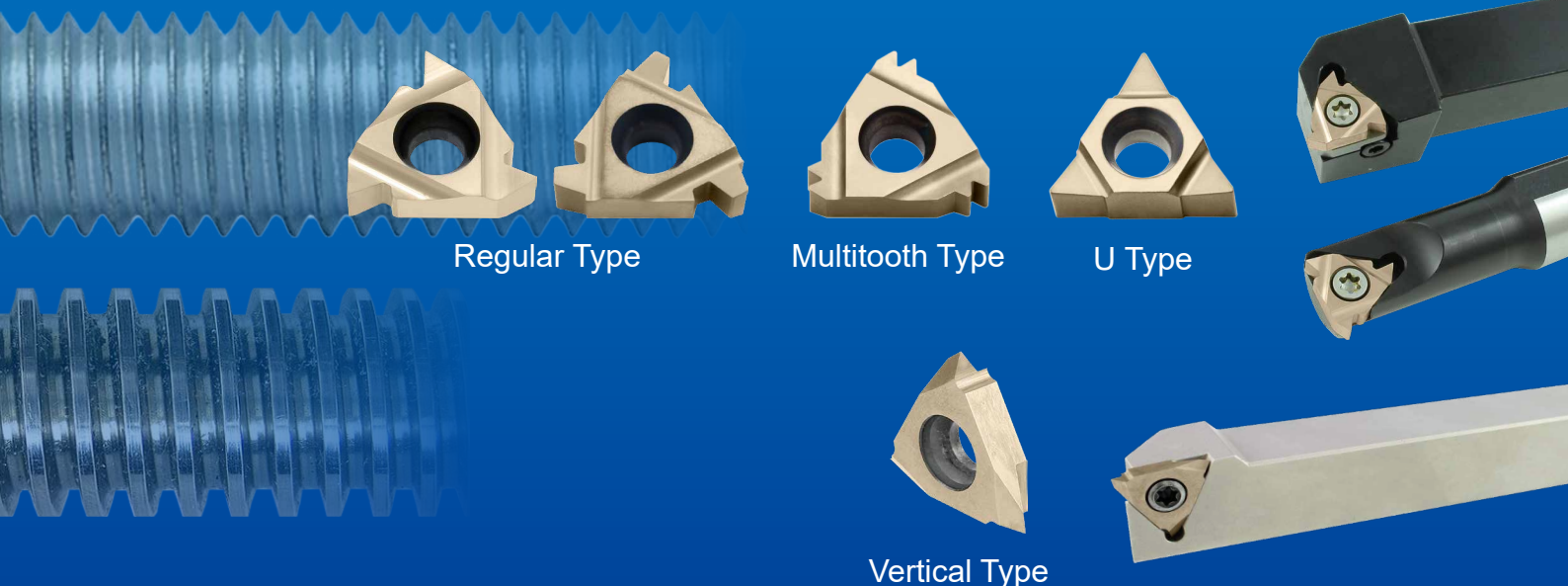


Thread Turning Tools

車牙刀片及刀桿

- Insert types : Regular, Multitooth, U and Vertical.
- Three insert sizes : 11, 16 and 22.
- Thread type : Partial, ISO, UN and ACME.
- Sharp positive edge design provides low cutting forces and excellent chip control, reduce burr and vibration.
- Welcome to order special thread types.

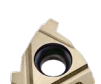
- 車牙刀片樣式：常規，多齒，U 型及立式
- 3 種車牙刀片尺寸：11, 16 及 22
- 車牙刀片類型：泛牙，ISO, UN 及 ACME
- 鋒利的正角刀口設計提供低切削力和出色的切屑處理，可減少毛刺和振動
- 歡迎訂購特殊螺紋類型



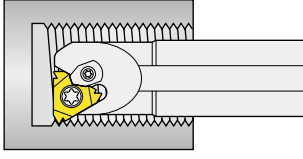
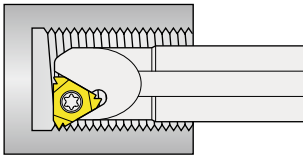
Thread Turning Insert 車牙刀片

Insert Sharp 刀片外觀	Thread Standard 牙型	Insert Code 刀片碼	Thread Pitch 螺距或牙數	Applicable Holder 適用刀桿	Page 頁碼															
 Regular Type	Partial Profile 60°	11E ^R / _L ...60 11I ^R / _L ...60 16E ^R / _L ...60 16I ^R / _L ...60 22E ^R / _L ...60 22I ^R / _L ...60	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>A</td><td>0.5 ~ 1.5</td><td>48 ~ 16</td></tr><tr><td>AG</td><td>0.5 ~ 3.0</td><td>48 ~ 8</td></tr><tr><td>G</td><td>1.75 ~ 3.0</td><td>14 ~ 8</td></tr><tr><td>N</td><td>3.5 ~ 5.0</td><td>7 ~ 5</td></tr></table>		TP (mm)	TPI	A	0.5 ~ 1.5	48 ~ 16	AG	0.5 ~ 3.0	48 ~ 8	G	1.75 ~ 3.0	14 ~ 8	N	3.5 ~ 5.0	7 ~ 5	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	05
		TP (mm)	TPI																	
A		0.5 ~ 1.5	48 ~ 16																	
AG	0.5 ~ 3.0	48 ~ 8																		
G	1.75 ~ 3.0	14 ~ 8																		
N	3.5 ~ 5.0	7 ~ 5																		
 U Type	22UEIRLU60	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>U</td><td>5.5 ~ 8.0</td><td>4.5 ~ 3.25</td></tr></table>		TP (mm)	TPI	U	5.5 ~ 8.0	4.5 ~ 3.25	—											
	TP (mm)	TPI																		
U	5.5 ~ 8.0	4.5 ~ 3.25																		
 Vertical Type		16VE ^R / _L ...60	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>A</td><td>0.5 ~ 1.5</td><td>48 ~ 16</td></tr><tr><td>AG</td><td>0.5 ~ 2.5</td><td>48 ~ 10</td></tr><tr><td>G</td><td>1.75 ~ 2.5</td><td>14 ~ 10</td></tr></table>		TP (mm)	TPI	A	0.5 ~ 1.5	48 ~ 16	AG	0.5 ~ 2.5	48 ~ 10	G	1.75 ~ 2.5	14 ~ 10	KTTX ^R / _L ...	06			
	TP (mm)	TPI																		
A	0.5 ~ 1.5	48 ~ 16																		
AG	0.5 ~ 2.5	48 ~ 10																		
G	1.75 ~ 2.5	14 ~ 10																		
 Regular Type	Partial Profile 55°	11E ^R / _L ...55 11I ^R / _L ...55 16E ^R / _L ...55 16I ^R / _L ...55 22E ^R / _L ...55 22I ^R / _L ...55	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>A</td><td>0.5 ~ 1.5</td><td>48 ~ 16</td></tr><tr><td>AG</td><td>0.5 ~ 3.0</td><td>48 ~ 8</td></tr><tr><td>G</td><td>1.75 ~ 3.0</td><td>14 ~ 8</td></tr><tr><td>N</td><td>3.5 ~ 5.0</td><td>7 ~ 5</td></tr></table>		TP (mm)	TPI	A	0.5 ~ 1.5	48 ~ 16	AG	0.5 ~ 3.0	48 ~ 8	G	1.75 ~ 3.0	14 ~ 8	N	3.5 ~ 5.0	7 ~ 5	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	07
		TP (mm)	TPI																	
A		0.5 ~ 1.5	48 ~ 16																	
AG	0.5 ~ 3.0	48 ~ 8																		
G	1.75 ~ 3.0	14 ~ 8																		
N	3.5 ~ 5.0	7 ~ 5																		
 U Type	22UEIRLU55	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>U</td><td>5.5 ~ 8.0</td><td>4.5 ~ 3.25</td></tr></table>		TP (mm)	TPI	U	5.5 ~ 8.0	4.5 ~ 3.25	—											
	TP (mm)	TPI																		
U	5.5 ~ 8.0	4.5 ~ 3.25																		
 Vertical Type		16VE ^R / _L ...55	<table><tr><td></td><td>TP (mm)</td><td>TPI</td></tr><tr><td>A</td><td>0.5 ~ 1.5</td><td>48 ~ 16</td></tr><tr><td>AG</td><td>0.5 ~ 2.5</td><td>48 ~ 10</td></tr><tr><td>G</td><td>1.75 ~ 2.5</td><td>14 ~ 10</td></tr></table>		TP (mm)	TPI	A	0.5 ~ 1.5	48 ~ 16	AG	0.5 ~ 2.5	48 ~ 10	G	1.75 ~ 2.5	14 ~ 10	KTTX ^R / _L ...	08			
	TP (mm)	TPI																		
A	0.5 ~ 1.5	48 ~ 16																		
AG	0.5 ~ 2.5	48 ~ 10																		
G	1.75 ~ 2.5	14 ~ 10																		

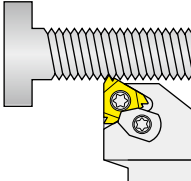
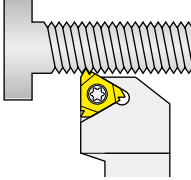
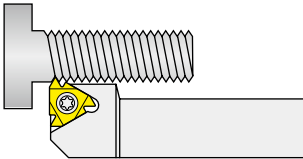
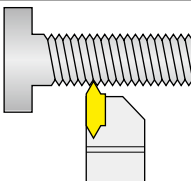
Thread Turning Insert 車牙刀片

Insert Sharp 刀片外觀	Thread Standard 牙型	Insert Code 刀片碼	Thread Pitch 螺距或牙數	Applicable Holder 適用刀桿	Page 頁碼
 Regular Type	ISO 60°	11 I ^R / _L ...ISO 16 E ^R / _L ...ISO 16 I ^R / _L ...ISO 22 E ^R / _L ...ISO 22 I ^R / _L ...ISO	TP (mm) 0.35 ~ 5.0	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	09
 U Type		22 UERL...ISO	TP (mm) 5.5 ~ 6.0	—	
 Multitooth Type		16 E ^R / _L ...ISO...M 16 I ^R / _L ...ISO...M 22 E ^R / _L ...ISO...M 22 I ^R / _L ...ISO...M	TP (mm) 0.75 ~ 2.5	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	11
 Vertical Type		16 VE ^R / _L ...ISO	TP (mm) 0.5 ~ 2.5	KTTX ^R / _L ...	12
 Regular Type	UN 60°	11 E ^R / _L ...UN 11 I ^R / _L ...UN 16 E ^R / _L ...UN 16 I ^R / _L ...UN 22 E ^R / _L ...UN 22 I ^R / _L ...UN	TPI 32 ~ 5	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	13
 Vertical Type		16 VE ^R / _L ...UN	TPI 32 ~ 10	KTTX ^R / _L ...	17
 Regular Type	ACME	16 E ^R / _L ...ACME 16 I ^R / _L ...ACME 22 E ^R / _L ...ACME 22 I ^R / _L ...ACME	TPI 16 ~ 4	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	18
 Regular Type	Stub ACME	16 E ^R / _L ...STACME 16 I ^R / _L ...STACME 22 E ^R / _L ...STACME 22 I ^R / _L ...STACME	TPI 16 ~ 5	SN ^R / _L ...CL SN ^R / _L ... SE ^R / _L ...CL SE ^R / _L ... SKE ^R / _L ...	19

Internal Thread Turning Holder 內徑車牙刀桿

Holder Sharp 刀桿外觀	Holder Code 刀桿碼	Applicable Insert 適用刀片	Min. Bore Dia. 最小加工孔徑	Page 頁碼
	SN ^R / _L ...CL	16IR / 16IL 22IR / 22IL (Regular and Multitooth Type Insert)	24mm~40mm	20
	SN ^R / _L ...	16IR / 16IL 22IR / 22IL (Regular and Multitooth Type Insert)	13mm~40mm	21

External Thread Turning Holder 外徑車牙刀桿

Holder Sharp 刀桿外觀	Holder Code 刀桿碼	Applicable Insert 適用刀片	Shank Height 刀桿柄高	Page 頁碼
	SE ^R / _L ...CL	16ER / 16EL (Regular and Multitooth Type Insert)	10mm~32mm	22
	SE ^R / _L ...	16ER / 16EL 22ER / 22EL (Regular and Multitooth Type Insert)	12mm~32mm	22
	SKE ^R / _L ...	16ER / 16EL (Regular and Multitooth Type Insert)	12mm~25mm	23
	KTTX ^R / _L ...	16VER / 16VEL (Vertical Type Insert)	10mm~25mm	24

Designations for Threading Insert

車牙刀片型號編碼

16

①

E

②

R

③

④

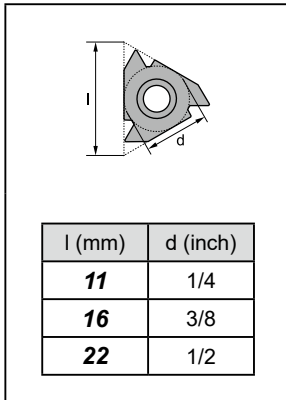
A

⑤

60

⑥

① Insert Size



② Application

E	Regular Type, External
I	Regular Type, Internal
UE	U Type, External
UI	U Type, Internal
UEI	U Type, External and internal
VE	Vertical Type, External
VI	Vertical Type, Internal

Regular Type
U Type
Vertical Type
Multitooth Type

③ Hand of Tool

R	Right Hand
L	Left Hand
RL	Right and left-hand

④ Type

M	Press to size with a chip breaker
B	Peripherally ground & chip breaker

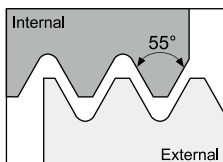
⑤ Thread Pitch or TPI

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
N	3.5 ~ 5.0	7 ~ 5
U	5.5 ~ 8.0	4.5 ~ 4

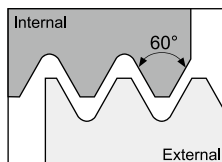
Full Profile		
Value by number		
TP (mm)	TPI	
0.75	34	
⋮	⋮	
6.00	5	

⑥ Thread Standard

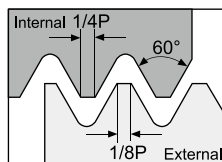
55	Partial Profile 55°
60	Partial Profile 60°
ISO	ISO Metric 60°
UN	American UN 60°
W	Whitworth 55°
BSPT	British Standard Pipe Thread
NPT	NPT
RD	Round DIN 405
TR	Trapeze DIN 103
ACME	ACME
STACME	Stub ACME
PG	Pg DIN 40430
UNJ	UNJ
MJ	MJ ISO 5855
⋮	⋮



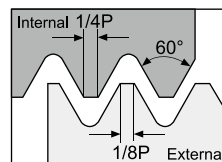
Partial Profile 55°



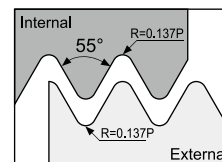
Partial Profile 60°



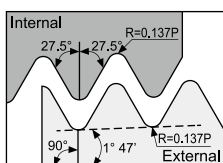
ISO Metric 60°



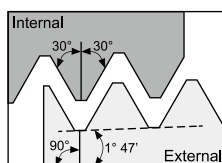
American UN 60°



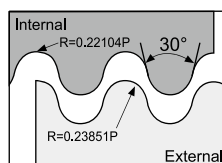
Whitworth 55°



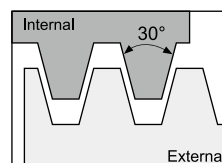
BSPT 55°



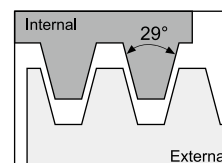
NPT 60°



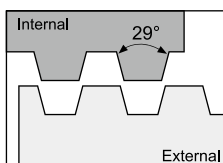
Round (DIN 405)



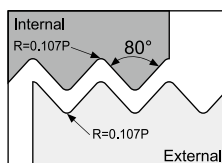
Trapeze (DIN 103)



ACME



Stub ACME

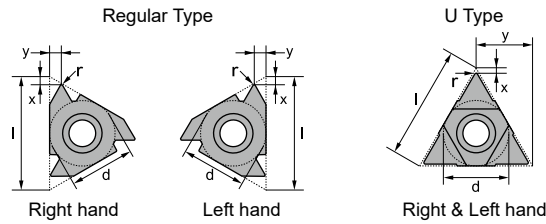
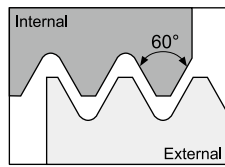


PG (DIM 40430)

Threading Inserts - Partial Profile 60°

車牙刀片 - 60° 泛牙型

External 外徑

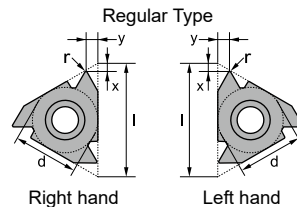
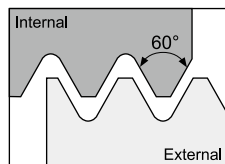


Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11ERA606025	11ER-A60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I11ELA606025	11EL-A60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I16ERA606025	16ER-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ELA606025	16EL-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ERAG606025	16ER-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	* I16ERMAG606025	16ERM-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ELAG606025	16EL-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	I16ERG606025	16ER-G60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I16ELG606025	16EL-G60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I22ERN606025	22ER-N60-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.32	1.7	2.5	●	●	●		○	○
	I22ELN606025	22EL-N60-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.32	1.7	2.5	●	●	●		○	○
 U Type	** I22UEIRLU606025	22UEIRLU-U60-CP6025	5.5 ~ 8.0	4.5 ~ 3.25	1/2"	22	0.28	0.6	11.0	●	●	●		○	○

* Press to size with a chip breaker.

** For external and internal application.

Internal 內徑



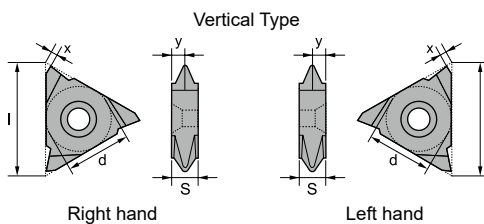
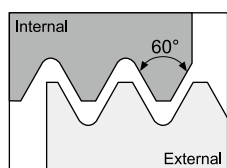
Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11IRA606025	11IR-A60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I11ILA606025	11IL-A60-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I16IRA606025	16IR-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ILA606025	16IL-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16IRAG606025	16IR-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	* I16IRMAG606025	16IRM-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ILAG606025	16IL-AG60-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	I16IRG606025	16IR-G60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ILG606025	16IL-G60-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I22IRN606025	22IR-N60-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.22	1.7	2.5	●	●	●		○	○
	I22ILN606025	22IL-N60-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.22	1.7	2.5	●	●	●		○	○

* Press to size with a chip breaker.

Threading Inserts - Partial Profile 60° Vertical

立式車牙刀片 - 60° 泛牙型

External 外徑

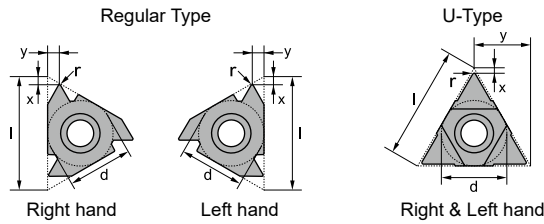
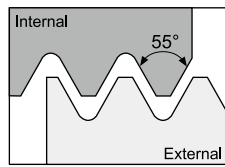


Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	x	y	S	P	M	K	N	S	H
 Vertical Type	I16VERA606025	16VER-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VELA606025	16VEL-A60-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VERAG606025	16VER-AG60-CP6025	0.5 ~ 2.5	48 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VELAG606025	16VEL-AG60-CP6025	0.5 ~ 2.5	48 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VERG606025	16VER-G60-CP6025	1.75 ~ 2.5	14 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VELG606025	16VEL-G60-CP6025	1.75 ~ 2.5	14 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○

Threading Inserts - Partial Profile 55°

車牙刀片 - 55° 泛牙型

External 外徑

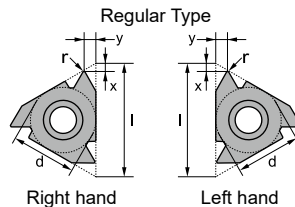
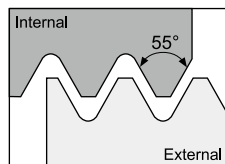


Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11ERA556025	11ER-A55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I11ELA556025	11EL-A55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I16ERA556025	16ER-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ELA556025	16EL-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ERAG556025	16ER-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	* I16ERMAG556025	16ERM-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ELAG556025	16EL-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	I16ERG556025	16ER-G55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I16ELG556025	16EL-G55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I22ERN556025	22ER-N55-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.42	1.7	2.5	●	●	●		○	○
	I22ELN556025	22EL-N55-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.42	1.7	2.5	●	●	●		○	○
 U Type	** I22UEIRLU556025	22UEIRLU-U55-CP6025	5.5 ~ 8.0	4.5 ~ 3.25	1/2"	22	0.60	0.9	11.0	●	●	●		○	○

* Press to size with a chip breaker.

** For external and internal application.

Internal 內徑



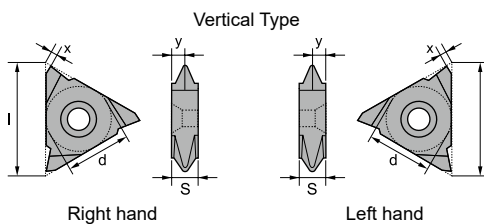
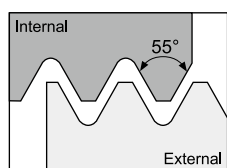
Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11IRA556025	11IR-A55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I11ILA556025	11IL-A55-CP6025	0.5 ~ 1.5	48 ~ 16	1/4"	11	0.05	0.8	0.9	●	●	●		○	○
	I16IRA556025	16IR-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16ILA556025	16IL-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	0.05	0.8	0.9	●	●	●		○	○
	I16IRAG556025	16IR-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	* I16IRMAG556025	16IRM-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ILAG556025	16IL-AG55-CP6025	0.5 ~ 3.0	48 ~ 8	3/8"	16	0.05	1.2	1.7	●	●	●		○	○
	I16IRG556025	16IR-G55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I16ILG556025	16IL-G55-CP6025	1.75 ~ 3.0	14 ~ 8	3/8"	16	0.12	1.2	1.7	●	●	●		○	○
	I22IRN556025	22IR-N55-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.42	1.7	2.5	●	●	●		○	○
	I22ILN556025	22IL-N55-CP6025	3.5 ~ 5.0	7 ~ 5	1/2"	22	0.42	1.7	2.5	●	●	●		○	○

* Press to size with a chip breaker.

Threading Inserts - Partial Profile 55° Vertical

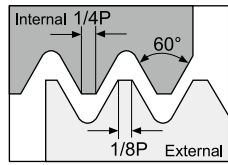
立式車牙刀片 - 55° 泛牙型

External 外徑



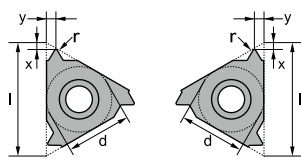
Insert	Order No.	Designation	Pitch		Dimensions (mm)					Working Material					
			TP (mm)	TPI	d	l	x	y	S	P	M	K	N	S	H
 Vertical Type	I16VERA556025	16VER-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VELA556025	16VEL-A55-CP6025	0.5 ~ 1.5	48 ~ 16	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VERAG556025	16VER-AG55-CP6025	0.5 ~ 2.5	48 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VELAG556025	16VEL-AG55-CP6025	0.5 ~ 2.5	48 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VERG556025	16VER-G55-CP6025	1.75 ~ 2.5	14 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VELG556025	16VEL-G55-CP6025	1.75 ~ 2.5	14 ~ 10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○

External 外徑



Tolerance Class : 6g/6H

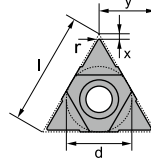
Regular Type



Right hand

Left hand

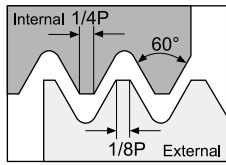
U-Type



Right & Left hand

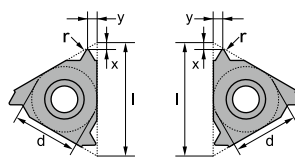
Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TP (mm)	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I16ER035IS06025	16ER-0.35ISO-CP6025	0.35	3/8"	16	0.04	0.8	0.4	●	●	●		○	○
	I16EL035IS06025	16EL-0.35ISO-CP6025	0.35	3/8"	16	0.04	0.8	0.4	●	●	●		○	○
	I16ER040IS06025	16ER-0.40ISO-CP6025	0.40	3/8"	16	0.04	0.7	0.4	●	●	●		○	○
	I16ER045IS06025	16ER-0.45ISO-CP6025	0.45	3/8"	16	0.05	0.7	0.4	●	●	●		○	○
	I16ER050IS06025	16ER-0.50ISO-CP6025	0.50	3/8"	16	0.05	0.6	0.6	●	●	●		○	○
	I16EL050IS06025	16EL-0.50ISO-CP6025	0.50	3/8"	16	0.05	0.6	0.6	●	●	●		○	○
	I16ER060IS06025	16ER-0.60ISO-CP6025	0.60	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
	I16ER070IS06025	16ER-0.70ISO-CP6025	0.70	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
	I16ER075IS06025	16ER-0.75ISO-CP6025	0.75	3/8"	16	0.08	0.6	0.6	●	●	●		○	○
	I16EL075IS06025	16EL-0.75ISO-CP6025	0.75	3/8"	16	0.08	0.6	0.6	●	●	●		○	○
	I16ER080IS06025	16ER-0.80ISO-CP6025	0.80	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
	I16EL080IS06025	16EL-0.80ISO-CP6025	0.80	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
	I16ER100IS06025	16ER-1.00ISO-CP6025	1.00	3/8"	16	0.12	0.7	0.7	●	●	●		○	○
	I16EL100IS06025	16EL-1.00ISO-CP6025	1.00	3/8"	16	0.12	0.7	0.7	●	●	●		○	○
	I16ER125IS06025	16ER-1.25ISO-CP6025	1.25	3/8"	16	0.15	0.8	0.9	●	●	●		○	○
	I16EL125IS06025	16EL-1.25ISO-CP6025	1.25	3/8"	16	0.15	0.8	0.9	●	●	●		○	○
	I16ER150IS06025	16ER-1.50ISO-CP6025	1.50	3/8"	16	0.18	0.8	1.0	●	●	●		○	○
	I16EL150IS06025	16EL-1.50ISO-CP6025	1.50	3/8"	16	0.18	0.8	1.0	●	●	●		○	○
	I16ER175IS06025	16ER-1.75ISO-CP6025	1.75	3/8"	16	0.21	0.9	1.2	●	●	●		○	○
	I16EL175IS06025	16EL-1.75ISO-CP6025	1.75	3/8"	16	0.21	0.9	1.2	●	●	●		○	○
	I16ER200IS06025	16ER-2.00ISO-CP6025	2.00	3/8"	16	0.25	1.0	1.3	●	●	●		○	○
	I16EL200IS06025	16EL-2.00ISO-CP6025	2.00	3/8"	16	0.25	1.0	1.3	●	●	●		○	○
	I16ER250IS06025	16ER-2.50ISO-CP6025	2.50	3/8"	16	0.31	1.1	1.5	●	●	●		○	○
	I16EL250IS06025	16EL-2.50ISO-CP6025	2.50	3/8"	16	0.31	1.1	1.5	●	●	●		○	○
	I16ER300IS06025	16ER-3.00ISO-CP6025	3.00	3/8"	16	0.38	1.2	1.6	●	●	●		○	○
	I16EL300IS06025	16EL-3.00ISO-CP6025	3.00	3/8"	16	0.38	1.2	1.6	●	●	●		○	○
	I22ER350IS06025	22ER-3.50ISO-CP6025	3.50	1/2"	22	0.44	1.6	2.3	●	●	●		○	○
	I22EL350IS06025	22EL-3.50ISO-CP6025	3.50	1/2"	22	0.44	1.6	2.3	●	●	●		○	○
	I22ER400IS06025	22ER-4.00ISO-CP6025	4.00	1/2"	22	0.52	1.6	2.3	●	●	●		○	○
	I22EL400IS06025	22EL-4.00ISO-CP6025	4.00	1/2"	22	0.52	1.6	2.3	●	●	●		○	○
	I22ER450IS06025	22ER-4.50ISO-CP6025	4.50	1/2"	22	0.58	1.7	2.4	●	●	●		○	○
	I22EL450IS06025	22EL-4.50ISO-CP6025	4.50	1/2"	22	0.58	1.7	2.4	●	●	●		○	○
	I22ER500IS06025	22ER-5.00ISO-CP6025	5.00	1/2"	22	0.64	1.7	2.5	●	●	●		○	○
	I22EL500IS06025	22EL-5.00ISO-CP6025	5.00	1/2"	22	0.64	1.7	2.5	●	●	●		○	○
 U Type	I22UERL550IS06025	22UERL-5.50ISO-CP6025	5.50	1/2"	22	0.70	2.3	11.0	●	●	●		○	○
	I22UERL600IS06025	22UERL-6.00ISO-CP6025	6.00	1/2"	22	0.78	2.6	11.0	●	●	●		○	○

Internal 內徑



Tolerance Class : 6g/6H

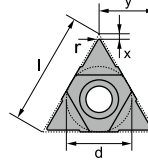
Regular Type



Right hand

Left hand

U-Type



Right & Left hand



Regular Type



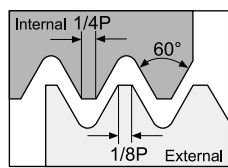
U Type

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TP (mm)	d	l	r	x	y	P	M	K	N	S	H
Regular Type	I11IR035IS06025	11IR-0.35ISO-CP6025	0.35	1/4"	11	0.02	0.8	0.3	●	●	●		○	○
	I11IL035IS06025	11IL-0.35ISO-CP6025	0.35	1/4"	11	0.02	0.8	0.3	●	●	●		○	○
	I11IR040IS06025	11IR-0.40ISO-CP6025	0.40	1/4"	11	0.02	0.8	0.4	●	●	●		○	○
	I11IR050IS06025	11IR-0.50ISO-CP6025	0.50	1/4"	11	0.03	0.6	0.6	●	●	●		○	○
	I11IL050IS06025	11IL-0.50ISO-CP6025	0.50	1/4"	11	0.03	0.6	0.6	●	●	●		○	○
	I11IR070IS06025	11IR-0.70ISO-CP6025	0.70	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IR075IS06025	11IR-0.75ISO-CP6025	0.75	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IL075IS06025	11IL-0.75ISO-CP6025	0.75	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IR080IS06025	11IR-0.80ISO-CP6025	0.80	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IR100IS06025	11IR-1.00ISO-CP6025	1.00	1/4"	11	0.05	0.6	0.7	●	●	●		○	○
	I11IL100IS06025	11IL-1.00ISO-CP6025	1.00	1/4"	11	0.05	0.6	0.7	●	●	●		○	○
	I11IR125IS06025	11IR-1.25ISO-CP6025	1.25	1/4"	11	0.07	0.8	0.8	●	●	●		○	○
	I11IL125IS06025	11IL-1.25ISO-CP6025	1.25	1/4"	11	0.07	0.8	0.8	●	●	●		○	○
	I11IR150IS06025	11IR-1.50ISO-CP6025	1.50	1/4"	11	0.08	0.8	1.0	●	●	●		○	○
	I11IL150IS06025	11IL-1.50ISO-CP6025	1.50	1/4"	11	0.08	0.8	1.0	●	●	●		○	○
	I16IR075IS06025	16IR-0.75ISO-CP6025	0.75	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IL075IS06025	16IL-0.75ISO-CP6025	0.75	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IR080IS06025	16IR-0.80ISO-CP6025	0.80	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IL080IS06025	16IL-0.80ISO-CP6025	0.80	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IR100IS06025	16IR-1.00ISO-CP6025	1.00	3/8"	16	0.05	0.6	0.7	●	●	●		○	○
	I16IL100IS06025	16IL-1.00ISO-CP6025	1.00	3/8"	16	0.05	0.6	0.7	●	●	●		○	○
	I16IR125IS06025	16IR-1.25ISO-CP6025	1.25	3/8"	16	0.07	0.8	0.9	●	●	●		○	○
	I16IL125IS06025	16IL-1.25ISO-CP6025	1.25	3/8"	16	0.07	0.8	0.9	●	●	●		○	○
	I16IR150IS06025	16IR-1.50ISO-CP6025	1.50	3/8"	16	0.10	0.8	1.0	●	●	●		○	○
	I16IL150IS06025	16IL-1.50ISO-CP6025	1.50	3/8"	16	0.10	0.8	1.0	●	●	●		○	○
	I16IR175IS06025	16IR-1.75ISO-CP6025	1.75	3/8"	16	0.12	0.9	1.2	●	●	●		○	○
	I16IL175IS06025	16IL-1.75ISO-CP6025	1.75	3/8"	16	0.12	0.9	1.2	●	●	●		○	○
	I16IR200IS06025	16IR-2.00ISO-CP6025	2.00	3/8"	16	0.13	1.0	1.3	●	●	●		○	○
	I16IL200IS06025	16IL-2.00ISO-CP6025	2.00	3/8"	16	0.13	1.0	1.3	●	●	●		○	○
	I16IR250IS06025	16IR-2.50ISO-CP6025	2.50	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
	I16IL250IS06025	16IL-2.50ISO-CP6025	2.50	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
	I16IR300IS06025	16IR-3.00ISO-CP6025	3.00	3/8"	16	0.18	1.1	1.5	●	●	●		○	○
	I16IL300IS06025	16IL-3.00ISO-CP6025	3.00	3/8"	16	0.18	1.1	1.5	●	●	●		○	○
U Type	I22IR350IS06025	22IR-3.50ISO-CP6025	3.50	1/2"	22	0.22	1.6	2.3	●	●	●		○	○
	I22IL350IS06025	22IL-3.50ISO-CP6025	3.50	1/2"	22	0.22	1.6	2.3	●	●	●		○	○
	I22IR400IS06025	22IR-4.00ISO-CP6025	4.00	1/2"	22	0.25	1.6	2.3	●	●	●		○	○
	I22IL400IS06025	22IL-4.00ISO-CP6025	4.00	1/2"	22	0.25	1.6	2.3	●	●	●		○	○
	I22IR450IS06025	22IR-4.50ISO-CP6025	4.50	1/2"	22	0.29	1.6	2.4	●	●	●		○	○
	I22IL450IS06025	22IL-4.50ISO-CP6025	4.50	1/2"	22	0.29	1.6	2.4	●	●	●		○	○
	I22IR500IS06025	22IR-5.00ISO-CP6025	5.00	1/2"	22	0.32	1.6	2.3	●	●	●		○	○
	I22IL500IS06025	22IL-5.00ISO-CP6025	5.00	1/2"	22	0.32	1.6	2.3	●	●	●		○	○
U Type	I22UIRL550IS06025	22UIRL-5.50ISO-CP6025	5.50	1/2"	22	0.35	2.4	11.0	●	●	●		○	○
	I22UIRL600IS06025	22UIRL-6.00ISO-CP6025	6.00	1/2"	22	0.39	2.1	11.0	●	●	●		○	○

Threading Inserts - ISO Metric 60° Multitooth

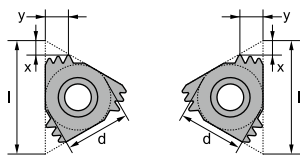
多齒車牙刀片 - ISO 公制 60° 螺紋

External 外徑



Tolerance Class : 6g/6H

Multitooth Type

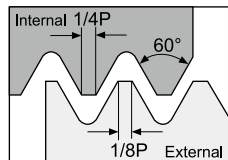


Right hand

Left hand

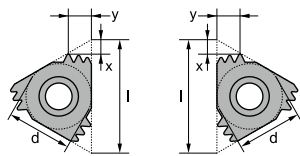
Insert	Order No.	Designation	Pitch	Number of Teeth	Dimensions (mm)				Working Material					
			TP (mm)		d	l	x	y	P	M	K	N	S	H
 Multitooth Type	I16ER075ISO3M6025	16ER0.75ISO3M-CP6025	0.75	3	3/8"	16	1.3	1.9	●	●	●		○	○
	I16EL075ISO3M6025	16EL0.75ISO3M-CP6025	0.75	3	3/8"	16	1.3	1.9	●	●	●		○	○
	I16ER100ISO3M6025	16ER1.00ISO3M-CP6025	1.00	3	3/8"	16	1.7	2.5	●	●	●		○	○
	I16EL100ISO3M6025	16EL1.00ISO3M-CP6025	1.00	3	3/8"	16	1.7	2.5	●	●	●		○	○
	I16ER150ISO2M6025	16ER1.50ISO2M-CP6025	1.50	2	3/8"	16	1.5	2.3	●	●	●		○	○
	I16EL150ISO2M6025	16EL1.50ISO2M-CP6025	1.50	2	3/8"	16	1.5	2.3	●	●	●		○	○
	I16ER200ISO2M6025	16ER2.00ISO2M-CP6025	2.00	2	3/8"	16	2.0	3.0	●	●	●		○	○
	I16EL200ISO2M6025	16EL2.00ISO2M-CP6025	2.00	2	3/8"	16	2.0	3.0	●	●	●		○	○
	I22ER150ISO3M6025	22ER1.50ISO3M-CP6025	1.50	3	1/2"	22	2.3	3.7	●	●	●		○	○
	I22EL150ISO3M6025	22EL1.50ISO3M-CP6025	1.50	3	1/2"	22	2.3	3.7	●	●	●		○	○
	I22ER200ISO2M6025	22ER2.00ISO2M-CP6025	2.00	2	1/2"	22	2.0	3.0	●	●	●		○	○
	I22EL200ISO2M6025	22EL2.00ISO2M-CP6025	2.00	2	1/2"	22	2.0	3.0	●	●	●		○	○
	I22ER200ISO3M6025	22ER2.00ISO3M-CP6025	2.00	3	1/2"	22	3.1	5.0	●	●	●		○	○
	I22EL200ISO3M6025	22EL2.00ISO3M-CP6025	2.00	3	1/2"	22	3.1	5.0	●	●	●		○	○

Internal 內徑



Tolerance Class : 6g/6H

Multitooth Type



Right hand

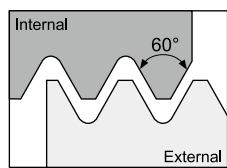
Left hand

Insert	Order No.	Designation	Pitch	Number of Teeth	Dimensions (mm)				Working Material					
			TP (mm)		d	l	x	y	P	M	K	N	S	H
 Multitooth Type	I16IR100ISO3M6025	16IR1.00ISO3M-CP6025	1.00	3	3/8"	16	1.7	2.5	●	●	●		○	○
	I16IL100ISO3M6025	16IL1.00ISO3M-CP6025	1.00	3	3/8"	16	1.7	2.5	●	●	●		○	○
	I16IR150ISO2M6025	16IR1.50ISO2M-CP6025	1.50	2	3/8"	16	1.5	2.3	●	●	●		○	○
	I16IL150ISO2M6025	16IL1.50ISO2M-CP6025	1.50	2	3/8"	16	1.5	2.3	●	●	●		○	○
	I16IR200ISO2M6025	16IR2.00ISO2M-CP6025	2.00	2	3/8"	16	2.0	3.0	●	●	●		○	○
	I16IL200ISO2M6025	16IL2.00ISO2M-CP6025	2.00	2	3/8"	16	2.0	3.0	●	●	●		○	○
	I22IR150ISO3M6025	22IR1.50ISO3M-CP6025	1.50	3	1/2"	22	2.3	3.7	●	●	●		○	○
	I22IL150ISO3M6025	22IL1.50ISO3M-CP6025	1.50	3	1/2"	22	2.3	3.7	●	●	●		○	○
	I22IR200ISO2M6025	22IR2.00ISO2M-CP6025	2.00	2	1/2"	22	2.0	3.0	●	●	●		○	○
	I22IL200ISO2M6025	22IL2.00ISO2M-CP6025	2.00	2	1/2"	22	2.0	3.0	●	●	●		○	○
	I22IR200ISO3M6025	22IR2.00ISO3M-CP6025	2.00	3	1/2"	22	3.1	5.0	●	●	●		○	○
	I22IL200ISO3M6025	22IL2.00ISO3M-CP6025	2.00	3	1/2"	22	3.1	5.0	●	●	●		○	○

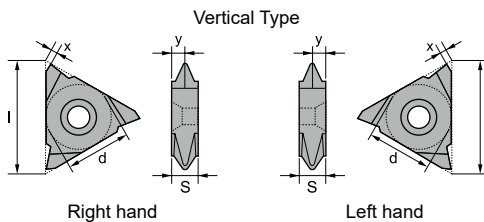
Threading Inserts - ISO Metric 60° Vertical

立式車牙刀片 - ISO 公制 60° 螺紋

External 外徑



Tolerance Class : 6g/6H



Right hand

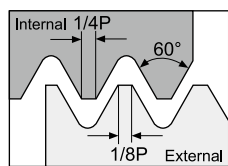
Left hand

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TP (mm)	d	l	x	y	S	P	M	K	N	S	H
 Vertical Type	I16VER050ISO6025	16VER-0.50ISO-CP6025	0.50	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VEL050ISO6025	16VEL-0.50ISO-CP6025	0.50	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VER075ISO6025	16VER-0.75ISO-CP6025	0.75	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VEL075ISO6025	16VEL-0.75ISO-CP6025	0.75	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VER080ISO6025	16VER-0.80ISO-CP6025	0.80	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VEL080ISO6025	16VEL-0.80ISO-CP6025	0.80	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VER100ISO6025	16VER-1.00ISO-CP6025	1.00	3/8"	16	1.0	0.7	3.18	●	●	●		○	○
	I16VEL100ISO6025	16VEL-1.00ISO-CP6025	1.00	3/8"	16	1.0	0.7	3.18	●	●	●		○	○
	I16VER125ISO6025	16VER-1.25ISO-CP6025	1.25	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VEL125ISO6025	16VEL-1.25ISO-CP6025	1.25	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VER150ISO6025	16VER-1.50ISO-CP6025	1.50	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VEL150ISO6025	16VEL-1.50ISO-CP6025	1.50	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VER175ISO6025	16VER-1.75ISO-CP6025	1.75	3/8"	16	1.0	1.2	3.18	●	●	●		○	○
	I16VEL175ISO6025	16VEL-1.75ISO-CP6025	1.75	3/8"	16	1.0	1.2	3.18	●	●	●		○	○
	I16VER200ISO6025	16VER-2.00ISO-CP6025	2.00	3/8"	16	1.0	1.3	3.18	●	●	●		○	○
	I16VEL200ISO6025	16VEL-2.00ISO-CP6025	2.00	3/8"	16	1.0	1.3	3.18	●	●	●		○	○
	I16VER250ISO6025	16VER-2.50ISO-CP6025	2.50	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VEL250ISO6025	16VEL-2.50ISO-CP6025	2.50	3/8"	16	1.0	1.5	3.18	●	●	●		○	○

Threading Inserts - American UN 60°

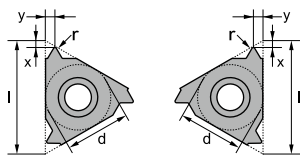
車牙刀片 - 美制 UN 60° 螺紋

External 外徑



Tolerance Class : 2A/2B

Regular Type



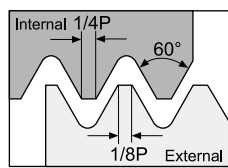
Right hand

Left hand

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11ER32UN6025	11ER-32UN-CP6025	32	1/4"	11	0.09	0.6	0.6	●	●	●		○	○
	I11ER28UN6025	11ER-28UN-CP6025	28	1/4"	11	0.10	0.6	0.7	●	●	●		○	○
	I11EL28UN6025	11EL-28UN-CP6025	28	1/4"	11	0.10	0.6	0.7	●	●	●		○	○
	I11ER18UN6025	11ER-18UN-CP6025	18	1/4"	11	0.17	0.8	1.0	●	●	●		○	○
	I11ER16UN6025	11ER-16UN-CP6025	16	1/4"	11	0.18	0.9	1.1	●	●	●		○	○
	I16ER40UN6025	16ER-40UN-CP6025	40	3/8"	16	0.06	0.6	0.6	●	●	●		○	○
	I16EL40UN6025	16EL-40UN-CP6025	40	3/8"	16	0.06	0.6	0.6	●	●	●		○	○
	I16ER36UN6025	16ER-36UN-CP6025	36	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
	I16EL36UN6025	16EL-36UN-CP6025	36	3/8"	16	0.07	0.6	0.6	●	●	●		○	○
	I16ER32UN6025	16ER-32UN-CP6025	32	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
	I16EL32UN6025	16EL-32UN-CP6025	32	3/8"	16	0.09	0.6	0.6	●	●	●		○	○
	I16ER28UN6025	16ER-28UN-CP6025	28	3/8"	16	0.10	0.6	0.7	●	●	●		○	○
	I16EL28UN6025	16EL-28UN-CP6025	28	3/8"	16	0.10	0.6	0.7	●	●	●		○	○
	I16ER26UN6025	16ER-26UN-CP6025	26	3/8"	16	0.11	0.7	0.8	●	●	●		○	○
	I16EL26UN6025	16EL-26UN-CP6025	26	3/8"	16	0.11	0.7	0.8	●	●	●		○	○
	I16ER24UN6025	16ER-24UN-CP6025	24	3/8"	16	0.12	0.7	0.8	●	●	●		○	○
	I16EL24UN6025	16EL-24UN-CP6025	24	3/8"	16	0.12	0.7	0.8	●	●	●		○	○
	I16ER20UN6025	16ER-20UN-CP6025	20	3/8"	16	0.15	0.8	0.9	●	●	●		○	○
	I16EL20UN6025	16EL-20UN-CP6025	20	3/8"	16	0.15	0.8	0.9	●	●	●		○	○

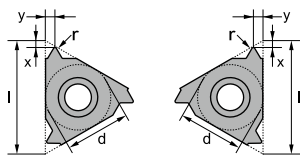
(continued)

External 外徑



Tolerance Class : 2A/2B

Regular Type



Right hand

Left hand



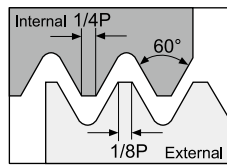
Regular Type

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TPI	d	l	r	x	y	P	M	K	N	S	H
	I16ER18UN6025	16ER-18UN-CP6025	18	3/8"	16	0.17	0.8	1.0	●	●	●		○	○
	I16EL18UN6025	16EL-18UN-CP6025	18	3/8"	16	0.17	0.8	1.0	●	●	●		○	○
	I16ER16UN6025	16ER-16UN-CP6025	16	3/8"	16	0.18	0.9	1.1	●	●	●		○	○
	I16EL16UN6025	16EL-16UN-CP6025	16	3/8"	16	0.18	0.9	1.1	●	●	●		○	○
	I16ER14UN6025	16ER-14UN-CP6025	14	3/8"	16	0.22	1.0	1.2	●	●	●		○	○
	I16EL14UN6025	16EL-14UN-CP6025	14	3/8"	16	0.22	1.0	1.2	●	●	●		○	○
	I16ER13UN6025	16ER-13UN-CP6025	13	3/8"	16	0.24	1.0	1.3	●	●	●		○	○
	I16EL13UN6025	16EL-13UN-CP6025	13	3/8"	16	0.24	1.0	1.3	●	●	●		○	○
	I16ER12UN6025	16ER-12UN-CP6025	12	3/8"	16	0.26	1.1	1.4	●	●	●		○	○
	I16EL12UN6025	16EL-12UN-CP6025	12	3/8"	16	0.26	1.1	1.4	●	●	●		○	○
	I16ER11.5UN6025	16ER-11.5UN-CP6025	11.5	3/8"	16	0.27	1.1	1.5	●	●	●		○	○
	I16EL11.5UN6025	16EL-11.5UN-CP6025	11.5	3/8"	16	0.27	1.1	1.5	●	●	●		○	○
	I16ER11UN6025	16ER-11UN-CP6025	11	3/8"	16	0.28	1.1	1.5	●	●	●		○	○
	I16EL11UN6025	16EL-11UN-CP6025	11	3/8"	16	0.28	1.1	1.5	●	●	●		○	○
	I16ER10UN6025	16ER-10UN-CP6025	10	3/8"	16	0.32	1.1	1.5	●	●	●		○	○
	I16EL10UN6025	16EL-10UN-CP6025	10	3/8"	16	0.32	1.1	1.5	●	●	●		○	○
	I16ER9UN6025	16ER-9UN-CP6025	9	3/8"	16	0.36	1.2	1.7	●	●	●		○	○
	I16EL9UN6025	16EL-9UN-CP6025	9	3/8"	16	0.36	1.2	1.7	●	●	●		○	○
	I16ER8UN6025	16ER-8UN-CP6025	8	3/8"	16	0.41	1.2	1.6	●	●	●		○	○
	I16EL8UN6025	16EL-8UN-CP6025	8	3/8"	16	0.41	1.2	1.6	●	●	●		○	○
	I22ER7UN6025	22ER-7UN-CP6025	7	1/2"	22	0.47	1.6	2.3	●	●	●		○	○
	I22ER6UN6025	22ER-6UN-CP6025	6	1/2"	22	0.67	1.6	2.3	●	●	●		○	○
	I22EL6UN6025	22EL-6UN-CP6025	6	1/2"	22	0.67	1.6	2.3	●	●	●		○	○
	I22ER5UN6025	22ER-5UN-CP6025	5	1/2"	22	0.67	1.7	2.5	●	●	●		○	○

Threading Inserts - American UN 60°

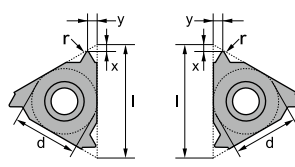
車牙刀片 - 美制 UN 60° 螺紋

Internal 內徑



Tolerance Class : 2A/2B

Regular Type



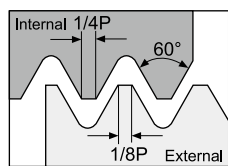
Right hand

Left hand

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I11IR32UN6025	11IR-32UN-CP6025	32	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IL32UN6025	11IL-32UN-CP6025	32	1/4"	11	0.04	0.6	0.6	●	●	●		○	○
	I11IR28UN6025	11IR-28UN-CP6025	28	1/4"	11	0.04	0.6	0.7	●	●	●		○	○
	I11IL28UN6025	11IL-28UN-CP6025	28	1/4"	11	0.04	0.6	0.7	●	●	●		○	○
	I11IR24UN6025	11IR-24UN-CP6025	24	1/4"	11	0.05	0.7	0.8	●	●	●		○	○
	I11IL24UN6025	11IL-24UN-CP6025	24	1/4"	11	0.05	0.7	0.8	●	●	●		○	○
	I11IR20UN6025	11IR-20UN-CP6025	20	1/4"	11	0.06	0.8	0.9	●	●	●		○	○
	I11IL20UN6025	11IL-20UN-CP6025	20	1/4"	11	0.06	0.8	0.9	●	●	●		○	○
	I11IR18UN6025	11IR-18UN-CP6025	18	1/4"	11	0.07	0.8	1.0	●	●	●		○	○
	I11IL18UN6025	11IL-18UN-CP6025	18	1/4"	11	0.07	0.8	1.0	●	●	●		○	○
	I11IR16UN6025	11IR-16UN-CP6025	16	1/4"	11	0.09	0.9	1.1	●	●	●		○	○
	I11IL16UN6025	11IL-16UN-CP6025	16	1/4"	11	0.09	0.9	1.1	●	●	●		○	○
	I16IR40UN6025	16IR-40UN-CP6025	40	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
	I16IL40UN6025	16IL-40UN-CP6025	40	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
	I16IR36UN6025	16IR-36UN-CP6025	36	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
	I16IL36UN6025	16IL-36UN-CP6025	36	3/8"	16	0.03	0.6	0.6	●	●	●		○	○
	I16IR32UN6025	16IR-32UN-CP6025	32	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IL32UN6025	16IL-32UN-CP6025	32	3/8"	16	0.04	0.6	0.6	●	●	●		○	○
	I16IR28UN6025	16IR-28UN-CP6025	28	3/8"	16	0.04	0.6	0.7	●	●	●		○	○
	I16IL28UN6025	16IL-28UN-CP6025	28	3/8"	16	0.04	0.6	0.7	●	●	●		○	○
	I16IR26UN6025	16IR-26UN-CP6025	26	3/8"	16	0.04	0.7	0.8	●	●	●		○	○
	I16IL26UN6025	16IL-26UN-CP6025	26	3/8"	16	0.04	0.7	0.8	●	●	●		○	○
	I16IR24UN6025	16IR-24UN-CP6025	24	3/8"	16	0.05	0.7	0.8	●	●	●		○	○
	I16IL24UN6025	16IL-24UN-CP6025	24	3/8"	16	0.05	0.7	0.8	●	●	●		○	○
	I16IR20UN6025	16IR-20UN-CP6025	20	3/8"	16	0.06	0.8	0.9	●	●	●		○	○
	I16IL20UN6025	16IL-20UN-CP6025	20	3/8"	16	0.06	0.8	0.9	●	●	●		○	○

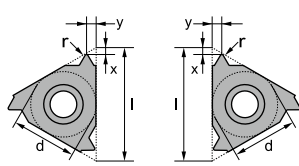
(continued)

Internal 內徑



Tolerance Class : 2A/2B

Regular Type



Right hand

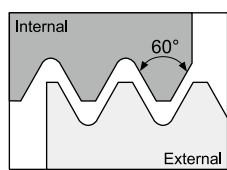
Left hand

Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TPI	d	l	r	x	y	P	M	K	N	S	H
 Regular Type	I16IR18UN6025	16IR-18UN-CP6025	18	3/8"	16	0.07	0.8	1.0	●	●	●		○	○
	I16IL18UN6025	16IL-18UN-CP6025	18	3/8"	16	0.07	0.8	1.0	●	●	●		○	○
	I16IR16UN6025	16IR-16UN-CP6025	16	3/8"	16	0.09	0.9	1.1	●	●	●		○	○
	I16IL16UN6025	16IL-16UN-CP6025	16	3/8"	16	0.09	0.9	1.1	●	●	●		○	○
	I16IR14UN6025	16IR-14UN-CP6025	14	3/8"	16	0.10	0.9	1.2	●	●	●		○	○
	I16IL14UN6025	16IL-14UN-CP6025	14	3/8"	16	0.10	0.9	1.2	●	●	●		○	○
	I16IR13UN6025	16IR-13UN-CP6025	13	3/8"	16	0.11	1.0	1.3	●	●	●		○	○
	I16IL13UN6025	16IL-13UN-CP6025	13	3/8"	16	0.11	1.0	1.3	●	●	●		○	○
	I16IR12UN6025	16IR-12UN-CP6025	12	3/8"	16	0.12	1.1	1.4	●	●	●		○	○
	I16IL12UN6025	16IL-12UN-CP6025	12	3/8"	16	0.12	1.1	1.4	●	●	●		○	○
	I16IR11.5UN6025	16IR-11.5UN-CP6025	11.5	3/8"	16	0.13	1.1	1.5	●	●	●		○	○
	I16IL11.5UN6025	16IL-11.5UN-CP6025	11.5	3/8"	16	0.13	1.1	1.5	●	●	●		○	○
	I16IR11UN6025	16IR-11UN-CP6025	11	3/8"	16	0.14	1.1	1.5	●	●	●		○	○
	I16IL11UN6025	16IL-11UN-CP6025	11	3/8"	16	0.14	1.1	1.5	●	●	●		○	○
	I16IR10UN6025	16IR-10UN-CP6025	10	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
	I16IL10UN6025	16IL-10UN-CP6025	10	3/8"	16	0.15	1.1	1.5	●	●	●		○	○
	I16IR9UN6025	16IR-9UN-CP6025	9	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I16IL9UN6025	16IL-9UN-CP6025	9	3/8"	16	0.17	1.2	1.7	●	●	●		○	○
	I16IR8UN6025	16IR-8UN-CP6025	8	3/8"	16	0.19	1.1	1.5	●	●	●		○	○
	I16IL8UN6025	16IL-8UN-CP6025	8	3/8"	16	0.19	1.1	1.5	●	●	●		○	○
	I22IR7UN6025	22IR-7UN-CP6025	7	1/2"	22	0.22	1.6	2.3	●	●	●		○	○
	I22IR6UN6025	22IR-6UN-CP6025	6	1/2"	22	0.26	1.6	2.3	●	●	●		○	○
	I22IL6UN6025	22IL-6UN-CP6025	6	1/2"	22	0.26	1.6	2.3	●	●	●		○	○
	I22IR5UN6025	22IR-5UN-CP6025	5	1/2"	22	0.32	1.6	2.3	●	●	●		○	○

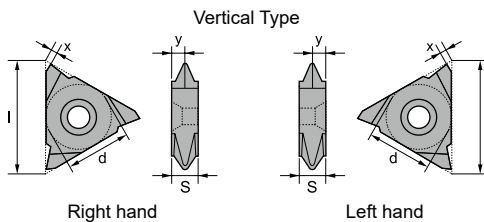
Threading Inserts - American UN 60° Vertical

立式車牙刀片 - 美制 UN 60° 螺紋

External 外徑



Tolerance Class : 6g/6H

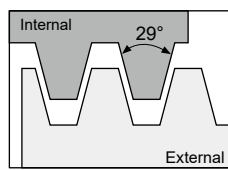


Right hand

Left hand

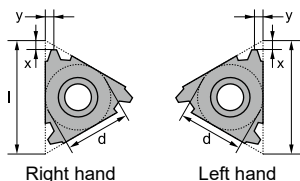
Insert	Order No.	Designation	Pitch	Dimensions (mm)					Working Material					
			TPI	d	l	x	y	S	P	M	K	N	S	H
 Vertical Type	I16VER32UN6025	16VER-32UN-CP6025	32	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VEL32UN6025	16VEL-32UN-CP6025	32	3/8"	16	1.0	0.6	3.18	●	●	●		○	○
	I16VER28UN6025	16VER-28UN-CP6025	28	3/8"	16	1.0	0.7	3.18	●	●	●		○	○
	I16VEL28UN6025	16VEL-28UN-CP6025	28	3/8"	16	1.0	0.7	3.18	●	●	●		○	○
	I16VER24UN6025	16VER-24UN-CP6025	24	3/8"	16	1.0	0.8	3.18	●	●	●		○	○
	I16VEL24UN6025	16VEL-24UN-CP6025	24	3/8"	16	1.0	0.8	3.18	●	●	●		○	○
	I16VER20UN6025	16VER-20UN-CP6025	20	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VEL20UN6025	16VEL-20UN-CP6025	20	3/8"	16	1.0	0.9	3.18	●	●	●		○	○
	I16VER18UN6025	16VER-18UN-CP6025	18	3/8"	16	1.0	1.0	3.18	●	●	●		○	○
	I16VEL18UN6025	16VEL-18UN-CP6025	18	3/8"	16	1.0	1.0	3.18	●	●	●		○	○
	I16VER16UN6025	16VER-16UN-CP6025	16	3/8"	16	1.0	1.1	3.18	●	●	●		○	○
	I16VEL16UN6025	16VEL-16UN-CP6025	16	3/8"	16	1.0	1.1	3.18	●	●	●		○	○
	I16VER14UN6025	16VER-14UN-CP6025	14	3/8"	16	1.0	1.2	3.18	●	●	●		○	○
	I16VEL14UN6025	16VEL-14UN-CP6025	14	3/8"	16	1.0	1.2	3.18	●	●	●		○	○
	I16VER12UN6025	16VER-12UN-CP6025	12	3/8"	16	1.0	1.4	3.18	●	●	●		○	○
	I16VEL12UN6025	16VEL-12UN-CP6025	12	3/8"	16	1.0	1.4	3.18	●	●	●		○	○
	I16VER10UN6025	16VER-10UN-CP6025	10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○
	I16VEL10UN6025	16VEL-10UN-CP6025	10	3/8"	16	1.0	1.5	3.18	●	●	●		○	○

External 外徑



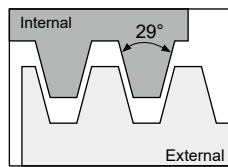
Tolerance Class : 3G

Regular Type



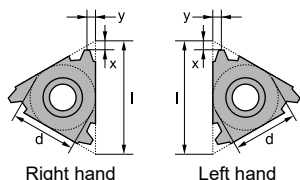
Insert	Order No.	Designation	Pitch	Dimensions (mm)				Working Material					
			TPI	d	l	x	y	P	M	K	N	S	H
 Regular Type	I16ER16ACME6025	16ER16ACME-CP6025	16	3/8"	16	0.9	1.0	●	●	●		○	○
	I16EL16ACME6025	16EL16ACME-CP6025	16	3/8"	16	0.9	1.0	●	●	●		○	○
	I16ER14ACME6025	16ER14ACME-CP6025	14	3/8"	16	1.0	1.2	●	●	●		○	○
	I16EL14ACME6025	16EL14ACME-CP6025	14	3/8"	16	1.0	1.2	●	●	●		○	○
	I16ER12ACME6025	16ER12ACME-CP6025	12	3/8"	16	1.1	1.2	●	●	●		○	○
	I16EL12ACME6025	16EL12ACME-CP6025	12	3/8"	16	1.1	1.2	●	●	●		○	○
	I16ER10ACME6025	16ER10ACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16EL10ACME6025	16EL10ACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16ER8ACME6025	16ER8ACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16EL8ACME6025	16EL8ACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I22ER6ACME6025	22ER6ACME-CP6025	6	1/2"	22	1.8	2.1	●	●	●		○	○
	I22EL6ACME6025	22EL6ACME-CP6025	6	1/2"	22	1.8	2.1	●	●	●		○	○
	I22ER5ACME6025	22ER5ACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22EL5ACME6025	22EL5ACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22ER4ACME6025	22ER4ACME-CP6025	4	1/2"	22	2.1	2.2	●	●	●		○	○
	I22EL4ACME6025	22EL4ACME-CP6025	4	1/2"	22	2.1	2.2	●	●	●		○	○

Internal 內徑



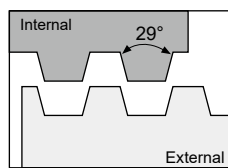
Tolerance Class : 3G

Regular Type



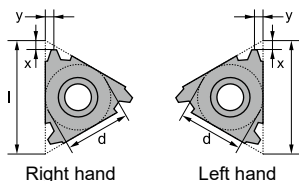
Insert	Order No.	Designation	Pitch	Dimensions (mm)				Working Material					
			TPI	d	l	x	y	P	M	K	N	S	H
 Regular Type	I16IR16ACME6025	16IR16ACME-CP6025	16	3/8"	16	0.9	1.0	●	●	●		○	○
	I16IL16ACME6025	16IL16ACME-CP6025	16	3/8"	16	0.9	1.0	●	●	●		○	○
	I16IR14ACME6025	16IR14ACME-CP6025	14	3/8"	16	1.0	1.2	●	●	●		○	○
	I16IL14ACME6025	16IL14ACME-CP6025	14	3/8"	16	1.0	1.2	●	●	●		○	○
	I16IR12ACME6025	16IR12ACME-CP6025	12	3/8"	16	1.1	1.2	●	●	●		○	○
	I16IL12ACME6025	16IL12ACME-CP6025	12	3/8"	16	1.1	1.2	●	●	●		○	○
	I16IR10ACME6025	16IR10ACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16IL10ACME6025	16IL10ACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16IR8ACME6025	16IR8ACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16IL8ACME6025	16IL8ACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I22IR6ACME6025	22IR6ACME-CP6025	6	1/2"	22	1.8	2.1	●	●	●		○	○
	I22IL6ACME6025	22IL6ACME-CP6025	6	1/2"	22	1.8	2.1	●	●	●		○	○
	I22IR5ACME6025	22IR5ACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22IL5ACME6025	22IL5ACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22IR4ACME6025	22IR4ACME-CP6025	4	1/2"	22	2.1	2.2	●	●	●		○	○
	I22IL4ACME6025	22IL4ACME-CP6025	4	1/2"	22	2.1	2.2	●	●	●		○	○

External 外徑



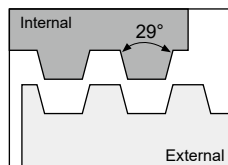
Tolerance Class : 2G

Regular Type



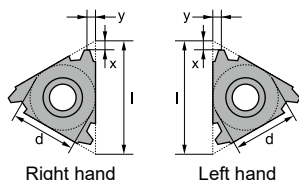
Insert	Order No.	Designation	Pitch	Dimensions (mm)				Working Material					
			TPI	d	l	x	y	P	M	K	N	S	H
 Regular Type	I16ER16STACME6025	16ER16STACME-CP6025	16	3/8"	16	1.0	1.0	●	●	●		○	○
	I16EL16STACME6025	16EL16STACME-CP6025	16	3/8"	16	1.0	1.0	●	●	●		○	○
	I16ER14STACME6025	16ER14STACME-CP6025	14	3/8"	16	1.1	1.1	●	●	●		○	○
	I16EL14STACME6025	16EL14STACME-CP6025	14	3/8"	16	1.1	1.1	●	●	●		○	○
	I16ER12STACME6025	16ER12STACME-CP6025	12	3/8"	16	1.2	1.2	●	●	●		○	○
	I16EL12STACME6025	16EL12STACME-CP6025	12	3/8"	16	1.2	1.2	●	●	●		○	○
	I16ER10STACME6025	16ER10STACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16EL10STACME6025	16EL10STACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16ER8STACME6025	16ER8STACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16EL8STACME6025	16EL8STACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16ER6STACME6025	16ER6STACME-CP6025	6	3/8"	16	1.8	1.8	●	●	●		○	○
	I16EL6STACME6025	16EL6STACME-CP6025	6	3/8"	16	1.8	1.8	●	●	●		○	○
	I22ER5STACME6025	22ER5STACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22EL5STACME6025	22EL5STACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○

Internal 內徑



Tolerance Class : 2G

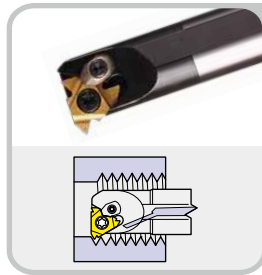
Regular Type



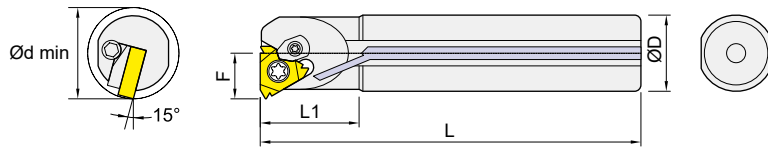
Insert	Order No.	Designation	Pitch	Dimensions (mm)				Working Material					
			TPI	d	l	x	y	P	M	K	N	S	H
 Regular Type	I16IR16STACME6025	16IR16STACME-CP6025	16	3/8"	16	1.0	1.0	●	●	●		○	○
	I16IL16STACME6025	16IL16STACME-CP6025	16	3/8"	16	1.0	1.0	●	●	●		○	○
	I16IR14STACME6025	16IR14STACME-CP6025	14	3/8"	16	1.1	1.1	●	●	●		○	○
	I16IL14STACME6025	16IL14STACME-CP6025	14	3/8"	16	1.1	1.1	●	●	●		○	○
	I16IR12STACME6025	16IR12STACME-CP6025	12	3/8"	16	1.2	1.2	●	●	●		○	○
	I16IL12STACME6025	16IL12STACME-CP6025	12	3/8"	16	1.2	1.2	●	●	●		○	○
	I16IR10STACME6025	16IR10STACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16IL10STACME6025	16IL10STACME-CP6025	10	3/8"	16	1.3	1.3	●	●	●		○	○
	I16IR8STACME6025	16IR8STACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16IL8STACME6025	16IL8STACME-CP6025	8	3/8"	16	1.5	1.5	●	●	●		○	○
	I16IR6STACME6025	16IR6STACME-CP6025	6	3/8"	16	1.8	1.8	●	●	●		○	○
	I16IL6STACME6025	16IL6STACME-CP6025	6	3/8"	16	1.8	1.8	●	●	●		○	○
	I22IR5STACME6025	22IR5STACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○
	I22IL5STACME6025	22IL5STACME-CP6025	5	1/2"	22	2.0	2.3	●	●	●		○	○

Internal Threading Tool Holders

內徑車牙刀桿



SN..CL



Right-hand shown

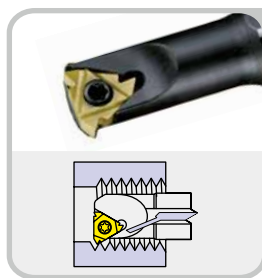
Order No.	Dimensions (mm)					Coolant	Insert	Spare parts
	D	L	L1	F	d min			
ISN ^R /L0020R16CL	20	200	40	12	24		16IR 16IL	①
ISN ^R /L0025R16CL	25	200	45	14.5	29			
ISN ^R /L0032S16CL	32	250	45	18.5	36			
ISN ^R /LA0020R16CL	20	200	40	12	24	●		
ISN ^R /LA0025R16CL	25	200	45	14.5	29	●		
ISN ^R /LA0032S16CL	32	250	45	18.5	36	●		
ISN ^R /L0020R22CL	20	200	40	14	28		22IR 22IL	②
ISN ^R /L0025R22CL	25	200	45	16.5	32			③
ISN ^R /L0032S22CL	32	250	45	20	40			②
ISN ^R /LA0020R22CL	20	200	40	14	28	●		②
ISN ^R /LA0025R22CL	25	200	45	16.5	32	●		③
ISN ^R /LA0032S22CL	32	250	45	20	40	●		③

Spare parts	Screw 	Wrench 	Shim 	Screw 	Wrench 	Clamp 	Wrench
①	IMS3512A	—	IGXN16 or IGXE16	IHTM309	IPL25	IMC353V	ITK15
②	IMS4511A	ITK20	—	—	—	IMC353V	ITK15
③	IMS4516A	ITK20	IGXN22 or IGXE22	IHTM412	IPL30	IMC353V	ITK15

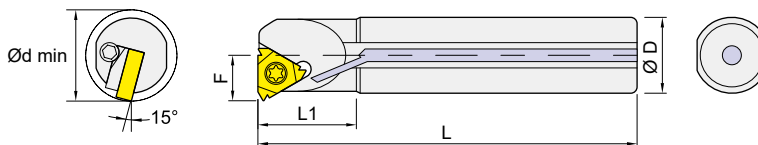
※ SNR right hand tools shim is IGXN..., SNL left hand tools shim is IGXE...

Internal Threading Tool Holders

內徑車牙刀桿



SN



Right-hand shown

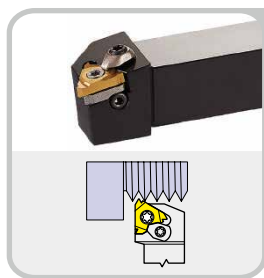
Order No.	Dimensions (mm)					Coolant	Insert	Spare parts
	D	L	L1	F	d min			
ISN ^R /L0010K11S10	10	125	22	6.5	13		11IR 11IL	①
ISN ^R /L0012M11S12	12	150	26	8	16			
ISN ^R /LA0010K11S10	10	125	22	6.5	13	●		
ISN ^R /LA0012M11S12	12	150	26	8	16	●		
ISN ^R /L0016Q16	16	180	36	10	19		16IR 16IL	②
ISN ^R /L0020R16	20	200	40	12	24			③
ISN ^R /L0025R16	25	200	45	14.5	29			
ISN ^R /L0032S16	32	250	45	18.5	36			②
ISN ^R /LA0016Q16	16	180	36	10	19	●		
ISN ^R /LA0020R16	20	200	40	12	24	●		
ISN ^R /LA0025R16	25	200	45	14.5	29	●		
ISN ^R /LA0032S16	32	250	45	18.5	36	●		
ISN ^R /L0020R22	20	200	40	14	28		22IR 22IL	④
ISN ^R /L0025R22	25	200	45	16.5	32			⑤
ISN ^R /L0025S22	25	250	45	16.5	32			
ISN ^R /L0032S22	32	250	45	20	40			④
ISN ^R /LA0020R22	20	200	40	14	28	●		
ISN ^R /LA0025R22	25	200	45	16.5	32	●		
ISN ^R /LA0025S22	25	250	45	16.5	32	●		
ISN ^R /LA0032S22	32	250	45	20	40	●		

Spare parts	Screw	Shim	Screw	Wrench	Wrench
①	IMS2507G	—	—	—	ITK08
②	IMS3509A	—	—	—	ITK15
③	IMS3512A	IGXN16 or IGXE16	IHTM309	IPL25	ITK15
④	IMS4511A	—	—	—	ITK20
⑤	IMS4516A	IGXN22 or IGXE22	IHTM412	IPL30	ITK20

※ SNR right hand tools shim is IGXN., SNL left hand tools shim is IGXE...

External Threading Tool Holders

外徑車牙刀桿



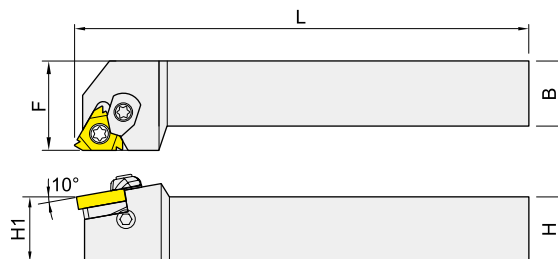
SE..CL



SER1010K16HC
SER1212K16HC

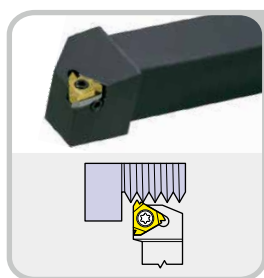


SER1216K16HC
SER1616K16HC



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		



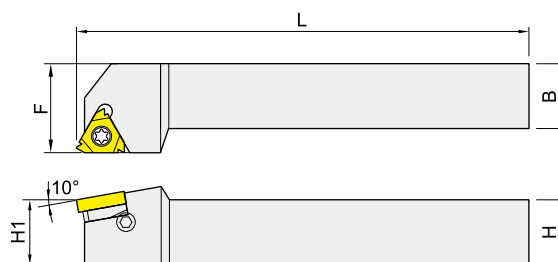
SE



SER1010K16
SER1212K16



SER1216K16
SER1616K16H



Right-hand shown

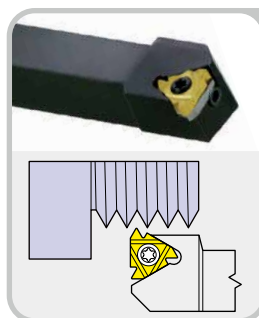
Order No.	Dimensions (mm)				Insert	Spare parts
	H(H1)	B	L	F		
ISE ^{R/L} 1216K16	12	16	125	16	16ER 16EL	③
ISE ^{R/L} 1010K16H	10	10	125	10		
ISE ^{R/L} 1212K16H	12	12	125	12		
ISE ^{R/L} 1616K16H	16	16	125	16		
ISE ^{R/L} 1616K16	16	16	125	20		④
ISE ^{R/L} 2020K16	20	20	125	25		
ISE ^{R/L} 2525M16	25	25	150	32		
ISE ^{R/L} 3232P16	32	32	170	40		
ISE ^{R/L} 2020K22	20	20	125	25	22ER 22IR	⑤
ISE ^{R/L} 2525M22	25	25	150	32		
ISE ^{R/L} 3232P22	32	32	170	40		

Spare parts	Screw	Wrench	Shim	Screw	Wrench	Clamp	Wrench
①	MS3509A	—	—	—	—	IMC353V	ITK15
②	MS3512A	—	IGXN16 or IGXE16	IHTM309	IPL25	IMC353V	ITK15
③	MS3509A	ITK15	—	—	—	—	—
④	MS3512A	ITK15	IGXN16 or IGXE16	IHTM309	IPL25	—	—
⑤	MS4516A	ITK20	IGXN22 or IGXE22	IHTM412	IPL30	—	—

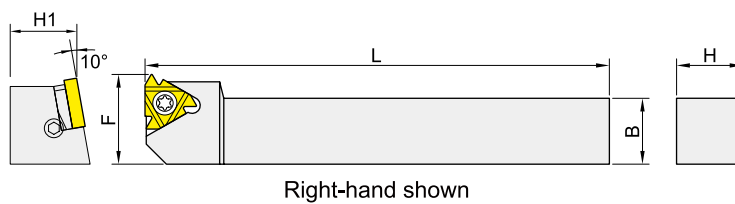
※ SER right hand tools shim is IGXE..., SEL left hand tools shim is IGXN...

External Threading Tool Holders

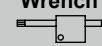
外徑車牙刀桿



SKE



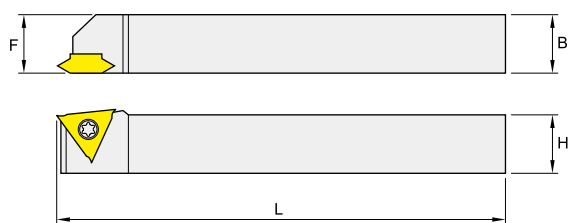
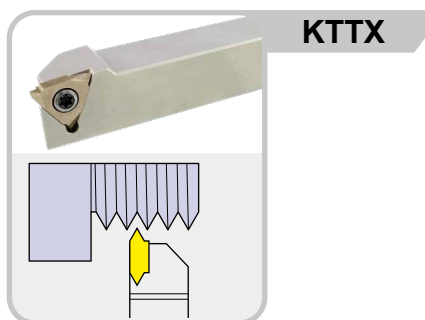
Order No.	Dimensions (mm)				Insert	Spare parts
	H(H1)	B	L	F		
ISKE ^{R/L} 1212K16	12	12	125	18	16ER 16EL	①
ISKE ^{R/L} 1616K16	16	16	125	22		②
ISKE ^{R/L} 2020K16	20	20	125	27		
ISKE ^{R/L} 2525M16	25	25	150	34		

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.

External Threading Tool Holders

外徑車牙刀桿



Right-hand shown

Order No.	Dimensions (mm)				Insert	Screw	Wrench
	H	B	L	F			
IKTTX ^R / _L 1010K16F	10	10	125	10	16VER 16VEL	IBFTX0407	ITK15
IKTTX ^R / _L 1212K16F	12	12	125	12			
IKTTX ^R / _L 1616K16F	16	16	125	16			
IKTTX ^R / _L 2020K16F	20	20	125	20			
IKTTX ^R / _L 2525K16F	25	25	150	25			

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

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	0.152	0.178	0.178	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
7					0.813	0.965	0.102	0.102	0.127	0.127	0.152	0.152	0.178	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
9							1.143	1.270	0.102	0.127	0.152	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	0.178
11									1.600	0.102	0.102	0.127	0.152	0.152	0.152	0.178
12										0.076	0.076	0.127	0.127	0.152	0.152	0.152
13										1.880	2.210	0.102	0.127	0.127	0.127	0.152
14												0.076	0.102	0.102	0.127	0.152
15												2.515	2.819	3.124	0.127	0.127
16															0.102	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
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
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
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
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
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
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
8						0.076	0.076	0.102	0.102	0.152	0.152	0.152	0.152	0.178	0.178
9						1.092	1.219	0.102	0.102	0.127	0.127	0.152	0.152	0.152	0.178
10								0.076	0.102	0.102	0.127	0.152	0.152	0.152	0.152
11								1.499	0.102	0.102	0.102	0.127	0.152	0.152	0.152
12									0.076	0.076	0.102	0.127	0.152	0.152	0.152
13									1.778	2.057	0.102	0.102	0.127	0.152	0.152
14											0.076	0.102	0.102	0.127	0.152
15											2.337	2.642	2.896	0.127	0.127
16														0.102	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.

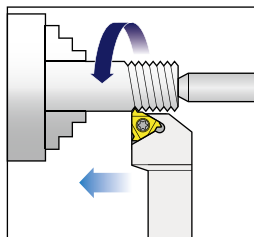
Unified(UN) 60° Internal 內徑

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

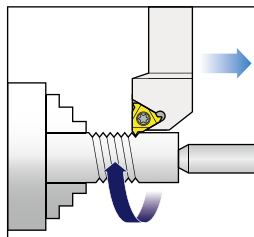
Last pass equals total depth of thread.

Thread Methods 進刀方法

External Right Hand Thread

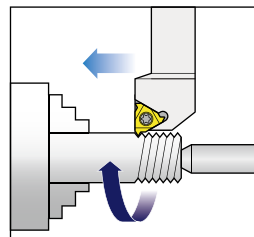


Spindle : Clockwise
Tool : right hand

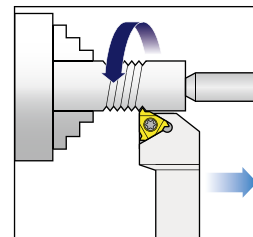


Spindle : Counterclockwise
Tool : left hand

External Left Hand Thread

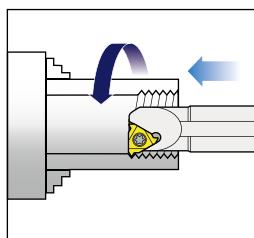


Spindle : Counterclockwise
Tool : left hand

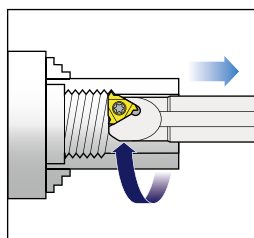


Spindle : Clockwise
Tool : right hand

Internal Right Hand Thread

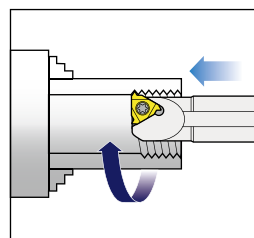


Spindle : Clockwise
Tool : right hand

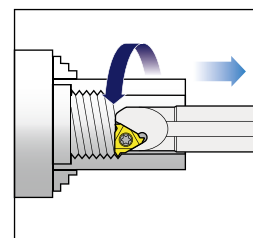


Spindle : Counterclockwise
Tool : left hand

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
Radial Infeed	• 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.
Modified Flank Infeed	• 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.
Alternating Flank Infeed	• 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.