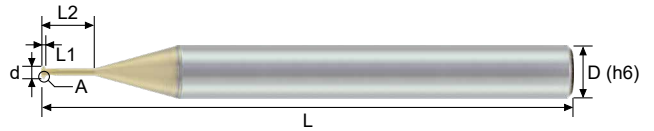
ETD Cutting Method



ETSNM (ISO M)



Detail A



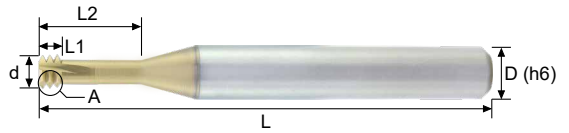
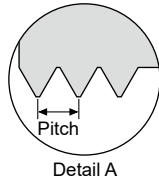
Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETSNM30072025S	M1	0.25	0.72	0.25	1	2.75	42	4	3
ETSNM30091025S	M1.2	0.25	0.91	0.25	1	3.25	42	4	3
ETSNM30105030S	M1.4	0.30	1.05	0.30	1	3.80	42	4	3
ETSNM30120035S	M1.6	0.35	1.20	0.35	1	4.35	42	4	3
ETSNM30130035S	M1.7~M1.8	0.35	1.30	0.35	1	4.85	42	4	3
ETSNM30152040S	M2	0.40	1.52	0.40	1	6	42	4	3
ETSNM30240050S	M3	0.50	2.40	0.50	1	9	42	4	3
ETSNM30315070S	M4	0.70	3.15	0.70	1	12	50	4	3
ETSNM40480100S	M6	1.00	4.80	1.00	1	18	60	6	4
ETSNM40590125S	M8	1.25	5.90	1.25	1	25	75	6	4
ETSNM50820150S	M10	1.50	8.20	1.50	1	32	75	10	5
ETSNM50990175S	M12	1.75	9.90	1.75	1	38	75	10	5

※Customized specification available.

Solid Carbide Thread Mills - ETTN · 3F / 4F

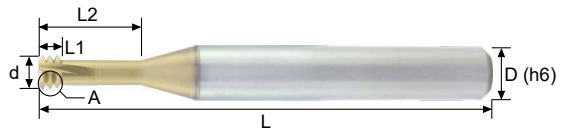
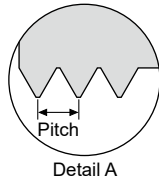
全鎢鋼銑牙刀 · 3 刃 / 4 刃

ETTNM (ISO M)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTNM30135035S	M1.8	0.35	1.35	1.05	3	4.0	50	6	3
ETTNM30150040S	M2	0.40	1.5	1.20	3	4.4	50	6	3
ETTNM30190045S	M2.5	0.45	1.9	1.35	3	5.6	50	6	3
ETTNM30240050S	M3	0.50	2.4	1.50	3	6.5	50	6	3
ETTNM30310070S	M4	0.70	3.1	2.10	3	8.7	50	6	3
ETTNM30400080S	M5	0.80	4.0	2.40	3	10.8	50	6	3
ETTNM30480100S	M6	1.00	4.8	3.00	3	12.5	50	6	3
ETTNM40650125S	M8	1.25	6.5	3.75	3	16.6	60	8	4
ETTNM40820150S	M10	1.50	8.2	4.50	3	20.8	75	10	4
ETTNM40990175S	M12	1.75	9.9	5.25	3	25.0	75	10	4
ETTNM41190200S	M16	2.00	11.9	6.00	3	33.0	75	12	4
ETTNM41590250S	M20	2.50	15.9	7.50	3	41.3	100	16	4

ETTNU (UN)

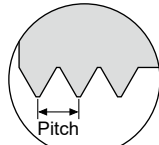


Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF							
ETTNU30331036S	36		8-36UNF	3.31	2.12	3	8.8	50	4	3
ETTNU30257032S	32	6-32UNC		2.57	2.38	3	7.3	50	4	3
ETTNU30322032S	32	8-32UNC	10-32UNF	3.22	2.38	3	10.1	60	6	3
ETTNU30520028S	28		1/4-28UNF	5.2	2.72	3	14	60	6	3
ETTNU40355024S	24	10-24UNC		3.55	3.18	3	10.4	60	6	4
ETTNU40665024S	24		5/16-24UNF	6.65	3.18	3	16.7	60	8	4
ETTNU40485020S	20	1/4-20UNC	7/16-20UNF	4.85	3.81	3	13.7	60	6	4
ETTNU40795020S	20		7/16-20UNF	7.95	3.81	3	24	60	8	4
ETTNU40595018S	18	5/16-18UNC		5.95	4.23	3	16.5	60	6	4
ETTNU40690016S	16	3/8-16UNC		6.9	4.76	3	21	60	8	4
ETTNU40795014S	14	7/16-14UNC		7.95	5.44	3	23.5	60	8	4
ETTNU40930013S	13	1/2-13UNC		9.3	5.86	3	27	80	10	4
ETTNU40995012S	12	9/16-12UNC		9.95	6.35	3	29	80	10	4
ETTNU41150011S	11	5/8-11UNC		11.5	6.93	3	33	80	12	4
ETTNU41440010S	10	3/4-10UNC		14.4	7.62	3	42	110	16	4

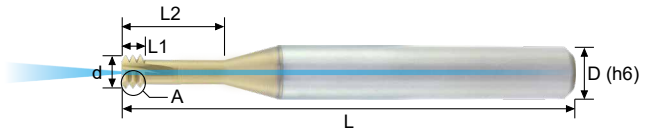
Solid Carbide Thread Mills - ETTC · 3F / 4F

全鎢鋼銑牙刀 · 3 刃 / 4 刃

ETTCM (ISO M with Internal Coolant)

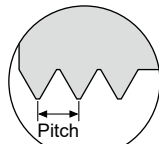


Detail A

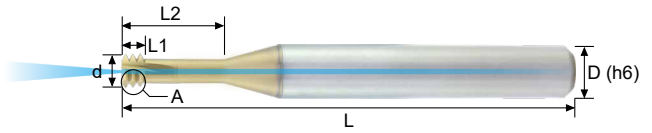


Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
ETTCM30190045S	M2.5	0.45	1.9	1.35	3	5.6	50	6	3
ETTCM30240050S	M3	0.50	2.4	1.50	3	6.5	50	6	3
ETTCM30310070S	M4	0.70	3.1	2.10	3	8.7	50	6	3
ETTCM30400080S	M5	0.80	4.0	2.40	3	10.8	50	6	3
ETTCM30480100S	M6	1.00	4.8	3.00	3	12.5	50	6	3
ETTCM40650125S	M8	1.25	6.5	3.75	3	16.6	60	8	4
ETTCM40820150S	M10	1.50	8.2	4.50	3	20.8	75	10	4
ETTCM40990175S	M12	1.75	9.9	5.25	3	25.0	75	10	4
ETTCM41190200S	M16	2.00	11.9	6.00	3	33.0	75	12	4
ETTCM41590250S	M20	2.50	15.9	7.50	3	41.3	100	16	4

ETTCU (UN with Internal Coolant)



Detail A



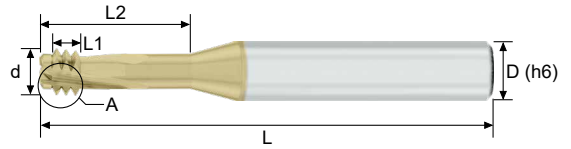
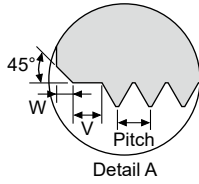
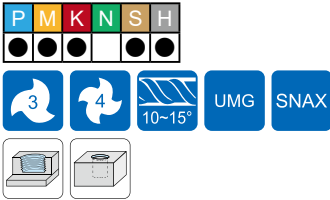
Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF							
ETTCU30331036S	36		8-36UNF	3.31	2.12	3	8.8	50	4	3
ETTCU30257032S	32	6-32UNC		2.57	2.38	3	7.3	50	4	3
ETTCU30322032S	32	8-32UNC	10-32UNF	3.22	2.38	3	10.1	60	6	3
ETTCU30520028S	28		1/4-28UNF	5.2	2.72	3	14	60	6	3
ETTCU40355024S	24	10-24UNC		3.55	3.18	3	10.4	60	6	4
ETTCU40665024S	24		5/16-24UNF	6.65	3.18	3	16.7	60	8	4
ETTCU40485020S	20	1/4-20UNC	7/16-20UNF	4.85	3.81	3	13.7	60	6	4
ETTCU40795020S	20		7/16-20UNF	7.95	3.81	3	24	60	8	4
ETTCU40595018S	18	5/16-18UNC		5.95	4.23	3	16.5	60	6	4
ETTCU40690016S	16	3/8-16UNC		6.9	4.76	3	21	60	8	4
ETTCU40795014S	14	7/16-14UNC		7.95	5.44	3	23.5	60	8	4
ETTCU40930013S	13	1/2-13UNC		9.3	5.86	3	27	80	10	4
ETTCU40995012S	12	9/16-12UNC		9.95	6.35	3	29	80	10	4
ETTCU41150011S	11	5/8-11UNC		11.5	6.93	3	33	80	12	4
ETTCU41440010S	10	3/4-10UNC		14.4	7.62	3	42	110	16	4

※Customized specification available.

Solid Carbide Chamfer Thread Mills - ETCN · 3F / 4F

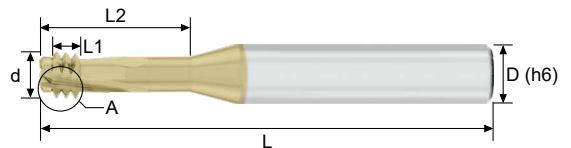
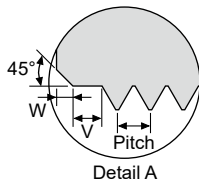
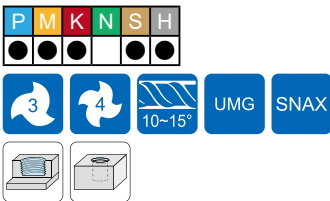
全鎢鋼倒角銑牙刀 · 3 刃 / 4 刃

ETCNM (ISO M)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETCNM30315070S	M4	0.7	3.15	2.10	3	11.6	0.2	0.7	58	6	3
ETCNM30400080S	M5	0.8	4.00	2.40	3	14.4	0.3	0.8	58	6	3
ETCNM30470100S	M6	1.0	4.70	3.00	3	14.4	0.4	1.0	64	8	3
ETCNM40610120S	M8	1.25	6.10	3.75	3	19.0	0.5	1.25	64	8	4
ETCNM40780150S	M10	1.5	7.80	4.50	3	23.6	0.6	1.5	64	8	4
ETCNM40900170S	M12	1.75	9.00	5.25	3	28.1	0.6	1.75	73	10	4
ETCNM41180200S	M16	2.0	11.80	6.00	3	36.6	0.6	2.0	84	12	4

ETCNU (UN)



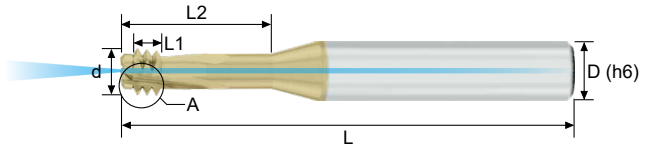
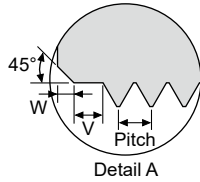
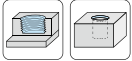
Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF									
ETCNU30210040S	40	4-40UNC	6-40UNF	2.10	1.91	3	7.0	0.1	0.6	58	6	3
ETCNU30260032S	32	6-32UNC		2.60	2.38	3	8.7	0.1	0.8	58	6	3
ETCNU30500028S	28		1/4-28UNF	5.00	2.72	3	14.9	0.4	0.9	64	8	3
ETCNU40650024S	24		5/16-24UNF	6.50	3.18	3	18.5	0.5	1.05	64	8	4
ETCNU40480020S	20	1/4-20UNC		4.80	3.81	3	15.6	0.4	1.25	64	8	4
ETCNU40600018S	18	5/16-18UNC		6.00	4.23	3	19.2	0.5	1.4	64	8	4
ETCNU40670016S	16	3/8-16UNC		6.70	4.76	3	22.8	0.5	1.6	64	8	4
ETCNU40920013S	13	1/2-13UNC		9.20	5.86	3	30.0	0.6	2.0	73	10	4
ETCNU41140011S	11	5/8-11UNC		11.40	6.93	3	37.0	0.6	2.3	84	12	4

※Customized specification available.

Solid Carbide Chamfer Thread Mills - ETCC · 3F / 4F

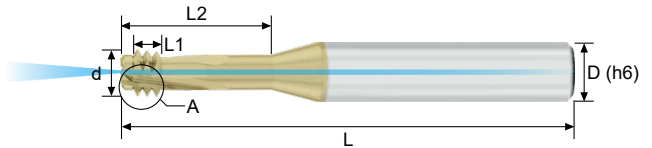
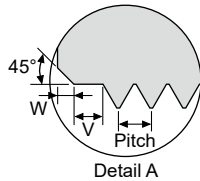
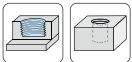
全鎢鋼倒角銑牙刀 · 3 刃 / 4 刃

ETCCM (ISO M with Internal Coolant)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETCCM30240050S	M3	0.50	2.4	1.50	3	7.2	0.2	0.5	58	6	3
ETCCM30315070S	M4	0.70	3.15	2.10	3	11.6	0.2	0.7	58	6	3
ETCCM30400080S	M5	0.80	4.0	2.40	3	14.4	0.3	0.8	58	6	3
ETCCM30470100S	M6	1.00	4.7	3.00	3	14	0.4	1.0	64	8	3
ETCCM30470101S	M6	1.00	4.7	3.00	3	20.4	0.4	1.0	64	8	3
ETCCM40610120S	M8	1.25	6.1	3.75	3	18	0.5	1.25	64	8	4
ETCCM40610121S	M8	1.25	6.1	3.75	3	27	0.5	1.25	64	8	4
ETCCM40780150S	M10	1.50	7.8	4.50	3	23	0.6	1.5	64	8	4
ETCCM40900170S	M12	1.75	9.0	5.25	3	26	0.6	1.75	73	10	4
ETCCM41180200S	M16	2.00	11.8	6.00	3	35	0.6	2.0	84	12	4

ETCCU (UN with Internal Coolant)



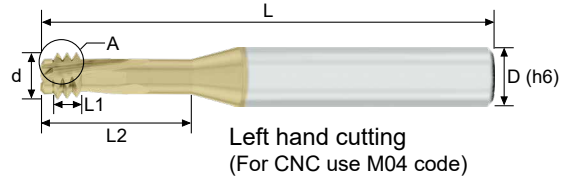
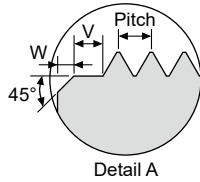
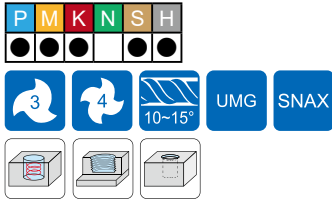
Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF									
ETCCU30330036S	36		8-36UNF	3.3	2.12	3	12	0.2	0.7	58	6	3
ETCCU30260032S	32	6-32UNC		2.6	2.38	3	8.7	0.2	0.8	58	6	3
ETCCU30320032S	32	8-32UNC		3.2	2.38	3	12.3	0.3	0.8	58	6	3
ETCCU30380032S	32		10-32UNF	3.8	2.38	3	14	0.3	0.8	58	6	3
ETCCU30500028S	28		1/4-28UNF	5	2.72	3	14.5	0.4	0.9	64	8	3
ETCCU30350024S	24	10-24UNC		3.5	3.18	3	12.1	0.3	1.05	58	6	3
ETCCU40650024S	24		5/16-24UNF	6.5	3.18	3	17	0.5	1.05	64	8	4
ETCCU40480020S	20	1/4-20UNC		4.8	3.81	3	14	0.4	1.25	64	8	4
ETCCU40600018S	18	5/16-18UNC		6	4.23	3	17	0.5	1.4	64	8	4
ETCCU40670016S	16	3/8-16UNC		6.7	4.76	3	22	0.5	1.6	64	8	4
ETCCU40800014S	14	7/16-14UNC		8	5.44	3	26.5	0.6	1.8	64	8	4
ETCCU40100013S	13	1/2-13UNC		10	5.86	3	29.8	0.6	2.0	73	10	4

※Customized specification available.

Solid Carbide Chamfer Thread Mills - ETLN · 3F / 4F

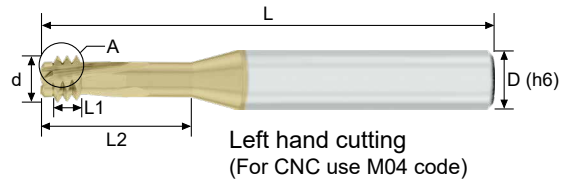
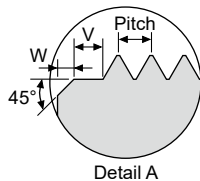
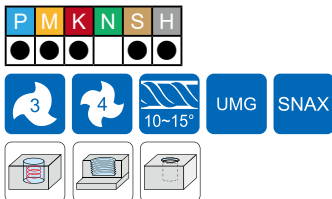
全鎢鋼倒角銑牙刀 · 3 刃 / 4 刃

ETLNM (ISO M)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETLNM30315070S	M4	0.7	3.15	2.10	3	11.6	0.2	0.7	58	6	3
ETLNM30400080S	M5	0.8	4.00	2.40	3	14.4	0.3	0.8	58	6	3
ETLNM30470100S	M6	1.0	4.70	3.00	3	14.4	0.4	1.0	64	8	3
ETLNM40610120S	M8	1.25	6.10	3.75	3	19.0	0.5	1.25	64	8	4
ETLNM40780150S	M10	1.5	7.80	4.50	3	23.6	0.6	1.5	64	8	4
ETLNM40900170S	M12	1.75	9.00	5.25	3	28.1	0.6	1.75	73	10	4
ETLNM41180200S	M16	2.0	11.80	6.00	3	36.6	0.6	2.0	84	12	4

ETLNU (UN)



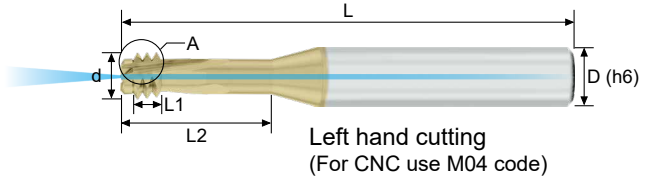
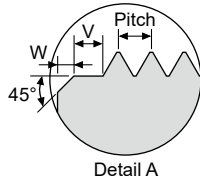
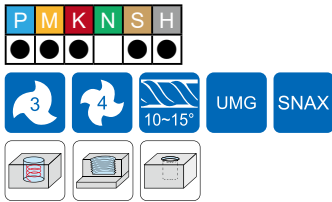
Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF									
ETLNU30210040S	40	4-40UNC	6-40UNF	2.10	1.91	3	7.0	0.1	0.6	58	6	3
ETLNU30260032S	32	6-32UNC		2.60	2.38	3	8.7	0.1	0.8	58	6	3
ETLNU30500028S	28		1/4-28UNF	5.00	2.72	3	14.9	0.4	0.9	64	8	3
ETLNU40650024S	24		5/16-24UNF	6.50	3.18	3	18.5	0.5	1.05	64	8	4
ETLNU40480020S	20	1/4-20UNC		4.80	3.81	3	15.6	0.4	1.25	64	8	4
ETLNU40600018S	18	5/16-18UNC		6.00	4.23	3	19.2	0.5	1.4	64	8	4
ETLNU40670016S	16	3/8-16UNC		6.70	4.76	3	22.8	0.5	1.6	64	8	4
ETLNU40920013S	13	1/2-13UNC		9.20	5.86	3	30.0	0.6	2.0	73	10	4
ETLNU41140011S	11	5/8-11UNC		11.40	6.93	3	37.0	0.6	2.3	84	12	4

※Customized specification available.

Solid Carbide Chamfer Thread Mills - ETLC · 3F / 4F

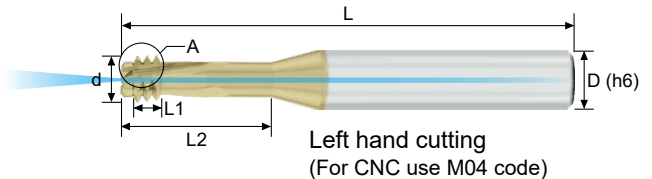
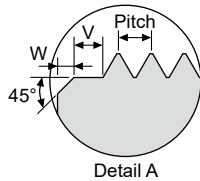
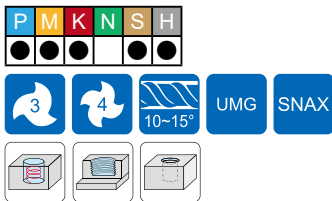
全鎢鋼倒角銑牙刀 · 3 刃 / 4 刃

ETLCM (ISO M with Internal Coolant)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
ETLCM30240050S	M3	0.50	2.4	1.50	3	7.2	0.2	0.5	58	6	3
ETLCM30315070S	M4	0.70	3.15	2.10	3	11.6	0.2	0.7	58	6	3
ETLCM30400080S	M5	0.80	4.0	2.40	3	14.4	0.3	0.8	58	6	3
ETLCM30470100S	M6	1.00	4.7	3.00	3	14	0.4	1.0	64	8	3
ETLCM30470101S	M6	1.00	4.7	3.00	3	20.4	0.4	1.0	64	8	3
ETLCM40610120S	M8	1.25	6.1	3.75	3	18	0.5	1.25	64	8	4
ETLCM40610121S	M8	1.25	6.1	3.75	3	27	0.5	1.25	64	8	4
ETLCM40780150S	M10	1.50	7.8	4.50	3	23	0.6	1.5	64	8	4
ETLCM40900170S	M12	1.75	9.0	5.25	3	26	0.6	1.75	73	10	4
ETLCM41180200S	M16	2.00	11.8	6.00	3	35	0.6	2.0	84	12	4

ETLCU (UN with Internal Coolant)



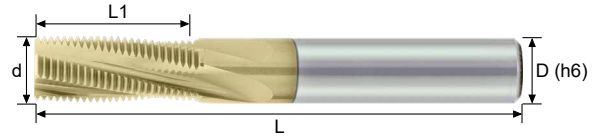
Order No.	TPI	Thread		Dia. (d)	CL (L1)	No. of Threads	EFF-L (L2)	W	V	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF									
ETLCU30330036S	36		8-36UNF	3.3	2.12	3	12	0.2	0.7	58	6	3
ETLCU30260032S	32	6-32UNC		2.6	2.38	3	8.7	0.2	0.8	58	6	3
ETLCU30320032S	32	8-32UNC		3.2	2.38	3	12.3	0.3	0.8	58	6	3
ETLCU30380032S	32		10-32UNF	3.8	2.38	3	14	0.3	0.8	58	6	3
ETLCU30500028S	28		1/4-28UNF	5	2.72	3	14.5	0.4	0.9	64	8	3
ETLCU30350024S	24	10-24UNC		3.5	3.18	3	12.1	0.3	1.05	58	6	3
ETLCU40650024S	24		5/16-24UNF	6.5	3.18	3	17	0.5	1.05	64	8	4
ETLCU40480020S	20	1/4-20UNC		4.8	3.81	3	14	0.4	1.25	64	8	4
ETLCU40600018S	18	5/16-18UNC		6	4.23	3	17	0.5	1.4	64	8	4
ETLCU40670016S	16	3/8-16UNC		6.7	4.76	3	22	0.5	1.6	64	8	4
ETLCU40800014S	14	7/16-14UNC		8	5.44	3	26.5	0.6	1.8	64	8	4
ETLCU40100013S	13	1/2-13UNC		10	5.86	3	29.8	0.6	2.0	73	10	4

※Customized specification available.

Solid Carbide Thread Mills - ETMN · 3F / 4F / 5F

全鎢鋼銑牙刀 · 3刃 / 4刃 / 5刃

ETMNM (ISO M)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMNM30390075S	M6	0.75	3.90	12.00 *	16	50	6	3
ETMNM30390100S		1.00	3.90	12.00 *	12	50	6	3
ETMNM30590100S	M8	1.00	5.90	16.00	16	60	6	3
ETMNM30580125S		1.25	5.80	16.25	13	60	6	3
ETMNM30790100S	M10	1.00	7.90	20.00	20	60	8	3
ETMNM30770125S		1.25	7.70	20.00	16	60	8	3
ETMNM30770150S		1.50	7.70	21.00	14	60	8	3
ETMNM40990100S	M12	1.00	9.90	24.00	24	75	10	4
ETMNM40940150S		1.50	9.40	24.00	16	75	10	4
ETMNM40870175S		1.75	8.70	24.50 *	14	75	10	4
ETMNM41120150S	M14	1.50	11.20	28.50	19	75	12	4
ETMNM40990200S		2.00	9.90	28.00	14	75	10	4
ETMNM41190150S	M16	1.50	11.90	33.00	22	100	12	4
ETMNM41190200S		2.00	11.90	32.00	16	100	12	4
ETMNM51370250S	M20	2.50	13.70	45.00 *	18	133	16	5

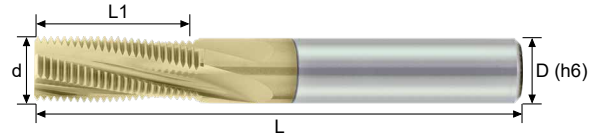
* Increase neck length 2~5mm

※Customized specification available.

Solid Carbide Thread Mills - ETMN · 3F / 4F / 5F

全鎢鋼銑牙刀 · 3刃 / 4刃 / 5刃

ETMNU (UN)



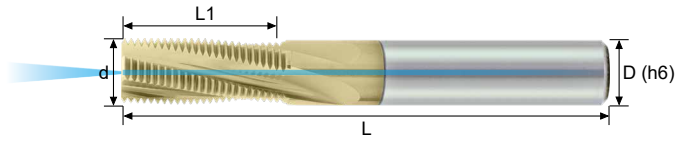
Order No.	TPI	Thread			Dia. (d)	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
		UNC	UNF	UNEF						
ETMNU30300036S	36		No.8		3.0	8.5	12	50	4	3
ETMNU30330032S	32		No.10	No.12-3/8"	3.3	11.1	14	50	4	3
ETMNU30380028S	28		No.12, 1/4"	7/16", 1/2"	3.8	11.8	13	50	4	3
ETMNU30460028S	28		1/4"	7/16, 1/2"	4.6	12.7 *	14	60	6	3
ETMNU40920028S	28			7/16", 1/2"	9.2	22.7	25	75	10	4
ETMNU30290024S	24	No.10	5/16", 3/8"	9/16"-11/16"	2.9	10.6 *	10	50	4	3
ETMNU30350024S	24	No.12	5/16", 3/8"	9/16"-11/16"	3.5	11.6	11	50	4	3
ETMNU30570024S	24		5/16", 3/8"	9/16"-11/16"	5.7	15.9	15	60	6	3
ETMNU30740024S	24		3/8"	9/16"-11/16"	7.4	19.1	18	60	8	3
ETMNU41190024S	24			9/16"-11/16"	11.9	28.6	27	100	12	4
ETMNU30390020S	20	1/4"	7/16", 1/2"	3/4"-1"	3.9	12.7	10	50	4	3
ETMNU40850020S	20		7/16", 1/2"	3/4"-1"	8.5	22.9 *	18	75	10	4
ETMNU40990020S	20		1/2"	3/4"-1"	9.9	25.4	20	75	10	4
ETMNU51590020S	20			3/4"-1"	15.9	38.1	30	100	16	5
ETMNU30520018S	18	5/16"	9/16", 5/8"	11/16"-1 11/16"	5.2	16.9	12	60	6	3
ETMNU41130018S	18		9/16", 5/8"	11/16"-1 11/16"	11.3	29.6	21	100	12	4
ETMNU41190018S	18		5/8"	11/16"-1 11/16"	11.9	32.5	23	100	12	4
ETMNU30670016S	16	3/8"	3/4"		6.7	19.1 *	12	60	8	3
ETMNU41590016S	16		3/4"		15.9	38.1	24	100	16	4
ETMNU40760014S	14	7/16"	7/8"		7.6	23.6	13	60	8	4
ETMNU41870014S	14		7/8"		18.7	44.4 *	24	100	20	4
ETMNU40890013S	13	1/2"			8.9	25.4	13	75	10	4
ETMNU41030012S	12	9/16"	1"-1 1/2"		10.3	29.6 *	14	100	12	4
ETMNU51990012S	12		1"-1 1/2"		19.9	50.8	24	100	20	5
ETMNU41100011S	11	5/8"			11.0	32.3	14	100	12	4
ETMNU51350010S	10	3/4"			13.5	38.1 *	15	100	16	5
ETMNU41520009S	9	7/8"			15.2	45.2	16	100	16	4
ETMNU41700008S	8	1"			17.0	50.8 *	16	100	20	4

* Increase neck length 2~5mm

Solid Carbide Thread Mills - ETMC · 3F / 4F

全鎢鋼銑牙刀 · 3 刃 / 4 刃

ETMCM (ISO M with Internal Coolant)



Order No.	Processing Size	Pitch	Dia. (d)	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)
ETMCM30390075S	M6	0.75	3.90	12.00 *	16	50	6	3
ETMCM30390100S		1.00	3.90	12.00 *	12	50	6	3
ETMCM30590100S	M8	1.00	5.90	16.00	16	60	6	3
ETMCM30580125S		1.25	5.80	16.25	13	60	6	3
ETMCM30790100S	M10	1.00	7.90	20.00	20	60	8	3
ETMCM30770125S		1.25	7.70	20.00	16	60	8	3
ETMCM30770150S		1.50	7.70	21.00	14	60	8	3
ETMCM40990100S	M12	1.00	9.90	24.00	24	75	10	4
ETMCM40940150S		1.50	9.40	24.00	16	75	10	4
ETMCM40870175S		1.75	8.70	24.50 *	14	75	10	4
ETMCM41120150S	M14	1.50	11.20	28.50	19	75	12	4
ETMCM40990200S		2.00	9.90	28.00	14	75	10	4
ETMCM41190150S	M16	1.50	11.90	33.00	22	100	12	4
ETMCM41190200S		2.00	11.90	32.00	16	100	12	4

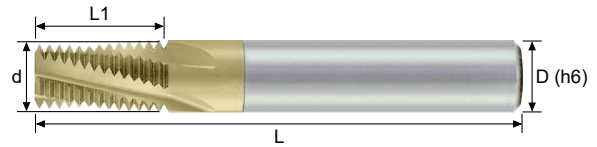
* Increase neck length 2~5mm

※ Customized specification available.

Solid Carbide Thread Mills - ETMNN / ETMCN · 3F / 4F

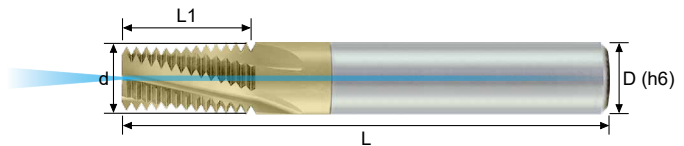
全鎢鋼銑牙刀 · 3 刃 / 4 刃 (NPT)

ETMNN (NPT)



Order No.	TPI	Thread Size	Dia. (d)	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMNN30470027S	27	1/16"	4.7	9.4	10	60	6	3	6.3
ETMNN40690027S	27	1/8"	6.9	9.4	10	60	8	4	8.5
ETMNN40860018S	18	1/4"	8.6	14.1	10	75	10	4	11.1
ETMNN41110018S	18	3/8"	11.1	14.1	10	75	12	4	14.5
ETMNN41070014S	14	1/2"	10.7	20.8	12	75	12	4	17.7
ETMNN41400014S	14	1/2", 3/4"	14.0	25.4	14	100	16	4	17.7/23.0
ETMNN41800011S	11.5	1-2"	18.0	33.1	15	100	20	4	29.0/56.0

ETMCN (NPT with Internal Coolant)

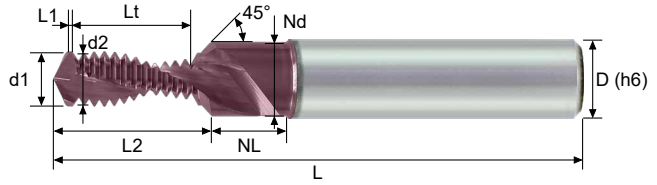
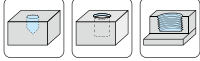


Order No.	TPI	Thread Size	Dia. (d)	CL (L1)	No. of Threads	OAL (L)	Shank (D)	Flutes (z)	Working dia.
ETMCN30470027S	27	1/16"	4.7	9.4	10	60	6	3	6.3
ETMCN40690027S	27	1/8"	6.9	9.4	10	60	8	4	8.5
ETMCN40860018S	18	1/4"	8.6	14.1	10	75	10	4	11.1
ETMCN41110018S	18	3/8"	11.1	14.1	10	75	12	4	14.5
ETMCN41070014S	14	1/2"	10.7	20.8	12	75	12	4	17.7
ETMCN41400014S	14	1/2", 3/4"	14.0	25.4	14	100	16	4	17.7/23.0
ETMCN41800011S	11.5	1-2"	18.0	33.1	15	100	20	4	29.0/56.0

Solid Carbide Drill & Thread Mills - ETDN · 2F

全鎢鋼鑽銑牙刀 · 2 刃

ETMCM (ISO M with Internal Coolant)



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

* Maximum chamfering depth = $(Nd - d1) \times 0.5$

Recommended Cutting Conditions 建議切削數據

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
High Temperature Alloy	20 ~ 60	0.01 ~ 0.03
Hardened Steel	30 ~ 60	0.01 ~ 0.03

For ETM

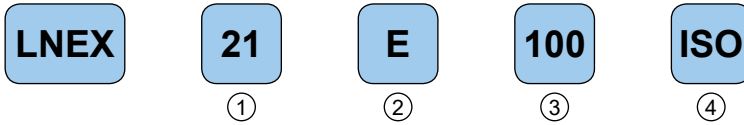
Work Material	Vc (m/min)	Feed (mm/t)
Carbon Steel / Alloy Steel	50 ~ 70	0.02 ~ 0.07
Stainless Steel	50 ~ 70	0.02 ~ 0.07
Cast Iron	50 ~ 100	0.03 ~ 0.10
Aluminum Alloy	50 ~ 70	0.03 ~ 0.10
High Temperature Alloy	20 ~ 60	0.01 ~ 0.03
Hardened Steel	25 ~ 50	0.01 ~ 0.05

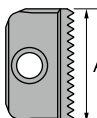
For ETD

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.

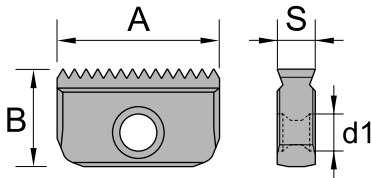
Designations for Thread Milling Insert 螺紋銑削刀片型號編碼




① Insert Size	② Type of Insert	③ Thread Pitch	④ Thread Standard																											
 <table border="1" data-bbox="123 627 274 744"> <tr><td>A (mm)</td></tr> <tr><td>14</td></tr> <tr><td>21</td></tr> </table>	A (mm)	14	21	<table border="1" data-bbox="356 490 617 764"> <tr><td><i>E</i></td><td>External</td></tr> <tr><td><i>I</i></td><td>Internal</td></tr> </table>	<i>E</i>	External	<i>I</i>	Internal	<table border="1" data-bbox="644 490 1001 764"> <tr> <td rowspan="2">TP (mm)</td> <td>0.75</td> <td>1.0</td> <td>...</td> <td>2.5</td> </tr> <tr> <td>075</td> <td>100</td> <td>...</td> <td>250</td> </tr> <tr> <td rowspan="2">TPI</td> <td>32</td> <td>28</td> <td>...</td> <td>10</td> </tr> <tr> <td>32</td> <td>28</td> <td>...</td> <td>10</td> </tr> </table>	TP (mm)	0.75	1.0	...	2.5	075	100	...	250	TPI	32	28	...	10	32	28	...	10	<table border="1" data-bbox="1029 490 1289 764"> <tr><td><i>ISO</i></td></tr> <tr><td><i>UN</i></td></tr> </table>	<i>ISO</i>	<i>UN</i>
A (mm)																														
14																														
21																														
<i>E</i>	External																													
<i>I</i>	Internal																													
TP (mm)	0.75	1.0	...	2.5																										
	075	100	...	250																										
TPI	32	28	...	10																										
	32	28	...	10																										
<i>ISO</i>																														
<i>UN</i>																														

Insert Specifications 刀片規格

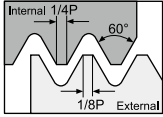
Insert	Dimensions (mm)			
	A	B	S	d1
LNE X14	14	7.5	3.1	3.3
LNE X21	21	12	4.7	4.7



Insert Grade 刀片材質

Grade Type 刀片材質	Coating Color 塗層顏色	Properties 屬性	Application 加工特性	Working Material 加工材質						Industry Area 產業應用範圍
				P	M	K	N	S	H	
CX33UX		<ul style="list-style-type: none"> PVD (AlTiSiN) Wear resistance Anti-corrosion Low friction <ul style="list-style-type: none"> 耐磨性 抗腐蝕 低磨擦系數 	<ul style="list-style-type: none"> Semi-finishing to medium General machining Suitable for various materials <ul style="list-style-type: none"> 適合半精至中加工 適合泛用加工 適用於各種材料加工 	●	●	●	●	○	○	<ul style="list-style-type: none"> Mold & Die Automotive Machinery Aerospace <ul style="list-style-type: none"> 模具產業 汽車零件 機械零件 航太零件

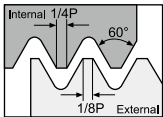
Insert Designation 刀片型號



ISO

External 外徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TP(mm)	P	M	K	N	S	H
	ILNEX14E075ISO33UX	LNEX14E0.75ISO-CX33UX	0.75	●	●	●	○	●	○
	ILNEX14E100ISO33UX	LNEX14E1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX14E125ISO33UX	LNEX14E1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX14E150ISO33UX	LNEX14E1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX14E175ISO33UX	LNEX14E1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX14E200ISO33UX	LNEX14E2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX14E250ISO33UX	LNEX14E2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21E100ISO33UX	LNEX21E1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX21E125ISO33UX	LNEX21E1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX21E150ISO33UX	LNEX21E1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX21E175ISO33UX	LNEX21E1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX21E200ISO33UX	LNEX21E2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX21E250ISO33UX	LNEX21E2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21E300ISO33UX	LNEX21E3.00ISO-CX33UX	3.0	●	●	●	○	●	○



ISO

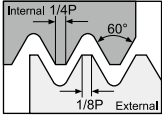
Internal 內徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TP(mm)	P	M	K	N	S	H
	ILNEX14I075ISO33UX	LNEX14I0.75ISO-CX33UX	0.75	●	●	●	○	●	○
	ILNEX14I100ISO33UX	LNEX14I1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX14I125ISO33UX	LNEX14I1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX14I150ISO33UX	LNEX14I1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX14I175ISO33UX	LNEX14I1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX14I200ISO33UX	LNEX14I2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX14I250ISO33UX	LNEX14I2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21I100ISO33UX	LNEX21I1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX21I125ISO33UX	LNEX21I1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX21I150ISO33UX	LNEX21I1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX21I175ISO33UX	LNEX21I1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX21I200ISO33UX	LNEX21I2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX21I250ISO33UX	LNEX21I2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21I300ISO33UX	LNEX21I3.00ISO-CX33UX	3.0	●	●	●	○	●	○

Thread Milling Tools - LNEX Inserts

螺紋銑削刀片

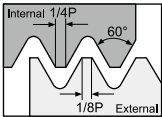
Insert Designation 刀片型號



UN

External 外徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TPI	P	M	K	N	S	H
	ILNEX14E32UN33UX	LNEX14E32UN-CX33UX	32	●	●	●	○	●	○
	ILNEX14E28UN33UX	LNEX14E28UN-CX33UX	28	●	●	●	○	●	○
	ILNEX14E24UN33UX	LNEX14E24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX14E20UN33UX	LNEX14E20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX14E18UN33UX	LNEX14E18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX14E16UN33UX	LNEX14E16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX14E14UN33UX	LNEX14E14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX14E12UN33UX	LNEX14E12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21E24UN33UX	LNEX21E24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX21E20UN33UX	LNEX21E20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX21E18UN33UX	LNEX21E18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX21E16UN33UX	LNEX21E16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX21E14UN33UX	LNEX21E14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX21E12UN33UX	LNEX21E12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21E10UN33UX	LNEX21E10UN-CX33UX	10	●	●	●	○	●	○



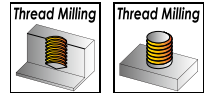
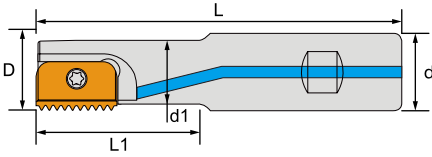
UN

Internal 內徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TPI	P	M	K	N	S	H
	ILNEX14I32UN33UX	LNEX14I32UN-CX33UX	32	●	●	●	○	●	○
	ILNEX14I28UN33UX	LNEX14I28UN-CX33UX	28	●	●	●	○	●	○
	ILNEX14I24UN33UX	LNEX14I24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX14I20UN33UX	LNEX14I20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX14I18UN33UX	LNEX14I18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX14I16UN33UX	LNEX14I16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX14I14UN33UX	LNEX14I14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX14I12UN33UX	LNEX14I12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21I24UN33UX	LNEX21I24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX21I20UN33UX	LNEX21I20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX21I18UN33UX	LNEX21I18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX21I16UN33UX	LNEX21I16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX21I14UN33UX	LNEX21I14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX21I12UN33UX	LNEX21I12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21I10UN33UX	LNEX21I10UN-CX33UX	10	●	●	●	○	●	○

Threading

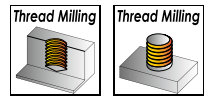
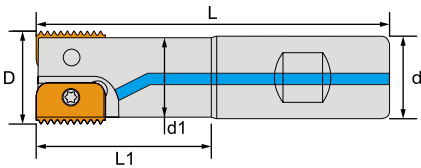
Thread Milling Tools 螺紋銑刀



Insert Brand : Winstar, Carmex, ...

Order No.	D	L1	L	d	d1	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXMTE141012071	12	20	75	20	8.9	1	✓	LNEX14	ITS3002	ITK09	●
ICXMTE141014081	14.5	25	85	20	11	1	✓				●
ICXMTE211021091	21	40	94	20	16.5	1	✓	LNEX21	ITS4020	ITK15	●
ICXMTE211025121	25	28	125	20	-	1	✓				●

● stock ○ by inquiry



Insert Brand : Winstar, Carmex, ...

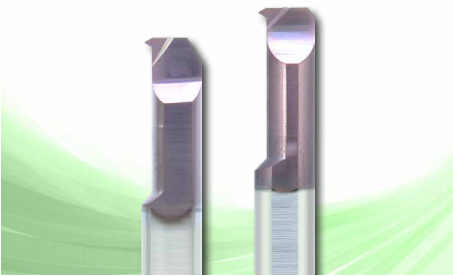
Order No.	D	L1	L	d	d1	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXMTE142020091	20	41	93	20	16	2	✓	LNEX14	ITS3002	ITK09	●
ICXMTE212030101	30	52	108	25	24	2	✓	LNEX21	ITS4020	ITK15	●

● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz
Carbon Steel / Alloy Steel	100 ~ 250	0.10 ~ 0.20
Stainless Steel	130 ~ 200	0.10 ~ 0.18
Cast Iron	100 ~ 200	0.12 ~ 0.20
Aluminum Alloy	110 ~ 400	0.15 ~ 0.24
High Temperature Alloy	25 ~ 100	0.05 ~ 0.15
Hardened Steel	40 ~ 100	0.05 ~ 0.15

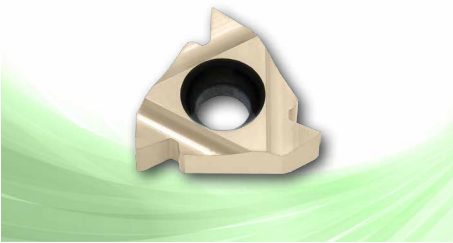
Solid Carbide Thread Turning Bars 全鎢鋼車牙搪刀



- Provide ISO M thread carbide turning bars.
- Provide partial profile 60° thread carbide turning bars.
- Left hand or right hand tools.
- 提供 ISO M 牙全鎢鋼車牙搪刀
- 提供 60°泛用牙全鎢鋼車牙搪刀
- 提供左手或右手刀具

→ Page E024

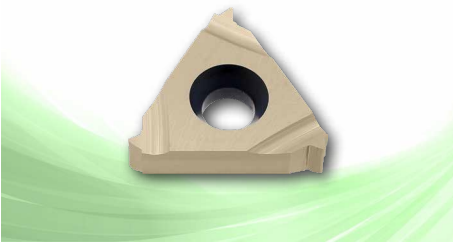
Partial Profile Thread Turning Inserts 車牙刀片泛牙型



- 11 or 16 size inserts, 60° or 55°.
- A(0.5~1.5), AG(0.5~3.0) and G(1.75~3.0).
- Left hand or right hand inserts.
- 11 或 16 尺寸的車牙刀片, 60°或 55°
- A(0.5~1.5 螺距), AG(0.5~3.0 螺距) 和 G(1.75~3.0 螺距)
- 提供左手或右手刀片

→ Page E028, E035

ISO Metric Thread Turning Inserts 車牙刀片 ISO M 牙



- 11 or 16 size inserts, 60°.
- 0.35~3.0 pitch.
- Left hand or right hand inserts.
- 11 或 16 尺寸的車牙刀片, 60°
- 0.35~3.0 螺距
- 提供左手或右手刀片

→ Page E029

American UN Thread Turning Inserts 車牙刀片 UN 牙

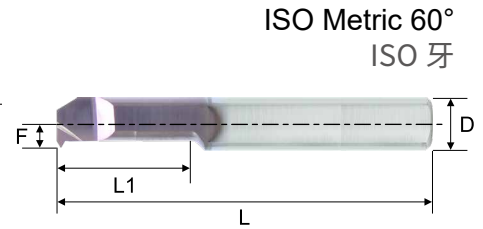
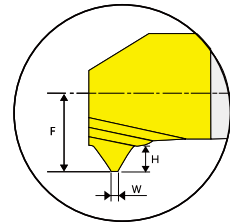
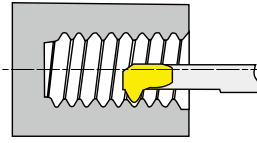
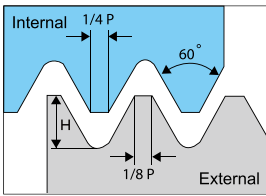


- 11 or 16 size inserts, 60°.
- 32~8 TPI.
- Left hand or right hand inserts.
- 11 或 16 尺寸的車牙刀片, 60°
- 每英寸牙數 32 ~ 8(TPI)
- 提供左手或右手刀片

→ Page E031

DLTSR Carbide Mini Internal Thread

迷你鎢鋼內徑車牙搪刀



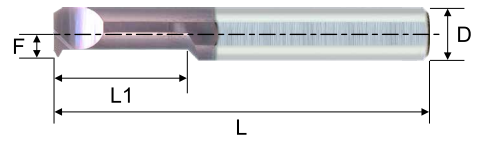
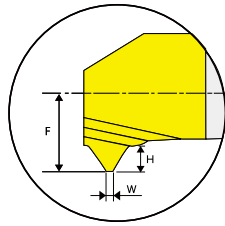
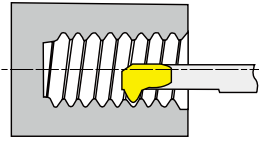
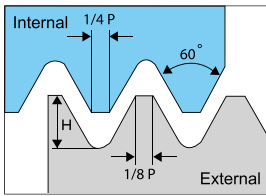
Tolerance class : 6H

Order No.	F	Pitch	L1	W	L	D	H	Min. Bore Dia.
DLTSR05010360U	1.4	0.50	10	0.062	39	3	0.33	3.2
DLTSR07010360U	1.4	0.70	10	0.087	39	3	0.46	3.2
DLTSR07510360U	1.4	0.75	10	0.093	39	3	0.49	3.2
DLTSR05010460U	1.8	0.50	10	0.062	50	4	0.33	4.1
DLTSR07510460U	1.8	0.75	10	0.093	50	4	0.49	4.1
DLTSR08010460U	1.8	0.80	10	0.100	50	4	0.52	4.1
DLTSR10010560U	2.2	1.00	10	0.125	50	5	0.65	4.9
DLTSR05015660U	2.6	0.50	15	0.062	50	6	0.33	5.9
DLTSR07515660U	2.6	0.75	15	0.093	50	6	0.49	5.9
DLTSR10015660U	2.6	1.00	15	0.125	50	6	0.65	5.9
DLTSR12522660U	2.8	1.25	22	0.156	50	6	0.81	6.1

* For left hand tools specify DLTSL instead of DLTSR.

DLTMR Carbide Mini Internal Thread

迷你鎢鋼內徑車牙搪刀



Partial Profile 60°
泛用牙

Tolerance class : 6H

Order No.	F	Pitch	L1	W	L	D	H	Min. Bore Dia.
DLTMR04508360U	1.0	0.45 ~ 0.70	8	0.056	50	3	0.5	2.6
DLTMR07015360U	1.4	0.70 ~ 1.00	15	0.087	50	3	0.7	3.2
DLTMR08015460U	1.8	0.80 ~ 1.00	15	0.100	50	4	0.7	4.1
DLTMR10015560U	2.3	1.00 ~ 1.25	15	0.125	50	5	0.8	5.1
DLTMR10015660U	2.6	1.00 ~ 1.50	15	0.125	50	6	1.0	6.0
DLTMR10018860U	3.6	1.00 ~ 1.75	18	0.125	60	8	1.4	8.0
DLTMR10018160U	4.6	1.00 ~ 2.00	18	0.125	75	10	1.8	10.0

* For left hand tools specify DLTML instead of DLTMR.

Threading

Designations for Threading Insert

車牙刀片型號編碼

16

①

I

②

R

③

A

④

60

⑤

① Insert Size

l (mm)	d (inch)
11	1/4
16	3/8

② Application

E	External
I	Internal

③ Hand of Tool

R	Right Hand
L	Left Hand

④ Thread Pitch or TPI

Partial Profile

	TP (mm)	TPI
A	0.5 ~ 1.5	48 ~ 16
AG	0.5 ~ 3.0	48 ~ 8
G	1.75 ~ 3.0	14 ~ 8

Full Profile
Value by number

TP (mm)	TPI
0.75	34
⋮	⋮
3.00	8

⑤ Thread Standard

Partial Profile

55°	Partial Profile 55°
60°	Partial Profile 60°

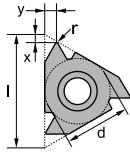
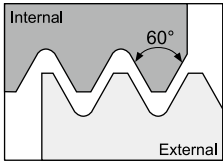
Full Profile

ISO	ISO Metric 60°
UN	American UN 60°
W	Whitworth 55°

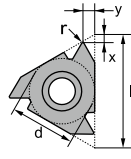
Threading Inserts - Partial Profile 60°

車牙刀片 - 60° 泛牙型

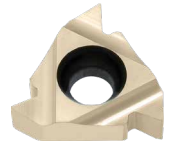
External 外徑



Right hand

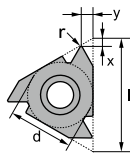
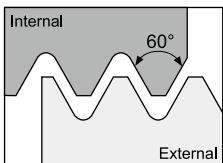


Left hand

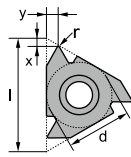


Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
		TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
I11ERA606025	11ERA60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I11ELA606025	11ELA60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I16ERA606025	16ERA60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ELA606025	16ELA60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ERAG606025	16ERAG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ELAG606025	16ELAG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ERG606025	16ERG60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
I16ELG606025	16ELG60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○

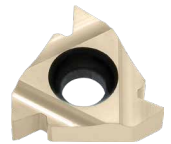
Internal 內徑



Right hand

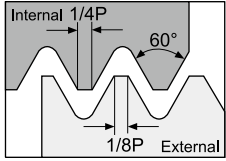


Left hand

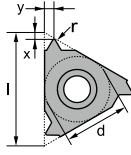


Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
		TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
I11IRA606025	11IRA60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I11ILA606025	11ILA60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I16IRA606025	16IRA60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ILA606025	16ILA60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16IRAG606025	16IRAG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ILAG606025	16ILAG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16IRG606025	16IRG60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
I16ILG606025	16ILG60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○

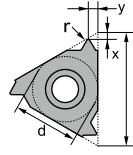
External 外徑



Tolerance Class : 6g/6H



Right hand

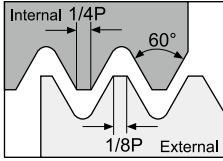


Left hand

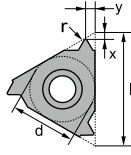


Order No.	Designation	Pitch TP (mm)	Dimensions (mm)					Working Material						
			d	l	r	x	y	P	M	K	N	S	H	
I16ER035ISO6025	16ER0.35ISO-CP6025	0.35	3/8"	16	0.04	0.8	0.4	●	●	●			○	○
I16EL035ISO6025	16EL0.35ISO-CP6025	0.35	3/8"	16	0.04	0.8	0.4	●	●	●			○	○
I16ER040ISO6025	16ER0.40ISO-CP6025	0.40	3/8"	16	0.04	0.7	0.4	●	●	●			○	○
I16ER045ISO6025	16ER0.45ISO-CP6025	0.45	3/8"	16	0.05	0.7	0.4	●	●	●			○	○
I16ER050ISO6025	16ER0.50ISO-CP6025	0.50	3/8"	16	0.05	0.6	0.6	●	●	●			○	○
I16EL050ISO6025	16EL0.50ISO-CP6025	0.50	3/8"	16	0.05	0.6	0.6	●	●	●			○	○
I16ER060ISO6025	16ER0.60ISO-CP6025	0.60	3/8"	16	0.07	0.6	0.6	●	●	●			○	○
I16ER070ISO6025	16ER0.70ISO-CP6025	0.70	3/8"	16	0.07	0.6	0.6	●	●	●			○	○
I16ER075ISO6025	16ER0.75ISO-CP6025	0.75	3/8"	16	0.08	0.6	0.6	●	●	●			○	○
I16EL075ISO6025	16EL0.75ISO-CP6025	0.75	3/8"	16	0.08	0.6	0.6	●	●	●			○	○
I16ER080ISO6025	16ER0.80ISO-CP6025	0.80	3/8"	16	0.09	0.6	0.6	●	●	●			○	○
I16EL080ISO6025	16EL0.80ISO-CP6025	0.80	3/8"	16	0.09	0.6	0.6	●	●	●			○	○
I16ER100ISO6025	16ER1.00ISO-CP6025	1.00	3/8"	16	0.12	0.7	0.7	●	●	●			○	○
I16EL100ISO6025	16EL1.00ISO-CP6025	1.00	3/8"	16	0.12	0.7	0.7	●	●	●			○	○
I16ER125ISO6025	16ER1.25ISO-CP6025	1.25	3/8"	16	0.15	0.8	0.9	●	●	●			○	○
I16EL125ISO6025	16EL1.25ISO-CP6025	1.25	3/8"	16	0.15	0.8	0.9	●	●	●			○	○
I16ER150ISO6025	16ER1.50ISO-CP6025	1.50	3/8"	16	0.18	0.8	1.0	●	●	●			○	○
I16EL150ISO6025	16EL1.50ISO-CP6025	1.50	3/8"	16	0.18	0.8	1.0	●	●	●			○	○
I16ER175ISO6025	16ER1.75ISO-CP6025	1.75	3/8"	16	0.21	0.9	1.2	●	●	●			○	○
I16EL175ISO6025	16EL1.75ISO-CP6025	1.75	3/8"	16	0.21	0.9	1.2	●	●	●			○	○
I16ER200ISO6025	16ER2.00ISO-CP6025	2.00	3/8"	16	0.25	1.0	1.3	●	●	●			○	○
I16EL200ISO6025	16EL2.00ISO-CP6025	2.00	3/8"	16	0.25	1.0	1.3	●	●	●			○	○
I16ER250ISO6025	16ER2.50ISO-CP6025	2.50	3/8"	16	0.31	1.1	1.5	●	●	●			○	○
I16EL250ISO6025	16EL2.50ISO-CP6025	2.50	3/8"	16	0.31	1.1	1.5	●	●	●			○	○
I16ER300ISO6025	16ER3.00ISO-CP6025	3.00	3/8"	16	0.38	1.2	1.6	●	●	●			○	○
I16EL300ISO6025	16EL3.00ISO-CP6025	3.00	3/8"	16	0.38	1.2	1.6	●	●	●			○	○

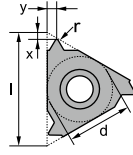
Internal 內徑



Tolerance Class : 6g/6H



Right hand

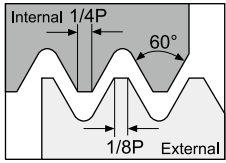


Left hand

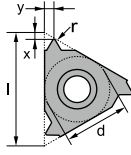


Order No.	Designation	Pitch TP (mm)	Dimensions (mm)					Working Material						
			d	l	r	x	y	P	M	K	N	S	H	
I11IR035ISO6025	11IR0.35ISO-CP6025	0.35	1/4"	11	0.02	0.8	0.3	●	●	●			○	○
I11IL035ISO6025	11IL0.35ISO-CP6025	0.35	1/4"	11	0.02	0.8	0.3	●	●	●			○	○
I11IR040ISO6025	11IR0.40ISO-CP6025	0.40	1/4"	11	0.02	0.8	0.4	●	●	●			○	○
I11IR050ISO6025	11IR0.50ISO-CP6025	0.50	1/4"	11	0.03	0.6	0.6	●	●	●			○	○
I11IL050ISO6025	11IL0.50ISO-CP6025	0.50	1/4"	11	0.03	0.6	0.6	●	●	●			○	○
I11IR070ISO6025	11IR0.70ISO-CP6025	0.70	1/4"	11	0.04	0.6	0.6	●	●	●			○	○
I11IR075ISO6025	11IR0.75ISO-CP6025	0.75	1/4"	11	0.04	0.6	0.6	●	●	●			○	○
I11IL075ISO6025	11IL0.75ISO-CP6025	0.75	1/4"	11	0.04	0.6	0.6	●	●	●			○	○
I11IR080ISO6025	11IR0.80ISO-CP6025	0.80	1/4"	11	0.04	0.6	0.6	●	●	●			○	○
I11IR100ISO6025	11IR1.00ISO-CP6025	1.00	1/4"	11	0.05	0.6	0.7	●	●	●			○	○
I11IL100ISO6025	11IL1.00ISO-CP6025	1.00	1/4"	11	0.05	0.6	0.7	●	●	●			○	○
I11IR125ISO6025	11IR1.25ISO-CP6025	1.25	1/4"	11	0.07	0.8	0.8	●	●	●			○	○
I11IL125ISO6025	11IL1.25ISO-CP6025	1.25	1/4"	11	0.07	0.8	0.8	●	●	●			○	○
I11IR150ISO6025	11IR1.50ISO-CP6025	1.50	1/4"	11	0.08	0.8	1.0	●	●	●			○	○
I11IL150ISO6025	11IL1.50ISO-CP6025	1.50	1/4"	11	0.08	0.8	1.0	●	●	●			○	○
I16IR075ISO6025	16IR0.75ISO-CP6025	0.75	3/8"	16	0.04	0.6	0.6	●	●	●			○	○
I16IL075ISO6025	16IL0.75ISO-CP6025	0.75	3/8"	16	0.04	0.6	0.6	●	●	●			○	○
I16IR080ISO6025	16IR0.80ISO-CP6025	0.80	3/8"	16	0.04	0.6	0.6	●	●	●			○	○
I16IL080ISO6025	16IL0.80ISO-CP6025	0.80	3/8"	16	0.04	0.6	0.6	●	●	●			○	○
I16IR100ISO6025	16IR1.00ISO-CP6025	1.00	3/8"	16	0.05	0.6	0.7	●	●	●			○	○
I16IL100ISO6025	16IL1.00ISO-CP6025	1.00	3/8"	16	0.05	0.6	0.7	●	●	●			○	○
I16IR125ISO6025	16IR1.25ISO-CP6025	1.25	3/8"	16	0.07	0.8	0.9	●	●	●			○	○
I16IL125ISO6025	16IL1.25ISO-CP6025	1.25	3/8"	16	0.07	0.8	0.9	●	●	●			○	○
I16IR150ISO6025	16IR1.50ISO-CP6025	1.50	3/8"	16	0.10	0.8	1.0	●	●	●			○	○
I16IL150ISO6025	16IL1.50ISO-CP6025	1.50	3/8"	16	0.10	0.8	1.0	●	●	●			○	○
I16IR175ISO6025	16IR1.75ISO-CP6025	1.75	3/8"	16	0.12	0.9	1.2	●	●	●			○	○
I16IL175ISO6025	16IL1.75ISO-CP6025	1.75	3/8"	16	0.12	0.9	1.2	●	●	●			○	○
I16IR200ISO6025	16IR2.00ISO-CP6025	2.00	3/8"	16	0.13	1.0	1.3	●	●	●			○	○
I16IL200ISO6025	16IL2.00ISO-CP6025	2.00	3/8"	16	0.13	1.0	1.3	●	●	●			○	○
I16IR250ISO6025	16IR2.50ISO-CP6025	2.50	3/8"	16	0.15	1.1	1.5	●	●	●			○	○
I16IL250ISO6025	16IL2.50ISO-CP6025	2.50	3/8"	16	0.15	1.1	1.5	●	●	●			○	○
I16IR300ISO6025	16IR3.00ISO-CP6025	3.00	3/8"	16	0.18	1.1	1.5	●	●	●			○	○
I16IL300ISO6025	16IL3.00ISO-CP6025	3.00	3/8"	16	0.18	1.1	1.5	●	●	●			○	○

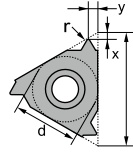
External 外徑



Tolerance Class : 2A/2B



Right hand

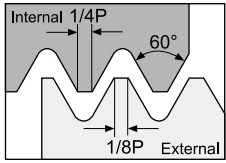


Left hand

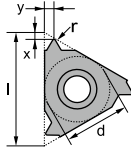


Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
		TPI	d	l	r	x	y	P	M	K	N	S	H
I11ER32UN6025	11ER32UN-CP6025	32	1/4"	11	0.09	0.6	0.6	●	●	●		○	○
I11ER28UN6025	11ER28UN-CP6025	28	1/4"	11	0.10	0.6	0.7	●	●	●		○	○
I11EL28UN6025	11EL28UN-CP6025	28	1/4"	11	0.10	0.6	0.7	●	●	●		○	○
I11ER18UN6025	11ER18UN-CP6025	18	1/4"	11	0.17	0.8	1.0	●	●	●		○	○
I11ER16UN6025	11ER16UN-CP6025	16	1/4"	11	0.18	0.9	1.1	●	●	●		○	○
I16ER40UN6025	16ER40UN-CP6025	40	3/8"	16	0.06	0.6	0.6	●	●	●		○	○
I16EL40UN6025	16EL40UN-CP6025	40	3/8"	16	0.06	0.6	0.6	●	●	●		○	○
I16ER36UN6025	16ER36UN-CP6025	36	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
I16EL36UN6025	16EL36UN-CP6025	36	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
I16ER32UN6025	16ER32UN-CP6025	32	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
I16EL32UN6025	16EL32UN-CP6025	32	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
I16ER28UN6025	16ER28UN-CP6025	28	3/8"	16	0.10	0.6	0.7	●	●	●		○	○
I16EL28UN6025	16EL28UN-CP6025	28	3/8"	16	0.10	0.6	0.7	●	●	●		○	○
I16ER26UN6025	16ER26UN-CP6025	26	3/8"	16	0.11	0.7	0.8	●	●	●		○	○
I16EL26UN6025	16EL26UN-CP6025	26	3/8"	16	0.11	0.7	0.8	●	●	●		○	○
I16ER24UN6025	16ER24UN-CP6025	24	3/8"	16	0.12	0.7	0.8	●	●	●		○	○
I16EL24UN6025	16EL24UN-CP6025	24	3/8"	16	0.12	0.7	0.8	●	●	●		○	○
I16ER20UN6025	16ER20UN-CP6025	20	3/8"	16	0.15	0.8	0.9	●	●	●		○	○
I16EL20UN6025	16EL20UN-CP6025	20	3/8"	16	0.15	0.8	0.9	●	●	●		○	○

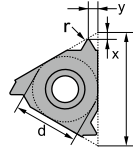
External 外徑



Tolerance Class : 2A/2B



Right hand

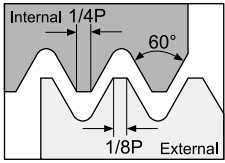


Left hand

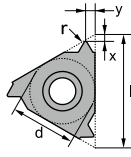


Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
		TPI	d	l	r	x	y	P	M	K	N	S	H
I16ER18UN6025	16ER18UN-CP6025	18	3/8"	16	0.17	0.8	1.0	●	●	●		○	○
I16EL18UN6025	16EL18UN-CP6025	18	3/8"	16	0.17	0.8	1.0	●	●	●		○	○
I16ER16UN6025	16ER16UN-CP6025	16	3/8"	16	0.18	0.9	1.1	●	●	●		○	○
I16EL16UN6025	16EL16UN-CP6025	16	3/8"	16	0.18	0.9	1.1	●	●	●		○	○
I16ER14UN6025	16ER14UN-CP6025	14	3/8"	16	0.22	1.0	1.2	●	●	●		○	○
I16EL14UN6025	16EL14UN-CP6025	14	3/8"	16	0.22	1.0	1.2	●	●	●		○	○
I16ER13UN6025	16ER13UN-CP6025	13	3/8"	16	0.24	1.0	1.3	●	●	●		○	○
I16EL13UN6025	16EL13UN-CP6025	13	3/8"	16	0.24	1.0	1.3	●	●	●		○	○
I16ER12UN6025	16ER12UN-CP6025	12	3/8"	16	0.26	1.1	1.4	●	●	●		○	○
I16EL12UN6025	16EL12UN-CP6025	12	3/8"	16	0.26	1.1	1.4	●	●	●		○	○
I16ER11.5UN6025	16ER11.5UN-CP6025	11.5	3/8"	16	0.27	1.1	1.5	●	●	●		○	○
I16EL11.5UN6025	16EL11.5UN-CP6025	11.5	3/8"	16	0.27	1.1	1.5	●	●	●		○	○
I16ER11UN6025	16ER11UN-CP6025	11	3/8"	16	0.28	1.1	1.5	●	●	●		○	○
I16EL11UN6025	16EL11UN-CP6025	11	3/8"	16	0.28	1.1	1.5	●	●	●		○	○
I16ER10UN6025	16ER10UN-CP6025	10	3/8"	16	0.32	1.1	1.5	●	●	●		○	○
I16EL10UN6025	16EL10UN-CP6025	10	3/8"	16	0.32	1.1	1.5	●	●	●		○	○
I16ER9UN6025	16ER9UN-CP6025	9	3/8"	16	0.36	1.2	1.7	●	●	●		○	○
I16EL9UN6025	16EL9UN-CP6025	9	3/8"	16	0.36	1.2	1.7	●	●	●		○	○
I16ER8UN6025	16ER8UN-CP6025	8	3/8"	16	0.41	1.2	1.6	●	●	●		○	○
I16EL8UN6025	16EL8UN-CP6025	8	3/8"	16	0.41	1.2	1.6	●	●	●		○	○

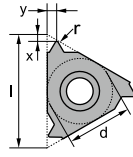
Internal 內徑



Tolerance Class : 2A/2B



Right hand

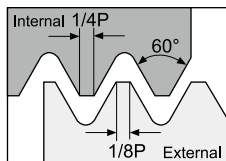


Left hand

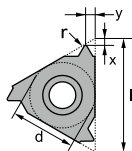


Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
		TPI	d	l	r	x	y	P	M	K	N	S	H
I11R32UN6025	11R32UN-CP6025	32	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
I11L32UN6025	11L32UN-CP6025	32	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
I11R28UN6025	11R28UN-CP6025	28	1/4"	11	0.04	0.6	0.7	●	●	●		○	○
I11L28UN6025	11L28UN-CP6025	28	1/4"	11	0.04	0.6	0.7	●	●	●		○	○
I11R24UN6025	11R24UN-CP6025	24	1/4"	11	0.05	0.7	0.8	●	●	●		○	○
I11L24UN6025	11L24UN-CP6025	24	1/4"	11	0.05	0.7	0.8	●	●	●		○	○
I11R20UN6025	11R20UN-CP6025	20	1/4"	11	0.06	0.8	0.9	●	●	●		○	○
I11L20UN6025	11L20UN-CP6025	20	1/4"	11	0.06	0.8	0.9	●	●	●		○	○
I11R18UN6025	11R18UN-CP6025	18	1/4"	11	0.07	0.8	1.0	●	●	●		○	○
I11L18UN6025	11L18UN-CP6025	18	1/4"	11	0.07	0.8	1.0	●	●	●		○	○
I11R16UN6025	11R16UN-CP6025	16	1/4"	11	0.09	0.9	1.1	●	●	●		○	○
I11L16UN6025	11L16UN-CP6025	16	1/4"	11	0.09	0.9	1.1	●	●	●		○	○
I16R40UN6025	16R40UN-CP6025	40	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
I16L40UN6025	16L40UN-CP6025	40	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
I16R36UN6025	16R36UN-CP6025	36	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
I16L36UN6025	16L36UN-CP6025	36	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
I16R32UN6025	16R32UN-CP6025	32	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
I16L32UN6025	16L32UN-CP6025	32	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
I16R28UN6025	16R28UN-CP6025	28	3/8"	16	0.04	0.6	0.7	●	●	●		○	○
I16L28UN6025	16L28UN-CP6025	28	3/8"	16	0.04	0.6	0.7	●	●	●		○	○
I16R26UN6025	16R26UN-CP6025	26	3/8"	16	0.04	0.7	0.8	●	●	●		○	○
I16L26UN6025	16L26UN-CP6025	26	3/8"	16	0.04	0.7	0.8	●	●	●		○	○
I16R24UN6025	16R24UN-CP6025	24	3/8"	16	0.05	0.7	0.8	●	●	●		○	○
I16L24UN6025	16L24UN-CP6025	24	3/8"	16	0.05	0.7	0.8	●	●	●		○	○
I16R20UN6025	16R20UN-CP6025	20	3/8"	16	0.06	0.8	0.9	●	●	●		○	○
I16L20UN6025	16L20UN-CP6025	20	3/8"	16	0.06	0.8	0.9	●	●	●		○	○

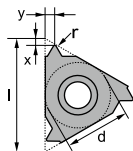
Internal 內徑



Tolerance Class : 2A/2B



Right hand



Left hand

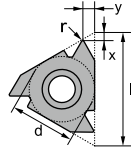
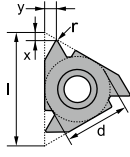
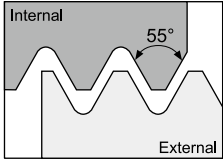


Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
		TPI	d	l	r	x	y	P	M	K	N	S	H
I16R18UN6025	16R18UN-CP6025	18	3/8"	16	0.07	0.8	1.0	●	●	●		○	○
I16L18UN6025	16L18UN-CP6025	18	3/8"	16	0.07	0.8	1.0	●	●	●		○	○
I16R16UN6025	16R16UN-CP6025	16	3/8"	16	0.09	0.9	1.1	●	●	●		○	○
I16L16UN6025	16L16UN-CP6025	16	3/8"	16	0.09	0.9	1.1	●	●	●		○	○
I16R14UN6025	16R14UN-CP6025	14	3/8"	16	0.10	0.9	1.2	●	●	●		○	○
I16L14UN6025	16L14UN-CP6025	14	3/8"	16	0.10	0.9	1.2	●	●	●		○	○
I16R13UN6025	16R13UN-CP6025	13	3/8"	16	0.11	1.0	1.3	●	●	●		○	○
I16L13UN6025	16L13UN-CP6025	13	3/8"	16	0.11	1.0	1.3	●	●	●		○	○
I16R12UN6025	16R12UN-CP6025	12	3/8"	16	0.12	1.1	1.4	●	●	●		○	○
I16L12UN6025	16L12UN-CP6025	12	3/8"	16	0.12	1.1	1.4	●	●	●		○	○
I16R11.5UN6025	16R11.5UN-CP6025	11.5	3/8"	16	0.13	1.1	1.5	●	●	●		○	○
I16L11.5UN6025	16L11.5UN-CP6025	11.5	3/8"	16	0.13	1.1	1.5	●	●	●		○	○
I16R11UN6025	16R11UN-CP6025	11	3/8"	16	0.14	1.1	1.5	●	●	●		○	○
I16L11UN6025	16L11UN-CP6025	11	3/8"	16	0.14	1.1	1.5	●	●	●		○	○
I16R10UN6025	16R10UN-CP6025	10	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
I16L10UN6025	16L10UN-CP6025	10	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
I16R9UN6025	16R9UN-CP6025	9	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
I16L9UN6025	16L9UN-CP6025	9	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
I16R8UN6025	16R8UN-CP6025	8	3/8"	16	0.19	1.1	1.5	●	●	●		○	○
I16L8UN6025	16L8UN-CP6025	8	3/8"	16	0.19	1.1	1.5	●	●	●		○	○

Threading Inserts - Partial Profile 55°

車牙刀片 - 55° 泛牙型

External 外徑

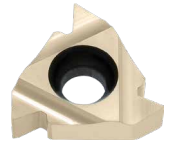
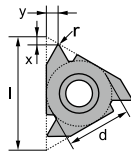
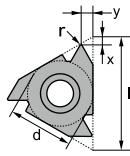
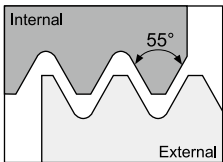


Right hand

Left hand

Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
		TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
I11ERA556025	11ERA55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I11ELA556025	11ELA55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I16ERA556025	16ERA55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ELA556025	16ELA55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ERAG556025	16ERAG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ELAG556025	16ELAG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ERG556025	16ERG55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
I16ELG556025	16ELG55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○

Internal 內徑



Right hand

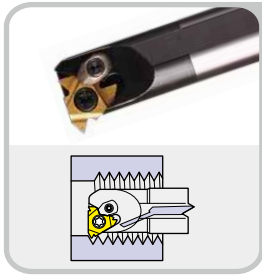
Left hand

Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
		TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
I11IRA556025	11IRA55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I11ILA556025	11ILA55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
I16IRA556025	16IRA55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16ILA556025	16ILA55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
I16IRAG556025	16IRAG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16ILAG556025	16ILAG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
I16IRG556025	16IRG55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
I16ILG556025	16ILG55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○

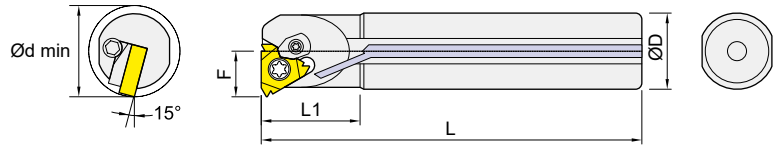
Threading

Internal Threading Tool Holders

內徑車牙刀桿

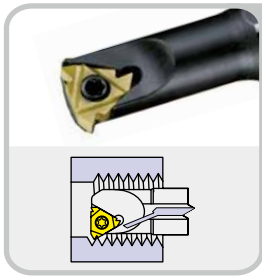


SN..CL

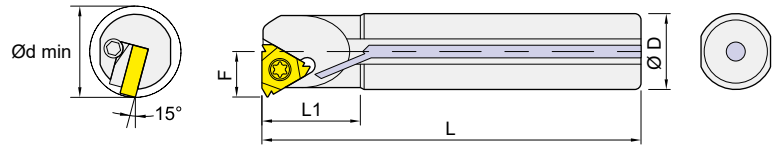


Right-hand shown

Order No.	Dimensions (mm)					Coolant	Insert	Spare parts
	D	L	L1	F	d min			
ISN ^R _L 0020R16CL	20	200	40	12	24		16IR 16IL	①
ISN ^R _L 0025R16CL	25	200	45	14.5	29			
ISN ^R _L 0032S16CL	32	250	45	18.5	36			
ISN ^R _L A0020R16CL	20	200	40	12	24	●		
ISN ^R _L A0025R16CL	25	200	45	14.5	29	●		
ISN ^R _L A0032S16CL	32	250	45	18.5	36	●		



SN



Right-hand shown

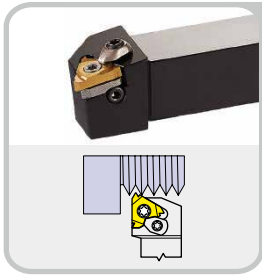
Order No.	Dimensions (mm)					Coolant	Insert	Spare parts
	D	L	L1	F	d min			
ISN ^R _L 0010K11S10	10	125	22	6.5	13		11IR 11IL	②
ISN ^R _L 0012M11S12	12	150	26	8	16			
ISN ^R _L A0010K11S10	10	125	22	6.5	13	●		
ISN ^R _L A0012M11S12	12	150	26	8	16	●		
ISN ^R _L 0016Q16	16	180	36	10	19		16IR 16IL	③
ISN ^R _L 0020R16	20	200	40	12	24			④
ISN ^R _L 0025R16	25	200	45	14.5	29			④
ISN ^R _L 0032S16	32	250	45	18.5	36			③
ISN ^R _L A0016Q16	16	180	36	10	19	●		③
ISN ^R _L A0020R16	20	200	40	12	24	●		④
ISN ^R _L A0025R16	25	200	45	14.5	29	●		④
ISN ^R _L A0032S16	32	250	45	18.5	36	●		④

Spare parts	Screw	Shim	Screw	Wrench	Clamp	Wrench
①	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	IMC353V	ITK15
②	IMS2507G	-	-	-	-	ITK08
③	IMS3509A	-	-	-	-	ITK15
④	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	-	ITK15

※ SNR right hand tools shim is IGXN16, SNL left hand tools shim is IGXE16.

External Threading Tool Holders

外徑車牙刀桿



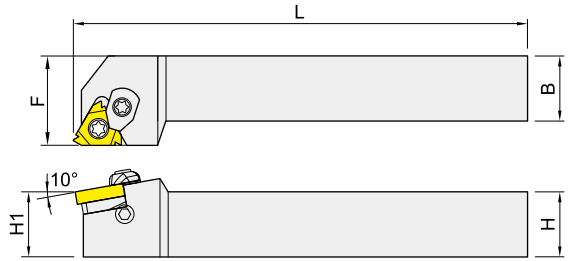
SE..CL



SER1010K16HC
SER1212K16HC

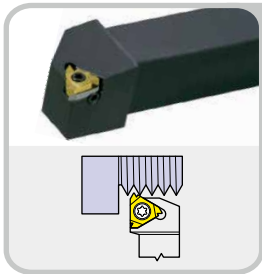


SER1216K16HC
SER1616K16HC



Right-hand shown

Order No.	Dimensions (mm)				Insert	Spare parts
	H(H1)	B	L	F		
ISE ^R _L 1010K16HC	10	10	125	10	16ER 16EL	①
ISE ^R _L 1212K16HC	12	12	125	12		
ISE ^R _L 1216K16HC	12	16	125	16		
ISE ^R _L 1616K16HC	16	16	125	16		
ISE ^R _L 1616K16CL	16	16	125	20		②
ISE ^R _L 2020K16CL	20	20	125	25		
ISE ^R _L 2525M16CL	25	25	150	32		
ISE ^R _L 3232P16CL	32	32	170	40		



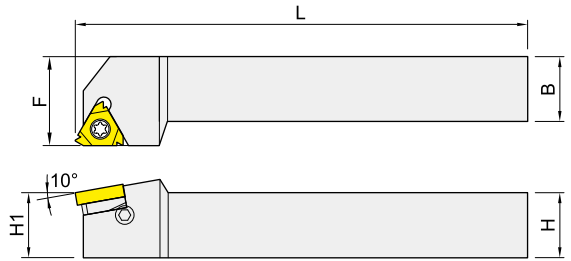
SE



SER1010K16
SER1212K16



SER1216K16
SER1616K16H

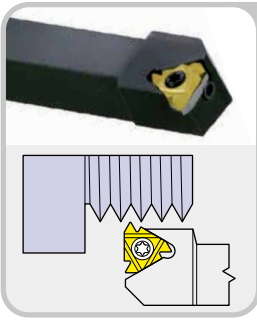


Right-hand shown

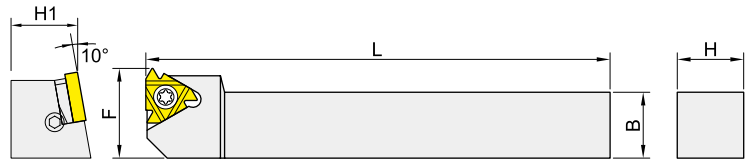
Order No.	Dimensions (mm)				Insert	Spare parts
	H(H1)	B	L	F		
ISE ^R _L 1216K16	12	16	125	16	16ER 16EL	③
ISE ^R _L 1010K16H	10	10	125	10		
ISE ^R _L 1212K16H	12	12	125	12		
ISE ^R _L 1616K16H	16	16	125	16		
ISE ^R _L 1616K16	16	16	125	20		④
ISE ^R _L 2020K16	20	20	125	25		
ISE ^R _L 2525M16	25	25	150	32		
ISE ^R _L 3232P16	32	32	170	40		

Spare parts	Screw	Shim	Screw	Wrench	Clamp	Wrench
①	IMS3509A	-	-	-	-	ITK15
②	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	IMC353V	ITK15
③	IMS3509A	-	-	-	-	ITK15
④	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	-	ITK15

※ SER right hand tools shim is IGXE16, SEL left hand tools shim is IGXN16.



SKE



Right-hand shown

Order No.	Dimensions (mm)				Insert	Spare parts
	H(H1)	B	L	F		
ISKE ^R / _L 1212K16	12	12	125	18	16ER 16EL	①
ISKE ^R / _L 1616K16	16	16	125	22		②
ISKE ^R / _L 2020K16	20	20	125	27		
ISKE ^R / _L 2525M16	25	25	150	34		

Spare parts	Screw	Shim	Screw	Wrench	Wrench
①	IMS3509A	-	-	-	ITK15
②	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	ITK15

※ SKER right hand tools shim is IGXE16, SKEL left hand tools shim is IGXN16.

Recommended Cutting Conditions 建議切削數據

Working Material	Vc (m/min)
Carbon Steel (HB85-225)	60 - 100 - 140
Stainless 300 Series	40 - 80 - 120
Cast Iron (HB140-220)	60 - 90 - 120
High Temperature Alloy	25 - 45 - 65
Hardened Steel	20 - 40 - 60

Threading Tools

Depth of Cut And Number of Passes 切深與加工步數

ISO Metric 60° External 外徑

No. of Passes	Pitch (mm)															
	0.5	0.75	0.8	1.0	1.25	1.5	1.75	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Radial infeed per pass (mm)																
1	0.102	0.178	0.178	0.178	0.178	0.229	0.229	0.254	0.279	0.279	0.330	0.330	0.381	0.406	0.432	0.457
2	0.102	0.152	0.152	0.178	0.178	0.203	0.203	0.229	0.254	0.254	0.305	0.330	0.330	0.381	0.406	0.432
3	0.076	0.102	0.127	0.127	0.152	0.178	0.152	0.178	0.203	0.203	0.254	0.254	0.279	0.330	0.330	0.356
4	0.076	0.076	0.076	0.102	0.127	0.152	0.152	0.152	0.178	0.178	0.203	0.229	0.229	0.279	0.279	0.305
5	0.356	0.508	0.533	0.076	0.102	0.127	0.127	0.152	0.152	0.178	0.178	0.229	0.229	0.229	0.229	0.279
6			0.660	0.076	0.076	0.102	0.127	0.127	0.152	0.178	0.178	0.203	0.229	0.229	0.229	0.229
7				0.813	0.965	0.102	0.102	0.127	0.127	0.152	0.152	0.178	0.203	0.203	0.203	0.229
8						0.076	0.076	0.102	0.127	0.152	0.152	0.178	0.178	0.178	0.203	0.203
9								1.143	1.270	0.102	0.127	0.152	0.152	0.178	0.178	0.203
10										0.076	0.102	0.127	0.127	0.152	0.178	0.178
11										1.600	0.102	0.102	0.127	0.152	0.152	0.178
12											0.076	0.076	0.127	0.127	0.152	0.152
13											1.880	2.210	0.102	0.127	0.127	0.152
14													0.076	0.102	0.127	0.152
15													2.515	2.819	3.124	0.127
16																0.102
																3.429
																3.734

Last pass equals total depth of thread.

ISO Metric 60° Internal 內徑

No. of Passes	Pitch (mm)															
	0.5	0.75	1.0	1.25	1.5	1.75	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
Radial infeed per pass (mm)																
1	0.102	0.178	0.178	0.203	0.254	0.229	0.254	0.279	0.279	0.305	0.330	0.356	0.381	0.381	0.406	0.406
2	0.102	0.127	0.152	0.178	0.203	0.203	0.229	0.229	0.229	0.279	0.305	0.330	0.356	0.356	0.406	0.406
3	0.076	0.102	0.102	0.127	0.152	0.152	0.178	0.178	0.203	0.229	0.229	0.279	0.305	0.305	0.356	0.356
4	0.076	0.076	0.102	0.102	0.102	0.127	0.152	0.152	0.152	0.203	0.203	0.229	0.254	0.254	0.279	0.279
5	0.356	0.483	0.076	0.102	0.102	0.102	0.127	0.152	0.152	0.178	0.178	0.203	0.229	0.229	0.229	0.229
6			0.610	0.076	0.076	0.102	0.102	0.127	0.152	0.152	0.152	0.178	0.203	0.203	0.229	0.229
7				0.787	0.889	0.102	0.102	0.102	0.127	0.152	0.152	0.152	0.178	0.178	0.203	0.203
8						0.076	0.076	0.102	0.102	0.152	0.152	0.152	0.152	0.178	0.178	0.178
9								1.092	1.219	0.102	0.102	0.127	0.127	0.152	0.152	0.178
10										0.076	0.102	0.102	0.127	0.152	0.152	0.152
11										1.499	0.102	0.102	0.102	0.127	0.152	0.152
12											0.076	0.076	0.102	0.127	0.152	0.152
13											1.778	2.057	0.102	0.102	0.127	0.152
14													0.076	0.102	0.102	0.127
15													2.337	2.642	2.896	0.127
16																0.102
																3.200
																3.454

Last pass equals total depth of thread.

Depth of Cut And Number of Passes 切深與加工步數

Unified(UN) 60° External 外徑

No. of Passes	TPI												
	32	28	24	20	18	16	14	13	12	11	10	9	8
	Radial infeed per pass (mm)												
1	0.178	0.178	0.178	0.203	0.229	0.229	0.229	0.254	0.279	0.279	0.279	0.279	0.305
2	0.152	0.152	0.178	0.178	0.203	0.203	0.229	0.229	0.229	0.254	0.229	0.229	0.254
3	0.127	0.127	0.152	0.152	0.152	0.152	0.178	0.178	0.203	0.203	0.203	0.203	0.229
4	0.076	0.102	0.127	0.127	0.152	0.152	0.152	0.152	0.152	0.178	0.178	0.178	0.178
5	0.533	0.076	0.076	0.102	0.127	0.127	0.127	0.152	0.152	0.152	0.152	0.152	0.178
6		0.635	0.711	0.076	0.076	0.102	0.102	0.127	0.152	0.152	0.152	0.152	0.152
7				0.838	0.940	0.076	0.102	0.102	0.127	0.127	0.152	0.152	0.152
8						1.041	0.076	0.076	0.076	0.102	0.127	0.127	0.152
9							1.194	1.270	1.372	0.076	0.102	0.127	0.127
10										1.499	0.076	0.102	0.127
11											1.651	0.076	0.102
12												1.778	0.076
13													2.032

Last pass equals total depth of thread.

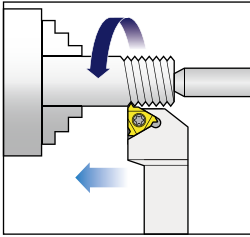
Unified(UN) 60° Internal 內徑

No. of Passes	TPI												
	32	28	24	20	18	16	14	13	12	11	10	9	8
	Radial infeed per pass (mm)												
1	0.178	0.178	0.178	0.203	0.229	0.229	0.229	0.254	0.279	0.279	0.279	0.279	0.305
2	0.152	0.152	0.152	0.178	0.178	0.178	0.203	0.229	0.229	0.229	0.229	0.229	0.279
3	0.102	0.102	0.152	0.127	0.152	0.152	0.152	0.152	0.178	0.178	0.152	0.178	0.203
4	0.076	0.102	0.102	0.102	0.127	0.127	0.152	0.152	0.152	0.152	0.152	0.152	0.178
5	0.508	0.076	0.076	0.102	0.102	0.102	0.102	0.127	0.127	0.152	0.152	0.152	0.152
6		0.610	0.660	0.076	0.076	0.102	0.102	0.102	0.102	0.127	0.127	0.152	0.152
7				0.787	0.864	0.076	0.102	0.102	0.102	0.102	0.102	0.127	0.127
8						0.940	0.076	0.076	0.076	0.102	0.102	0.102	0.102
9							1.118	1.194	1.245	0.076	0.102	0.102	0.102
10										1.397	0.076	0.102	0.102
11											1.499	0.076	0.102
12												1.651	0.076
13													1.880

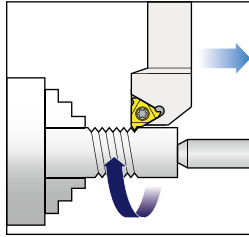
Last pass equals total depth of thread.

Thread Methods 進刀方法

External Right Hand Thread

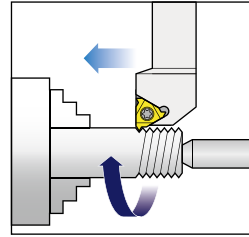


Spindle : Clockwise
Tool : right hand

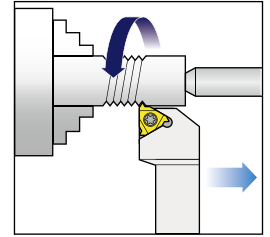


Spindle : Counterclockwise
Tool : left hand

External Left Hand Thread

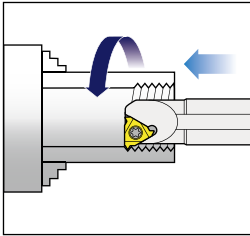


Spindle : Counterclockwise
Tool : left hand

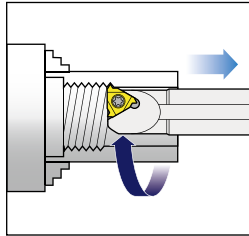


Spindle : Clockwise
Tool : right hand

Internal Right Hand Thread

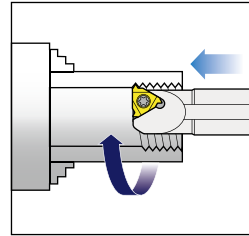


Spindle : Clockwise
Tool : right hand

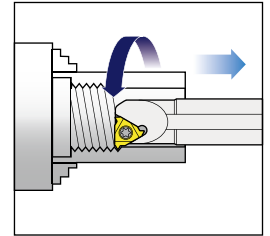


Spindle : Counterclockwise
Tool : left hand

Internal Left Hand Thread



Spindle : Counterclockwise
Tool : left hand



Spindle : Clockwise
Tool : right hand

Infeed Methods 螺紋加工方法

Infeed Methods	Features
<p>Radial Infeed</p>	<ul style="list-style-type: none"> • For pitches of less than 1.5mm or 16 T.P.I. • Most commonly used method on manual lathes. • Equal wear on leading and trailing edge. • Good surface finish on trailing edge. • Use on work hardening materials. • Use on short chipping materials.
<p>Modified Flank Infeed</p>	<ul style="list-style-type: none"> • For threads greater than 1.5mm or 16 T.P.I. • Reduced cutting pressure on larger pitches. • Reduced chatter. • Directs chip away from the cutting edge. • Displaced in-feed angle improves surface finish. • First choice for internal threading.
<p>Alternating Flank Infeed</p>	<ul style="list-style-type: none"> • Recommended for large pitches. • Recommended for long chipping materials. • Method divides the work between both flanks. • Results in equal wear. • Less cutting pressure. • Not available on all lathes.

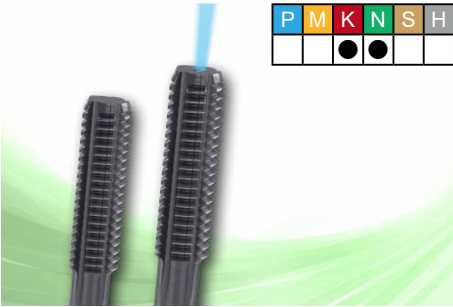
TKS Series



- Spiral Fluted Taps.
- High rigidity prevents tool breakage.
- For cast iron, brass casting, aluminum casting and steel.
- 全鎢鋼螺旋絲攻
- 高剛性避免刀具損壞
- 適合鑄鐵，鑄銅，鑄鋁及鋼料加工

→ Page E043

TKT Series



- Straight Fluted Taps.
- Strong cutting edges.
- For cast iron, brass casting, and aluminum casting.
- 全鎢鋼直刃絲攻
- 強壯的切削刃
- 適合鑄鐵，鑄銅及鑄鋁加工

→ Page E045

THT Series



- Straight Fluted Taps.
- Strong cutting edges.
- For hardened steel (HRC 40 ~ 55).

- 全鎢鋼直刃絲攻
- 強壯的切削刃
- 適合高硬度鋼加工

→ Page E047

TNF Series



- Forming Taps.
- Do not produce chips.
- For aluminum alloy and copper.

- 全鎢鋼無屑絲攻
- 攻牙時不會產生切屑
- 適合鋁及銅加工

→ Page E048

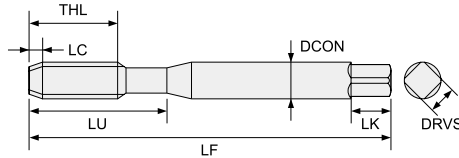
TKS - Spiral Fluted Taps

全鎢鋼螺旋絲攻

P	M	K	N	S	H
○		●	●		

Specification

- Thread type : ISO M
- For cast iron, brass casting, aluminum casting and steel.
- Recommend for through hole.
- New ANAX Smooth Coating
- Vc = 5~15 m/min



JIS Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKSNM306010031A	M6×1.00	2~3P	19	29	70	6	7	4.5	3	OH3	5.0
TKSNM308012531A	M8×1.25		22	-	75	6.2	8	5	3		6.75
TKSNM310012531A	M10×1.25		24	-	75	7	8	5.5	3		8.5
TKSNM310012631A	M10×1.50		24	-	75	7	8	5.5	3	OH4	8.5
TKSNM312012531A	M12×1.25		29	-	95	8.5	9	6.5	3	10.25	
TKSNM312017531A	M12×1.75		29	-	95	8.5	9	6.5	3	10.25	

DIN 371

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKSNM305008033A	M5×0.80	Form C (2~3P)	16	24	70	6	8	4.9	3	6HX	4.2
TKSNM306010033A	M6×1.00		19	29	70	6	8	4.9	3		5.0
TKSNM308012533A	M8×1.25		22	32	75	8	9	6.2	3		6.75
TKSNM310015033A	M10×1.50		24	40	75	10	11	8	3		8.5

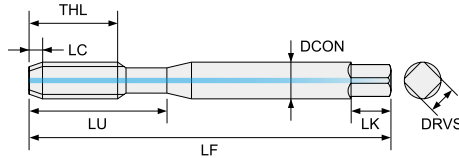
TKS - Spiral Fluted Taps with Internal Coolant

全鎢鋼內冷螺旋絲攻

P	M	K	N	S	H
○		●	●		

Specification

- Thread type : ISO M
- For cast iron, brass casting, aluminum casting and steel.
- Recommend for blind hole.
- New ANAX Smooth Coating
- Vc = 10~50 m/min



JIS Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKSCM306010031A	M6×1.00		19	29	70	6	7	4.5	3	OH3	5.0
TKSCM308012531A	M8×1.25		22	-	75	6.2	8	5	3		6.75
TKSCM310012531A	M10×1.25	2~3P	24	-	75	7	8	5.5	3		8.5
TKSCM310012631A	M10×1.50		24	-	75	7	8	5.5	3	OH4	8.5
TKSCM312012531A	M12×1.25		29	-	95	8.5	9	6.5	3		10.25
TKSCM312017531A	M12×1.75		29	-	95	8.5	9	6.5	3		10.25

DIN 371

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKSCM305008033A	M5×0.80		16	24	70	6	8	4.9	3		4.2
TKSCM306010033A	M6×1.00	Form C (2~3P)	19	29	70	6	8	4.9	3	6HX	5.0
TKSCM308012533A	M8×1.25		22	32	75	8	9	6.2	3		6.75
TKSCM310015033A	M10×1.50		24	40	75	10	11	8	3		8.5

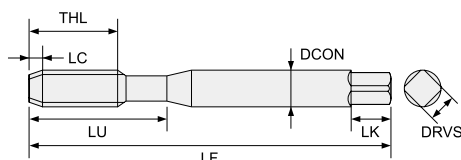
TKT - Straight Fluted Taps

全鎢鋼直刃絲攻



Specification

- Thread type : ISO M
- For cast iron, brass casting and aluminum casting.
- Recommend for through hole.
- New ANAX Smooth Coating
- Vc = 5~15 m/min



JIS Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKTNM403005031A	M3×0.50		11	19	65	4	6	3.2	4		2.5
TKTNM404007031A	M4×0.70		13	21	65	5	7	4	4		3.3
TKTNM405008031A	M5×0.80		16	24	70	5.5	7	4.5	4		4.2
TKTNM506010031A	M6×1.00		19	29	70	6	7	4.5	5		5.0
TKTNM508010031A	M8×1.00		22	-	75	6.2	8	5	5	OH3	7.0
TKTNM508012531A	M8×1.25	3P	22	-	75	6.2	8	5	5		6.75
TKTNM510010031A	M10×1.00		24	-	75	7	8	5.5	5		9.0
TKTNM510015031A	M10×1.50		24	-	75	7	8	5.5	5		8.5
TKTNM512015031A	M12×1.50		29	-	95	8.5	9	6.5	5		10.5
TKTNM512017531A	M12×1.75		29	-	95	8.5	9	6.5	5		10.25
TKTNM616020031A	M16×2.00		32	-	95	12.5	13	10	6	OH4	14

DIN 371

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKTNM303005053A	M3×0.50		11	19	65	3.5	6	2.7	3		2.5
TKTNM404007053A	M4×0.70		13	21	65	4.5	6	3.4	4		3.3
TKTNM405008053A	M5×0.80		16	24	70	6	8	4.9	4		4.2
TKTNM406010053A	M6×1.00		19	29	70	6	8	4.9	4		5.0
TKTNM508010053A	M8×1.00		22	32	75	8	9	6.2	5		7.0
TKTNM508012553A	M8×1.25	Form D (3.5~5P)	22	32	75	8	9	6.2	5	6H	6.75
TKTNM510010053A	M10×1.00		24	40	75	10	11	8	5		9.0
TKTNM510015053A	M10×1.50		24	40	75	10	11	8	5		8.5
TKTNM512015053A	M12×1.50		29	48	85	12	12	9	5		10.5
TKTNM512017553A	M12×1.75		29	48	85	12	12	9	5		10.25
TKTNM516020053A	M16×2.00		32	64	95	16	15	12	5		14

Threading

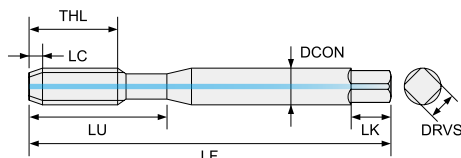
TKT - Straight Fluted Taps with Internal Coolant

全鎢鋼內冷直刃絲攻

P	M	K	N	S	H
		●	●		

Specification

- Thread type : ISO M
- For cast iron, brass casting and aluminum casting.
- Recommend for blind hole.
- New ANAX Smooth Coating
- Vc = 10~50 m/min



JIS Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKTCM403005031A	M3×0.50		11	19	65	4	6	3.2	4		2.5
TKTCM404007031A	M4×0.70		13	21	65	5	7	4	4		3.3
TKTCM405008031A	M5×0.80		16	24	70	5.5	7	4.5	4		4.2
TKTCM506010031A	M6×1.00		19	29	70	6	7	4.5	5		5.0
TKTCM508010031A	M8×1.00		22	-	75	6.2	8	5	5	OH3	7.0
TKTCM508012531A	M8×1.25	3P	22	-	75	6.2	8	5	5		6.75
TKTCM510010031A	M10×1.00		24	-	75	7	8	5.5	5		9.0
TKTCM510015031A	M10×1.50		24	-	75	7	8	5.5	5		8.5
TKTCM512015031A	M12×1.50		29	-	95	8.5	9	6.5	5		10.5
TKTCM512017531A	M12×1.75		29	-	95	8.5	9	6.5	5		10.25
TKTCM616020031A	M16×2.00		32	-	95	12.5	13	10	6	OH4	14

DIN 371

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
TKTCM303005053A	M3×0.50		11	19	65	3.5	6	2.7	3		2.5
TKTCM404007053A	M4×0.70		13	21	65	4.5	6	3.4	4		3.3
TKTCM405008053A	M5×0.80		16	24	70	6	8	4.9	4		4.2
TKTCM406010053A	M6×1.00		19	29	70	6	8	4.9	4		5.0
TKTCM508010053A	M8×1.00		22	32	75	8	9	6.2	5		7.0
TKTCM508012553A	M8×1.25	Form D (3.5~5P)	22	32	75	8	9	6.2	5	6H	6.75
TKTCM510010053A	M10×1.00		24	40	75	10	11	8	5		9.0
TKTCM510015053A	M10×1.50		24	40	75	10	11	8	5		8.5
TKTCM512015053A	M12×1.50		29	48	85	12	12	9	5		10.5
TKTCM512017553A	M12×1.75		29	48	85	12	12	9	5		10.25
TKTCM516020053A	M16×2.00		32	64	95	16	15	12	5		14

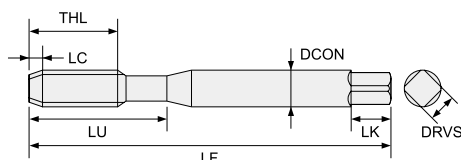
THT - Straight Fluted Taps

全鎢鋼直刃絲攻



Specification

- Thread type : ISO M
- For hardened steel (HRC 40 ~ 55)
- Suitable for through or blind hole.
- New ANAX Smooth Coating
- Vc = 2~4 m/min



JIS Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
THTNM403005031A	M3×0.50		11	19	65	4	6	3.2	4		2.5
THTNM404007031A	M4×0.70		13	21	65	5	7	4	4		3.3
THTNM405008031A	M5×0.80		16	24	70	5.5	7	4.5	4		4.2
THTNM506010031A	M6×1.00		19	29	70	6	7	4.5	5		5.0
THTNM508010031A	M8×1.00		22	-	75	6.2	8	5	5	OH3	7.0
THTNM508012531A	M8×1.25	3P	22	-	75	6.2	8	5	5		6.75
THTNM510010031A	M10×1.00		24	-	75	7	8	5.5	5		9.0
THTNM510015031A	M10×1.50		24	-	75	7	8	5.5	5		8.5
THTNM512015031A	M12×1.50		29	-	95	8.5	9	6.5	5		10.5
THTNM512017531A	M12×1.75		29	-	95	8.5	9	6.5	5		10.25
THTNM616020031A	M16×2.00		32	-	95	12.5	13	10	6	OH4	14

DIN 371

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Flutes	TAP Limit	Drill Hole
THTNM303005053A	M3×0.50		11	19	65	3.5	6	2.7	3		2.5
THTNM404007053A	M4×0.70		13	21	65	4.5	6	3.4	4		3.3
THTNM405008053A	M5×0.80		16	24	70	6	8	4.9	4		4.2
THTNM406010053A	M6×1.00		19	29	70	6	8	4.9	4		5.0
THTNM508010053A	M8×1.00		22	32	75	8	9	6.2	5		7.0
THTNM508012553A	M8×1.25	Form D (3.5~5P)	22	32	75	8	9	6.2	5	6H	6.75
THTNM510010053A	M10×1.00		24	40	75	10	11	8	5		9.0
THTNM510015053A	M10×1.50		24	40	75	10	11	8	5		8.5
THTNM512015053A	M12×1.50		29	48	85	12	12	9	5		10.5
THTNM512017553A	M12×1.75		29	48	85	12	12	9	5		10.25
THTNM516020053A	M16×2.00		32	64	95	16	15	12	5		14

Threading

TNF - Forming Taps

全鎢鋼無屑絲攻

P	M	K	N	S	H
			●		

Specification

- Thread type : ISO M · Flute : 4 · For aluminum alloy and copper.
- Chamfer Length(LC) 4P for through holes, 2P for blind holes · Vc = 15~30 m/min
- Suitable for through or blind hole.



Fig. 1

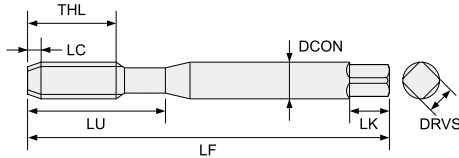
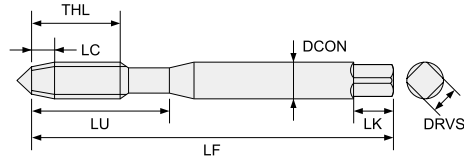


Fig. 2



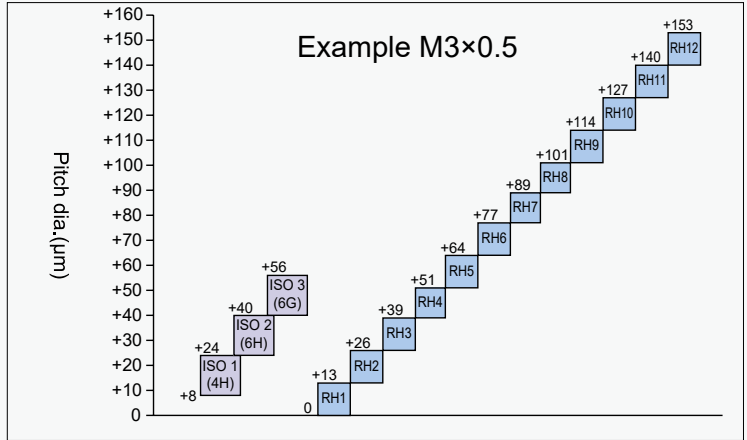
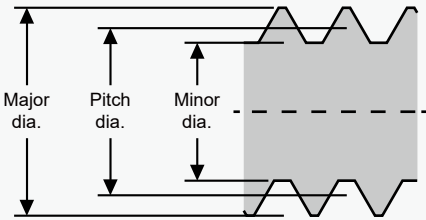
Unit:mm

Order No.	Thread	LC	THL	LU	LF	DCON	LK	DRVS	Cutting Edges	Fig	TAP Limit	Drill Hole
TNFNM401002541	M1×0.25	4P	6	-	50	3	5	2.5	4	2	RH4	0.92
TNFNM401202541	M1.2×0.25	4P	6	-	50	3	5	2.5	4	2	RH4	1.12
TNFNM401403041	M1.4×0.30	4P	6	-	50	3	5	2.5	4	2	RH4	1.29
TNFNM402004021	M2×0.40	2P	8	-	50	3	5	2.5	4	1	RH4	1.85
TNFNM402004041	M2×0.40	4P	8	-	50	3	5	2.5	4	2	RH4	1.85
TNFNM403005021	M3×0.50	2P	11	19	50	4	6	3.2	4	1	RH5	2.8
TNFNM403005041	M3×0.50	4P	11	19	50	4	6	3.2	4	2	RH5	2.8
TNFNM404007021	M4×0.70	2P	13	21	50	5	7	4	4	1	RH6	3.7
TNFNM404007041	M4×0.70	4P	13	21	50	5	7	4	4	2	RH6	3.7
TNFNM405008021	M5×0.80	2P	16	24	60	6	7	4.5	4	1	RH7	4.65
TNFNM405008041	M5×0.80	4P	16	24	60	6	7	4.5	4	2	RH7	4.65
TNFNM406010021	M6×1.00	2P	19	29	60	6	7	4.5	4	1	RH7	5.55
TNFNM406010041	M6×1.00	4P	19	29	60	6	7	4.5	4	2	RH7	5.55

RH Limit 精度

Upper limit : $0.0127 \times n$
 Lower limit : $0.0127 \times n - 0.0127$

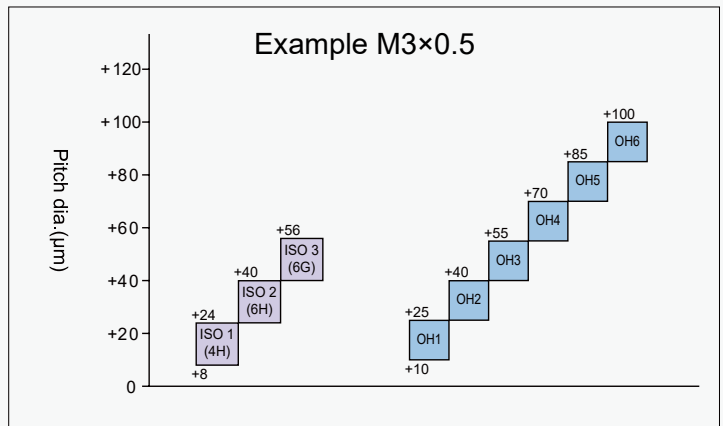
(n=RH number, Unit:mm)



OH Limit 精度

Pitch ≤ 0.6
 Upper limit : $0.010 + 0.015 \times n$
 Lower limit : (upper limit) - 0.015

(n=OH number, Unit:mm)



Pitch ≥ 0.7
 Upper limit : $0.020 \times n$
 Lower limit : (upper limit) - 0.020

(n=OH number, Unit:mm)

