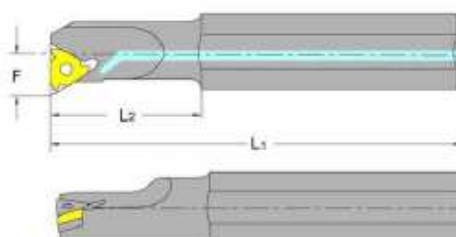
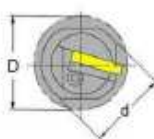
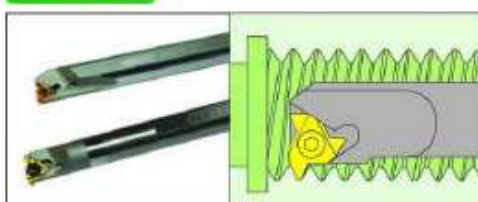


THREADING SYSTEM

SIR/L



■ Right hand tool holder shown.

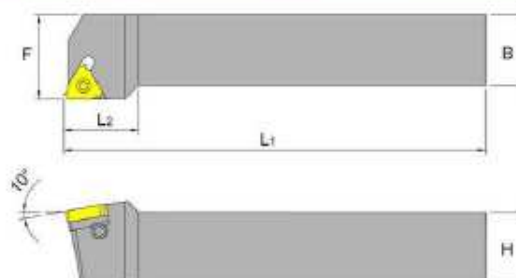
Order number	Insert number	Dimensions (mm)			d Min cutting diameter										
		D	L1	L2											
STEEL 鋼	SIR/L 1205H-06	06IR/L	12	100	12	6.4	—	—	BFTX 0205	—	TRX06	—			
	1207K-08	08IR/L	12	125	18	8									
	0008H-08		8	100	20	9.5									
	0010K-11	11IR/L	10	125	—	12	—	—	BFTX 2506	—	TRX08	—			
	0012M-11		12	150	—	14									
	1610M-11		16	150	24	12									
	1613M-11		16	150	32	15									
	1613M-16	16IR/L	16	150	32	15	—	—	BFTX 03509	—	TRX15	—			
	0016M-16		16	150	—	19									
	2016P-16		20	170	40	19									
	0020P-16		20	170	—	24									
	0025R-16		25	200	—	29									
	0032S-16		32	250	—	36									
	0040T-16		40	300	—	44									
COOLANT 中心油	ASIR/L 1205H-06	06IR/L	12	100	12	6.4	—	—	BFTX 0205	—	TRX06	—			
	1207K-08	08IR/L	12	125	18	8									
	0008H-08		8	100	—	9.5									
	0010K-11	11IR/L	10	125	—	12	—	—	BFTX 2506	—	TRX08	—			
	0012M-11		12	150	—	14									
	1610M-11		16	150	24	12									
	1613M-11		16	150	32	15									
	1613M-16	16IR/L	16	150	32	15	—	—	BFTX 03509	—	TRX15	—			
	0016P-16		16	170	—	19									
	2016P-16		20	170	40	19									
	0020P-16		20	170	—	24									
	0025R-16		25	200	—	29									
	0032S-16		32	250	—	36									
	0040T-16		40	300	—	44									
AHS 鋼油	AHSIR 0008K-08	08IR/L	8	125	—	9.5	—	—	BFTX 0205	—	TRX06	—			
	0010K-11	11IR/L	10	125	—	12			BFTX 2506		TRX08				
	0012M-11		12	150	—	14									
	1613M-16	16IR/L	16	150	32	15	—	—	BFTX 03509	—	TRX15	—			
	0016Q-16		16	180	—	19									
	0020Q-16		20	180	—	24			AI-16		AE-16	BFTX 03512	A16/ M3.5		LH-025
CARBIDE 鋼油	E05H SIR-06	06IR/L	5	100	—	6.4	—	—	BFTX 0205	—	TRX06	—			
	E08K SIR-08	08IR/L	8	125	—	9.5			BFTX 2506		TRX08				
	E10K SIR-11	11IR/L	10	150	—	12									
	E12M SIR-11		12	150	—	14									
	E16Q SIR-16	16IR/L	16	180	—	19	—	—	—	—	TRX15	—			
	E20R SIR-16		20	200	—	24					AI-16	AE-16	BFTX 03512	A16/ M3.5	LH-025

D1

PRECISE

THREADING SYSTEM

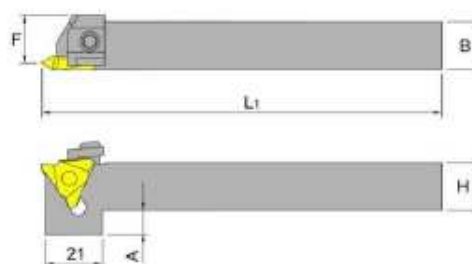
SER/L



■ Right hand tool holder shown.

Order number	Insert number	Dimensions (mm)										
		H	B	L ₁	L ₂	F	Shim R	Shim L	Screw	Shim Screw	Wrench	Wrench
SER/L 1212H 16	16ER/L	12	12	100	22	20	—	—	BFTX 03509	—	—	TRX15
1616H 16		16	16	100	22	20	AE-16	AI-16	BFTX 03512	A16-M3.5	LH-025	
2020K 16		20	20	125	25	25						
2525M 16		25	25	150	25	32						
3232P 16		32	32	170	25	38						

MTHR/L

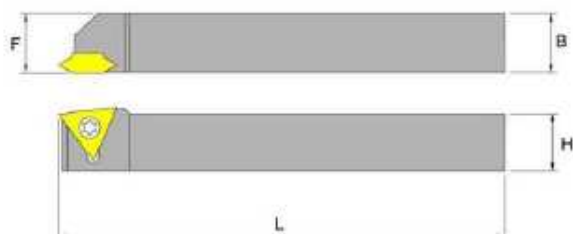
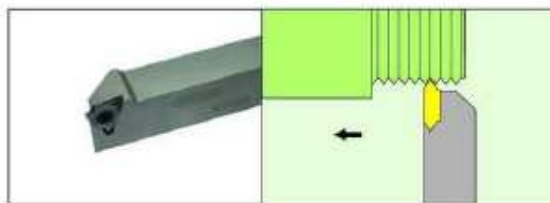


■ Right hand tool holder shown.

Order number	Insert number	Dimensions (mm)							
		H	B	L ₁	F	Clamp	Clamp screw	Spring	Wrench
MTHR/L 1616H4	MTTR/L 436000 MTTR/L 436004	16	16	100	13.8	MTK1R/L	BS0620	MES3	LH-040
2020K4		20	20	125	17.8				
2525M4		25	25	150	22.8				
3232P4		32	32	170	30				

THREADING SYSTEM

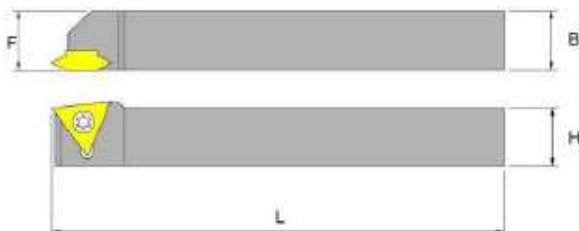
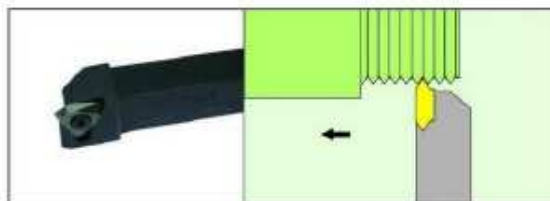
KTTXR/L



■ Right hand tool holder shown. 可加工至螺紋根部

Order number	Insert number	Dimensions (mm)				Screw	Wrench
		H	B	L	F		
KTTXR/L 1010K-16F	TTX32R/L 6000 TTX32R/L 6000S TTX32R/L 6001 TTX32R/L 5001 TTX32R/L 5001S	10	10	125	10	BFTX0407	TRX15
1212K-16F		12	12		12		
1616K-16F		16	16		16		
2020K-16F		20	20		20		
2525M-16F		25	25	150	25		

KTTR/L



■ Right hand tool holder shown.

Order number	Insert number	Dimensions (mm)				Screw	Wrench
		H	B	L	F		
KTTR/L 2020K-22	TT43R/L 6001 TT43R/L 6004 TT43R/L 5501 TT43R/L 5504	20	20	125	25	BFTX0511	TRX15
2525M-22		25	25	150	30		

編號	說明
□	無標示表萬用
M	斷屑槽
B	外圓研磨 &斷屑槽

④ Type of shape 刀片外形

L (mm)	I.C. (mm)
06	4.00
08	5.00
11	6.35
16	9.525
22	12.7
27	15.875

① Insert Size 刀片邊長

55	Partial Profile 55° 通用螺紋 55°
60	Partial Profile 60° 通用螺紋 60°
ISO	公制 60° (mm)
UN	美規 60°
W (Whitworth) (PF,PS)	惠氏 55° 平行管螺紋
BSPT (PT)	英制 55° 錐度管螺紋
NPT	美規 60° 錐度管螺紋
NPTF	美規 60° 空壓用螺紋
PG	管螺紋 80°
TR (TRAPEZ)	TR 30° 梯形螺紋
ACME	美規 29° 梯形螺紋
STUB ACME	美規 29° 短齒梯形螺紋
ABUT (AM.BUTTRESS)	美規 偏梯形螺紋
UNJ	美規 UNJ 60°
RD(Round) (DIN 405)	德規 RD圓螺紋 30°
DIN 20400	德規 RD圓螺紋 30°
MJ	MJ 60°
SAGE (SAGENGEWINDE)	德規 偏梯形螺紋
API (OIL INDUSTRY)	石油工業螺紋 60°
SPECIAL PROFILE	特殊齒形螺紋

⑥ Thread standards 螺紋規範

① 16 ② E ③ R ④ M ⑤ 1.5 ⑥ ISO ⑦ 2M ⑧ ITC400

② Type of Insert 車削類型

編號	說明
E (External)	外徑車削
I (Internal)	內徑車削
EI (E+I)	外、內徑車削

③ RH/LH Insert 車削方向

編號	說明
R (Right Hand Insert)	右手車削
L (Left Hand Insert)	左手車削
RL (R+L)	右、左手車削

⑤ Pitch 螺距

Partial Profile 通用螺紋規格		
編號	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
Q	5.5~6.0	4½~4
U	5.5~9.0	4½~2½
Full Profile 專用螺紋規格		
mm	TPI	
0.35~12.0	72~2	

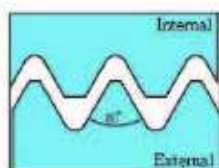
⑦ No. of Teeth 牙刀刀數

編號	說明
□	無標示表單刀
2M	雙刀
3M	三刀

⑧ Carbide Grades 刀片材質

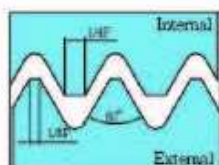
ITC 300
ITC 400
K15

Partial Profile 60°
通用螺紋 60°



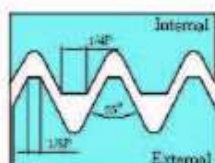
External Order Number 外螺紋訂貨編號	Internal Order Number 內螺紋訂貨編號	Pitch 螺距		Dimension (mm)					
		mm	Tpi	θ°	L	I.C.	X	Y	r
—	06IR A60	0.5~1.5	48~16	60	6	4	0.5	0.6	0.05
—	08IR A60	0.5~1.5	48~16	60	8	5	0.5	0.7	0.05
11ER A60	11IR A60	0.5~1.5	48~16	60	11	6.35	0.8	0.9	0.05
16ER A60	16IR A60	0.5~1.5	48~16	60	16	9.525	0.8	0.9	0.05
16ER AG60	16IR AG60	0.5~3.0	48~8	60	16	9.525	1.2	1.7	0.05
16ER G60	16IR G60	1.75~3.0	14~8	60	16	9.525	1.2	1.7	0.16
22ER N60	22IR N60	3.5~5.0	7~5	60	22	12.7	1.7	2.5	0.3
27ER Q60	27IR Q60	5.5~6.0	4.5~4	60	27	15.875	2	3	0.3

ISO
公制 60°



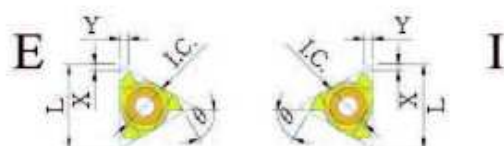
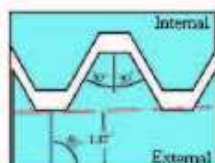
External Order Number 外螺紋訂貨編號	Internal Order Number 內螺紋訂貨編號	Pitch 螺距		Dimension (mm)				
		mm	Tpi	θ°	L	I.C.	X	Y
—	11IR 1.0ISO	1.00		60	11	6.350	0.70	0.70
—	11IR 1.25ISO	1.25		60	11	6.350	0.80	0.90
—	11IR 1.5ISO	1.50		60	11	6.350	0.80	1.00
—	11IR 1.75ISO	1.75		60	11	6.350	0.80	1.10
—	11IR 2.0ISO	2.00		60	11	6.350	0.80	0.90
—	16IR 0.6ISO	0.60		60	16	9.525	0.60	0.60
—	16IR 0.7ISO	0.70		60	16	9.525	0.60	0.60
16ER 0.75ISO	16IR 0.75ISO	0.75		60	16	9.525	0.60	0.60
16ER 0.8ISO	16IR 0.8ISO	0.80		60	16	9.525	0.60	0.60
16ER 1.0ISO	16IR 1.0ISO	1.00		60	16	9.525	0.70	0.70
16ER 1.25ISO	16IR 1.25ISO	1.25		60	16	9.525	0.80	0.90
16ER 1.5ISO	16IR 1.5ISO	1.50		60	16	9.525	0.80	1.00
16ER 1.75ISO	16IR 1.75ISO	1.75		60	16	9.525	0.90	1.00
16ER 2.0ISO	16IR 2.0ISO	2.00		60	16	9.525	1.00	1.30
16ER 2.5ISO	16IR 2.5ISO	2.50		60	16	9.525	1.10	1.50
16ER 3.0ISO	16IR 3.0ISO	3.00		60	16	9.525	1.20	1.50
22ER 3.5ISO	22IR 3.5ISO	3.50		60	22	12.700	1.60	2.30
22ER 4.0ISO	22IR 4.0ISO	4.00		60	22	12.700	1.60	2.30
22ER 4.5ISO	22IR 4.5ISO	4.50		60	22	12.700	1.70	2.40
22ER 5.0ISO	22IR 5.0ISO	5.00		60	22	12.700	1.70	2.50
27ER 5.5ISO	27IR 5.5ISO	5.50		60	27	15.875	1.80	2.40
27ER 6.0ISO	27IR 6.0ISO	6.00		60	27	15.875	1.90	2.60

UN 60°
美規 60°



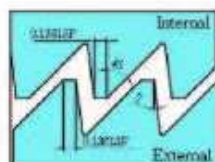
External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)				
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y
—	08IR 24UN		24	60	8	5.000	0.70	0.70
—	11IR 24UN		24	60	11	6.350	0.70	0.80
—	11IR 20UN		20	60	11	6.350	0.80	0.90
—	11IR 18UN		18	60	11	6.350	0.80	1.00
—	11IR 16UN		16	60	11	6.350	0.60	1.10
—	11IR 14UN		14	60	11	6.350	0.60	1.10
16ER 24UN	16IR 24UN		24	60	16	9.525	0.70	0.80
16ER 20UN	16IR 20UN		20	60	16	9.525	0.80	0.90
16ER 18UN	16IR 18UN		18	60	16	9.525	0.80	1.00
16ER 16UN	16IR 16UN		16	60	16	9.525	0.60	1.10
16ER 14UN	16IR 14UN		14	60	16	9.525	1.00	1.20
16ER 12UN	16IR 12UN		12	60	16	9.525	1.10	1.40

NPT 60°
美規錐管螺紋 60°



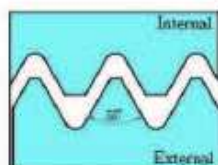
External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)				
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y
—	11IR 18NPT		18	60	11	6.350	0.80	1.00
—	11IR 14NPT		14	60	11	6.350	0.80	1.00
16ER 18NPT	—		18	60	16	9.525	0.80	1.00
16ER 14NPT	16IR 14NPT		14	60	16	9.525	0.90	1.20
—	16IR 11.5NPT		11½	60	16	9.525	1.10	1.50

ABUT
美規偏梯形螺紋



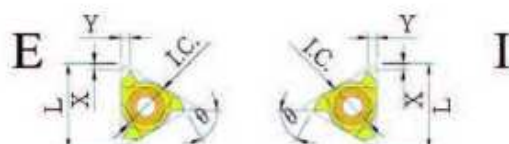
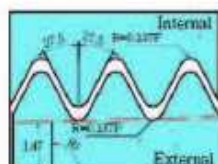
External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)				
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y
11ER 20ABUT	11IR 20ABUT	11.00	20	45+7	11	6.350	1.00	1.40
11ER 16ABUT	11IR 16ABUT	11.00	16	45+7	11	6.350	1.30	1.90
16ER 20ABUT	16IR 20ABUT	16.00	20	45+7	16	9.525	1.00	1.40
16ER 16ABUT	16IR 16ABUT	16.00	16	45+7	16	9.525	1.30	1.90
16ER 12ABUT	16IR 12ABUT	16.00	12	45+7	16	9.525	1.40	2.00
16ER 10ABUT	16IR 10ABUT	16.00	10	45+7	16	9.525	1.50	2.30
22ER 8ABUT	22IR 8ABUT	22.00	8	45+7	22	12.700	2.00	3.20
22ER 6ABUT	22IR 6ABUT	22.00	6	45+7	22	12.700	2.20	3.50

Partial Profile 55°
通用螺紋 55°



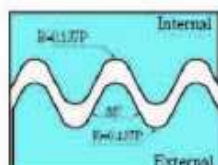
External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)					
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y	r
—	11IR A55	0.5~0.15	48~16	55	11	6.35	0.8	0.9	0.05
16ER G55	16IR G55	1.75~3.0	14~8	55	16	9.525	1.2	1.7	0.21
22ER N55	22IR N55	3.5~5.0	7~5	55	22	12.7	1.7	2.5	0.43
27ER Q55	—	5.5~6	4.5~4	55	27	15.875	2.1	3	0.6

BSPT 55°
英制錐管螺紋 55°



External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)				
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y
—	08IR 28BSPT		28	55	8	5.000	0.70	0.60
—	08IR 19BSPT		19	55	8	5.000	0.70	0.70
11ER 28BSPT	11IR 28BSPT		28	55	11	6.350	0.80	0.90
11ER 19BSPT	11IR 19BSPT		19	55	11	6.350	0.80	0.90
11ER 14BSPT	11IR 14BSPT		14	55	11	6.350	0.90	1.00
16ER 28BSPT	16IR 28BSPT		28	55	16	9.525	0.60	0.60
16ER 19BSPT	16IR 19BSPT		19	55	16	9.525	0.80	0.90
16ER 14BSPT	16IR 14BSPT		14	55	16	9.525	1.00	1.20
16ER 11BSPT	16IR 11BSPT		11	55	16	9.525	1.10	1.50

W 55°
惠氏 55°



External Order Number	Internal Order Number	Pitch 螺距		Dimension (mm)				
外螺紋訂貨編號	內螺紋訂貨編號	mm	Tpi	θ°	L	I.C.	X	Y
16ER 19W	16IR 19W		19	55	16	9.525	1.00	1.00
16ER 18W	16IR 18W		18	55	16	9.525	1.00	1.00
16ER 16W	16IR 16W		16	55	16	9.525	1.10	1.10
16ER 14W	16IR 14W		14	55	16	9.525	1.20	1.20
16ER 12W	16IR 12W		12	55	16	9.525	1.40	1.40
16ER 11W	16IR 11W		11	55	16	9.525	1.50	1.50
16ER 10W	16IR 10W		10	55	16	9.525	1.50	1.50