

Professional, Precise, Durable

仿剛

LI KANG INDUSTRY CO., LTD



2019 CORPORATE TOOL GUIDE



仸剛工業有限公司

LI KANG INDUSTRY CO., LTD

成立於1989年，前身為三和興工業社，從事精密零組件生產已超過30年，也是國內第一批投入精密刀桿生產的廠商之一，擁有豐富的設計研發及生產組裝經驗。

隨著工具機產業的蓬勃發展，市場需求逐年擴增，為增加產能及追求更完美的品質，除豐原一廠、豐原二廠外，位於豐洲科技工業園區的豐洲一廠也於2013年加入生產行列，並引進世界各先進國家的工具機生產及檢驗設備。

在製造、研磨及組裝過程中，我們實施最嚴格的品質管理，以確保每件產品的品質，除了高品質及多樣化的產品選擇外，仸剛亦擁有專業的技術部門，針對客戶各種特殊的加工需求，提供專業諮詢和客製化的服務，給予客戶最佳的加工方案，以協助客戶解決問題。

仸剛堅持提供高品質產品及最優質的服務，與每位客戶建立長期且穩定的合作關係，創造雙贏局面。


KCH 強力型精密銑刀夾頭
POWER GRIP MILLING CHUCK

BT Series	P1-P2
SK Series	P37
HSK-A Series	P44
NT Series	P51
HBT Series	P53
KCH 筒夾/扳手 Collet/Wrench	P2


LT 高精度銑刀夾頭
LT COLLET CHUCK

BT Series	P3
SK Series	P37
HSK-A Series	P41
HSK-E Series	P46
HBT Series	P54
NBT Series	P59
直柄 Straight Shank	P67
筒夾/扳手/螺帽 Collet/Wrench/Nut	P4


KG 後拉式高精度銑刀夾頭
KG COLLET CHUCK

BT Series	P5
SK Series	P37
HSK-A Series	P42
HBT Series	P57
直柄 Straight Shank	P63
筒夾/接桿 Collet/Adapter	P6


HSL 燒結式專用刀桿
SHRINK FIT CHUCK

BT Series	P7
HSK-A Series	P42
HSK-E Series	P46
HBT Series	P58
直柄 Straight Shank	P62


ER 伸縮攻牙器
RIGID TAP HOLDER

BT Series	P8
SK Series	P38
直柄 Straight Shank	P69
筒夾 Collet	P11


TPA 伸縮扭力攻牙器
TENSION & COMPRESSION TAP HOLDER

BT Series	P8
SK Series	P38
NT Series	P47
直柄/斜柄 Straight Shank/Morse Taper	P69
筒夾 Collet	P8


DT33, DT52 攻牙器
DT33、DT52 DRILL TAPER

BT Series	P8
斜柄 Morse Taper	P74
筒夾 Collet	P74


LB 後拉式高精度銑刀夾頭
LB COLLET CHUCK

BT Series	P9
HSK-A Series	P42
HSK-E Series	P46
HBT Series	P58
NBT Series	P59
直柄 Straight Shank	P63
筒夾 Collet	P9


ER 銑刀夾頭
SPRING COLLET CHUCK

BT Series	P12-P13
SK Series	P38
HSK-A Series	P41
HSK-E Series	P45
NT Series	P52
HBT Series	P54
NBT Series	P59
直柄 Straight Shank	P67-P68
筒夾/扳手/螺帽 Collet/Wrench/Nut	P10-P11


LR 整數柄銑刀夾頭
INTEGER HANDLE COLLET CHUCK

BT Series	P14
HSK-A Series	P43
HSK-E Series	P46
HBT Series	P53
NBT Series	P59
筒夾/扳手/螺帽 Collet/Wrench/Nut	P10-P11


FMA 平面銑刀
FACE MILL A TYPE

BT Series	P15-P16
SK Series	P40
HSK-A Series	P45
NT Series	P47-48
HBT Series	P55
轉接搪孔刀頭 Transfer Boring Block	P18


FMB 平面銑刀
FACE MILL B TYPE

BT Series	P17-18
SK Series	P40
HSK-A Series	P45
HBT Series	P55
轉接搪孔刀頭 Transfer Boring Block	P18


SLA 側固式立銑刀柄
SIDE LOCK END MILL HOLDER

BT Series	P19-22
SK Series	P39
HSK-A Series	P43
NT Series	P48
HBT Series	P56
直柄 Straight Shank	P64-65


CK 雙刃粗(精)搪刀桿
BORING HOLDER

BT Series	P22-P23
SK Series	P40
HSK-A Series	P44
NT Series	P49
HBT Series	P56
直柄 Straight Shank	P63
搪頭/接桿 Boring Head/Adapter	P24-P27


BST 大口徑粗搪孔刀
LARGE SIZE BORING HOLDER

BT Series	P28
NT Series	P51
刀盤/搪孔刀 Boring Block/Boring Bar	P28


BLB 大口徑微調搪孔刀
LARGE SIZE MICRO BORING HOLDER

BT Series	P29
刀盤 Boring Block	P29



BCS 微調搪孔刀柄
MICRO FINISH BORING HEAD

BT Series _____ P30
搪頭 Boring Head _____ P29



BSA 粗搪孔刀柄
BORING HOLDER A TYPE

BT Series _____ P31
NT Series _____ P50
直柄 Straight Shank _____ P66



BSB 粗搪孔刀柄
BORING HOLDER B TYPE

BT Series _____ P32
NT Series _____ P50
直柄 Straight Shank _____ P66



SCA 側銑刀架
SIDE CUTTER HOLDER

BT Series _____ P14
NT Series _____ P47



MTA 斜柄鑽頭套筒刀柄
MORSE TAPER A TYPE

BT Series _____ P33
SK Series _____ P39
NT Series _____ P51
延長桿 Extension _____ P69



MTB 斜柄鑽頭套筒刀柄
MORSE TAPER B TYPE

BT Serie _____ P33
SK Series _____ P39
MTB專用拉桿 MTB Pull Stud _____ P33



JTA 斜柄鑽帽心軸
DRILL CHUCK HOLDER

BT Series _____ P34



APU 一體式鑽夾頭刀柄
DRILL CHUCK HOLDER

BT Series _____ P34
SK Series _____ P39
HSK-A Series _____ P43
NT Series _____ P49
HBT Series _____ P56
直柄/斜柄
Straight Shank/Morse Taper _____ P63



OZ 立銑刀夾頭
OZ COLLET CHUCK

BT Series _____ P34
NT Series _____ P51
筒夾/扳手 Collet/Wrench _____ P34



ABH 微調搪孔刀柄
MICRO BORING HOLDER

BT Series _____ P35
NT Series _____ P52



M 鎖牙式刀桿
SCREWED END MILL HOLDER

BT Series _____ P35
HSK-A Series _____ P42
HBT Series _____ P58



OSL 油路刀把
EXTERNAL COOLANT INDUCER

BT Series _____ P36
套筒 Sleeve _____ P36



TSA 異徑套筒
ADAPTER

BT Series _____ P36
NT Series _____ P36



測試棒
TEST BAR

BT Series _____ P36
HSK-A Series _____ P43
HSK-E Series _____ P45



雕刻機刀桿
ENGRAVING MACHINE CHUCK

ISO Series _____ P60
BT15 Series _____ P61
BT20 Series _____ P61



尋邊器
EDGE FINDER

光電式 Photoelectric _____ P70
偏心式 Mechanical _____ P70



BJ 小徑精搪頭 & 搪刀桿
MICRO FINISH BORING HEAD & BAR

P27



P27

鎢鋼柄搪刀桿/轉換套筒/搪孔頭
CARBIDE HOLDER/ADAPTER/BORING HEAD



P28

鎢鋼柄刀桿/搪孔轉接桿/燒結轉接桿
CARBIDE HOLDER/ADAPTER FOR BORING/ADAPTER FOR SHRINK FIT



P66

直柄絲攻延長桿
STRAIGHT SHANK TAP EXTENSION



P70

擦拭棒 SPINDLE TAPER WIPER



P70

Z軸高度設定器
Z AXIAL PRESET GAUGE



P70

立臥兩用鎖刀座
TOOL LOCKING DEVICE



P71

拉頭 PULL STUD



P72

HSK中心出水導油管
COOLANT SUPPLY



P72

HSK止水塞頭
WATER STOP PLUG



P72

三點式組合模具
MODULAR CONCENTRICITY TEST GAUGE



P73

直柄ER夾頭組
STRAIGHT SHANK SPRING COLLET SET



P73

BC2搪孔器組
BORING SHANK SET



P73

OZ立銑刀夾頭組
OZ COLLET CHUCK SET



P74

BHB搪孔器組
BORING SHANK SET



P74

懸臂鑽床攻牙器組
DRILL TAPER SET



P74

KCH強力型精密銑刀夾頭組
POWER GRIP MILLING CHUCK SET



P75

高周波燒結機
INDUCTION SHRINKING UNIT



P77

SCBH整體式減震搪孔刀桿
SCBH INTEGRATED DAMPED
FINE BORING TOOL



P78

SLBK減震搪孔刀桿
SLBK DAMPED BORING BAR



P79-80

LBK減震異徑搪孔刀桿
LBK INTEGRATED MODULAR
DAMPED BORING TOOL



P81-82

FMH減震面銑刀桿
FMH SERIES
DAMPED MILLING TOOLS



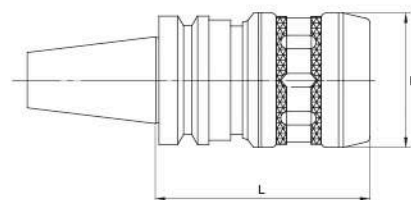
P83

SLTC減震直柄車刀桿
SLTC DAMPED TURNING HOLDER



P84-85

車刀頭
TURNING HEAD



KCH 強力型精密銑刀夾頭

MODEL NO.	Clamping Range	L	D	COLLET
BT30-KCH12-70	4-12	70	35	C12
BT30-KCH16-70	4-16	70	42	C16
BT30-KCH20-80	6-20	80	52	C20
BT30-KCH25-80	6-25	80	60	C25
BT40-KCH12-75	4-12	75	35	C12
BT40-KCH12-90	4-12	90		
BT40-KCH12-105	4-12	105		
BT40-KCH16-75	4-16	75	42	C16
BT40-KCH16-90	4-16	90		
BT40-KCH16-105	4-16	105		
BT40-KCH20-75	6-20	75	52	C20
BT40-KCH20-90	6-20	90		
BT40-KCH20-105	6-20	105		
BT40-KCH20-135	6-20	135	60	C25
BT40-KCH25-75	6-25	75		
BT40-KCH25-90	6-25	90		
BT40-KCH25-105	6-25	105	68	C32
BT40-KCH32-95	4-32	95		
BT40-KCH32-105	4-32	105		
BT40-KCH32-135	4-32	135		



POWER GRIP MILLING CHUCK/KCH

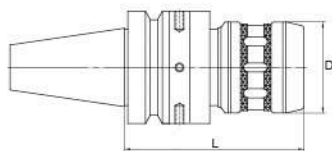
MODEL NO.	Clamping Range	L	D	COLLET
BT50-KCH16-105	4-16	105	42	C16
BT50-KCH16-135	4-16	135		
BT50-KCH16-165	4-16	165		
BT50-KCH16-200	4-16	200	52	C20
BT50-KCH16-250	4-16	250		
BT50-KCH20-105	6-20	105		
BT50-KCH20-135	6-20	135		
BT50-KCH20-165	6-20	165		
BT50-KCH20-200	6-20	200		
BT50-KCH20-250	6-20	250	60	C25
BT50-KCH20-300	6-20	300		
BT50-KCH20-350	6-20	350		
BT50-KCH20-400	6-20	400		
BT50-KCH25-105	6-25	105		
BT50-KCH25-135	6-25	135	68	C32
BT50-KCH25-165	6-25	165		
BT50-KCH25-200	6-25	200		
BT50-KCH25-250	6-25	250		
BT50-KCH25-300	6-25	300		
BT50-KCH25-350	6-25	350	87	C42
BT50-KCH32-105	4-32	105		
BT50-KCH32-135	4-32	135		
BT50-KCH32-165	4-32	165		
BT50-KCH32-200	4-32	200		
BT50-KCH32-250	4-32	250		
BT50-KCH32-300	4-32	300	87	C42
BT50-KCH32-350	4-32	350		
BT50-KCH42-105	6-42	105		
BT50-KCH42-135	6-42	135	87	C42
BT50-KCH42-165	6-42	165		
* BT50-KCH42-200	6-42	200		

PS: KCH16有勾型外蓋及軸承型外蓋可選用。

*: 為減重設計。

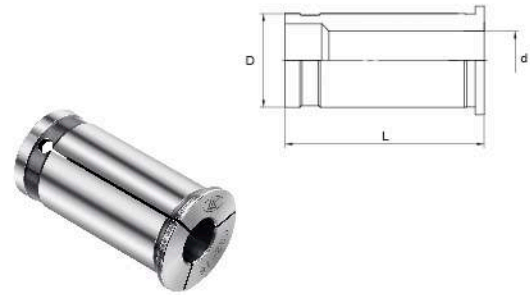
**KCH(S) 強力型精密銑刀夾頭** POWER GRIP MILLING CHUCK/KCH(S)

MODEL NO.	Clamping Range	L	D	COLLET
BT30-KCH20-70-S	6-20	70	48	C20
BT30-KCH32-100-S	4-32	100	63	C32
BT40-KCH20-75-S	6-20	75	48	C20
BT40-KCH32-95-S	4-32	95	63	C32
BT40-KCH32-105-S	4-32	105	63	C32
BT40-KGH32-90	4-32	90	73	C32
BT50-KCH20-105-S	6-20	105	48	C20
BT50-KCH20-135-S	6-20	135		
BT50-KCH20-165-S	6-20	165		
BT50-KCH32-105-S	4-32	105	63	C32
BT50-KCH32-135-S	4-32	135		
BT50-KCH32-165-S	4-32	165		
BT50-KGH32-105	4-32	105	73	C32
BT50-KGH32-135	4-32	135		
BT50-KGH32-165	4-32	165		
BT50-KGH32-200	4-32	200		

**MCH 可調式強力型精密銑刀夾頭**
ADJUSTABLE POWER GRIP MILLING CHUCK/MCH

MODEL NO.	Clamping Range	L	D	COLLET	Weight
BT50-MCH32-135	4-32	135	68	C32	6.55

特點：
調整量：0.3mm。
不論新舊機台、刀架，皆可調整至5μ以內，亦可作偏心調整，使刀具符合所需尺寸。

**直筒夾 STRAIGHT COLLET**

MODEL NO.	D	常用 d	L
C16	16	4、6、8、10、12	48
C20	20	6、8、10、12、16	57
C25	25	6、8、10、12、16、20	60
C32	32	4、6、8、10、12、16、20、25	67
C42	42	6、8、10、12、16、20、25、32	76

MODEL NO.	D	特殊 d	L
C20	20	10.5、12.5、14.5、15、15.5	57
C25	25	14、15、15.5	60
C32	32	4、5、7、9、11、13、14、15、17、18、19、21、22、23、24 6.2、6.5、6.8、8.5、9.5、10.5、12.5、15.5	67

MODEL NO.	D	英制 d	L
C32	32	1/4"、5/16"、3/8"、1/2"、5/8"、3/4"、1"	67

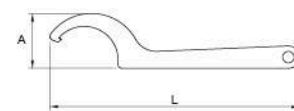


FIG.1

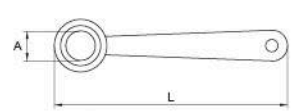
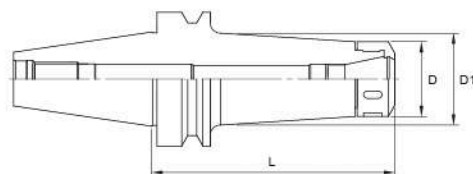


FIG.2

**KCH 扳手 WRENCH/KCH**

MODEL NO.	Fig	L	A
KCH12 (軸承型)	2	200	35
KCH16	1	210	40.7
KCH16 (軸承型)	2	210	40
KCH20	1	230	42
KCH20-S	1	230	42
KCH25	1	250	52
KCH32	1	270	53
KCH32-S	1	260	53
KGH32	1	285	52
KCH42	1	310	68



LT 高精度銑刀夾頭 COLLET CHUCK/LT

MODEL NO.	Clamping Range	D	D1	L
BT30-LT06-70	2-6	20	-	70
BT30-LT06-100	2-6	20	-	100
BT30-LT08-70	2-8	25	-	70
BT30-LT08-100	2-8	25	-	100
BT30-LT10-70	2-10.3	35	-	70
BT30-LT10-100	2-10.3	35	-	100
BT30-LT10-120	2-10.3	35	-	120
BT30-LT10-135	2-10.3	35	-	135
BT30-LT16-70	4-16	46	-	70
BT30-LT16-100	4-16	46	-	100
BT30-LT20-75	8-20	50	-	75
BT30-LT25-100	8-25	58	-	100

BT40-LT06-70	2-6	20	-	70
BT40-LT06-100	2-6	20	-	100
BT40-LT06-125	2-6	20	-	125
BT40-LT06-150	2-6	20	-	150
BT40-LT08-70	2-8	25	-	70
BT40-LT08-100	2-8	25	-	100
BT40-LT10-70	2-10.3	35	-	70
BT40-LT10-100	2-10.3	35	-	100
BT40-LT10-125	2-10.3	35	-	125
BT40-LT10-150	2-10.3	35	-	150
BT40-LT16-70	4-16	46	-	70
BT40-LT16-80	4-16	46	-	80
BT40-LT16-100	4-16	46	-	100
BT40-LT16-125	4-16	46	-	125
BT40-LT16-150	4-16	46	-	150
BT40-LT20-70	8-20	50	-	70
BT40-LT25-80	8-25	58	-	80
BT40-LT25-100	8-25	58	-	100
BT40-LT25-125	8-25	58	-	125
BT40-LT25-150	8-25	58	-	150

MODEL NO.	Clamping Range	D	D1	L
BT50-LT06-200	2-6	20	27	200
BT50-LT10-100	2-10.3	35	-	100
BT50-LT10-125	2-10.3	35	-	125
BT50-LT10-150	2-10.3	35	40	150
BT50-LT10-200	2-10.3	35	42	200
BT50-LT10-250	2-10.3	35	45	250
BT50-LT10-300	2-10.3	35	47	300
BT50-LT16-100	4-16	46	-	100
BT50-LT16-125	4-16	46	-	125
BT50-LT16-150	4-16	46	52	150
BT50-LT16-200	4-16	46	52	200
BT50-LT16-250	4-16	46	54	250
BT50-LT16-300	4-16	46	57	300
BT50-LT20-100	8-20	50	-	100
BT50-LT20-150	8-20	50	54	150
BT50-LT20-200	8-20	50	57	200
BT50-LT25-100	8-25	58	-	100
BT50-LT25-125	8-25	58	-	125
BT50-LT25-150	8-25	58	-	150
BT50-LT25-200	8-25	58	63	200
BT50-LT25-250	8-25	58	62	250
BT50-LT25-300	8-25	58	62	300

BT40-LT10-100-S	2-10.3	30	-	100
BT50-LT10-150-S	2-10.3	30	35	150
BT50-LT10-200-S	2-10.3	30	35	200

PS: LT10有勾型螺帽及軸承型螺帽可選用。



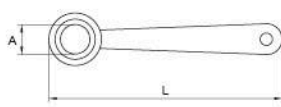


FIG.1

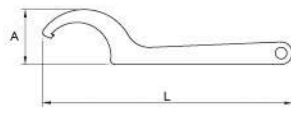
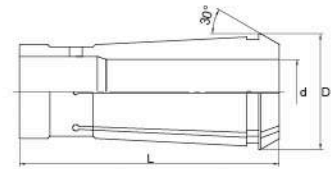


FIG.2

**LT 扳手 WRENCH**

MODEL NO.	Fig	L	A
LT06 (軸承型)	1	160	20
LT08 (軸承型)	1	170	25
LT10 (軸承型)	1	200	35
LT10-S (軸承型)	1	180	30
LT10	2	190	36
LT16	2	235	43.5
LT20	2	250	45
LT25	2	260	47

LT 筒夾 COLLET

MODEL NO.	常用 d	D	L
LT06	2、3、4、5、6	12.1	40.6
LT08	3、4、6、8	15.1	41.6
LT10	3、4、6、8、10	17.3	46.5
LT16	4、6、8、10、12、16	26.4	60
LT20	8、10、12、16、20	31	65.7
LT25	12、16、20、25	33.3	70

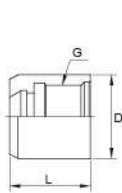


FIG.1

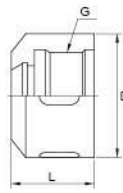


FIG.2

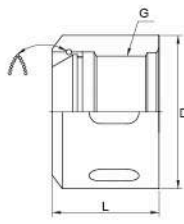


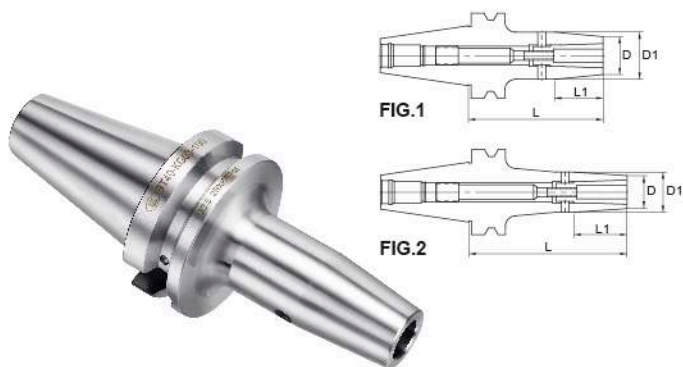
FIG.3



MODEL NO.	特殊 d	D	L
LT06	2.5、3.2、3.3、3.5、4.2、4.5、5.5	12.1	40.6
LT10	2、5、7、9 2.5、3.2、3.3、3.5、4.2、4.5、5.2、5.5、 6.2、6.35、6.5、6.8、7.94、8.5、10.3	17.3	46.5
LT16	5、7、9、11、13、14、15 10.3、12.5	26.4	60
LT25	8、10、11、13、14、15、17、18、 19、21、22、23、24	33.3	70

LT 螺帽 CLAMPING NUT

MODEL NO.	Fig	D	L	G
LT06 (軸承型)	1	20	19	M16xP1.0
LT08 (軸承型)	1	25	25	M20xP1.0
LT10	2	35	30	M25xP1.25
LT10 (軸承型)	1	35	30	M25xP1.25
LT10-S (軸承型)	1	30	23	M23xP1.25
LT16	2、3	46	27	M36xP1.5
LT20	3	50	27	M40xP1.5
LT25	3	58	32	M47xP1.5



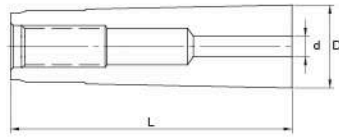
KG 後拉式高精度銑刀夾頭 COLLET CHUCK/KG

MODEL NO.	Fig	Clamping Range	L	L1	D	D1	Collet
BT40-KG08-75-H	1	3-10	75	-	30	-	KG08
BT40-KG08-75	1	3-10	75	36	23	30	KG08
BT40-KG08-100-H	1	3-10	100	-	30	-	KG08
BT40-KG08-100	1	3-10	100	38	23	30	KG08
BT40-KG08-125	2	3-10	125	38	23	30	KG08
BT40-KG08-150	2	3-10	150	38	23	30	KG08
BT40-KG14-75-H	1	6-14	75	-	34	-	KG14
BT40-KG14-75	1	6-14	75	45	26	34	KG14
BT40-KG14-100	1	6-14	100	45	26	34	KG14
BT40-KG14-125	2	6-14	125	45	26	34	KG14
BT40-KG14-150	2	6-14	150	45	26	34	KG14
BT40-KG20-75	1	10-20	75	50	38	45	KG20
BT40-KG20-100-H	1	10-20	100	-	48	-	KG20
BT40-KG20-100	1	10-20	100	50	38	48	KG20
BT40-KG20-125	2	10-20	125	50	38	48	KG20
BT40-KG20-150	2	10-20	150	50	38	48	KG20
BT50-KG08-100	1	3-10	100	38	24	30	KG08
BT50-KG08-160	2	3-10	160	38	22	30	KG08
BT50-KG08-200	2	3-10	200	38	22	30	KG08
BT50-KG08-250	2	3-10	250	38	22	30	KG08
BT50-KG08-300	2	3-10	300	38	22	30	KG08
BT50-KG14-105	1	6-14	105	45	28	34	KG14
BT50-KG14-160	2	6-14	160	45	26	34	KG14
BT50-KG14-200	2	6-14	200	45	26	34	KG14
BT50-KG14-250	2	6-14	250	45	26	34	KG14
BT50-KG14-300	2	6-14	300	45	26	34	KG14
BT50-KG20-110	1	10-20	110	50	38	48	KG20
BT50-KG20-160	2	10-20	160	50	38	48	KG20
BT50-KG20-200	2	10-20	200	50	38	48	KG20
BT50-KG20-250	2	10-20	250	50	38	48	KG20
BT50-KG20-300	2	10-20	300	50	38	48	KG20

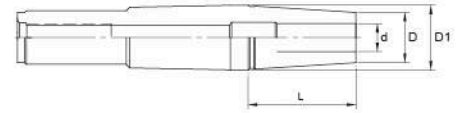
KG(S) 後拉式高精度銑刀夾頭 COLLET CHUCK/KG(S)

MODEL NO.	Fig	Clamping Range	L	L1	D	D1	Collet
BT40-KG08-125-S	3	3-10	125	90	22	32	KG08
BT40-KG08-150-S	3	3-10	150	115	22	32	KG08
BT40-KG08-200-S	3	3-10	200	160	22	32	KG08
BT40-KG14-125-S	3	6-14	125	90	26	34	KG14
BT40-KG14-150-S	3	6-14	150	115	26	34	KG14
BT40-KG14-200-S	3	6-14	200	160	26	34	KG14
BT50-KG08-200-S	3	3-10	200	150	22	35	KG08
BT50-KG08-250-S	3	3-10	250	200	22	35	KG08
BT50-KG08-300-S	3	3-10	300	250	22	35	KG08
BT50-KG08-350-S	3	3-10	350	300	22	35	KG08
BT50-KG14-200-S	3	6-14	200	150	25	38	KG14
BT50-KG14-250-S	3	6-14	250	200	25	38	KG14
BT50-KG14-300-S	3	6-14	300	250	25	38	KG14
BT50-KG20-300-S	3	10-20	300	250	36	48	KG20
BT50-KG20-300-MS	3	10-20	300	250	36	42	KG20
BT50-KG20-400-S	3	10-20	400	350	36	48	KG20
BT50-KG20-400-MS	3	10-20	400	350	36	42	KG20



**KG 後拉式筒夾 COLLET/KG**

MODEL NO.	D	d	L
KG08	14.5	3、4、5、6、7、8、9、10	53
		3.2、3.3、3.5、4.2、4.5、5.5、6.2、6.35、6.8、8.5	
KG14	17.8	6、8、10、12、14	64
KG20	24.6	10、12、16、20	72

**KG 後拉式燒結接桿 SHRINK FIT ADAPTER/KG**

MODEL NO.	d	D	D1	L
KG08-HSL04-25	4	9	14.5	25
KG08-HSL04-45	4	8	14.5	45
KG08-HSL04-65	4	7	16.5	65
KG08-HSL06-25	6	12	14.5	25
KG08-HSL06-45	6	11	14.5	45
KG08-HSL06-65	6	10	16.5	65
KG08-HSL08-30	8	12	14.5	30
KG08-HSL08-45	8	12	16	45
KG14-HSL06-65	6	10	20.5	65
KG14-HSL08-30	8	14	17.5	30
KG14-HSL08-50	8	14	20.2	50
KG14-HSL10-35	10	15	17.5	35
KG14-HSL10-50	10	15	21.5	50
KG14-HSL12-50	12	18	21.5	50

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

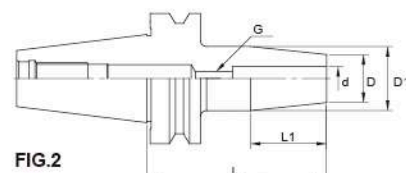
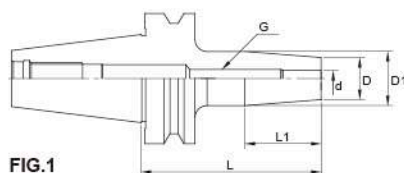
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



HSL 燒結式專用刀桿 SHRINK FIT CHUCK/HSL

MODEL NO.	Fig	d	D	D1	L	L1	G
BT30-HSL04-80	1	4	10	18	80	50	-
BT30-HSL06-80	1	6	21	27	80	38	M8xP1.25
BT30-HSL08-80	1	8	21	27	80	38	M6xP1.0
BT30-HSL10-80	2	10	22	30	80	40	M8xP1.25
BT30-HSL12-80	2	12	24	32	80	40	M10xP1.5
BT40-HSL04-90	1	4	10	18	90	50	-
BT40-HSL06-90	1	6	21	27	90	38	M8xP1.25
BT40-HSL06-120	1	6	21	27	120	36	M8xP1.25
BT40-HSL08-90	1	8	21	27	90	38	M10xP1.5
BT40-HSL08-120	1	8	21	27	120	36	M10xP1.5
BT40-HSL10-90	1	10	24	32	90	50	M12xP1.75
BT40-HSL10-120	1	10	24	32	120	42	M12xP1.75
BT40-HSL12-90	1	12	24	32	90	50	M10xP1.5
BT40-HSL16-90	2	16	27	34	90	45	M12xP1.75
BT40-HSL20-90	2	20	33	42	90	50	M12xP1.75
BT40-HSL25-100	2	25	40	48	100	60	M12xP1.75

HSL(S) 燒結式專用刀桿 SHRINK FIT CHUCK/HSL(S)

MODEL NO.	Fig	d	D	D1	L	L1	G
BT30-HSL06-80-S	1	6	16	24	80	38	M8xP1.25
BT30-HSL08-80-S	1	8	16	24	80	38	M10xP1.5
BT30-HSL10-80-S	1	10	18	26	80	40	M8xP1.25
BT30-HSL12-80-S	1	12	20	28	80	40	M8xP1.25
BT40-HSL06-90-S	1	6	16	24	90	38	M8xP1.25
BT40-HSL06-90-MS	1	6	12	19	90	42	M8xP1.25
BT40-HSL06-120-S	1	6	14	24	120	50	M8xP1.25
BT40-HSL08-90-S	1	8	16	24	90	38	M10xP1.5
BT40-HSL08-90-MS	1	8	14	20	90	42	M10xP1.5
BT40-HSL08-120-S	1	8	16	24	120	50	M10xP1.5
BT40-HSL10-90-S	1	10	18	26	90	50	M12xP1.75
BT40-HSL12-90-S	1	12	20	28	90	50	M10xP1.5
BT50-HSLP10-200	1	10	18	43	200	150	-
BT50-HSLP12-200	1	12	22	47	200	150	-
BT50-HSLP16-160	1	16	26	45	160	110	-
BT50-HSLP16-200	1	16	26	51	200	150	-
BT50-HSLP20-160	1	20	30	49	160	110	-
BT50-HSLP20-200	1	20	30	55	200	150	-
BT50-HSLT12-200	1	12	22	37	200	150	-
BT50-HSLT16-200	1	16	26	41	200	150	-
BT50-HSLT20-200	1	20	30	43	200	150	-

**ER 伸縮攻牙器 RIGID TAP HOLDER/TER**

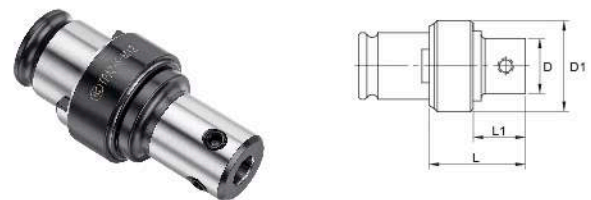
MODEL NO.	Tapping Range	L	D	F1	F2
BT30-TER16-75	M3-M12	75	28	4	8
BT30-TER20-100	M4-M16	100	34	4	8
BT40-TER16-75	M3-M12	75	28	4	8
BT40-TER16-100	M3-M12	100	28	4	8
BT40-TER20-80	M4-M16	80	34	4	8
BT40-TER20-100	M4-M16	100	34	4	8
BT40-TER20-150	M4-M16	150	34	4	8
BT40-TER32-100	M8-M27	100	50	4	10
BT40-TER32-150	M8-M27	150	50	4	10
BT50-TER16-100	M3-M12	100	28	4	8
BT50-TER16-125	M3-M12	125	28	4	8
BT50-TER16-150	M3-M12	150	28	4	8
BT50-TER20-120	M4-M16	120	34	4	8
BT50-TER20-150	M4-M16	150	34	4	8
BT50-TER32-100	M8-M27	100	50	4	10
BT50-TER32-150	M8-M27	150	50	4	10
BT50-TER40-120	M10-M32	120	63	4	10

**DT52 攻牙器 DT52 DRILL TAPER CHUCK**

MODEL NO.	Tapping Range	D	L
BT50-DT52-225	M20-M52	115	225

**TPA 伸縮扭力攻牙器 TENSION & COMPRESSION TAP HOLDER/TPA**

MODEL NO.	Tapping Range	D	L	F1	F2	Collet Type
BT40-TPA316	M3-M16	53	140	10	20	TPA316
BT40-TPA830	M8-M30	68	200	10	25	TPA830
BT50-TPA316-150	M3-M16	53	150	10	20	TPA316
BT50-TPA316-200	M3-M16	53	200	10	20	TPA316
BT50-TPA316-250	M3-M16	53	250	10	20	TPA316
BT50-TPA316-300	M3-M16	53	300	10	20	TPA316
BT50-TPA830	M8-M30	68	200	10	25	TPA830
BT50-TPA830加長型	M8-M30	68	225	10	75	TPA830
BT50-TPA2042	M20-M48	85	230	-	10	TPA2042

**TPA 扭力攻牙筒夾 TAP COLLET**

MODEL NO.	Tap Diameter	D	D1	L	L1
TPA316 筒夾	M3(W1/8)、M4、M5(W3/16)、M6(W1/4)、M8、M10(W3/8)、M12、M14、M16、W5/16、W7/16(PT1/8)、W1/2、W5/8、PT1/4	13-25	34	43	27
TPA830 筒夾	M8、M10(W3/8)、M12、M14、M16、M18(W3/4、PT3/8)、M20、M22(W7/8)、M24、M27(W1、PT5/8)、M30(PT3/4)、W5/16、W7/16(PT1/8)、W1/2、W5/8、W1-1/8、PT1/2、PT1/4	18-36	51	70	53
TPA2042 筒夾	M20、M22、M24、M30、M32、M33、M35(M34)、M36(M38)、M40(M39)、M42、M45、M48、PT3/4、PT1、PT1-1/8、PT1-1/4	32-50	70	86	65

PS: (1)TPA316、TPA830 筒夾，L另有加長50及100。
 (2)D部尺寸，隨著絲攻柄徑尺寸而增加。
 (3)詳細絲攻規格，請查閱目錄末頁。

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

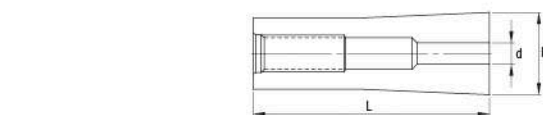
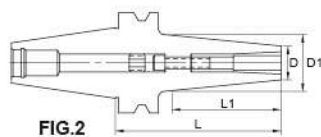
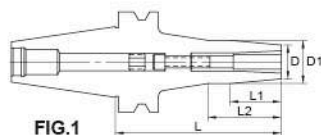
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



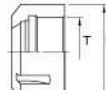
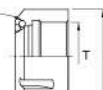
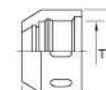
LB 後拉式高精度銑刀夾頭 COLLET CHUCK/LB

MODEL NO.	Clamping Range	Fig	L	L1	L2	D	D1	Collet
BT30-LB06-70	2.6-6	2	70	35	-	14	17.5	LB06
BT30-LB06-70-H	2.6-6	2	70	35	-	16	19	LB06
BT30-LB06-100	2.6-6	1	100	40	50	14	20	LB06
BT30-LB06-125	2.6-6	1	125	40	50	14	20	LB06
BT30-LB06-150	2.6-6	1	150	40	50	14	20	LB06
BT30-LB06-200	2.6-6	1	200	40	50	14	20	LB06
BT30-LB08-70	2.6-8	2	70	35	-	19	21	LB08
BT30-LB12-75	3-12	1	75	52	-	34	-	LB12
BT30-LB12-100	3-12	1	100	48	-	34	40	LB12
BT40-LB06-70	2.6-6	2	70	35	-	14	20	LB06
BT40-LB06-100	2.6-6	1	100	35	45	14	20	LB06
BT40-LB06-100-LH	3-6	1	100	35	43	14	20	LB06-LH
BT40-LB06-100-LHM	3-6	1	100	38	45	14	20	LB06-LH
BT40-LB06-100-LHS	3-6	1	100	45	61	14	19.5	LB06-LH
BT40-LB06-125	2.6-6	1	125	48	65	14.5	21.5	LB06
BT40-LB06-125-LH	3-6	1	125	47	55	14	22	LB06-LH
BT40-LB06-125-LHM	3-6	1	125	50	72	14	22	LB06-LH
BT40-LB06-150	2.6-6	1	150	50	70	14.5	21.5	LB06
BT40-LB08-100	2.6-8	1	100	30	38	19	24	LB08
BT40-LB12-75	3-12	2	75	40	-	34	-	LB12
BT40-LB12-100	3-12	2	100	67	-	34	40	LB12
BT40-LB12-125	3-12	2	125	94	-	34	42	LB12
BT40-LB12-150	3-12	2	150	119	-	34	42	LB12
BT50-LB06-165-LH	3-6	2	165	100	-	14	23	LB06-LH
BT50-LB06-200-LH	3-6	2	200	120	-	14	25	LB06-LH
BT50-LB12-100	3-12	2	100	57	-	34	40	LB12
BT50-LB12-125	3-12	2	125	84	-	34	42	LB12
BT50-LB12-150	3-12	2	150	109	-	34	42	LB12

LB 後拉式筒夾 COLLET/LB

MODEL NO.	常用 d	D	L
LB06	3、3.175、4、5、6	10	38
LB06-LH	3、3.175、4、5、6	10	48
LB08	3、4、5、6、8	13	43
LB12	3、4、5、6、8、10、12	22	64

MODEL NO.	特殊 d	D	L
LB06	2.6、3.2、3.3、3.4、4.3、5.2	10	38
LB06-LH	3.2、3.3、4.2、5.5	10	48
LB08	2.6、3.2、3.4、4.3、5.2、5.5、6.2、6.8	13	43
LB12	7、9、11	22	64

ER/LR
螺帽
CLAMPING
NUT/ER, LR**A TYPE****M TYPE****UM TYPE****R TYPE****KM/RD TYPE****B TYPE****C TYPE**

TYPE	MODEL NO.	D	L	T
A	ER11	19	12	M14xP0.75
	ER16	28	20	M22xP1.5(M19xP1.0)
	ER20	34	22	M25xP1.5(M24xP1.0)
	ER20(M26)	34	22	M26xP1.5

TYPE	MODEL NO.	D	L	T
M	ER11	16	14	M13xP0.75
	ER16	23	19	M19xP1.0
	ER20	29	22	M24xP1.0

TYPE	MODEL NO.	D	L	T
UM	ER25	42	24	M32xP1.5
	ER32	50	25	M40xP1.5
	ER40	63	31	M50xP1.5

TYPE	MODEL NO.	D	L	T
R	ER11	18	13	M14xP0.75
	ER16	22	19	M19xP1.0
	ER20	30	25	M25xP1.5
	ER25	40	24	M32xP1.5

TYPE	MODEL NO.	D	L	T
KM / RD	ER20	36	20	M26xP1.5
	ER32	50	27	M40xP1.5

TYPE	MODEL NO.	D	L	T
B	LR16 (軸承型)	30	22	M23xP1.25
	LR20 (軸承型)	35	25	M27xP1.25
	LR16-S (軸承型)	25	22	M21xP1.0
	LR25 (軸承型)	40	28	M32xP1.5
	ER20 (軸承型)	30	21	M25xP1.25
	ER25 (軸承型)	40	24	M32xP1.5

TYPE	MODEL NO.	D	L	T
C	LR20 (勾型扳手型)	37	25	M27xP1.25
	LR25 (勾型扳手型)	42	29	M32xP1.5
	LR32 (勾型扳手型)	50	30	M40xP1.5
	ER20	37	20	M27xP1.5

**Fig. 1****Fig. 2****Fig. 3****Fig. 4****Fig. 5****Fig. 6****ER/LR 扳手 WRENCH/ER, LR**

TYPE	MODEL NO.	Fig	L	A
A	ER16	1	170	25
	ER20	1	170	30
UM	ER25	2	210	37
	ER32	2	250	46.5
	ER40	2	285	58
M	ER11	3	110	15
	ER16	3	115	22
	ER20	3	130	28
C	ER20	4	190	34
R	ER11	5	105	26
	ER16	5	140	15.2
	ER20	5	155	19
	ER25	5	185	22

TYPE	MODEL NO.	Fig	L	A
B	LR16	6	180	30
	LR20	6	200	35
	LR25	6	200	40
	LR20	4	200	35
C	LR25	4	220	42
	LR32	4	235	50

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series

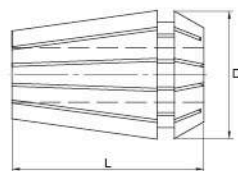
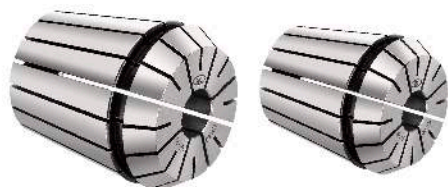


Fig.1

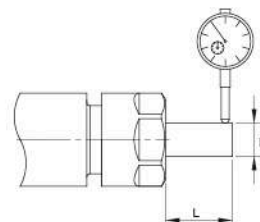


Fig.2

ER 筒夾 SPRING COLLET/ER

ER11		ER20	
MODEL NO.	Range	MODEL NO.	Range
ER11-01	1.0-0.5	ER20-02	2-1
ER11-02	2.0-1.5	ER20-03	3-2
ER11-03	3.0-2.5	ER20-04	4-3
ER11-04	4.0-3.5	ER20-05	5-4
ER11-05	5.0-4.5	ER20-06	6-5
ER11-06	6.0-5.5	ER20-07	7-6
ER11-07	7.0-6.5	ER20-08	8-7
		ER20-09	9-8
ER11-1.5	1.5-1.0	ER20-10	10-9
ER11-2.5	2.5-2.0	ER20-11	11-10
ER11-3.2	3.2-2.7	ER20-12	12-11
ER11-3.5	3.5-3.0	ER20-13	13-12
ER11-4.5	4.5-4.0		
ER11-5.5	5.5-5.0	ER20-1.5	1.5-1.0
ER11-6.5	6.5-6.0	ER20-2.5	2.5-2.0

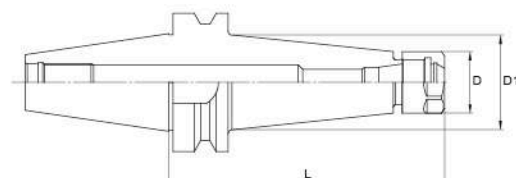
ER16	
MODEL NO.	Range
ER16-01	1.0-0.5
ER16-02	2-1
ER16-03	3-2
ER16-04	4-3
ER16-05	5-4
ER16-06	6-5
ER16-07	7-6
ER16-08	8-7
ER16-09	9-8
ER16-10	10-9
ER16-2.5	2.5-2.0
ER16-3.5	3.5-3.0
ER16-4.5	4.5-4.0
ER16-5.5	5.5-5.0
ER16-6.5	6.5-6.0
ER16-7.5	7.5-7.0
ER16-8.5	8.5-8.0
ER16-9.5	9.5-9.0

ER25	
MODEL NO.	Range
ER25-02	2-1
ER25-03	3-2
ER25-04	4-3
ER25-05	5-4
ER25-06	6-5
ER25-07	7-6
ER25-08	8-7
ER25-09	9-8
ER25-10	10-9
ER25-11	11-10
ER25-12	12-11
ER25-13	13-12
ER25-14	14-13
ER25-15	15-14
ER25-16	16-15

NO.	ER11	ER16	ER20	ER25	ER32	ER40
Fig	1	1	1	1	1	1
D	11.5	17	21	26	33	41
L	18	27	31	35	40	46

Fig	D	L	Concentricity 同心度		
			一般級	G 級	GS 級
2	1.5-2.9	10	0.015	-	-
2	3.0-5.9	16	0.015	0.005	0.003
2	6.0-9.9	25	0.015	0.005	0.003
2	10.0-17.9	40	0.02	0.006	0.003
2	18.0-26.9	50	0.02	0.008	-
2	27.0-34.9	60	0.02	0.01	-

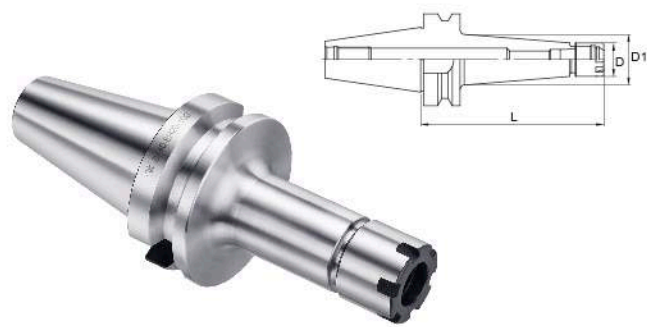
ER32		ER40	
MODEL NO.	Range	MODEL NO.	Range
ER32-03	3-2	ER40-03	3-2
ER32-04	4-3	ER40-04	4-3
ER32-05	5-4	ER40-05	5-4
ER32-06	6-5	ER40-06	6-5
ER32-07	7-6	ER40-07	7-6
ER32-08	8-7	ER40-08	8-7
ER32-09	9-8	ER40-09	9-8
ER32-10	10-9	ER40-10	10-9
ER32-11	11-10	ER40-11	11-10
ER32-12	12-11	ER40-12	12-11
ER32-13	13-12	ER40-13	13-12
ER32-14	14-13	ER40-14	14-13
ER32-15	15-14	ER40-15	15-14
ER32-16	16-15	ER40-16	16-15
ER32-17	17-16	ER40-17	17-16
ER32-18	18-17	ER40-18	18-17
ER32-19	19-18	ER40-19	19-18
ER32-20	20-19	ER40-20	20-19
ER32-21	21-20	ER40-21	21-20
ER32-22	22-21	ER40-22	22-21
		ER40-23	23-22
		ER40-24	24-23
		ER40-25	25-24
		ER40-26	26-25

**ER 銑刀夾頭 SPRING COLLET CHUCK/ER**

MODEL NO.	Clamping Range	L	D	D1
BT30-ER11-60	0.5-7	60	19	-
BT30-ER11-70	0.5-7	70	19	-
BT30-ER11-100	0.5-7	100	19	-
BT30-ER16-60	0.5-10	60	28	-
BT30-ER16-70	0.5-10	70	28	-
BT30-ER16-80	0.5-10	80	28	-
BT30-ER16-100	0.5-10	100	28	-
BT30-ER16-120	0.5-10	120	28	-
BT30-ER20-60	1-13	60	34	-
BT30-ER20-70	1-13	70	34	-
BT30-ER20-80	1-13	80	34	-
BT30-ER20-100	1-13	100	34	-
BT30-ER20-120	1-13	120	34	-
BT30-ER20-135	1-13	135	34	-
BT30-ER25-60	1-16	60	42	-
BT30-ER25-70	1-16	70	42	-
BT30-ER25-80	1-16	80	42	-
BT30-ER25-100	1-16	100	42	-
BT30-ER32-60	2-20	60	50	-
BT30-ER32-70	2-20	70	50	-
BT30-ER32-80	2-20	80	50	-
BT30-ER32-100	2-20	100	50	-
BT30-ER40-70	3-26	70	63	-
BT40-ER11-70	0.5-7	70	19	-
BT40-ER11-100	0.5-7	100	19	-
BT40-ER11-125	0.5-7	125	19	-
BT40-ER16-50	0.5-10	50	28	-
BT40-ER16-70	0.5-10	70	28	-
BT40-ER16-80	0.5-10	80	28	-
BT40-ER16-100	0.5-10	100	28	-

MODEL NO.	Clamping Range	L	D	D1
BT40-ER16-125	0.5-10	125	28	-
BT40-ER16-150	0.5-10	150	28	32
BT40-ER16-200	0.5-10	200	28	34
BT40-ER20-50	1-13	50	34	-
BT40-ER20-70	1-13	70	34	-
BT40-ER20-80	1-13	80	34	-
BT40-ER20-90	1-13	90	34	-
BT40-ER20-100	1-13	100	34	-
BT40-ER20-100-S	1-13	100	30	-
BT40-ER20-125	1-13	125	34	38
BT40-ER20-150	1-13	150	34	40
BT40-ER20-200	1-13	200	34	42
BT40-ER25-70	1-16	70	42	-
BT40-ER25-100	1-16	100	42	-
BT40-ER25-125	1-16	125	42	45
BT40-ER25-150	1-16	150	42	45
BT40-ER25-200	1-16	200	42	50
BT40-ER32-50	2-10	50	50	-
BT40-ER32-70	2-20	70	50	-
BT40-ER32-100	2-20	100	50	-
BT40-ER32-125	2-20	125	50	-
BT40-ER32-150	2-20	150	50	54
BT40-ER32-200	2-20	200	50	54
BT40-ER40-80	3-26	80	63	-
BT40-ER40-100	3-26	100	63	-
BT40-ER40-125	3-26	125	63	-
BT40-ER40-150	3-26	150	63	-
BT40-ER40-200	3-26	200	63	-





ER 銑刀夾頭 SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	L	D	D1
BT50-ER16-100	0.5-10	100	28	-
BT50-ER16-125	0.5-10	125	28	-
BT50-ER16-150	0.5-10	150	28	-
BT50-ER16-150-T	0.5-10	150	28	32
BT50-ER16-200	0.5-10	200	28	36
BT50-ER16-250	0.5-10	250	28	36
BT50-ER20-100	1-13	100	34	-
BT50-ER20-125	1-13	125	34	-
BT50-ER20-150	1-13	150	34	-
BT50-ER20-150-T	1-13	150	34	40
BT50-ER20-200	1-13	200	34	-
BT50-ER20-200-T	1-13	200	34	42
BT50-ER20-250	1-13	250	34	48
BT50-ER20-300	1-13	300	34	48
BT50-ER20-350	1-13	350	34	-
BT50-ER20-350-T	1-13	350	34	48
BT50-ER25-65	1-16	65	42	-
BT50-ER25-100	1-16	100	42	-
BT50-ER25-125	1-16	125	42	-
BT50-ER25-150	1-16	150	42	-
BT50-ER25-200	1-16	200	42	-
BT50-ER25-200-T	1-16	200	42	46
BT50-ER25-250	1-16	250	42	46
BT50-ER25-300	1-16	300	42	50
BT50-ER25-350	1-16	350	42	55
BT50-ER32-80	2-20	80	50	-
BT50-ER32-100	2-20	100	50	-
BT50-ER32-125	2-20	125	50	-
BT50-ER32-150	2-20	150	50	-
BT50-ER32-200	2-20	200	50	-
BT50-ER32-200-T	2-20	200	50	55
BT50-ER32-250	2-20	250	50	58
BT50-ER32-300	2-20	300	50	58
BT50-ER32-350	2-20	350	50	60
BT50-ER32-400	2-20	400	50	60
BT50-ER40-80	3-26	80	63	-
BT50-ER40-100	3-26	100	63	-
BT50-ER40-125	3-26	125	63	-
BT50-ER40-150	3-26	150	63	-
BT50-ER40-200	3-26	200	63	-

ER-M 銑刀夾頭 SPRING COLLET CHUCK/ER-M

MODEL NO.	Clamping Range	L	D	D1
BT30-ER11-60-M	0.5-7	60	16	-
BT30-ER11-70-M	0.5-7	70	16	-
BT30-ER11-100-M	0.5-7	100	16	20
BT30-ER11-150-M	0.5-7	150	16	23
BT30-ER16-60-M	0.5-10	60	23	-
BT30-ER16-70-M	0.5-10	70	23	-
BT30-ER16-80-M	0.5-10	80	23	-
BT30-ER16-100-M	0.5-10	100	23	-
BT30-ER20-60-M	1-13	60	29	-
BT30-ER20-70-M	1-13	70	29	-
BT30-ER20-80-M	1-13	80	29	-
BT30-ER20-100-M	1-13	100	29	32
BT40-ER11-70-M	0.5-7	70	16	-
BT40-ER11-100-M-T	0.5-7	100	16	21
BT40-ER11-100-M	0.5-7	100	16	-
BT40-ER11-125-M	0.5-7	125	16	21
BT40-ER16-70-M	0.5-10	70	23	-
BT40-ER16-100-M	0.5-10	100	23	-
BT40-ER16-125-M	0.5-10	125	23	25
BT40-ER16-150-M	0.5-10	150	23	28
BT40-ER20-70-M	1-13	70	29	-
BT40-ER20-100-M	1-13	100	29	-
BT40-ER20-125-M	1-13	125	29	35
BT40-ER20-150-M	1-13	150	29	35
BT50-ER16-150-M	0.5-10	150	23	28
BT50-ER16-200-M	0.5-10	200	23	28
BT50-ER20-100-M	1-13	100	29	-
BT50-ER20-125-M	1-13	125	29	-
BT50-ER20-150-M	1-13	150	29	32
BT50-ER20-200-M	1-13	200	29	36



P11-ER Collet



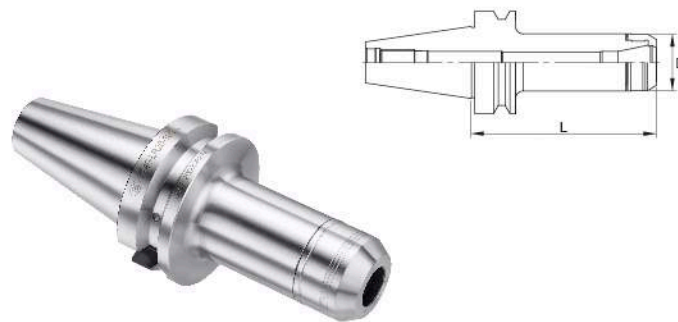
P10-ER Wrench



P10-ER Nut

**SCA 側銑刀架 SIDE CUTTER HOLDER/SCA**

MODEL NO.	D	D1	L	L1	L2	W	G
BT40-SCA25.4-75	25.4	40	75	25	27	6.35	1"x W16
BT40-SCA25.4-120	25.4	40	120	25	27	6.35	1"x W16
BT40-SCA25.4-150	25.4	40	150	25	27	6.35	1"x W16
BT40-SCA25.4-180	25.4	40	180	25	27	6.35	1"x W16
BT50-SCA25.4-90	25.4	40	90	25	27	6.35	1"x W16
BT50-SCA25.4-135	25.4	40	135	25	27	6.35	1"x W16
BT50-SCA25.4-150	25.4	40	150	25	27	6.35	1"x W16
BT50-SCA25.4-180	25.4	40	180	25	27	6.35	1"x W16

**LR 整數柄ER銑刀夾頭 INTEGER HANDLE COLLET CHUCK/LR**

MODEL NO.	Clamping Range	L	D	Collet
BT30-LR16-70	1-10	70	30	ER16
BT30-LR16-80	1-10	80	30	ER16
BT30-LR16-100	1-10	100	30	ER16
BT30-LR20-70	2-13	70	35	ER20
BT30-LR20-80	2-13	80	35	ER20
BT30-LR20-100	2-13	100	35	ER20
BT30-LR25-70	2-16	70	42	ER25
BT30-LR32-60	3-20	60	50	ER32
BT40-LR16-70	1-10	70	30	ER16
BT40-LR16-100	1-10	100	30	ER16
BT40-LR20-70	2-13	70	35	ER20
BT40-LR20-100	2-13	100	35	ER20
BT40-LR25-70	2-16	70	42	ER25
BT40-LR25-100	2-16	100	42	ER25
BT40-LR32-70	3-20	70	50	ER32
BT40-LR32-100	3-20	100	50	ER32
BT50-LR16-150	1-10	150	30	ER16
BT50-LR20-100	2-13	100	35	ER20
BT50-LR20-150	2-13	150	35	ER20
BT50-LR20-200	2-13	200	35	ER20
BT50-LR20-250	2-13	250	35	ER20
BT50-LR20-300	2-13	300	35	ER20
BT50-LR25-100	2-16	100	42	ER25
BT50-LR25-125	2-16	125	42	ER25
BT50-LR25-150	2-16	150	42	ER25
BT50-LR25-200	2-16	200	42	ER25
BT50-LR32-100	3-20	100	50	ER32
BT50-LR32-150	3-20	150	50	ER32
BT50-LR32-200	3-20	200	50	ER32
BT50-LR32-250	3-20	250	50	ER32
BT50-LR32-300	3-20	300	50	ER32

PS: LR20,LR25有勾型螺帽及軸承型螺帽可選用。



P11-ER Collet



P10-LR Wrench



P10-LR Nut

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

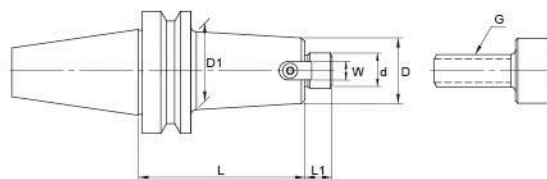
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series

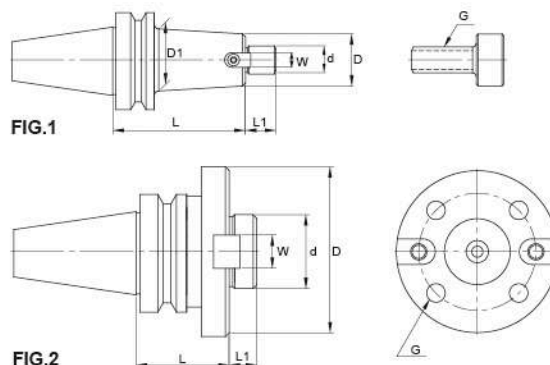


FMA 平面銑刀柄 FACE MILL A TYPE/FMA

MODEL NO.	L	L1	d	D	D1	W	G
BT30-FMA25.4-45	45	19	25.4	45	-	9.5	M12
BT30-FMA25.4-60	60	19	25.4	45	-	9.5	M12
BT40-FMA25.4-45	45	19	25.4	55	-	9.5	M12
BT40-FMA25.4-60	60	19	25.4	55	-	9.5	M12
BT40-FMA25.4-75	75	19	25.4	55	57	9.5	M12
BT40-FMA25.4-90	90	19	25.4	55	57	9.5	M12
BT40-FMA25.4-105	105	19	25.4	56	58	9.5	M12
BT40-FMA25.4-125	125	19	25.4	56	58	9.5	M12
BT40-FMA25.4-150	150	19	25.4	56	58	9.5	M12
BT40-FMA25.4-200	200	19	25.4	56	58	9.5	M12
BT40-FMA31.75-45	45	21	31.75	60	-	12.7	M12
BT40-FMA31.75-60	60	21	31.75	60	-	12.7	M12
BT40-FMA31.75-75	75	21	31.75	60	-	12.7	M12
BT40-FMA31.75-90	90	21	31.75	60	-	12.7	M12
BT40-FMA31.75-105	105	21	31.75	60	-	12.7	M12
BT40-FMA31.75-125	125	21	31.75	60	-	12.7	M12
BT40-FMA31.75-150	150	21	31.75	60	-	12.7	M12
BT40-FMA38.1-60	60	23	38.1	78	-	15.9	M16
BT50-FMA25.4-45	45	19	25.4	63	-	9.5	M12
BT50-FMA25.4-60	60	19	25.4	58	-	9.5	M12
BT50-FMA25.4-75	75	19	25.4	58	-	9.5	M12
BT50-FMA25.4-90	90	19	25.4	58	-	9.5	M12
BT50-FMA25.4-105	105	19	25.4	60	-	9.5	M12
BT50-FMA25.4-125	125	19	25.4	60	-	9.5	M12
BT50-FMA25.4-150	150	19	25.4	60	-	9.5	M12
BT50-FMA25.4-175	175	19	25.4	60	-	9.5	M12
BT50-FMA25.4-200	200	19	25.4	59	61	9.5	M12

MODEL NO.	L	L1	d	D	D1	W	G
BT50-FMA25.4-225	225	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-250	250	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-275	275	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-300	300	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-350	350	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-400	400	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-450	450	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-500	500	19	25.4	59	61	9.5	M12
* BT50-FMA25.4-600	600	19	25.4	59	61	9.5	M12
BT50-FMA31.75-45	45	21	31.75	76	-	12.7	M16
BT50-FMA31.75-75	75	21	31.75	70	-	12.7	M16
BT50-FMA31.75-90	90	21	31.75	70	-	12.7	M16
BT50-FMA31.75-105	105	21	31.75	70	-	12.7	M16
BT50-FMA31.75-125	125	21	31.75	71	73	12.7	M16
BT50-FMA31.75-150	150	21	31.75	71	73	12.7	M16
BT50-FMA31.75-175	175	21	31.75	71	73	12.7	M16
* BT50-FMA31.75-200	200	21	31.75	71	73	12.7	M16
* BT50-FMA31.75-225	225	21	31.75	70	73	12.7	M16
* BT50-FMA31.75-250	250	21	31.75	72	74	12.7	M16
* BT50-FMA31.75-275	275	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-300	300	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-325	325	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-350	350	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-375	375	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-400	400	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-450	450	21	31.75	82	86	12.7	M16
* BT50-FMA31.75-500	500	21	31.75	80	85	12.7	M16
* BT50-FMA31.75-600	600	21	31.75	80	85	12.7	M16

*:為減重設計。

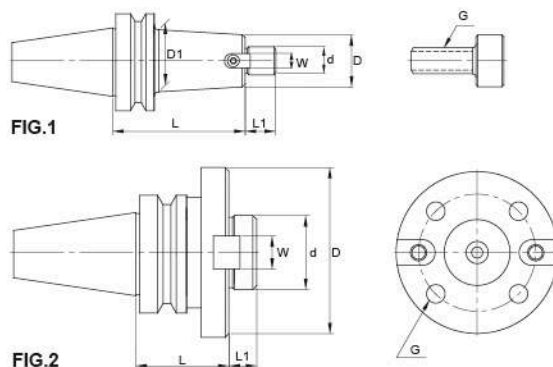
**FMA 平面銑刀柄 FACE MILL A TYPE/FMA**

MODEL NO.	Fig	L	L1	d	D	D1	W	G
BT50-FMA38.1-45	1	45	23	38.1	85	-	15.9	M16
BT50-FMA38.1-75	1	75	23	38.1	85	-	15.9	M16
BT50-FMA38.1-105	1	105	23	38.1	85	-	15.9	M16
BT50-FMA38.1-125	1	125	23	38.1	82	85	15.9	M16
BT50-FMA38.1-150	1	150	23	38.1	82	85	15.9	M16
BT50-FMA38.1-200	1	200	23	38.1	82	85	15.9	M16
BT50-FMA50.8-45	1	45	24	50.8	97	-	19	M16
BT50-FMA50.8-75	1	75	24	50.8	97	-	19	M16
BT50-FMA50.8-105	1	105	24	50.8	97	-	19	M16
BT50-FMA50.8-125	1	125	24	50.8	97	-	19	M16
BT50-FMA50.8-150	1	150	24	50.8	97	-	19	M16
* BT50-FMA50.8-200	1	200	24	50.8	100	-	19	M16
* BT50-FMA50.8-250	1	250	24	50.8	100	-	19	M16
* BT50-FMA50.8-300	1	300	24	50.8	100	-	19	M16
BT50-FMA47.625-75	2	75	32	47.625	128	-	25.4	M16

MODEL NO.	Fig	L	L1	d	D	D1	W	G
BT50-FMA25.4-150-H	1	150	19	25.4	70	75	9.5	M12
BT50-FMA25.4-200-LH	1	200	19	25.4	74	-	9.5	M12
BT50-FMA25.4-250-LH	1	250	19	25.4	74	-	9.5	M12
* BT50-FMA25.4-300-LH	1	300	19	25.4	74	-	9.5	M12
* BT50-FMA25.4-350-LH	1	350	19	25.4	74	-	9.5	M12
* BT50-FMA25.4-400-LH	1	400	19	25.4	74	-	9.5	M12
* BT50-FMA25.4-450-LH	1	450	19	25.4	74	-	9.5	M12
* BT50-FMA25.4-500-LH	1	500	19	25.4	74	-	9.5	M12
BT50-FMA25.4-200-MH	1	200	19	25.4	62	70	9.5	M12
BT50-FMA25.4-250-MH	1	250	19	25.4	62	73	9.5	M12
BT50-FMA25.4-300-MH	1	300	19	25.4	62	73	9.5	M12
* BT50-FMA25.4-350-MH	1	350	19	25.4	62	73	9.5	M12
* BT50-FMA25.4-400-MH	1	400	19	25.4	62	73	9.5	M12
* BT50-FMA25.4-450-MH	1	450	19	25.4	62	73	9.5	M12
* BT50-FMA25.4-500-MH	1	500	19	25.4	62	73	9.5	M12

MODEL NO.	Fig	L	L1	d	D	D1	W	G
BT50-FMA25.4-75-S	1	75	19	25.4	49	53	9.5	M12
BT50-FMA25.4-90-S	1	90	19	25.4	49	53	9.5	M12
BT50-FMA25.4-105-S	1	105	19	25.4	51	53	9.5	M12
BT50-FMA25.4-125-S	1	125	19	25.4	51	53	9.5	M12
BT50-FMA25.4-150-S	1	150	19	25.4	51	53	9.5	M12
BT50-FMA25.4-175-S	1	175	19	25.4	51	53	9.5	M12
BT50-FMA25.4-250-S	1	250	19	25.4	51	55	9.5	M12
BT50-FMA25.4-75-MS	1	75	19	25.4	46	-	9.5	M12
BT50-FMA25.4-90-MS	1	90	19	25.4	46	-	9.5	M12
BT50-FMA25.4-105-MS	1	105	19	25.4	46	-	9.5	M12
BT50-FMA25.4-125-MS	1	125	19	25.4	46	-	9.5	M12
BT50-FMA25.4-150-MS	1	150	19	25.4	46	-	9.5	M12
BT50-FMA25.4-175-MS	1	175	19	25.4	46	-	9.5	M12
BT50-FMA25.4-200-MS	1	200	19	25.4	46	-	9.5	M12
BT50-FMA25.4-225-MS	1	225	19	25.4	46	-	9.5	M12
BT50-FMA25.4-250-MS	1	250	19	25.4	46	-	9.5	M12
BT50-FMA25.4-75-LS	1	75	19	25.4	48	-	9.5	M12
BT50-FMA25.4-90-LS	1	90	19	25.4	48	-	9.5	M12
BT50-FMA25.4-105-LS	1	105	19	25.4	48	-	9.5	M12
BT50-FMA25.4-125-LS	1	125	19	25.4	48	-	9.5	M12
BT50-FMA25.4-150-LS	1	150	19	25.4	48	-	9.5	M12
BT50-FMA25.4-175-LS	1	175	19	25.4	48	-	9.5	M12
BT50-FMA25.4-200-LS	1	200	19	25.4	48	-	9.5	M12
BT50-FMA25.4-225-LS	1	225	19	25.4	48	-	9.5	M12
BT50-FMA25.4-250-LS	1	250	19	25.4	48	-	9.5	M12
BT50-FMA25.4-300-LS	1	300	19	25.4	48	-	9.5	M12
BT50-FMA31.75-75-S	1	75	21	31.75	63	-	12.7	M16
BT50-FMA31.75-105-S	1	105	21	31.75	61	63	12.7	M16
BT50-FMA31.75-125-S	1	125	21	31.75	61	63	12.7	M16
BT50-FMA31.75-150-S	1	150	21	31.75	61	63	12.7	M16
BT50-FMA31.75-175-S	1	175	21	31.75	61	63	12.7	M16
BT50-FMA31.75-200-S	1	200	21	31.75	61	63	12.7	M16
BT50-FMA31.75-225-S	1	225	21	31.75	61	63	12.7	M16
* BT50-FMA31.75-200-H	1	200	21	31.75	82	85	12.7	M16
* BT50-FMA31.75-225-H	1	225	21	31.75	82	85	12.7	M16
* BT50-FMA31.75-250-H	1	250	21	31.75	82	85	12.7	M16

* : 為減重設計。

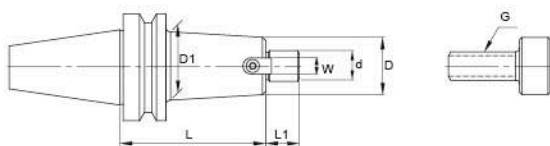


FMB 平面銑刀柄 FACE MILL B TYPE/FMB

MODEL NO.	Fig	L	L1	d	D	D1	W	G
BT30-FMB16-45	1	45	17	16	32	-	8	M8
BT30-FMB22-45	1	45	18	22	45	-	10	M10
BT30-FMB22-60	1	60	18	22	45	-	10	M10
BT30-FMB27-45	1	45	20	27	45	-	12	M12
BT30-FMB27-60	1	60	20	27	45	-	12	M12
BT40-FMB22-45	1	45	18	22	45	-	10	M10
BT40-FMB22-60	1	60	18	22	45	-	10	M10
BT40-FMB22-75	1	75	18	22	45	48	10	M10
BT40-FMB22-90	1	90	18	22	47	50	10	M10
BT40-FMB22-105	1	105	18	22	47	50	10	M10
BT40-FMB22-125	1	125	18	22	47	50	10	M10
BT40-FMB22-150	1	150	18	22	47	49	10	M10
BT40-FMB22-200	1	200	18	22	47	49	10	M10
BT40-FMB27-45	1	45	20	27	55	-	12	M12
BT40-FMB27-60	1	60	20	27	55	-	12	M12
BT40-FMB27-75	1	75	20	27	58	60	12	M12
BT40-FMB27-90	1	90	20	27	58	60	12	M12
BT40-FMB27-105	1	105	20	27	58	60	12	M12
BT40-FMB27-150-LS	1	150	20	27	58	-	12	M12
BT40-FMB32-45	1	45	21	32	60	-	14	M16
BT40-FMB32-60	1	60	21	32	60	-	14	M16
BT40-FMB32-75	1	75	21	32	60	-	14	M16
BT40-FMB32-90	1	90	21	32	60	-	14	M16
BT40-FMB32-105	1	105	21	32	60	-	14	M16
* BT40-FMB32-150	1	150	21	43	76	-	14	M16
BT40-FMB40-60	1	60	21	40	78	-	15.9	M16
BT50-FMB16-125	1	125	17	16	38	-	8	M8
BT50-FMB16-150	1	150	17	16	38	-	8	M8
BT50-FMB16-200	1	200	17	16	38	-	8	M8
BT50-FMB16-250	1	250	17	16	38	-	8	M8
BT50-FMB22-60	1	60	18	22	45	-	10	M10
BT50-FMB22-75	1	75	18	22	45	48	10	M10
BT50-FMB22-90	1	90	18	22	45	-	10	M10
BT50-FMB22-105	1	105	18	22	47	49	10	M10
BT50-FMB22-125	1	125	18	22	47	49	10	M10

MODEL NO.	Fig	L	L1	d	D	D1	W	G
BT50-FMB22-150	1	150	18	22	47	49	10	M10
BT50-FMB22-175	1	175	18	22	47	49	10	M10
BT50-FMB22-200	1	200	18	22	47	49	10	M10
BT50-FMB22-225	1	225	18	22	47	49	10	M10
BT50-FMB22-250	1	250	18	22	47	49	10	M10
BT50-FMB22-300	1	300	18	22	47	49	10	M10
BT50-FMB22-350	1	350	18	22	47	49	10	M10
* BT50-FMB22-400	1	400	18	22	45	50	10	M10
* BT50-FMB22-450	1	450	18	22	45	50	10	M10
BT50-FMB27-45	1	45	20	27	70	-	12	M12
BT50-FMB27-60	1	60	20	27	60	-	12	M12
BT50-FMB27-75	1	75	20	27	60	-	12	M12
BT50-FMB27-90	1	90	20	27	60	63	12	M12
BT50-FMB27-105	1	105	20	27	60	62	12	M12
BT50-FMB27-125	1	125	20	27	60	63	12	M12
BT50-FMB27-150	1	150	20	27	60	63	12	M12
BT50-FMB27-200	1	200	20	27	60	62	12	M12
BT50-FMB27-250	1	250	20	27	60	65	12	M12
BT50-FMB27-300	1	300	20	27	60	62	12	M12
BT50-FMB32-60	1	60	21	32	70	-	14	M16
BT50-FMB32-75	1	75	21	32	70	-	14	M16
BT50-FMB32-90	1	90	21	32	70	-	14	M16
BT50-FMB32-105	1	105	21	32	70	73	14	M16
BT50-FMB32-125	1	125	21	32	70	73	14	M16
BT50-FMB32-150	1	150	21	32	70	73	14	M16
BT50-FMB32-200	1	200	21	32	70	73	14	M16
* BT50-FMB32-250	1	250	21	32	72	74	14	M16
BT50-FMB40-60	1	60	21	40	80	-	16	M16
BT50-FMB40-75	1	75	21	40	80	-	16	M16
BT50-FMB40-75-F	2	75	21	40	90	-	16	M12
BT50-FMB40-90	1	90	21	40	80	-	16	M16
BT50-FMB40-105	1	105	21	40	80	-	16	M16
BT50-FMB40-125	1	125	21	40	81	85	16	M16
BT50-FMB40-150	1	150	21	40	81	85	16	M16
BT50-FMB60-75	2	75	32	60	128	-	25.4	M16

*: 為減重設計。

**FMB 平面銑刀柄 FACE MILL B TYPE/FMB**

MODEL NO.	L	L1	d	D	D1	W	G
BT50-FMB22-105-H	105	18	22	58	62	10	M10
BT50-FMB22-150-H	150	18	22	58	62	10	M10
BT50-FMB22-200-H	200	18	22	58	62	10	M10
BT50-FMB22-250-H	250	18	22	58	62	10	M10
BT50-FMB22-300-H	300	18	22	58	62	10	M10
BT50-FMB22-350-H	350	18	22	58	62	10	M10
* BT50-FMB22-400-H	400	18	22	58	62	10	M10
* BT50-FMB22-450-H	450	18	22	58	62	10	M10
* BT50-FMB22-500-H	500	18	22	58	62	10	M10
* BT50-FMB22-600-H	600	18	22	58	62	10	M10
BT50-FMB22-150-T	150	18	22	49	54	10	M10
BT50-FMB22-175-T	175	18	22	49	55	10	M10
BT50-FMB22-200-T	200	18	22	49	56	10	M10
BT50-FMB22-250-T	250	18	22	49	59	10	M10
BT50-FMB22-300-T	300	18	22	49	62	10	M10
BT50-FMB22-350-T	350	18	22	49	62	10	M10
BT50-FMB22-400-T	400	18	22	49	70	10	M10
BT50-FMB22-450-T	450	18	22	49	70	10	M10
BT50-FMB22-105-LS	105	18	22	48	-	10	M10
BT50-FMB22-125-LS	125	18	22	48	-	10	M10
BT50-FMB22-150-LS	150	18	22	48	-	10	M10
BT50-FMB22-175-LS	175	18	22	48	-	10	M10
BT50-FMB22-200-LS	200	18	22	48	-	10	M10
BT50-FMB22-250-LS	250	18	22	48	-	10	M10
* BT50-FMB22-400-LS	400	18	22	48	-	10	M10
* BT50-FMB22-500-LS	500	18	22	48	-	10	M10
BT50-FMB22-105-MS	105	18	22	40	-	10	M10
BT50-FMB22-125-MS	125	18	22	40	-	10	M10
BT50-FMB22-150-MS	150	18	22	40	-	10	M10
BT50-FMB27-150-LS	150	20	27	58	-	12	M12
BT50-FMB32-150-LS	150	21	32	76	-	14	M12
* BT50-FMB32-250-H	250	21	32	82	86	14	M16

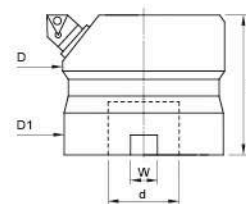
*:為減重設計。

搪孔刀頭**FACE MILL A&B TYPE TRANSFER BORING BLOCK**

1. 不用再添置刀桿，配合於各種長度 FMB22 / FMA25.4 / FMA31.75，以節省成本。
2. 可用於各種面銑刀桿作各式搪孔。
3. FMA31.75至少有三種尺寸(D)可選擇，搪孔範圍大，配合BSS也可做精搪。

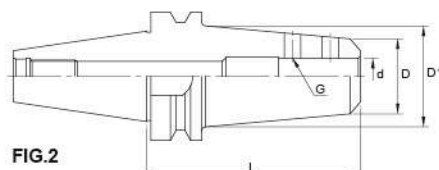
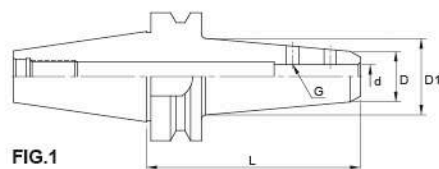
MODEL NO.	d	D	H	W	G
FMB22-BOR55	22	55	50	16	M6
FMA25.4-BOR66	25.4	66	57	16	M8
FMA31.75-BOR82	31.75	82	68	19	M12
FMA31.75-BOR100	31.75	100	68	19	M12
FMA31.75-BOR118	31.75	118	68	19	M12

備註：BOR100、BOR118可利用4個M6螺絲鎖緊壓板。

**精搪孔刀頭****FACE MILL A TYPE TRANSFER FINE BORING BLOCK**

1. 不用再添置刀桿，配合於各種長度面銑刀桿，以節省成本。
2. 可用於各種面銑刀桿作各式粗搪及精搪。

MODEL NO.	d	D	D1	H	Boring Head
FMA25.4-MBR62	25.4	58	57	50	L148C-31
FMA25.4-MBR72	25.4	68	57	50	L148C-31

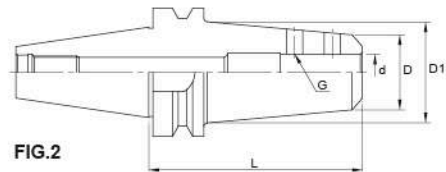
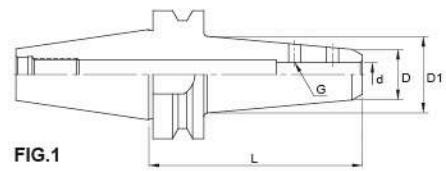


SLA 側固式立銑刀柄

MODEL NO.	Fig	d	D	D1	L	G
BT30-SLA6-60	1	6	25	-	60	M6
BT30-SLA8-60	1	8	30	-	60	M8
BT30-SLA10-60	2	10	34	-	60	M8
BT30-SLA12-60	2	12	38	-	60	M10
BT30-SLA16-70	2	16	45	-	70	M10
BT30-SLA20-75	2	20	45	-	75	M12
BT30-SLA25-75	2	25	48	-	75	M12
BT40-SLA6-75	1	6	25	-	75	M6
BT40-SLA6-90	1	6	25	-	90	M6
BT40-SLA6-105	1	6	18	25	105	M6
BT40-SLA6-120	1	6	18	25	120	M6
BT40-SLA6-150	1	6	18	28	150	M6
BT40-SLA8-75	1	8	30	-	75	M8
BT40-SLA8-90	1	8	28	-	90	M8
BT40-SLA8-105	1	8	25	30	105	M8
BT40-SLA8-120	1	8	25	30	120	M8
BT40-SLA8-150	1	8	24	30	150	M8
BT40-SLA10-75	1	10	34	-	75	M8
BT40-SLA10-90	1	10	34	-	90	M8
BT40-SLA10-105	1	10	30	34	105	M8
BT40-SLA10-120	1	10	30	34	120	M8
BT40-SLA10-150	1	10	30	34	150	M8
BT40-SLA12-75	1	12	38	-	75	M10
BT40-SLA12-90	1	12	38	-	90	M10
BT40-SLA12-105	1	12	35	40	105	M10
BT40-SLA12-120	1	12	35	40	120	M10
BT40-SLA12-150	1	12	34	40	150	M10
BT40-SLA16-75	2	16	45	-	75	M10
BT40-SLA16-90	2	16	45	-	90	M10
BT40-SLA16-120	2	16	40	45	120	M10

SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	Fig	d	D	D1	L	G
BT40-SLA16-150	2	16	40	45	150	M10
BT40-SLA20-90	2	20	50	-	90	M12
BT40-SLA20-120	2	20	50	-	120	M12
BT40-SLA20-150	2	20	45	50	150	M12
BT40-SLA20-200	2	20	43	50	200	M12
BT40-SLA25-90	2	25	57	-	90	M16
BT40-SLA25-120	2	25	57	-	120	M16
BT40-SLA25-150	2	25	55	60	150	M16
BT40-SLA25-200	2	25	55	60	200	M16
BT40-SLA32-90	2	32	60	-	90	M16
BT40-SLA32-120	2	32	60	-	120	M16
BT40-SLA32-150	2	32	60	-	150	M16
BT40-SLA32-200	2	32	60	-	200	M16
BT40-SLA40-105	2	40	72	-	105	M16
BT40-SLA42-105	2	42	72	-	105	M16
BT50-SLA6-105	1	6	25	-	105	M6
BT50-SLA6-150	1	6	20	28	150	M6
BT50-SLA6-200	1	6	20	32	200	M6
BT50-SLA8-105	1	8	28	-	105	M8
BT50-SLA8-150	1	8	25	30	150	M8
BT50-SLA8-200	1	8	25	35	200	M8
BT50-SLA10-105	1	10	34	-	105	M8
BT50-SLA10-150	1	10	30	36	150	M8
BT50-SLA10-200	1	10	30	40	200	M8
BT50-SLA10-250	1	10	30	45	250	M8
BT50-SLA12-105	1	12	40	-	105	M10
BT50-SLA12-150	1	12	35	40	150	M10
BT50-SLA12-200	1	12	35	45	200	M10
BT50-SLA12-250	1	12	35	45	250	M10

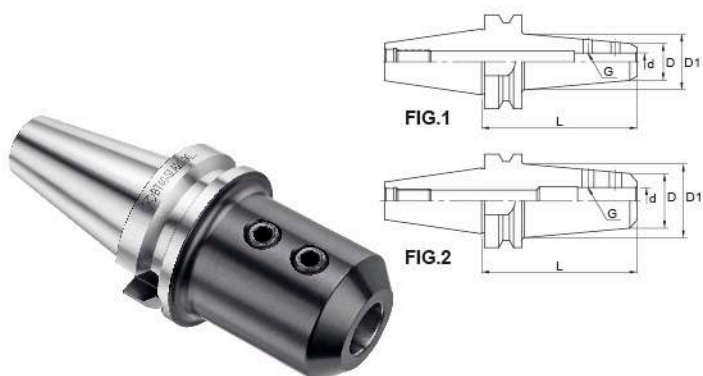
**SLA 側固式立銑刀柄**

MODEL NO.	Fig	d	D	D1	L	G
BT50-SLA14-105	1	14	40	-	105	M10
BT50-SLA16-105	1	16	45	-	105	M10
BT50-SLA16-150	1	16	40	45	150	M10
BT50-SLA16-200	1	16	40	50	200	M10
BT50-SLA16-250	1	16	40	50	250	M10
BT50-SLA16-300	1	16	40	50	300	M10
BT50-SLA18-105	1	18	45	-	105	M10
BT50-SLA20-105	1	20	50	-	105	M12
BT50-SLA20-150	1	20	45	50	150	M12
BT50-SLA20-200	1	20	45	55	200	M12
BT50-SLA20-250	1	20	45	55	250	M12
BT50-SLA20-300	1	20	45	55	300	M12
BT50-SLA20-350	1	20	45	55	350	M12
BT50-SLA25-105	2	25	58	-	105	M16
BT50-SLA25-150	2	25	55	60	150	M16
BT50-SLA25-200	2	25	55	62	200	M16
BT50-SLA25-250	2	25	55	62	250	M16
BT50-SLA25-300	2	25	55	62	300	M16
BT50-SLA25-350	2	25	55	62	350	M16
BT50-SLA32-105	2	32	62	-	105	M16
BT50-SLA32-150	2	32	62	-	150	M16
BT50-SLA32-200	2	32	60	62	200	M16
BT50-SLA32-250	2	32	60	62	250	M16
BT50-SLA32-300	2	32	60	62	300	M16
BT50-SLA32-350	2	32	60	62	350	M16
BT50-SLA40-120	2	40	78	-	120	M20
BT50-SLA40-150	2	40	78	-	150	M20
BT50-SLA40-200	2	40	78	-	200	M20
BT50-SLA40-250	2	40	78	-	250	M20
BT50-SLA42-120	2	42	80	-	120	M20
BT50-SLA42-150	2	42	80	-	150	M20

SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	Fig	d	D	D1	L	G
BT50-SLA42-200	2	42	80	-	200	M20
BT50-SLA42-250	2	42	80	-	250	M20
BT50-SLA50-120	2	50	95	-	120	M20
BT50-SLA50.8-121	2	50.8	95	-	121	M20
BT50-SLA50.8-160	2	50.8	95	-	160	M20
BT50-SLA50.8-165	2	50.8	95	-	165	M20
BT50-SLA12-150-M	1	12	30	35	150	M10
BT50-SLA12-200-M	1	12	30	40	200	M10
BT50-SLA16-105-M	1	16	40	-	105	M10
BT50-SLA16-105-M	1	16	40	-	105	M10
BT50-SLA16-150-M	1	16	35	40	150	M10
BT50-SLA16-200-M	1	16	35	45	200	M10
BT50-SLA16-250-M	1	16	35	45	250	M10
BT50-SLA20-105-M	1	20	48	-	105	M12
BT50-SLA20-150-M	1	20	40	45	150	M12
BT50-SLA20-200-M	1	20	40	50	200	M12
BT50-SLA20-250-M	1	20	40	50	250	M12
BT50-SLA20-300-M	1	20	40	50	300	M12
BT50-SLA20-350-M	1	20	40	50	350	M12
BT50-SLA25-105-M	2	25	52	-	105	M16
BT50-SLA25-150-M	2	25	50	55	150	M16
BT50-SLA25-200-M	2	25	50	60	200	M16
BT50-SLA25-250-M	2	25	50	60	250	M16
BT50-SLA25-300-M	2	25	50	60	300	M16
BT50-SLA25-350-M	2	25	50	60	350	M16
BT50-SLA32-105-M	2	32	55	-	105	M16
BT50-SLA32-200-M	2	32	55	65	200	M16
BT50-SLA32-250-M	2	32	55	62	250	M16
BT50-SLA32-300-M	2	32	55	65	300	M16
BT50-SLA32-350-M	2	32	55	65	350	M16

*:BT50-SLA50.8全系列內孔附插銷



SLA 側固式立銑刀柄 SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	Fig.	d	D	D1	L	G
BT50-SLA12-150-S	1	12	25	30	150	M8
BT50-SLA12-200-S	1	12	25	35	200	M8
BT50-SLA16-150-S	1	16	30	35	150	M10
BT50-SLA16-200-S	1	16	30	40	200	M10
BT50-SLA20-150-S	1	20	35	40	150	M10
BT50-SLA20-250-S	1	20	35	45	250	M10
BT50-SLA20-300-S	2	20	35	45	300	M10
BT50-SLA25-150-S	2	25	45	50	150	M12
BT50-SLA25-200-S	2	25	45	55	200	M12
BT50-SLA25-250-S	2	25	45	55	250	M12
BT50-SLA25-300-S	2	25	45	55	300	M12
BT50-SLA32-150-S	2	32	50	55	150	M12
BT50-SLA32-250-S	2	32	50	60	250	M12
BT50-SLA32-300-S	2	32	50	60	300	M12
BT50-SLA16-250-T	1	16	30	45	250	M10
BT50-SLA20-200-T	1	20	35	45	200	M10
BT50-SLA20-250-T	1	20	30	40	250	M10
BT50-SLA20-300-T	2	20	30	40	300	M10
BT50-SLA25-200T	2	25	40	50	200	M10
BT50-SLA25-250-T	2	25	40	55	250	M10
BT50-SLA25-300-T	2	25	40	55	300	M10
BT50-SLA32-200-T	2	32	50	56	200	M12
BT50-SLA32-250-T	2	32	50	65	250	M12
BT50-SLA32-300-T	2	32	50	68	300	M12

SLB 側固式立銑刀柄 SIDE LOCK END MILL HOLDER/SLB

MODEL NO.	d	D	L	H1	H2	H3	G
BT40-SLB16-75	16	42	75	13	15	49	M10
BT40-SLB20-75	20	46	75	13	15	51	M10
BT40-SLB25-75	25	48	75	15	20	57	M12
BT40-SLB32-75	32	60	75	16	22	61	M16
BT50-SLB16-105	16	42	105	13	15	42	M10
BT50-SLB16-150	16	42	150	13	15	42	M10
BT50-SLB18-90	18	48	90	13	15	43	M10
BT50-SLB18-105	18	48	105	13	15	50	M10
BT50-SLB20-90	20	48	90	13	15	55	M10
BT50-SLB20-105	20	48	105	13	15	55	M10
BT50-SLB20-150	20	48	150	13	15	55	M10
BT50-SLB25-105	25	48	105	15	20	60	M12
BT50-SLB25-150	25	48	150	15	20	60	M12
BT50-SLB32-105	32	63	105	16	22	65	M16
BT50-SLB32-150	32	63	150	16	22	65	M16
BT50-SLB40-95	40	68	95	20	25	75	M16
BT50-SLB40-105	40	68	105	15	25	75	M16

**SLP 側固式立銑刀柄** SIDE LOCK END MILL HOLDER/SLP

MODEL NO.	d	D	D1	L	L1	H1	H2	H3	G
BT40-SLP12-165	12	22	43.5	165	134	15	16	16	M8xP0.75
BT40-SLP16-165	16	26	47.5	165	134	15	20	22	M8xP0.75
BT40-SLP20-165	20	30	51.5	165	136	15	20	25	M8xP0.75
BT40-SLP25-165	25	37	58	165	137	15	20	25	M8xP0.75

BT50-SLP8-200	8	17	42	200	150	13.5	18	-	M6xP0.75
BT50-SLP10-200	10	19	43.5	200	152	15	20	-	M6xP0.75
BT50-SLP10-250	10	20	52	250	200	15	20	-	M6xP0.75
BT50-SLP10-300	10	20	61	300	254	15	20	-	M6xP0.75
BT50-SLP12-200	12	22	48	200	154	15	16	16	M8xP0.75
BT50-SLP12-250	12	22	54.6	250	200	15	16	16	M8xP0.75
BT50-SLP12-300	12	23	64	300	254	15	16	16	M8xP0.75
BT50-SLP16-200	16	26	51.6	200	154	15	20	22	M8xP0.75
BT50-SLP16-250	16	26	58.6	250	202	15	20	22	M8xP0.75
BT50-SLP16-300	16	27	68	300	254	15	20	22	M8xP0.75
BT50-SLP20-200	20	30	55.6	200	154	15	20	25	M8xP0.75
BT50-SLP20-250	20	30	62.6	250	204	15	20	25	M8xP0.75
BT50-SLP25-200	25	35	60.6	200	154	15	20	25	M8xP0.75
BT50-SLP25-250	25	36	67	250	202	15	20	25	M8xP0.75
BT50-SLP32-200	32	42	62	200	154	15	20	25	M8xP0.75

**SLA 超短型側固式立銑刀柄** THE SHORTEST SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	d	D	L	H1	H2	G
BT40-SLA16-45	16	40	45	11	21	M10
BT40-SLA20-45	20	50	45	11	21	M12
BT40-SLA25-45	25	57	45	10	20	M12
BT40-SLA32-50	32	60	50	10	20	M12

BT50-SLA16-45	16	40	45	17	19	M10
BT50-SLA16-75	16	40	75	20	25	M10
BT50-SLA20-45	20	50	45	17	19	M12
BT50-SLA20-75	20	50	75	20	25	M12
BT50-SLA25-75	25	58	75	23	27	M16
BT50-SLA32-75	32	62	75	23	29	M16
BT50-SLA42-75	42	72	75	23	29	M16

**CK 雙刃粗(精)搪刀桿** BORING HOLDER/CK

MODEL NO.	L	L1	L2	Min-Max	Cutter
BT30-CK1-75	75	42	33	19-25	CBH20
BT30-CK1-105	105	72	33	19-25	CBH20
BT30-CK2-90	90	52	38	25-33	RBH25, CBH25
BT30-CK2-105	105	67	38	25-33	RBH25, CBH25
BT30-CK3-105	105	64	41	32-42	RBH32, CBH32
BT30-CK3-120	120	79	41	32-42	RBH32, CBH32
BT30-CK3-150	150	109	41	32-42	RBH32, CBH32
BT30-CK4-135	135	88	47	40-55	RBH40, CBH40
BT30-CK4-165	165	118	47	40-55	RBH40, CBH40
BT30-CK5-120	120	63	57	52-70	RBH52, CBH52
BT30-CK5-135	135	78	57	52-70	RBH52, CBH52
BT30-CK5-165	165	108	57	52-70	RBH52, CBH52
BT30-CK6-135	135	64	71	68-92 90-122	RBH68, RBH90 CBH68, LBJ16
BT40-CK1-90	90	57	33	19-25	CBH20
BT40-CK1-105	105	75	33	19-25	CBH20
BT40-CK1-120	120	87	33	19-25	CBH20
BT40-CK2-105	105	67	38	25-33	RBH25, CBH25
BT40-CK2-120	120	82	38	25-33	RBH25, CBH25
BT40-CK2-150	150	112	38	25-33	RBH25, CBH25
BT40-CK3-120	120	79	41	32-42	RBH32, CBH32
BT40-CK3-135	135	94	41	32-42	RBH32, CBH32
BT40-CK3-165	165	124	41	32-42	RBH32, CBH32
BT40-CK4-135	135	88	47	40-55	RBH40, CBH40
BT40-CK4-165	165	118	47	40-55	RBH40, CBH40
BT40-CK5-135	135	78	57	52-70	RBH52, CBH52
BT40-CK5-165	165	108	57	52-70	RBH52, CBH52
BT40-CK6-120	120	49	71	68-92 90-122	RBH68, CBH68 LBJ16, RBH90 CBH100, CBH150
BT40-CK6-135	135	64	71		
BT40-CK6-165	165	91	71		



P24-Boring Head



P24-Adapter



CK 雙刃粗(精)搪刀桿 BORING HOLDER/CK

MODEL NO.	L	L1	L2	Min-Max	Cutter
BT50-CK1-135	135	102	33	19-25	CBH20
BT50-CK1-150	150	117	33	19-25	CBH20
BT50-CK2-150	150	112	38	25-33	RBH25, CBH25
BT50-CK2-180	180	142	38	25-33	RBH25, CBH25
BT50-CK3-165	165	124	41	32-42	RBH32, CBH32
BT50-CK3-195	195	154	41	32-42	RBH32, CBH32
BT50-CK4-165	165	118	47	40-55	RBH40, CBH40
BT50-CK4-200	200	153	47	40-55	RBH40, CBH40
BT50-CK4-240	240	193	47	40-55	RBH40, CBH40
BT50-CK5-165	165	108	57	52-70	RBH52, CBH52
BT50-CK5-200	200	143	57	52-70	RBH52, CBH52
BT50-CK5-240	240	183	57	52-70	RBH52, CBH52
BT50-CK5-285	285	228	57	52-70	RBH52, CBH52
BT50-CK6-135	135	64	71	68-92 90-122	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150
BT50-CK6-165	165	94	71		
BT50-CK6-200	200	129	71		
BT50-CK6-240	240	169	71		
BT50-CK6-280	280	209	71		
BT50-CK6-300	300	229	71		
BT50-CK6-320	320	249	71		
BT50-CK6-350	350	279	71		
*BT50-CK6-400	400	329	71		
*BT50-CK6-450	450	379	71		

*:為減重設計。



CK 雙刃粗(精)搪刀桿 BORING HOLDER/CK

MODEL NO.	d	D	L	L1	Min-Max	Cutter
BT50-LCK7-65	58	88	65	25	90-610	RBH90~RBH500 CBH100~CBH500
BT50-LCK7-105	58	88	105	35		
BT50-LCK7-150	58	88	150	50		
BT50-LCK7-200	58	88	200	35		
BT50-LCK7-250	58	88	250	35		
BT50-LCK7-300	58	88	300	35		
BT50-LCK7-350	58	88	350	35		
BT50-LCK7-400	58	88	400	35		
BT50-LCK7-450	58	88	450	35		
BT50-LCK7-300-S	58	85	300	35		
BT50-LCK7-350-S	58	85	350	35		
BT50-LCK7-400-S	58	85	400	35		

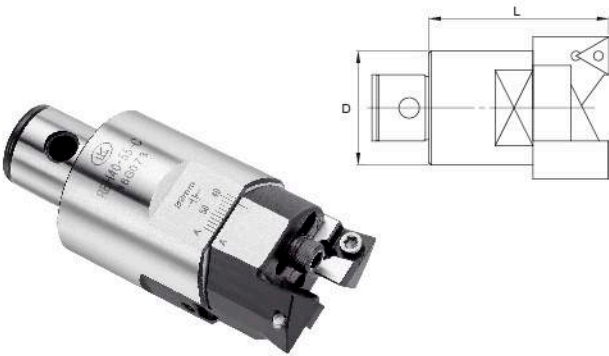


CK 雙刃粗(精)搪刀桿 BORING HOLDER/CK

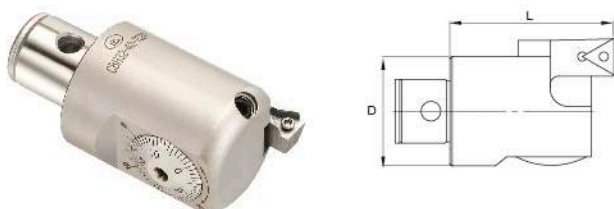
MODEL NO.	D	D1	L	L1	Min-Max	Cutter
* BT50-CKB5-300	50	66	300	85	52-70	RBH52, CBH52
* BT50-CKB5-350	50	66	350	85		
* BT50-CKB6-350	64	77	350	70	68-92 90-122	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150
* BT50-CKB6-400	64	80	400	70		
* BT50-CKB6-400-S	64	77	400	70		
* BT50-CKB6-450	64	80	450	70		
* BT50-CKB6-450-S	64	77	450	70		

*:為減重設計。

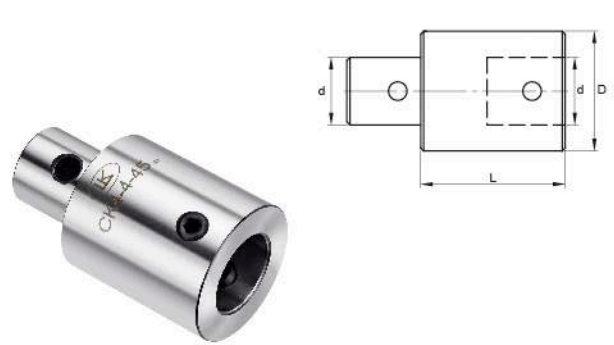


**RBH 雙刃粗搪孔頭 ROUGH BORING HEAD/RBH**

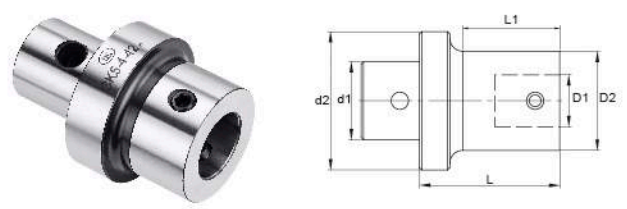
MODEL NO.	Boring Range	D	L	Tool Holder	Insert
RBH25	25-33	24	45	CK2	CCMT060204
RBH32	32-42	31	55	CK3	CCMT060204 TCMT110204
RBH40	40-55	39	65	CK4	CCMT09T304
RBH52	52-70	50	75	CK5	TCMT16T304
RBH68	68-92	66	85	CK6	CCMT120408 TCMT16T304
RBH90	90-122	88	100	CK6	CCMT09T304 TCMT16T304
RBH120	120-164	100	95	BST	
RBH160	160-204	130	95	BST	
RBH200	200-300	-	95	BST	
RBH300	300-400	-	95	BST	

**CBH 微調精搪孔頭 FINISH BORING HEAD/CBH**

MODEL NO.	Boring Range	D	L	Tool Holder	Insert
CBH20	20-26	19	35	CK1	TB06..0602... TP08..0802... TC09..0902...
CBH25	25-33	24	40	CK2	
CBH32	32-42	31	40	CK3	
CBH40	40-55	39	50	CK4	TP08..0802... TP09..0902... TC11..1102...
CBH52	52-75	50	60	CK5	
CBH68	68-102	64	70	CK6	
CBH100	100-152	90	70	CK6	
CBH150	150-202	140	70	CK6	
CBH200	200-310	-	130	BST	

**CK 接桿 EQUAL DIAMETER EXTENSION ADAPTER/CK**

MODEL NO.	d	D	L	Cutter	Weight
CK1接桿30L	11	19	30	CBH20	0.07
CK2接桿30L	14	24	30	RBH25, CBH25	0.1
CK3接桿30L	18	31	30	RBH32, CBH32	0.15
CK3接桿60L	18	31	60		0.32
CK4接桿45L	22	39	45		0.42
CK4接桿100L	22	39	100	RBH40, CBH40	0.82
CK4接桿150L	22	39	150		1.17
CK5接桿60L	28	50	60	RBH52, CBH52	0.85
CK5接桿120L	28	50	120		1.58
CK6接桿60L	36	64	60	RBH68, RBH90 CBH68, CBH100	1.43
CK6接桿120L	36	64	120		2.55
CK7接桿100L	58	88	100	RBH90-RBH500 CBH100-CBH500	3.68
CK7接桿150L	58	88	150		4.95

**CK 異徑接桿 REDUCING CHANGE ADAPTER/CK**

MODEL NO.	d1	d2	D1	D2	L	L1	Cutter
CK4-3-50	22	39	18	31	50	37	RBH32、CBH32
CK5-3-47	28	50	18	31	47	29	
CK5-3-72	28	50	18	31	72	54	RBH40、CBH40
CK5-4-42	28	50	22	39	42	25	
CK5-4-67	28	50	22	39	67	50	RBH32、CBH32
CK6-3-60	36	64	18	31	60	40	
CK6-3-90	36	64	18	31	90	70	RBH40、CBH40
CK6-4-60	36	64	22	39	60	40	
CK6-4-100	36	64	22	39	100	60	RBH52、CBH52
CK6-4-125	36	64	22	39	125	80	
CK6-5-50	36	64	28	50	50	30	RBH68、RBH90 CBH68、CBH100
CK6-5-75	36	64	28	50	75	55	
CK6-5-100	36	64	28	50	100	80	RBH52、CBH52
CK6-5-125	36	64	28	50	125	105	
CK7-5-50	58	88	28	50	50	30	RBH68、RBH90 CBH68、CBH100
CK7-5-75	58	88	28	50	75	55	
CK7-5-100	58	88	28	50	100	80	RBH68、RBH90 CBH68、CBH100
CK7-6-80	58	88	36	64	80	60	
CK7-6-120	58	88	36	64	120	100	RBH68、RBH90 CBH68、CBH100
CK7-6-80-S	58	85	36	64	80	60	
CK7-6-120-S	58	85	36	64	120	100	

CBM 精密微調精搪頭與刀片座

MICRO ADJUSTMENT BORING HEAD AND INSERT HOLDER/CBM

特性說明

1. CBM精密微調精搪刀適用於精切削搪孔，搪孔範圍 $\varnothing 18$ - $\varnothing 204$ mm均可搭配使用。
2. 調整刻度每格調整尺寸為直徑 0.002 mm。
3. 精密導程螺絲位於內部，不受切屑、磨耗、生鏽等影響，具有內部潤滑，精準耐用。
4. 內藏式水孔，刀尖直接冷卻，刀片壽命長。
5. 刀片座由齒形結合結構固定，切削穩定，加工範圍廣泛。
6. 更換刀片座即可進行正向或反向搪孔加工。

FEATURES

1. CBM Micro adjustment boring head is suitable for fine boring.
2. The dial adjustment is each 0.002 mm on diameter.
3. High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.
4. Coolant nozzle easily cools the insert elongating its working life.
5. The insert holder is fixed by toothed instruction, proving high stability and width working range.
6. Forward cutting or reverse cutting by exchange insert holder.



CBM55-SP55



CBM55-SA55



CBM100-SP100



CBM68-CB150-RCM100-SP100

正搪搪刀 FORWARD BORING

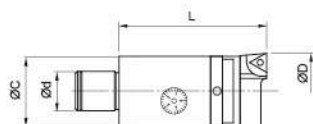


Fig.1

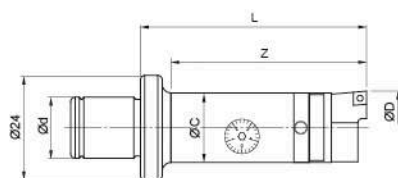


Fig.2

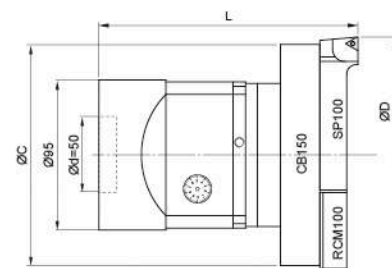


Fig.3

反搪搪刀 REVERSE BORING

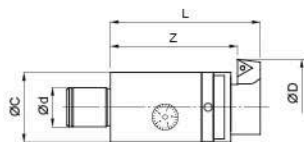


Fig.1

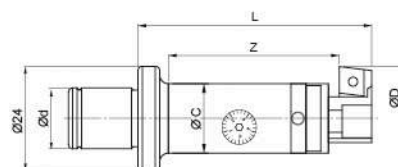
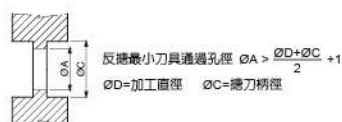


Fig.2

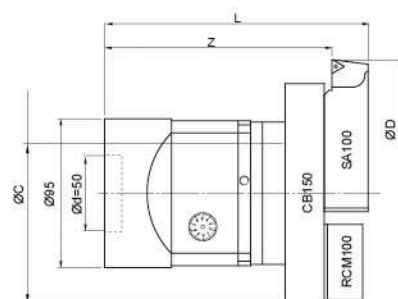
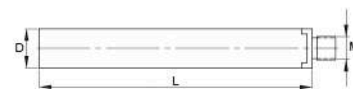
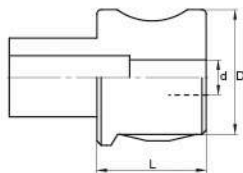


Fig.3

搪頭型號 MODEL NO.	樣式 Fig	接合型號 LBK No.	ØC	Ød	正搪 Forward Boring			反搪 Reverse Boring			有效長 Length Z	刀片規格/螺絲/扳手 Insert/ Clamp Screw/ Wrench	重量 kg Weight
					刀片座 Insert Holder	搪孔範圍 Boring Ranges	搪頭長度 Length L	刀片座 Insert Holder	搪孔範圍 Boring Ranges	搪頭長度 Length L			
CBM18A	2	LBK2	16	14	SP18	18-23	65/Z60	SA18	20-25	65	55	CC06 / M2.5 / T8 TP09 / M2.5 / T8	0.10
CBM18B	2	LBK2	16	14	SP18	18-23	90/Z85	SA18	20-25	90	80		0.14
CBM22	1	LBK1	20	11	SP22	22-29	40	SA22	24-32	40	30		0.09
CBM27	1	LBK2	25	14	SP27	27-40	50	SA27	31-41	50	40		0.17
CBM35	1	LBK3	32	18	SP35	35-50	65	SA35	38-52	65	50		0.36
CBM45	1	LBK4	40	22	SP45	45-65	80	SA45	50-65	80	70		0.71
					SP55	55-80	85	SA55	60-84	85	60		1.04
					SP68	68-104	95	SA68	78-115	95	70		1.11
CBM55	1	LBK5	50	28	SP100	100-154	95	SA100	110-164	95	70		1.22
					CB150			CB150					
					RCM100			RCM100					
CBM55	3	LBK5	140	28	SP100	150-204	120	SA100	160-214	120	95		2.13
					CB150			CB150					
					RCM100			RCM100					
CBM68	1	LBK6	63	36	SP68	68-104		SA68	78-115			CC09 / M4 / T15 TP09 / M2.5 / T8 TC11 / M2.5 / T8	2.00
					SP100	100-154	100	SA100	110-164	100	75		2.11
					CB150			CB150					
CBM68	3	LBK6	140	36	RCM100	150-204	125	RCM100	160-214	125	100		3.02
					SP100			SA100					
					CB150			CB150					
CBM100	1	BST	95	50	SP100	100-154	120	SA100	110-164	120	95		2.78
CBM100	3	BST	140	50	CB150			CB150					
					RCM100	150-204	145	RCM100	160-214	145	120		3.72
					SP100			SA100					



BJ 小徑精搪頭 MICRO FINISH BORING HEAD/BJ

MODEL NO.	Boring Range	L	d	D	Feed(mm)	Each Graduate	Adapter
LBJ16	8-50	50	16	64	0-6	0.01(mm)	CK6



BJ16 小徑搪刀桿 BORING BAR/BJ16

MODEL NO.	D	H	d	L	L1	Boring Range	Tips No.	Screw	Wrench
BJ1608-32	16	15	8	80	33.5	8-11	TBGT0601...	M2.0	T6
BJ1610-40	16	15	10	86.5	41.8	10-13	TBGT0601...	M2.0	T6
BJ1612-53	16	15	12	98	55.2	12-15	TPGH0902...	M2.5	T8
BJ1616-68	16	15	16	110	70.8	16-21	TPGH1103...	M3.0	T10
BJ1620-83	16	15	20	125	85	20-26	TPGH1103...	M3.0	T10
BJ1625-90	16	15	25	128	90	25-31	TPGH1103...	M3.0	T10
BJ1630-90	16	15	30	128	90	30-36	TPGH1103...	M3.0	T10
BJ1635-90	16	15	35	128	90	35-41	TPGH1103...	M3.0	T10
BJ1640-90	16	15	40	128	90	40-46	TPGH1103...	M3.0	T10
BJ1645-90	16	15	45	128	90	45-51	TPGH1103...	M3.0	T10

BJ16x8pcs 附刀柄8支、木盒一只、扳手6只(不含刀片)

BJ18 小徑搪刀桿 BORING BAR/BJ18

MODEL NO.	D	H	L	L1	Boring Range	Tips No.	Screw	Wrench
BJ1808-32	18	17	72	32	8-10	TB0601...	MS2005A	T6
BJ1810-40	18	17	80	40	10-12	TB0601...	MS2005A	T6
BJ1812-53	18	17	93	53	12-16	TP0902...	MS2006A	T9
BJ1816-68	18	17	108	68	16-20	TP0902...	MS2006A	T9
BJ1820-83	18	17	123	40	20-25	TP1103...	MS2008A	T9
BJ1825-90	18	17	130	40	25-30	TP1103...	MS2008A	T9
BJ1830-90	18	17	130	40	30-35	TP1103...	MS2008A	T9
BJ-L18-36	18	17	97	8	-	TP1103...	MS2008A	T9

BJ18x8pcs 附刀柄8支、木盒一只、扳手6只(不含刀片)

BJ20 小徑搪刀桿 BORING BAR/BJ20

MODEL NO.	D	H	L	L1	Boring Range	Tips No.	Screw	Wrench
BJ2008-32	20	19	74	32	8-10	TB0601...	MS2005A	T6
BJ2010-40	20	19	75	40	10-12	TB0601...	MS2005A	T6
BJ2012-53	20	19	85	53	12-16	TP0902...	MS2006A	T6
BJ2016-68	20	19	100	68	16-20	TP0902...	MS2006A	T9
BJ2020-83	20	19	115	83	20-25	TP1103...	MS2008A	T9
BJ2025-96	20	19	135	40	25-30	TP1103...	MS2008A	T9
BJ2030-115	20	19	158	40	30-35	TP1103...	MS2008A	T9
BJ2020-L	20	19	97	8	-	TP1103...	MS2008A	T9

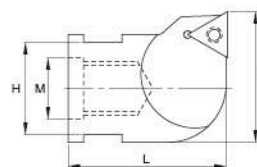
BJ20x8pcs 附刀柄8支、木盒一只、扳手6只(不含刀片)

鎢鋼柄搪刀桿 CARBIDE HOLDER

MODEL NO.	D	L	M	Boring Head	COLLET
SC08-M5-115	8	115	M5	BE09A - BE10.5A	EC1608
SC08-M5-135	8	135	M5		EC1608
SC10-M6-135	10	135	M6	BE12A	EC1610
SC10-M6-165	10	165	M6		EC1610
SC12-M6-135	12	135	M6	BE14A - BE16A	EC1612
SC12-M6-165	12	165	M6		EC1612
SC16-M10-130	16	130	M10	BE18A - BE20A - BE22A BE24A - BE26A - BE28A BE30A - BE32A - BE34A BE36A - BE38A - BE40A BE42A - BE44A - BE46A BE48A - BE50A	-
SC16-M10-150	16	150	M10		-
SC16-M10-180	16	180	M10		-
					-

鎢鋼柄轉換套筒 COLLET ADAPTER

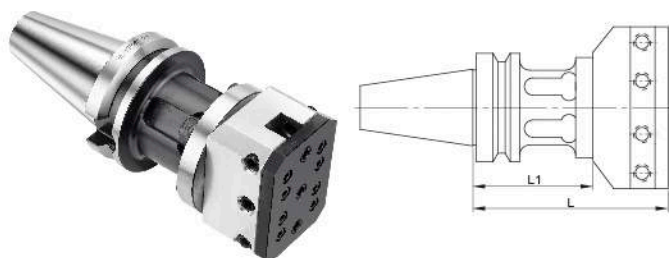
MODEL NO.	D	d
EC1606	16	6
EC1608	16	8
EC1610	16	10
EC1612	16	12
EC1614	16	14



搪孔頭 BORING HEAD

加工直徑 $\varnothing 9 \sim \varnothing 52\text{mm}$
Boring Diameter from $\varnothing 9 \sim \varnothing 52\text{mm}$

MODEL NO.	D	H	L	M	Range	Insert	Screw	Wrench
BE09A	9	7	18	M5	9-10.5	TP...0802..	MS2205A	TF7
BE10.5A	10.5	7	18	M5	10.5-12			
BE12A	12	8	23	M6	12-14			
BE14A	14	10	23	M6	14-16			
BE16A	16	10	23	M6	16-18	TP...0802..	MS2206A	TF7
BE18A	18	14	27	M10	18-20			
BE20A	20	14	27	M10	20-22			
BE22A	22	14	27	M10	22-24			
BE24A	24	14	27	M10	24-26			
BE26A	26	14	27	M10	26-28			
BE28A	28	14	27	M10	28-30			
BE30A	30	14	27	M10	30-32			
BE32A	32	14	27	M10	32-34			
BE34A	34	14	27	M10	34-36			
BE36A	36	14	27	M10	36-38			
BE38A	38	14	27	M10	38-40			
BE40A	40	14	27	M10	40-42			
BE42A	42	14	27	M10	42-44			
BE44A	44	14	27	M10	44-46			
BE46A	46	14	27	M10	46-48			
BE48A	48	14	27	M10	48-50			
BE50A	50	14	27	M10	50-52			

**BST 大口徑粗搪孔刀 LARGE SIZE BORING HOLDER/BST**

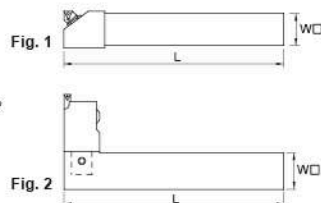
MODEL NO.	L1	L	Weight
BT40-BST-75	75	132	2
BT50-BST-105	105	157	5.33
BT50-BST-125	125	182	6.01
BT50-BST-150	150	207	6.62
BT50-BST-200	200	257	8.03
* BT50-BST-250	250	307	9.77
* BT50-BST-300	300	357	11.06
* BT50-BST-350	350	407	12.91
* BT50-BST-400	400	457	13.46

*:為減重設計。

**BST 刀盤 BORING BLOCK/BST**

MODEL NO.	Min-Max	W□
BST-100	120-170	19、25
BST-125	150-200	19、25
BST-150	170-250	19、25
BST-200	220-300	19、25
BST-250	270-350	19、25
BST-300	320-450	19、25
BST-350	370-500	19、25
BST-400	450-600	19、25

PS: 刀盤有鋼製及鋁合金材質可選擇。

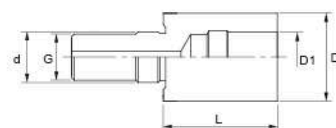
**BSS 微調搪孔刀柄 MICRO BORING BAR/BSS**

MODEL NO.	Fig	W□	L	Applicable Angle	Boring Head
BSS-16MM-150	1	16	150	30°, 45°, 90°	L148C-31
BSS-16MM-200	1	16	200	30°, 45°, 90°	L148C-31
BSS-19MM-150	1	19	150	30°, 45°, 90°	L148C-31
BSS-19MM-200	1	19	200	30°, 45°, 90°	L148C-31
BSS-25MM-150	1	25	150	30°, 45°, 90°	L148C-31
BSS-25MM-200	1	25	200	30°, 45°, 90°	L148C-31
BSS-25MM-CK1-150	2	25	150	-	CBH20
BSS-25MM-CK1-200	2	25	200	-	CBH20
BSS-25MM-CK2-150	2	25	150	-	RBH25, CBH25
BSS-25MM-CK2-200	2	25	200	-	RBH25, CBH25

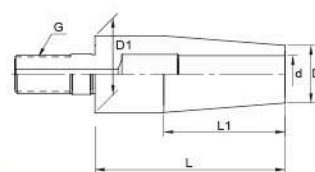
**鎢鋼柄刀桿 CARBIDE HOLDER**

MODEL NO.	D	L	d	G
W16-M8-150	16	150	8.5	M8xP1.25
W19-M10-200	19	200	10.5	M10xP1.5
W20-M10-200	20	200	10.5	M10xP1.5
W20-M10-250	20	250	10.5	M10xP1.5
W24-M12-200	24	200	12.5	M12xP1.75
W24-M12-250	24	250	12.5	M12xP1.75

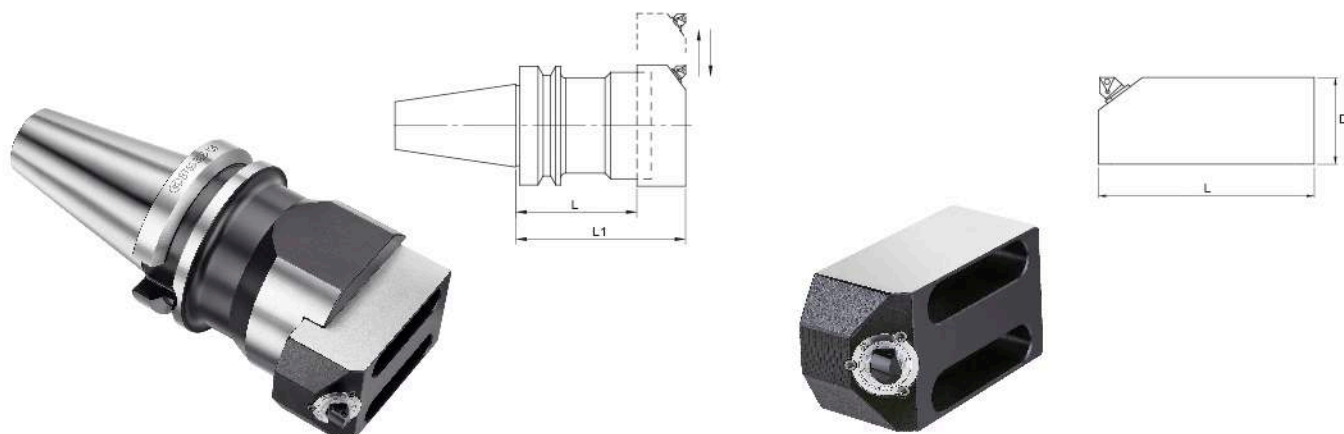
PS: 鎢鋼刀桿應用於各式夾具，如直筒夾、彈性筒夾、燒結刀桿、側固刀桿。

**CK 鎢鋼柄搪孔轉接桿 CARBIDE HOLDER ADAPTER FOR BORING**

MODEL NO.	D	L	d	D1	G
C19-CK1-25	19	25	10.5	11(CK1)	M10xP1.5
C19-CK2-30	19	30	10.5	14(CK2)	M10xP1.5
C24-CK2-30	24	30	12.5	14(CK2)	M12xP1.75
C24-CK2-60	24	60	12.5	14(CK2)	M12xP1.75

**HSL 鎢鋼柄燒結轉接桿 CARBIDE HOLDER ADAPTER FOR SHRINK FIT**

MODEL NO.	L	L1	d	D	D1	G
C16-HSL04-50	50	30	4	8	16	M8xP1.25
C16-HSL06-45	45	34	6	10	16	M8xP1.25
C16-HSL08-45	45	25	8	12	16	M8xP1.25
C20-HSL10-50	50	32	10	15	20	M10xP1.5
C20-HSL12-50	50	50	12	19	20	M10xP1.5



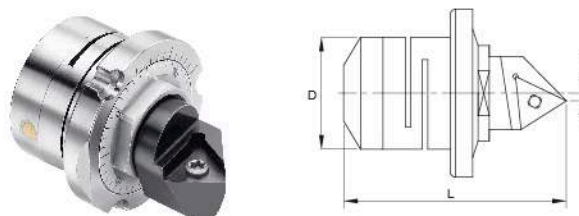
BLB 大口徑微調刀柄 LARGE SIZE MICRO BORING HOLDER/BLB

MODEL NO.	L	L1	Weight
BT50-BLB-105	105	150	7.53
BT50-BLB-125	125	170	8.32
BT50-BLB-150	150	195	8.95
* BT50-BLB-200	200	245	8.79
* BT50-BLB-250	250	295	10.32
* BT50-BLB-300	300	345	11.76
* BT50-BLB-350	350	395	12.98

*: 為減重設計

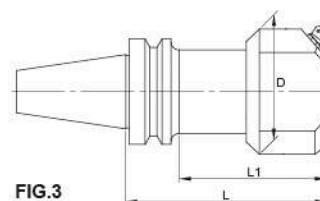
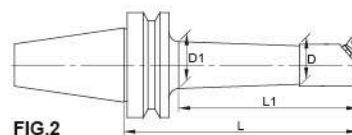
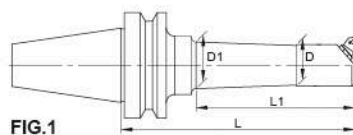
BLB 刀盤 BORING BLOCK

MODEL NO.	Min-Max	D	L	Boring Head
BLB-90	100-150	45	90	L148C-32
BLB-100	110-160	45	100	L148C-32
BLB-125	140-200	45	125	L148C-32
BLB-150	170-250	45	150	L148C-32
BLB-175	190-275	45	175	L148C-32
BLB-200	220-320	45	200	L148C-32
BLB-250	270-370	45	250	L148C-32
BLB-300	320-420	45	300	L148C-32



精搪頭 FINE BORING HEAD

MODEL NO.	D	L	F	D min	Screw	Insert
L148C-31-0602	16	15.5	0.2	24.8	5513-020-03	CCMT060204
L148C-32-0902	20	33.7	0.9	32.5	5513-020-05	TCMT090204
L148C-33-1102	22	45.3	1.1	42.0	5513-020-03	TCMT110204
L148C-34-16T3	32	62.3	1.2	59.4	5513-020-10	TCMT16T304

**BCS 微調搪孔刀柄**

MODEL NO.	Fig	Min-Max	D	D1	L	L1	Boring Head
BT40-BCS25-150	2	25-28	23.5	25	150	115	L148C-31
BT40-BCS30-150	2	30-33	27	30	150	115	L148C-31
BT40-BCS30-180	1	30-33	27	30	180	135	L148C-31
BT40-BCS34-150	2	34-39	31	34	150	115	L148C-32
BT40-BCS34-180	2	34-39	31	34	180	145	L148C-32
BT40-BCS38-150	2	38-43	34	38	150	115	L148C-32
BT40-BCS38-180	2	38-43	34	38	180	145	L148C-32
BT40-BCS44-150	2	44-52.5	41	43	150	120	L148C-33
BT40-BCS44-180	2	44-52.5	41	43	180	150	L148C-33
BT40-BCS44-210	2	44-52.5	41	43	210	180	L148C-33
BT40-BCS52-150	2	52-61.5	46	50	150	120	L148C-33
BT40-BCS52-180	2	52-61.5	46	50	180	150	L148C-33
BT40-BCS52-210	2	52-61.5	46	50	210	180	L148C-33
BT40-BCS61-150	2	61-70.5	55	55	150	120	L148C-33
BT40-BCS61-180	2	61-70.5	55	58	180	155	L148C-33
BT40-BCS70-150	3	70-86	60	-	150	125	L148C-34
BT40-BCS70-180	3	70-86	60	-	180	155	L148C-34
BT40-BCS85-150	3	85-101	75	-	150	120	L148C-34
BT40-BCS85-180	3	85-101	75	-	180	150	L148C-34
BT40-BCS100-150	3	100-116	90	-	150	120	L148C-34
BT40-BCS100-210	3	100-116	90	-	210	180	L148C-34



P29-Fine Boring Head

MICRO FINISH BORING HOLDER

MODEL NO.	Fig	Min-Max	D	D1	L	L1	Boring Head
BT50-BCS25-150	2	25-28	23.5	25	150	100	L148C-31
BT50-BCS25-180	2	25-28	23.5	25	180	130	L148C-31
BT50-BCS25-210	1	25-28	23.5	25	210	120	L148C-31
BT50-BCS27-180	2	27-30	25	27	180	130	L148C-31
BT50-BCS30-165	2	30-33	27	30	165	115	L148C-31
BT50-BCS30-180	2	30-33	27	30	180	130	L148C-31
BT50-BCS30-210	1	30-33	27	30	210	140	L148C-31
BT50-BCS30-240	1	30-33	27	30	240	140	L148C-31
BT50-BCS34-165	2	34-39	30	34	165	130	L148C-32
BT50-BCS34-210	1	34-39	30	34	210	160	L148C-32
BT50-BCS34-240	1	34-39	30	34	240	155	L148C-32
BT50-BCS38-165	2	38-43	34	37	165	115	L148C-32
BT50-BCS38-210	2	38-43	34	37	210	160	L148C-32
BT50-BCS38-240	1	38-43	34	37	240	170	L148C-32
BT50-BCS44-165	2	44-52.5	41	43	165	120	L148C-33
BT50-BCS44-210	2	44-52.5	41	43.5	210	160	L148C-33
BT50-BCS44-240	2	44-52.5	41	43.5	240	190	L148C-33
BT50-BCS52-180	2	52-61.5	46	51	180	130	L148C-33
BT50-BCS52-210	2	52-61.5	46	51	210	160	L148C-33
BT50-BCS52-240	2	52-61.5	46	51	240	190	L148C-33
BT50-BCS52-280	2	52-61.5	46	51	280	230	L148C-33
BT50-BCS61-180	2	61-70.5	55	58	180	135	L148C-33
BT50-BCS61-210	2	61-70.5	55	58	210	165	L148C-33
BT50-BCS61-240	2	61-70.5	55	60	240	190	L148C-33
BT50-BCS61-280	2	61-70.5	55	60	280	230	L148C-33
BT50-BCS61-330	2	61-70.5	55	61	330	275	L148C-33
BT50-BCS70-180	2	70-86	60	68	180	135	L148C-34
BT50-BCS70-210	2	70-86	60	66	210	165	L148C-34
BT50-BCS70-240	2	70-86	60	66	240	195	L148C-34
BT50-BCS70-280	2	70-86	60	69	280	230	L148C-34
BT50-BCS85-180	3	85-101	75	-	180	140	L148C-34
BT50-BCS85-240	3	85-101	75	-	240	195	L148C-34
*BT50-BCS100-280	3	100-116	90	-	280	240	L148C-34
*BT50-BCS100-350	3	100-116	90	-	350	310	L148C-34

*:為減重設計。

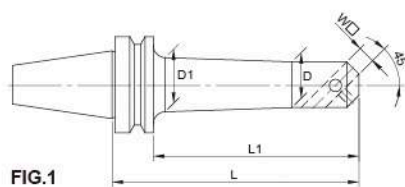


FIG.1

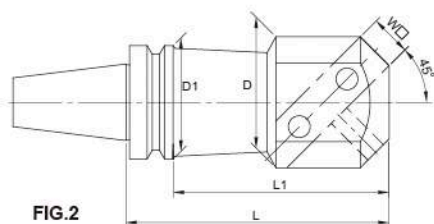


FIG.2

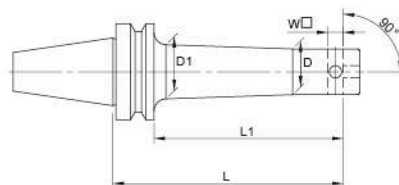
BSA 粗搪孔刀柄

MODEL NO.	Fig	Min-Max	D	D1	L	L1	W□
BT40-BSA25-120	1	25-38	20	24	120	93	8
BT40-BSA25-150	1	25-38	20	24	150	123	8
BT40-BSA30-150	1	30-42	24	28	150	123	8
BT40-BSA38-135	1	38-52	30	36	135	108	10
BT40-BSA38-165	1	38-52	30	36	165	138	10
BT40-BSA42-135	1	42-56	34	38	135	108	10
BT40-BSA42-165	1	42-56	34	38	165	138	10
BT40-BSA50-135	1	50-65	40	48	135	108	13
BT40-BSA50-165	1	50-65	40	48	165	138	13
BT40-BSA62-135	1	62-90	50	58	135	108	16
BT40-BSA62-165	1	62-90	50	58	165	138	16
BT40-BSA72-120	1	72-110	60	59	120	93	19
BT40-BSA72-135	1	72-110	60	59	135	108	19
BT40-BSA72-165	1	72-110	60	59	165	138	19
BT40-BSA90-120	2	90-125	75	62	120	93	19
BT40-BSA90-135	2	90-125	75	62	135	108	19

45° BORING HOLDER A TYPE/BSA

MODEL NO.	Fig	Min-Max	D	D1	L	L1	W□
BT50-BSA25-135	1	25-38	20	24	135	97	8
BT50-BSA25-165	1	25-38	20	24	165	127	8
BT50-BSA30-165	1	30-42	24	28	165	127	8
BT50-BSA30-210	1	30-42	24	28	210	172	8
BT50-BSA38-180	1	38-52	30	36	180	142	10
BT50-BSA38-210	1	38-52	30	36	210	172	10
BT50-BSA42-210	1	42-56	34	38	210	172	10
BT50-BSA42-280	1	42-56	34	38	280	242	10
BT50-BSA50-180	1	50-65	40	48	180	142	13
BT50-BSA50-240	1	50-65	40	48	240	202	13
BT50-BSA62-195	1	62-90	50	58	195	157	16
BT50-BSA62-240	1	62-90	50	58	240	202	16
BT50-BSA62-270	1	62-90	50	58	270	232	16
BT50-BSA62-350	1	62-90	50	58	350	312	16
BT50-BSA72-195	1	72-110	60	68	195	157	19
BT50-BSA72-240	1	72-110	60	68	240	202	19
BT50-BSA72-285	1	72-110	60	68	285	247	19
BT50-BSA72-320	1	72-110	60	68	320	282	19
BT50-BSA72-350	1	72-110	60	68	350	312	19
BT50-BSA90-210	2	90-125	74	70	210	172	19
BT50-BSA90-240	2	90-125	74	70	240	202	19
*BT50-BSA90-300	2	90-125	74	70	300	262	19
*BT50-BSA90-350	2	90-125	74	70	350	312	19
BT50-BSA105-195	2	105-160	90	76	195	157	19
*BT50-BSA105-240	2	105-160	90	76	240	202	19
*BT50-BSA105-285	2	105-160	90	76	285	247	19
*BT50-BSA105-300	2	105-160	90	76	300	262	19
*BT50-BSA105-350	2	105-160	90	76	350	312	19
*BT50-BSA105-400	2	105-160	90	76	400	362	19

*:為減重設計

**BSB 粗搪孔刀柄**

MODEL NO.	Min-Max	D	D1	L	L1	W□
BT40-BSB25-120	25-38	20	24	120	93	8
BT40-BSB25-150	25-38	20	24	150	123	8
BT40-BSB30-150	30-42	24	28	150	123	8
BT40-BSB30-165	30-42	24	28	165	138	8
BT40-BSB38-135	38-52	30	36	135	108	10
BT40-BSB38-165	38-52	30	36	165	138	10
BT40-BSB42-135	42-56	34	40	135	108	10
BT40-BSB42-165	42-56	34	40	165	138	10
BT40-BSB50-135	50-65	40	48	135	108	13
BT40-BSB50-165	50-65	40	48	165	138	13
BT40-BSB62-135	62-90	50	58	135	108	16
BT40-BSB62-165	62-90	50	58	165	138	16
BT40-BSB72-135	72-110	60	68	135	108	19
BT40-BSB72-165	72-110	60	68	165	138	19
BT40-BSB90-120	90-125	75	-	120	93	19
BT40-BSB90-135	90-125	75	-	135	108	19
BT40-BSB90-165	90-125	75	-	165	138	19

90° BORING HOLDER B TYPE/BSB

MODEL NO.	Min-Max	D	D1	L	L1	W□
BT50-BSB25-135	25-38	20	24	135	97	8
BT50-BSB25-165	25-38	20	24	165	127	8
BT50-BSB30-165	30-42	24	28	165	127	8
BT50-BSB30-210	30-42	24	28	210	172	8
BT50-BSB38-180	38-52	30	36	180	142	10
BT50-BSB38-210	38-52	30	36	210	172	10
BT50-BSB42-210	42-56	34	40	210	172	10
BT50-BSB42-240	42-56	34	40	240	202	10
BT50-BSB42-280	42-56	34	40	280	242	10
BT50-BSB50-180	50-65	40	48	180	142	13
BT50-BSB50-240	50-65	40	48	240	202	13
BT50-BSB50-280	50-65	40	48	280	242	13
BT50-BSB62-195	62-90	50	58	195	157	16
BT50-BSB62-240	62-90	50	58	240	202	16
BT50-BSB62-270	62-90	50	58	270	232	16
BT50-BSB72-195	72-110	60	68	195	157	19
BT50-BSB72-240	72-110	60	68	240	202	19
BT50-BSB72-285	72-110	60	68	285	247	19
BT50-BSB90-210	90-125	74	-	210	172	19
BT50-BSB90-240	90-125	74	-	240	202	19
* BT50-BSB90-300	90-125	74	-	300	262	19
* BT50-BSB90-350	90-125	74	-	350	312	19
BT50-BSB105-195	105-160	90	-	195	157	19
* BT50-BSB105-240	105-160	90	-	240	202	19
* BT50-BSB105-285	105-160	90	-	285	247	19
* BT50-BSB105-300	105-160	90	-	300	262	19

*:為減重設計。

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

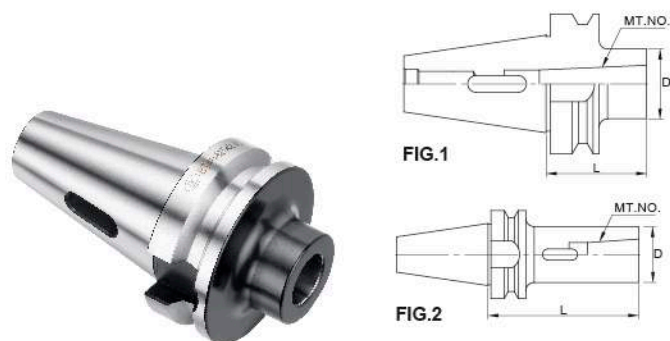
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



MTA 斜柄鑽頭套筒刀柄 MORSE TAPER HOLDER A TYPE

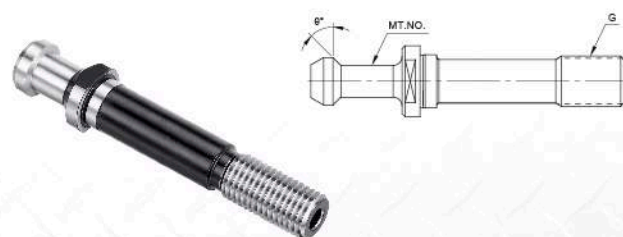
MODEL NO.	Fig	D	L	MT.NO.
BT30-MTA1-45	1	25	45	MTA1
BT30-MTA2-60	1	32	60	MTA2
BT30-MTA3-80	1	40	80	MTA3
BT40-MTA1-45	1	25	45	MTA1
BT40-MTA1-120	2	25	120	MTA1
BT40-MTA2-45	1	32	45	MTA2
BT40-MTA2-120	2	32	120	MTA2
BT40-MTA2-180	2	32	180	MTA2
BT40-MTA3-75	1	40	75	MTA3
BT40-MTA3-135	2	40	135	MTA3
BT40-MTA3-180	2	40	180	MTA3
BT40-MTA4-90	1	50	90	MTA4
BT40-MTA4-165	2	50	165	MTA4
BT50-MTA1-45	1	25	45	MTA1
BT50-MTA1-120	2	25	120	MTA1
BT50-MTA1-180	2	25	180	MTA1
BT50-MTA2-45	1	32	45	MTA2
BT50-MTA2-135	2	32	135	MTA2
BT50-MTA2-180	2	32	180	MTA2
BT50-MTA3-60	1	40	60	MTA3
BT50-MTA3-150	2	40	150	MTA3
BT50-MTA3-180	2	40	180	MTA3
BT50-MTA4-75	1	50	75	MTA4
BT50-MTA4-180	2	50	180	MTA4
BT50-MTA5-105	1	65	105	MTA5
BT50-MTA5-210	2	65	210	MTA5



MTB 斜柄鑽頭套筒刀柄 MORSE TAPER HOLDER B TYPE

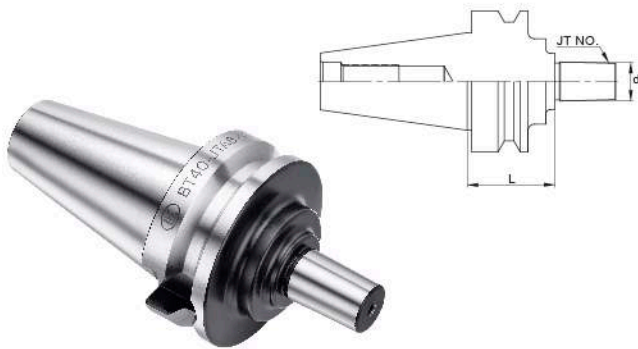
MODEL NO.	D	L	G	MT.NO.
BT40-MTB1-45	25	45	M6	MTB1
BT40-MTB2-45	32	45	M10	MTB2
BT40-MTB2-120	32	120	M10	MTB2
BT40-MTB2-180	32	180	M10	MTB2
BT40-MTB3-75	40	75	M12	MTB3
BT40-MTB3-135	40	135	M12	MTB3
BT40-MTB3-180	40	180	M12	MTB3
BT40-MTB4-90	50	90	M16	MTB4
BT50-MTB1-45	25	45	M6	MTB1
BT50-MTB1-105	25	105	M6	MTB1
BT50-MTB2-45	32	45	M10	MTB2
BT50-MTB2-135	32	135	M10	MTB2
BT50-MTB3-60	40	60	M12	MTB3
BT50-MTB3-135	40	135	M12	MTB3
BT50-MTB3-150	40	150	M12	MTB3
BT50-MTB3-180	40	180	M12	MTB3
BT50-MTB4-75	50	75	M16	MTB4
BT50-MTB4-150	50	150	M16	MTB4
BT50-MTB4-180	50	180	M16	MTB4
BT50-MTB5-105	65	105	M20	MTB5

1. 以上刀柄皆內附螺絲。
2. 只有BT40-MTB4不附螺絲，需使用指定拉桿。



MTB 專用拉頭 MTB PULL STUD

MODEL NO.	MT.NO.	G	θ°
BT40-45°-MTB4	MTB4	M16xP2.0	45°
JIS-B6339-40PA-MTB4	MTB4	M16xP2.0	-

**JTA 斜柄鑽帽心軸 DRILL CHUCK HOLDER/JTA**

MODEL NO.	JT.NO.	L	d
BT30-JTA1-45	JTA1	45	9.754
BT30-JTA6-45	JTA6	45	17.17
BT40-JTA6-45	JTA6	45	17.17
BT40-JTA6-90	JTA6	90	17.17
BT50-JTA6-45	JTA6	45	17.17
BT50-JTA6-105	JTA6	105	17.17

**OZ 立銑刀夾頭 COLLET CHUCK/OZ**

MODEL NO.	Clamping Range	L	D	Collet
BT30-OZ25-70	3-25	70	60	OZ25
BT40-OZ25-80	3-25	80	60	OZ25
BT40-OZ32-85	6-32	85	72	OZ32
BT50-OZ25-90	3-25	90	60	OZ25
BT50-OZ32-100	6-32	100	72	OZ32

**APU 一體式鑽頭夾頭刀柄 DRILL CHUCK HOLDER/APU**

MODEL NO.	Clamping Range	D	L	L1
BT30-APU08-90	0.3-8	37.5	90	60.6
BT30-APU13-105	1-13	50.5	105	80.5
BT40-APU08-90	0.3-8	37.5	90	60.5
BT40-APU13-90	1-13	50.5	90	80.5
BT40-APU13-105	1-13	50.5	105	80.5
BT40-APU13-130	1-13	50.5	130	80.5
BT40-APU16-115	3-16	57	115	85
BT50-APU08-100	0.3-8	37.5	100	60.5
BT50-APU13-125	1-13	50.5	125	80.5
BT50-APU13-185	1-13	50.5	185	80.5
BT50-APU16-135	3-16	57	135	85
BT50-APU16-185	3-16	57	185	85

**OZ 筒夾 OZ COLLET**

MODEL NO.	D	L	d
OZ25	25.5	52	6、8、10、12、16、20
OZ32	44	60	6、8、10、12、16、20、25、32

**OZ 扳手 OZ WRENCH**

MODEL NO.	L	A
OZ25	260	47
OZ32	280	57

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



ABH 微調搪孔刀柄 MICRO BORING HOLDER/ABH

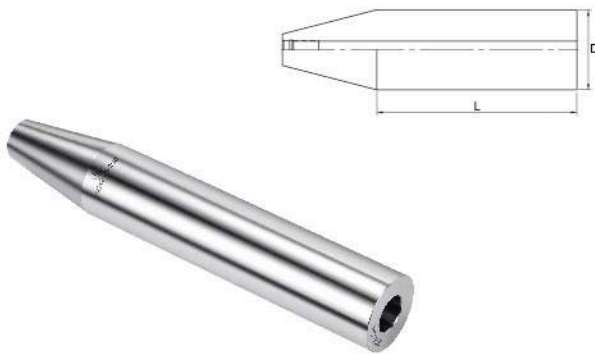
MODEL NO.	Min-Max	L	L1	D	D1	G
BT40-ABH18-60	22-32	60	32	18	24	M10xP1.5
BT40-ABH18-100	22-32	100	72	18	24	M10xP1.5
BT40-ABH23-80	28-46	80	52	23	29	M12xP1.75
BT40-ABH23-120	28-46	120	92	23	29	M12xP1.75
BT40-ABH30-80	36-60	80	52	30	36	M16xP2.0
BT40-ABH30-120	36-60	120	92	30	36	M16xP2.0
BT40-ABH40-80	46-80	80	52	40	46	M18xP2.5
BT40-ABH40-120	46-80	120	92	40	46	M18xP2.5
BT40-ABH63-80	70-130	80	52	63	-	M25xP2.0
BT40-ABH63-120	70-130	120	92	63	-	M25xP2.0
BT50-ABH18-60	22-32	60	32	18	24	M10xP1.5
BT50-ABH18-100	22-32	100	63	18	24	M10xP1.5
BT50-ABH23-80	28-46	80	42	23	29	M12xP1.75
BT50-ABH23-120	28-46	120	82	23	29	M12xP1.75
BT50-ABH30-80	36-60	80	42	30	36	M16xP2.0
BT50-ABH30-120	36-60	120	82	30	36	M16xP2.0
BT50-ABH40-80	46-80	80	42	40	46	M18xP2.5
BT50-ABH40-120	46-80	120	82	40	46	M18xP2.5
BT50-ABH40-200	46-80	200	162	40	46	M18xP2.5
BT50-ABH40-250	46-80	250	212	40	46	M18xP2.5
BT50-ABH63-80	70-130	80	42	63	66	M25xP2.0
BT50-ABH63-120	70-130	120	82	63	66	M25xP2.0
BT50-ABH63-200	70-130	200	162	63	66	M25xP2.0
BT50-ABH63-250	70-130	250	212	63	66	M25xP2.0
* BT50-ABH83-250	90-160	250	212	83	86	-
* BT50-ABH83-300	90-160	300	262	83	86	-

*:為減重設計。



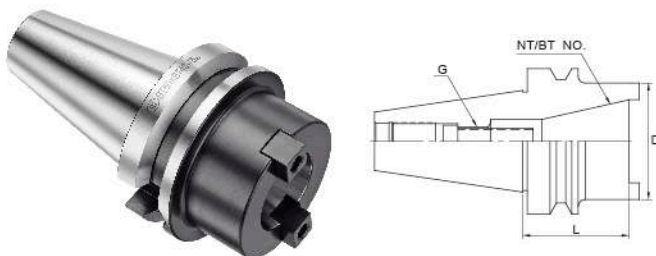
鎖牙式刀桿 SCREWED END MILL HOLDER

MODEL NO.	L	L1	d	D	D1	G
BT40-M8-50	50	15	8.5	17	18	M8
BT40-M8-50-S	50	15	8.5	15	16	M8
BT40-M8-60	60	25	8.5	17	18	M8
BT40-M8-60-S	60	25	8.5	15	16	M8
BT40-M10-60	60	25	10.5	18	23	M10
BT40-M10-60-S	60	23	10.5	18	19	M10
BT40-M10-80	80	43	10.5	18	24	M10
BT40-M10-80-S	80	30	10.5	18	19	M12
BT40-M12-50	50	15	12.5	21	23	M12
BT40-M12-60	60	25	12.5	21	24	M12
BT40-M12-80	80	43	12.5	23	24.5	M12
BT40-M12-80-H	80	43	12.5	23	29	M12
BT40-M12-100	100	61	12.5	23	24	M12
BT40-M16-60	60	25	17	30	31.5	M16
BT40-M16-80	80	45	17	30	31.5	M16
BT40-M16-100	100	62	17	30	34	M16
BT40-M16-100-S	100	50	17	29	31	M16
BT40-M16-120	120	88	17	29	39	M16
BT50-M12-100	100	61	12.5	21	24	M12
BT50-M12-125	125	77	12.5	21	28	M12
BT50-M16-100	100	61	17	29	34	M16
BT50-M16-125	125	77	17	29	36	M16
BT50-M16-150	150	102	17	29	40	M16



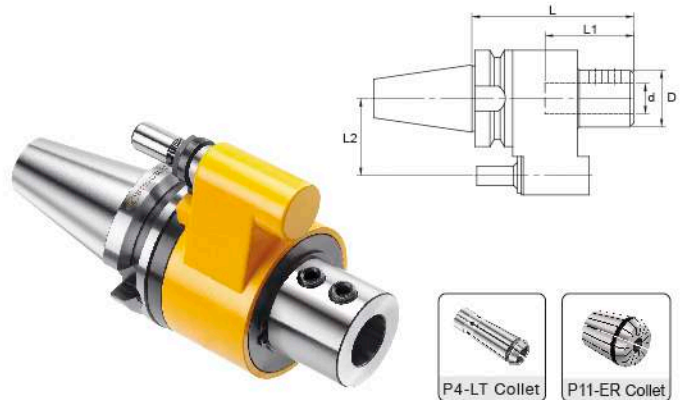
測試棒 TEST BAR

MODEL NO.	D	L	Roundness 真圓度	Concentricity 同心度
ISO30-32-150	32	150	<0.0015	<0.003
ISO30-32-200	32	200	<0.0015	<0.003
ISO30-32-250	32	250	<0.002	<0.004
ISO30-32-300	32	300	<0.002	<0.004
ISO40-45-150	45	150	<0.0015	<0.003
ISO40-45-200	45	200	<0.0015	<0.003
ISO40-45-250	45	250	<0.002	<0.004
ISO40-45-300	45	300	<0.002	<0.004
ISO40-45-350	45	350	<0.002	<0.005
ISO50-60-200	60	200	<0.0015	<0.003
ISO50-60-250	60	250	<0.002	<0.004
ISO50-60-300	60	300	<0.002	<0.004
ISO50-60-350	60	350	<0.002	<0.005
ISO50-60-400	60	400	<0.002	<0.005



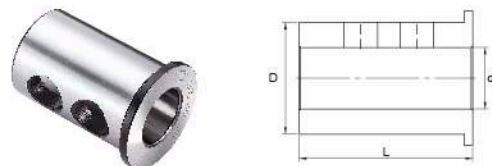
TSA 異徑套筒 ADAPTER/TSA

MODEL NO.	D	L	G
BT50-TSA-BT30-60	65	60	M12
BT50-TSA-NT30-60-U	65	60	W1/2
BT50-TSA-BT40-75	80	75	M16
BT50-TSA-SK40-75	80	75	M16
BT50-TSA-NT40-75-U	80	75	W5/8
BT50-TSA-NT40-75-M	80	75	M16
NT50-TSA-NT40-45-U	80	45	W5/8
NT50-TSA-NT40-45-M	80	45	M16



OSL油路刀把 EXTERNAL COOLANT INDUCER/OSL

MODEL NO.	d	D	L	L1	L2
BT30-OLT25-130	LT25	58	130	-	55
BT40-OSL20-165	20	50	165	50	65
BT40-OSL25-165	25	50	165	56	65
BT40-OSL32-165	32	50	165	60	65
BT50-OSL16-165	16	48	165	48	80
BT50-OSL20-165	20	48	165	50	80
BT50-OSL25-165	25	55	165	56	80
BT50-OSL32-165	32	60	165	60	80
BT50-OSL40-170	40	60	170	70	80
BT50-OSL40(B)-170	40	90	170	70	80
BT40-OLR32-150	LR32	50	150	-	65
BT50-OLR32-160	LR32	50	160	-	80

PS: $\phi 50$ 以上鉗頭，建議使用OSL40(B)。

OSL 套筒 STRAIGHT SLEEVE/OSL

MODEL NO.	d	D	L
OSL32-10	10	32	60
OSL32-12	12	32	60
OSL32-16	16	32	60
OSL32-20	20	32	60
OSL32-25	25	32	60
OSL40-20	20	40	65
OSL40-25	25	40	65
OSL40-32	32	40	65

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

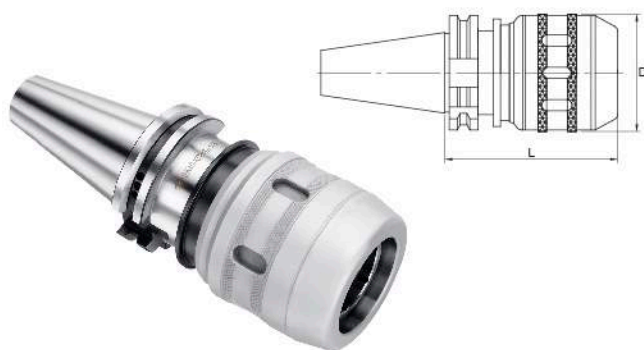
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

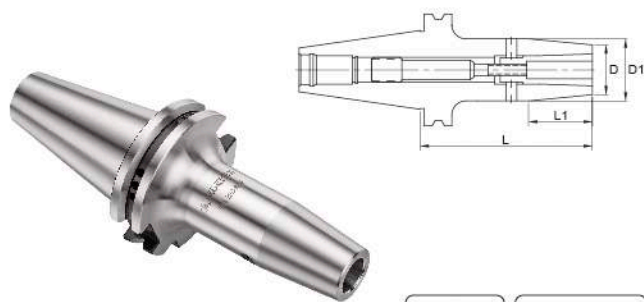
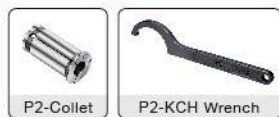
直柄/斜柄

配件
Accessories減震刀桿
Damped tool series

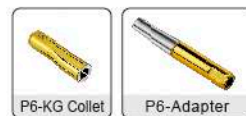


KCH 強力型精密銑刀夾頭 POWER GRIP MILLING CHUCK/KCH

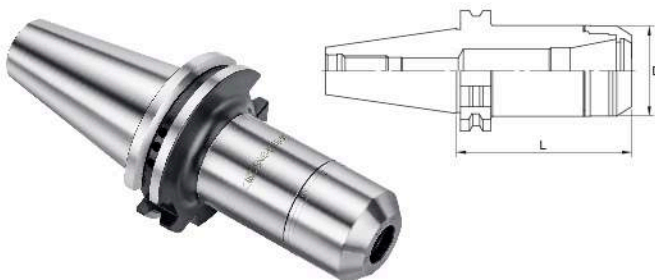
MODEL NO.	Clamping Range	L	D	Collet
SK40-KCH16-90	4-16	90	42	C16
SK40-KCH20-90	6-20	90	52	C20
SK40-KCH25-90	6-25	90	60	C25
SK40-KCH32-105	4-32	105	68	C32
SK50-KCH16-105	4-16	105	42	C16
SK50-KCH20-105	6-20	105	52	C20
SK50-KCH20-135	6-20	135	52	C20
SK50-KCH20-165	6-20	165	52	C20
SK50-KCH20-200	6-20	200	52	C20
SK50-KCH25-105	6-25	105	60	C25
SK50-KCH25-135	6-25	135	60	C25
SK50-KCH25-165	6-25	165	60	C25
SK50-KCH25-200	6-25	200	60	C25
SK50-KCH32-105	4-32	105	68	C32
SK50-KCH32-135	4-32	135	68	C32
SK50-KCH32-165	4-32	165	68	C32
SK50-KCH42-105	6-42	105	87	C42



KG 後拉式高精度銑刀夾頭 COLLET CHUCK/KG



MODEL NO.	Clamping Range	L	L1	D	D1	Collet
SK40-KG08-100	3-10	100	38	23	30	KG08
SK40-KG08-125	3-10	125	36	23	30	KG08
SK40-KG08-150	3-10	150	36	23	30	KG08
SK40-KG08-150-S	3-10	150	123	22	32	KG08
SK40-KG14-100	6-14	100	45	26	34	KG14
SK40-KG14-125	6-14	125	40	26	34	KG14
SK40-KG14-150	6-14	150	40	26	34	KG14
SK50-KG08-100	3-10	100	38	23	30	KG08
SK50-KG14-100	6-14	100	45	26	34	KG14

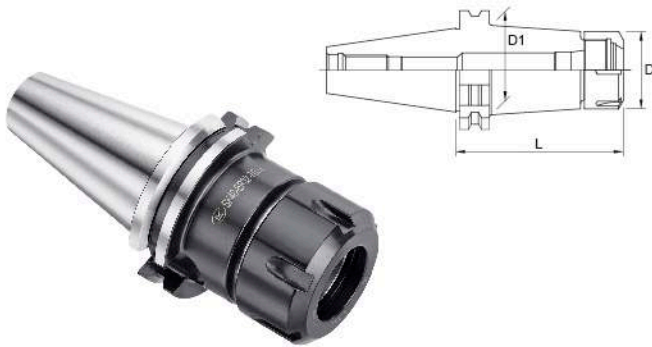


LT 高精度銑刀夾頭 COLLET CHUCK/LT

MODEL NO.	Clamping Range	D	L	Collet
SK40-LT06-90	2-6	20	90	LT06
SK40-LT10-90	2-10.3	35	90	LT10
SK40-LT16-90	4-16	46	90	LT16
SK40-LT25-90	8-25	58	90	LT25
SK50-LT06-100	2-6	20	100	LT06
SK50-LT10-100	2-10.3	35	100	LT10
SK50-LT10-150	2-10.3	35	150	LT10
SK50-LT10-200	2-10.3	35	200	LT10
SK50-LT16-100	4-16	46	100	LT16
SK50-LT16-150	4-16	46	150	LT16
SK50-LT16-200	4-16	46	200	LT16
SK50-LT25-100	8-25	58	100	LT25
SK50-LT25-150	8-25	58	150	LT25
SK50-LT25-200	8-25	58	200	LT25

PS: LT10有勾型螺帽及軸承型螺帽可選用。



**ER 銑刀夾頭** SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	L	D	D1
SK40-ER16-70	0.5-10	70	28	-
SK40-ER16-100	0.5-10	100	28	-
SK40-ER20-70	1-13	70	34	-
SK40-ER20-100	1-13	100	34	-
SK40-ER25-80	1-16	80	42	-
SK40-ER25-100	1-16	100	42	-
SK40-ER32-70	2-20	70	50	-
SK40-ER32-100	2-20	100	50	-
SK40-ER40-80	2-26	80	63	-
SK40-ER40-100	2-26	100	63	-

SK50-ER16-100	0.5-10	100	28	-
SK50-ER16-150	0.5-10	150	28	32
SK50-ER16-200	0.5-10	200	28	36
SK50-ER20-100	1-13	100	34	-
SK50-ER20-150	1-13	150	34	-
SK50-ER20-200	1-13	200	34	42
SK50-ER20-250	1-13	250	34	42
SK50-ER20-300	1-13	300	34	42
SK50-ER25-100	1-16	100	42	-
SK50-ER25-150	1-16	150	42	-
SK50-ER25-200	1-16	200	42	46
SK50-ER32-100	2-20	100	50	-
SK50-ER32-150	2-20	150	50	-
SK50-ER32-200	2-20	200	50	58
SK50-ER32-250	2-20	250	50	58
SK50-ER32-300	2-20	300	50	58
SK50-ER40-100	2-26	100	63	-
SK50-ER40-150	2-26	150	63	-
SK50-ER40-200	2-26	200	63	-
SK50-ER40-250	2-26	250	65	65



P11-ER Collet



P10-ER Wrench



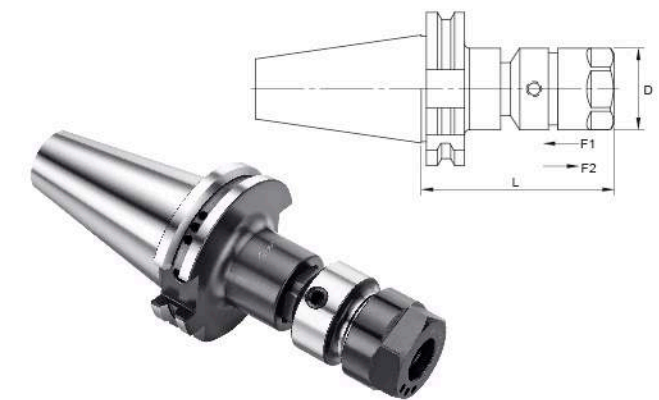
P10-ER Nut

**TPA 伸縮扭力攻牙器** TENSION & COMPRESSION TAP HOLDER

MODEL NO.	Tapping Range	L	D	F1	F2	Collet Type
SK40-TPA316	M3-M16	155	53	10	20	TPA316
SK40-TPA830	M8-M30	210	68	10	25	TPA830
SK50-TPA316	M3-M16	145	53	10	20	TPA316
SK50-TPA830	M8-M30	200	68	10	25	TPA830



P8-TPA Collet

**ER 伸縮攻牙器** RIGID TAP HOLDER/TER

MODEL NO.	Tapping Range	L	D	F1	F2
SK40-TER16-75	M3-M12	75	28	4	8
SK40-TER20-100	M4-M16	100	34	4	8
SK40-TER32-100	M8-M27	100	50	4	10
SK50-TER16-100	M3-M12	100	28	4	8
SK50-TER20-100	M4-M16	100	34	4	8
SK50-TER32-100	M8-M27	100	50	4	10

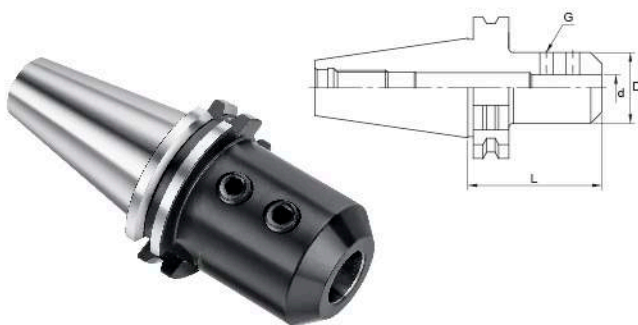


P11-ER Collet



一體式鑽夾頭刀柄 DRILL CHUCK HOLDER/APU

MODEL NO.	Clamping Range	D	L	L1
SK40-APU08-80	0.3-8	37.5	80	60.6
SK40-APU13-100	1-13	50.5	100	80.5
SK40-APU16-110	3-16	57	110	85
SK50-APU13-100	1-13	50.5	100	80.5
SK50-APU16-110	3-16	57	110	85



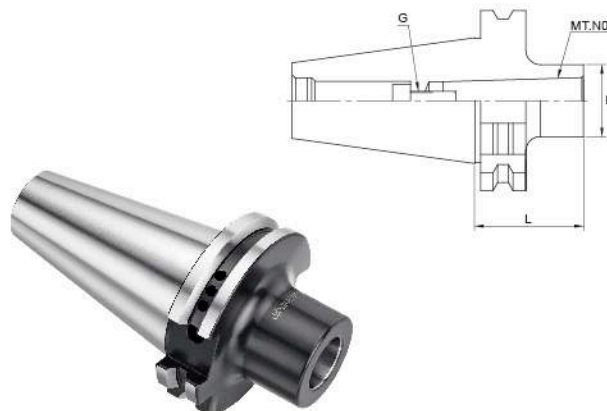
SLA 側固式立銑刀柄 SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	d	D	L	G
SK40-SLA6-60	6	25	60	M6
SK40-SLA8-60	8	30	60	M8
SK40-SLA10-60	10	34	60	M8
SK40-SLA12-75	12	38	75	M10
SK40-SLA16-75	16	45	75	M10
SK40-SLA20-75	20	50	75	M10
SK40-SLA25-100	25	57	100	M16
SK40-SLA32-100	32	60	100	M16
SK50-SLA10-75	10	34	75	M8
SK50-SLA12-75	12	38	75	M10
SK50-SLA16-75	16	45	75	M10
SK50-SLA20-75	20	50	75	M10
SK50-SLA25-80	25	58	80	M16
SK50-SLA32-100	32	62	100	M16
SK50-SLA40-100	40	77	100	M20



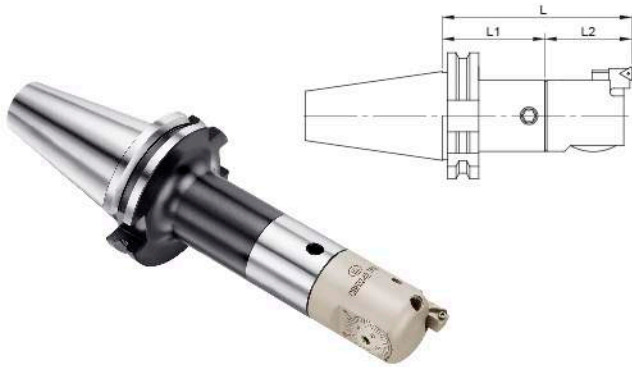
MTA 斜柄鑽頭套筒刀柄 MORSE TAPER HOLDER A TYPE/MTA

MODEL NO.	D	L	MT.NO.
SK40-MTA1-45	25	45	MTA1
SK40-MTA2-45	32	45	MTA2
SK40-MTA3-75	40	75	MTA3
SK40-MTA4-90	50	90	MTA4
SK50-MTA2-60	32	60	MTA2
SK50-MTA3-65	40	65	MTA3
SK50-MTA4-90	50	90	MTA4
SK50-MTA5-105	65	105	MTA5



MTB 斜柄鑽頭套筒刀柄 MORSE TAPER HOLDER B TYPE/MTB

MODEL NO.	D	L	G	MT.NO.
SK40-MTB1-45	25	45	M6	MT1
SK40-MTB2-45	32	45	M10	MT2
SK40-MTB3-75	40	75	M12	MT3
SK40-MTB4-90	50	90	M16	MT4
SK50-MTB3-75	40	75	M12	MT2
SK50-MTB4-90	50	90	M16	MT3

**CK 雙刃粗(精)搪刀桿 CK BORING HOLDER**

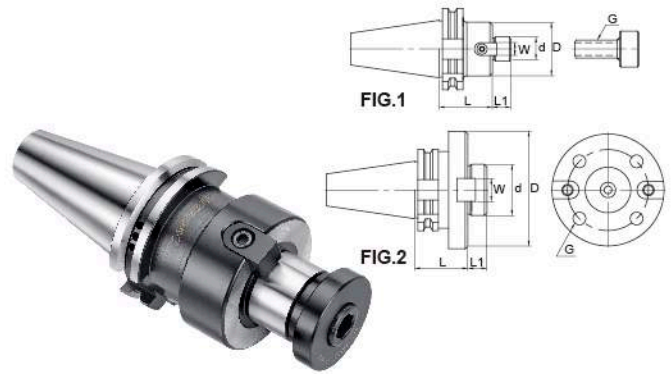
MODEL NO.	L	L1	L2	Min-Max	Cutter
SK40-CK2-120	120	82	38	25-33	RBH25, CBH25
SK40-CK2-150	150	112	38	25-33	RBH25, CBH25
SK40-CK3-135	135	94	41	32-42	RBH32, CBH32
SK40-CK3-165	165	124	41	32-42	RBH32, CBH32
SK40-CK4-135	135	88	47	40-55	RBH40, CBH40
SK40-CK4-165	165	118	47	40-55	RBH40, CBH40
SK40-CK5-135	135	78	57	52-70	RBH52, CBH52
SK40-CK5-165	165	108	57	52-70	RBH52, CBH52
SK40-CK6-135	135	64	71	68-92	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150
SK40-CK6-165	165	94	71	90-122	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150
SK50-CK2-150	150	112	38	25-33	RBH25, CBH25
SK50-CK2-180	180	142	38	25-33	RBH25, CBH25
SK50-CK3-165	165	124	41	32-42	RBH32, CBH32
SK50-CK3-195	195	154	41	32-42	RBH32, CBH32
SK50-CK4-165	165	118	47	40-55	RBH40, CBH40
SK50-CK4-200	200	153	47	40-55	RBH40, CBH40
SK50-CK5-165	165	108	57	52-70	RBH52, CBH52
SK50-CK5-240	240	183	57	52-70	RBH52, CBH52
SK50-CK6-165	165	94	71	68-92	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150
SK50-CK6-240	240	169	71	90-122	RBH68, CBH68, LBJ16, RBH90, CBH100, CBH150



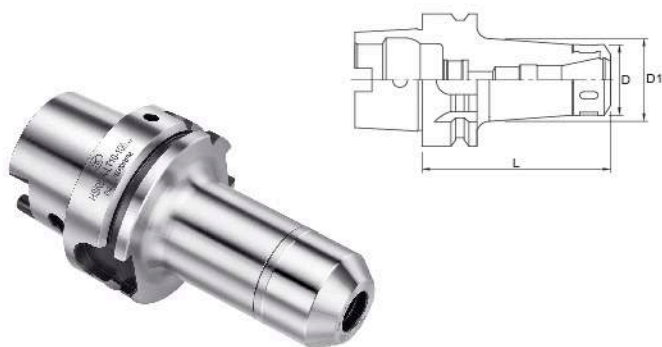
P24-Boring Head



P24-Adapter

**FMA/FMB 平面銑刀 FACE MILL A&B TYPE**

MODEL NO.	Fig	L	L1	d	D	W	G
SK40-FMA25.4-55	1	55	19	25.4	55	9.5	M12
SK40-FMA31.75-60	1	60	21	31.75	60	12.7	M12
SK40-FMA16-40	1	40	17	16	38	8	M8
SK40-FMB22-40	1	40	18	22	45	10	M10
SK40-FMB22-100	1	100	18	22	45	10	M10
SK40-FMB27-55	1	55	20	27	55	12	M12
SK40-FMB32-60	1	60	21	32	60	14	M16
SK40-FMB40-60	1	60	21	40	78	16	M16
SK40-FMB40-60-F	2	60	21	40	78	16	M12
SK50-FMB16-40	1	40	17	16	-	8	M8
SK50-FMB22-40	1	40	18	22	45	10	M10
SK50-FMB22-75	1	75	18	22	45	10	M10
SK50-FMB27-40	1	40	20	27	60	12	M12
SK50-FMB27-75	1	75	20	27	60	12	M12
SK50-FMB32-60	1	60	21	32	70	14	M16
SK50-FMB32-75	1	75	21	32	70	14	M16
SK50-FMB40-60	1	60	21	40	80	16	M16
SK50-FMB40-75	1	75	21	40	80	16	M16
SK50-FMA31.75-150	1	150	21	31.75	70	12.7	M12
SK50-FMA31.75-200	1	200	21	31.75	70	12.7	M12
SK50-FMA47.625-75	2	75	32	47.625	128	25.4	M16



LT 高精度銑刀夾頭 COLLET CHUCK/LT

MODEL NO.	Clamping Range	D	D1	L	Collet
HSK40A-LT10-90-S	2-10.3	30	-	90	LT10
HSK63A-LT06-100	2-6	20	23	100	LT06
HSK63A-LT06-125	2-6	20	25	125	LT06
HSK63A-LT06-150	2-6	20	27	150	LT06
HSK63A-LT10-100	2-10.3	35	-	100	LT10
HSK63A-LT10-125	2-10.3	35	-	125	LT10
HSK63A-LT10-150	2-10.3	35	-	150	LT10
HSK63A-LT10-200	2-10.3	35	40	200	LT10
HSK63A-LT16-100	4-16	46	-	100	LT16
HSK63A-LT16-125	4-16	46	-	125	LT16
HSK63A-LT16-150	4-16	46	-	150	LT16
HSK63A-LT16-200	4-16	46	-	200	LT16
HSK63A-LT25-105	8-25	58	-	105	LT25
HSK63A-LT25-125	8-25	58	-	125	LT25
HSK63A-LT25-150	8-25	58	-	150	LT25
HSK63A-LT25-200	8-25	58	-	200	LT25
HSK100A-LT10-130	2-10.3	35	-	130	LT10
HSK100A-LT10-160	2-10.3	35	40	160	LT10
HSK100A-LT10-200	2-10.3	35	42	200	LT10
HSK100A-LT16-120	4-16	46	-	120	LT16
HSK100A-LT16-160	4-16	46	52	160	LT16
HSK100A-LT16-200	4-16	46	52	200	LT16
HSK100A-LT25-120	8-25	58	-	120	LT25
HSK100A-LT25-160	8-25	58	60	160	LT25
HSK100A-LT25-200	8-25	58	62	200	LT25

PS: LT10有勾型螺帽及軸承型螺帽可選用。



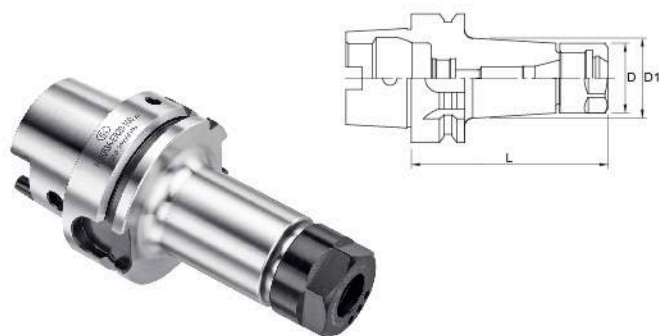
P4-LT Collet



P4-LT Wrench



P4-LT Nut



ER 銑刀夾頭 SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	D	D1	L
HSK40A-ER20-80	1-13	34	-	80
HSK63A-ER16-80	0.5-10	28	-	80
HSK63A-ER16-100	0.5-10	28	-	100
HSK63A-ER16-120	0.5-10	28	-	120
HSK63A-ER16-150	0.5-10	28	-	150
HSK63A-ER20-80	1-13	34	-	80
HSK63A-ER20-100	1-13	34	-	100
HSK63A-ER20-120	1-13	34	-	120
HSK63A-ER20-150	1-13	34	-	150
HSK63A-ER25-80	1-16	42	-	80
HSK63A-ER25-100	1-16	42	-	100
HSK63A-ER25-120	1-16	42	-	120
HSK63A-ER25-150	1-16	42	-	150
HSK63A-ER32-80	2-20	50	-	80
HSK63A-ER32-100	2-20	50	-	100
HSK63A-ER32-120	2-20	50	-	120
HSK63A-ER32-150	2-20	50	-	150
HSK63A-ER40-80	3-26	63	-	80
HSK63A-ER40-100	3-26	63	-	100
HSK63A-ER40-120	3-26	63	-	120
HSK100A-ER20-130	1-13	34	-	130
HSK100A-ER20-160	1-13	34	-	160
HSK100A-ER20-200	1-13	34	42	200
HSK100A-ER25-130	1-16	42	-	130
HSK100A-ER25-160	1-16	42	-	160
HSK100A-ER25-200	1-16	42	46	200
HSK100A-ER32-130	2-20	50	-	130
HSK100A-ER32-160	2-20	50	-	160
HSK100A-ER32-200	2-20	50	54	200
HSK100A-ER40-130	3-26	63	-	130



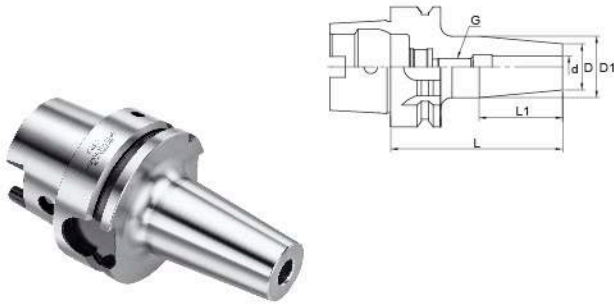
P11-ER Collet



P10-ER Wrench



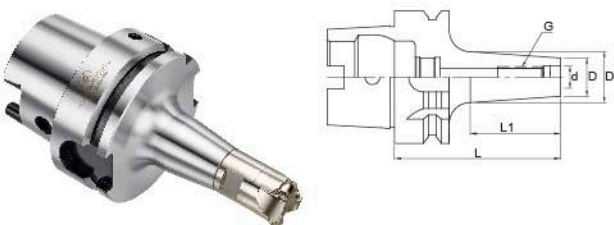
P10-ER Nut

**HSK 燒結式專用刀桿 SHRINK FIT CHUCK/HSK**

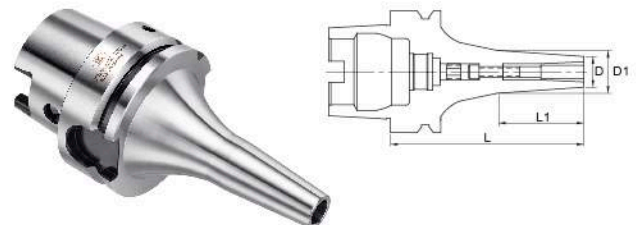
MODEL NO.	d	D	D1	L	L1	G
HSK63A-HSL06-80	6	20	26	80	38	M8xP1.25
HSK63A-HSL06-130	6	20	26	130	38	M8xP1.25
HSK63A-HSL08-80	8	21	27	80	38	M6xP1.0
HSK63A-HSL08-130	8	21	27	130	38	M6xP1.0
HSK63A-HSL10-85	10	24	32	85	50	M8xP1.25
HSK63A-HSL10-130	10	24	32	130	50	M8xP1.25
HSK63A-HSL12-90	12	24	32	90	50	M10xP1.5
HSK63A-HSL12-130	12	24	32	130	50	M10xP1.5
HSK63A-HSL16-95	16	27	34	95	45	M10xP1.5
HSK63A-HSL16-130	16	27	34	130	45	M10xP1.5
HSK63A-HSL06-80-S	6	14	20	80	38	M8xP1.25
HSK63A-HSL08-80-S	8	16	20	80	38	M6xP1.0
HSK63A-HSL10-85-S	10	18	24	85	38	M8xP1.25
HSK63A-HSL12-90-S	12	20	26	90	38	M10xP1.5

**KG 後拉式高精度銑刀夾頭 COLLET CHUCK/KG**

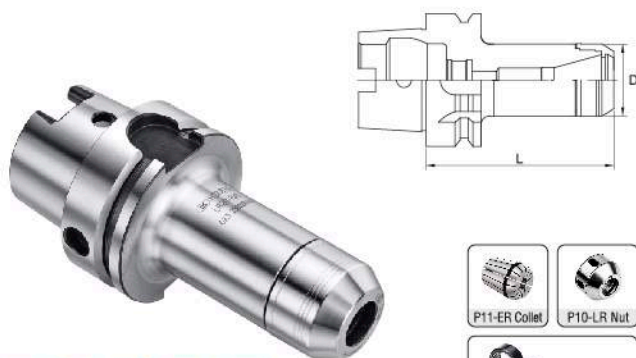
MODEL NO.	Clamping Range	L	L1	D	D1	Collet
HSK63A-KG08-95	3-10	95	36	23	30	KG08
HSK63A-KG08-120	3-10	120	36	24	30	KG08
HSK63A-KG08-150	3-10	150	36	24	30	KG08
HSK63A-KG08-200	3-10	200	36	24	30	KG08
HSK63A-KG14-105	6-14	105	36	26	34	KG14
HSK63A-KG14-125	6-14	125	45	28	34	KG14
HSK63A-KG14-150	6-14	150	45	28	34	KG14
HSK63A-KG14-200	6-14	200	45	26	34	KG14
HSK63A-KG08-120-S	3-10	120	-	22	32	KG08
HSK63A-KG08-150-S	3-10	150	-	22	32	KG08
HSK63A-KG08-200-S	3-10	200	-	22	32	KG08
HSK63A-KG14-150-S	6-14	150	-	25	36	KG14
HSK63A-KG14-200-S	6-14	200	-	25	36	KG14
HSK100A-KG08-160	3-10	160	50	24	30	KG08
HSK100A-KG08-200	3-10	200	60	24	30	KG08
HSK100A-KG14-160	6-14	160	60	26	34	KG14
HSK100A-KG14-200	6-14	200	60	26	34	KG14
HSK100A-KG20-130	10-20	130	50	38	38	KG20

**M 鎖牙式刀桿 SCREWED END MILL HOLDER**

MODEL NO.	L	L1	d	D	D1	G
HSK63A-M8-50	50	16	8.5	17	18	M8xP1.25
HSK63A-M10-60	60	26	10.5	18	23	M10xP1.5
HSK63A-M10-80	80	44	10.5	20	24	M10xP1.5
HSK63A-M12-60	60	26	12.5	23	24	M12xP1.75
HSK63A-M12-80	80	44	12.5	21	24	M12xP1.75
HSK63A-M16-80	80	46	17	29	34	M16xP2.0
HSK63A-M16-100	100	66	17	34	34	M16xP2.0

**LB 後拉式高精度銑刀夾頭 COLLET CHUCK/LB**

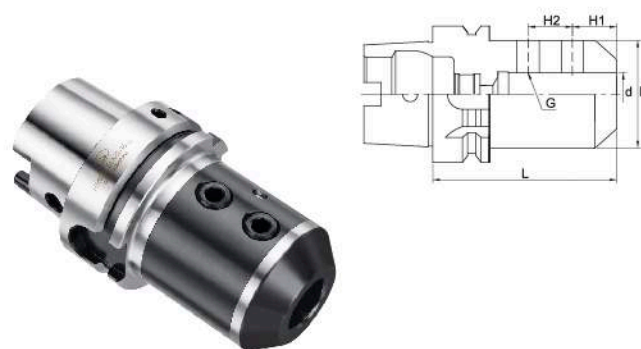
MODEL NO.	Clamping Range	L	L1	D	D1	Collet
HSK63A-LB6-100	2.6-6	100	45	14	20.5	LB6
HSK63A-LB6-125	2.6-6	125	70	14	22	LB6
HSK63A-LB6-150	2.6-6	150	80	14	22	LB6
HSK63A-LB8-82	2.6-8	82	38	19	24	LB8
HSK63A-LB8-100	2.6-8	100	38	19	24	LB8
HSK63A-LB8-125	2.6-8	125	63	19	24	LB8



LR 整數柄銑刀夾頭 INTEGER HANDLE COLLET CHUCK/LR

MODEL NO.	Clamping Range	D	L	COLLET
HSK63A-LR16-100	1-10	30	100	ER16
HSK63A-LR16-125	1-10	30	125	ER16
HSK63A-LR20-100	2-13	35	100	ER20
HSK63A-LR20-125	2-13	35	125	ER20
HSK63A-LR25-100	2-16	42	100	ER25
HSK63A-LR25-125	2-16	42	125	ER25
HSK63A-LR32-100	3-20	50	100	ER32
HSK63A-LR32-125	3-20	50	125	ER32
HSK100A-LR16-130	1-10	30	130	ER16
HSK100A-LR20-130	2-13	35	130	ER20
HSK100A-LR20-160	2-13	35	160	ER20
HSK100A-LR20-200	2-13	35	200	ER20
HSK100A-LR25-130	2-10	42	130	ER25
HSK100A-LR25-160	2-10	42	160	ER25
HSK100A-LR32-120	3-20	50	120	ER32
HSK100A-LR32-160	3-20	50	160	ER32
HSK100A-LR32-200	3-20	50	200	ER32

PS: LR20, LR25有勾型螺帽及軸承型螺帽可選用。



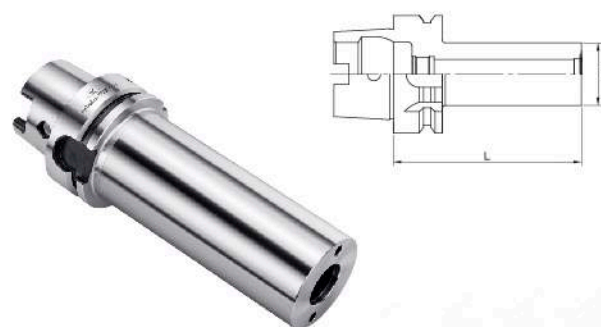
SLA 側固式立銑刀柄 SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	d	D	L	H1	H2	G
HSK63A-SLA12-85	12	38	85	18	16	M10
HSK63A-SLA16-85	16	45	85	20	18	M10
HSK63A-SLA20-85	20	50	85	23	20	M12
HSK63A-SLA25-100	25	58	100	22	25	M16
HSK63A-SLA32-115	32	60	115	23	28	M16
HSK63A-SLA40-115	40	68	115	16	25	M16
HSK100A-SLA20-120	20	50	120	23	20	M12
HSK100A-SLA20-160	20	50	160	23	20	M12
HSK100A-SLA25-120	25	58	120	24	24	M16
HSK100A-SLA25-160	25	58	160	24	24	M16
HSK100A-SLA32-120	32	62	120	24	28	M16
HSK100A-SLA32-160	32	62	160	24	28	M16
HSK100A-SLB32-120	32	60	120	16	22	M16
HSK100A-SLB40-120	40	67	120	15	25	M16



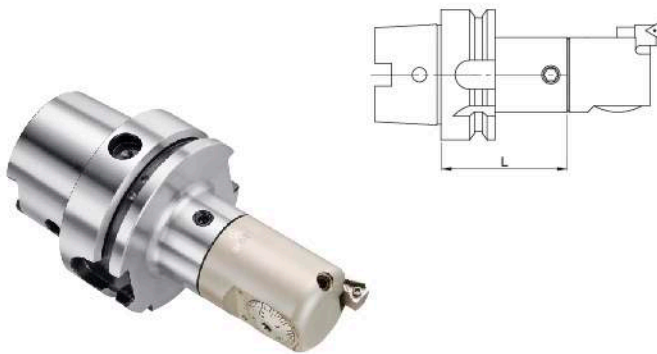
APU 一體式鑽夾頭刀柄 DRILL CHUCK HOLDER/APU

MODEL NO.	Clamping Range	D	L
HSK63A-APU13-140	1-13	50.5	140
HSK100A-APU13-140	1-13	50.5	140

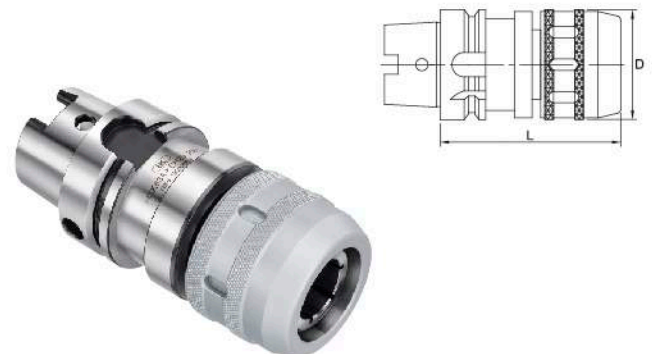


測試棒 TEST BAR

MODEL NO.	D	L	Roundness 真圓度	Concentricity 同心度
HSK63A-150	50	150	<0.0015	<0.003
HSK63A-200	50	200	<0.0015	<0.003
HSK63A-250	50	250	<0.002	<0.004
HSK63A-300	50	300	<0.002	<0.004

**LBK 雙刃粗(精)搪刀桿 BORING HOLDER/LBK**

MODEL NO.	L	Min-Max	Cutter
HSK63A-LBK2-45	45	25-33	RBH25, CBH25
HSK63A-LBK2-60	60	25-33	RBH25, CBH25
HSK63A-LBK2-75	75	25-33	RBH25, CBH25
HSK63A-LBK3-45	45	32-42	RBH32, CBH32
HSK63A-LBK3-75	75	32-42	RBH32, CBH32
HSK63A-LBK3-105	105	32-42	RBH32, CBH32
HSK63A-LBK4-45	45	40-55	RBH40, CBH40
HSK63A-LBK4-75	75	40-55	RBH40, CBH40
HSK63A-LBK4-105	105	40-55	RBH40, CBH40
HSK63A-LBK5-55	55	52-70	RBH52, CBH52
HSK63A-LBK5-75	75	52-70	RBH52, CBH52
HSK63A-LBK5-105	105	52-70	RBH52, CBH52
HSK63A-LBK6-65	65	68-92	RBH68, CBH68, LBJ16
HSK63A-LBK6-90	90	90-122	RBH90, CBH100, CBH150
HSK100A-LBK2-120	120	25-33	RBH25, CBH25
HSK100A-LBK3-120	120	32-42	RBH32, CBH32
HSK100A-LBK4-120	120	40-55	RBH40, CBH40
HSK100A-LBK4-160	160	40-55	RBH40, CBH40
HSK100A-LBK5-120	120	52-70	RBH52, CBH52
HSK100A-LBK5-160	160	52-70	RBH52, CBH52
HSK100A-LBK5-200	200	52-70	RBH52, CBH52
HSK100A-LBK6-120	120	68-92	RBH68, CBH68, LBJ16
HSK100A-LBK6-160	160	90-122	RBH90, CBH100, CBH150
HSK100A-LBK6-200	200		
HSK100A-LBK7-100	100	90-610	RBH90-RBH500
HSK100A-LBK7-150	150		CBH100-CBH500

**KCH 強力型精密銑刀夾頭 POWER GRIP MILLING CHUCK/KCH**

MODEL NO.	Clamping Range	D	L	Collet
HSK63A-KCH16-90	4-16	42	90	C16
HSK63A-KCH20-90	6-20	52	90	C20
HSK63A-KCH25-105	6-25	60	105	C25
HSK63A-KCH32-115	4-32	68	115	C32
HSK100A-KCH16-120	4-16	42	120	C16
HSK100A-KCH20-120	6-20	52	120	C20
HSK100A-KCH20-160	6-20	52	160	C20
HSK100A-KCH20-200	6-20	52	200	C20
HSK100A-KCH20-250	6-20	52	250	C20
HSK100A-KCH25-120	6-25	60	120	C25
HSK100A-KCH25-160	6-25	60	160	C25
HSK100A-KCH25-200	6-25	60	200	C25
HSK100A-KCH32-120	4-32	68	120	C32
HSK100A-KCH32-160	4-32	68	160	C32
HSK100A-KCH32-200	4-32	68	200	C32
HSK100A-KCH32-250	4-32	68	250	C32
HSK100A-KCH42-120	6-42	87	120	C42

PS: KCH16有勾型外蓋及軸承型外蓋可選用。



BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

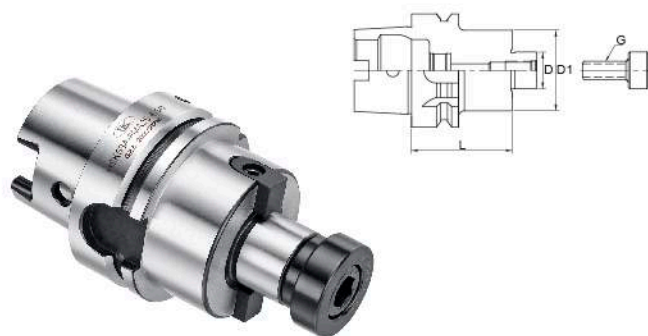
HBT Series

NBT Series

雕刻機刀桿
ISO-8T15-8T20

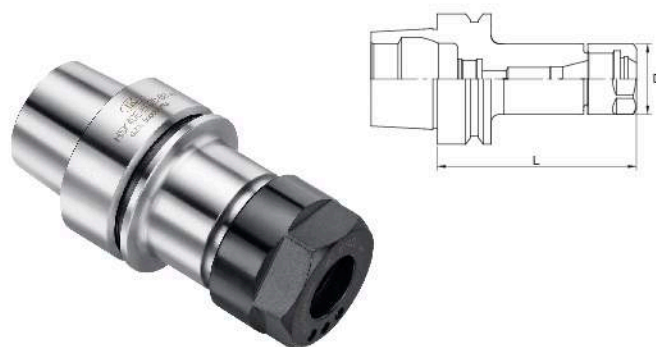
直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



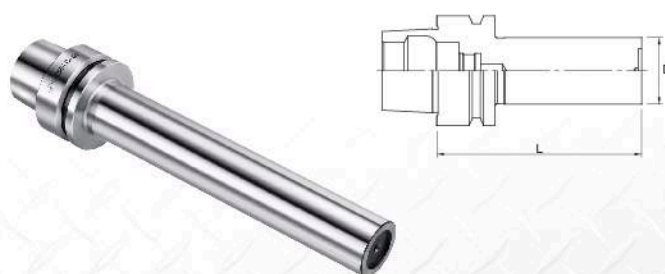
FMA/FMB 平面銑刀 FACE MILL A&B TYPE

MODEL NO.	D	D1	L	G
HSK63A-FMA25.4-50	25.4	52	50	M12
HSK63A-FMA25.4-75	25.4	51	75	M12
HSK63A-FMA25.4-105	25.4	54	105	M12
HSK63A-FMA25.4-150	25.4	54	150	M12
HSK63A-FMB16-45	16	37	45	M8
HSK63A-FMB22-50	22	45	50	M10
HSK63A-FMB22-75	22	47	75	M10
HSK63A-FMB22-105	22	47	105	M10
HSK63A-FMB22-150	22	47	150	M10
HSK63A-FMB22-150-MS	22	40	150	M10
HSK63A-FMB22-200	22	48	200	M10
HSK63A-FMB27-50	27	52	50	M12
HSK63A-FMB27-150	27	58	150	M12
HSK63A-FMB32-150	32	76	150	M16
HSK100A-FMA25.4-75	25.4	58	75	M12
HSK100A-FMA25.4-105	25.4	60	105	M12
HSK100A-FMA25.4-125	25.4	60	125	M12
HSK100A-FMA31.75-75	31.75	70	75	M16
HSK100A-FMA31.75-105	31.75	105	105	M16
HSK100A-FMA50.8-75	50.8	75	75	M16
HSK100A-FMB22-75	22	75	75	M10
HSK100A-FMB22-105	22	105	105	M10
HSK100A-FMB22-125	22	125	125	M10
HSK100A-FMB27-75	27	75	75	M12
HSK100A-FMB27-105	27	105	105	M12
HSK100A-FMB27-125	27	125	125	M12
HSK100A-FMB32-75	32	75	75	M16



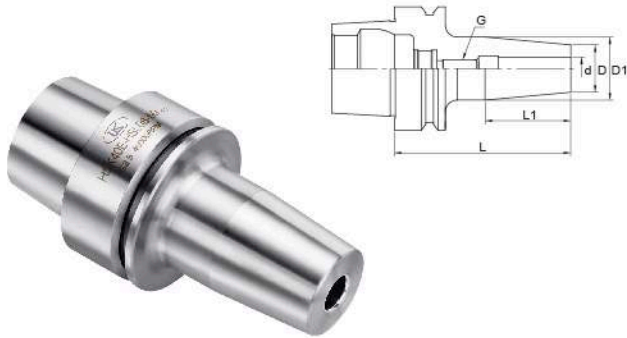
ER 銑刀夾頭 SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	D	L	Nut
HSK32E-ER16-50-M	0.5-10	23	50	ER16(M)
HSK32E-ER16-50-HR	0.5-10	23	50	ER16(HR)
HSK32E-ER20-60	1-13	34	60	ER20(A)
HSK32E-ER20-45-M	1-13	29	45	ER20(M)
HSK32E-ER20-50-M	1-13	29	50	ER20(M)
HSK32E-ER20-60-M	1-13	29	60	ER20(M)
HSK32E-ER20-50-B	1-13	30	50	ER20(B)
HSK32E-ER20-60-B	1-13	30	60	ER20(B)
HSK32E-ER20-50-HR	1-13	31	50	ER20(HR)
HSK32E-ER20-60-HR	1-13	31	60	ER20(HR)
HSK40E-ER16-60	0.5-10	28	60	ER16(A)
HSK40E-ER16-60-M	0.5-10	23	60	ER16(M)
HSK40E-ER16-60-HR	0.5-10	23	60	ER16(HR)
HSK40E-ER20-60	1-13	34	60	ER20(A)
HSK40E-ER20-60-R	1-13	30	60	ER20(R)
HSK40E-ER20-80	1-13	34	80	ER20(A)
HSK40E-ER25-70	1-16	42	70	ER25(UM)
HSK50E-ER20-70	1-13	34	70	ER20(A)
HSK50E-ER25-70	1-16	42	70	ER25(UM)

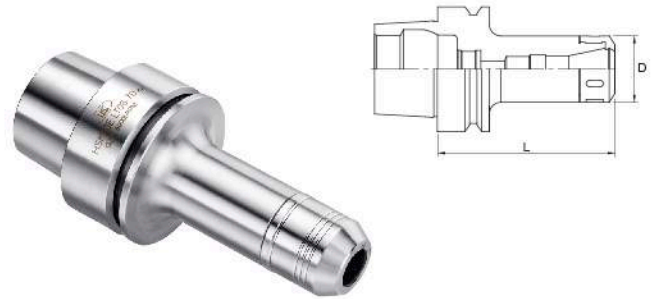


測試棒 TEST BAR

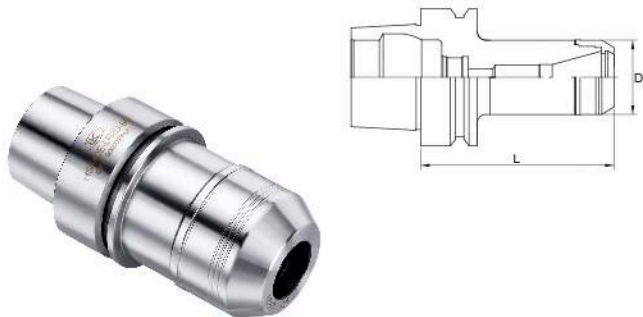
MODEL NO.	D	L	Roundness 真圓度	Concentricity 同心度
HSK50E-200	30	200	<0.0015	<0.003

**HSL 燒結式專用刀桿 SHRINK FIT CHUCK/HSL**

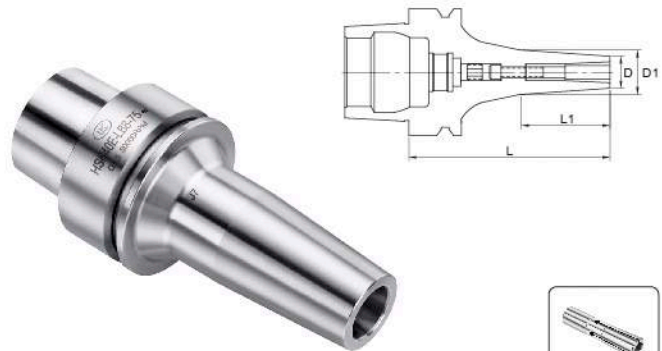
MODEL NO.	d	D	D1	L	L1	G
HSK32E-HSL04-60	4	10	14	60	25	-
HSK32E-HSL06-60	6	16	20	60	25	M8xP1.25
HSK32E-HSL08-60	8	18	22	60	25	M6xP1.0
HSK32E-HSL10-60	10	21	25	60	25	M6xP1.0
HSK40E-HSL04-60	4	10	14	60	25	-
HSK40E-HSL06-60	6	18	22	60	25	M8xP1.25
HSK40E-HSL08-60	8	21	25	60	25	M6xP1.0
HSK40E-HSL04-60-S	4	8	12	60	25	-
HSK40E-HSL06-60-S	6	14	18	60	25	M8xP1.25
HSK40E-HSL08-60-S	8	16	20	60	25	M6xP1.0

**LT 高精度銑刀夾頭 COLLET CHUCK/LT**

MODEL NO.	Clamping Range	D	L	Collet
HSK32E-LT06-60	2-6	20	60	LT06
HSK32E-LT08-60	2-6	25	60	LT08
HSK32E-LT10-60	2-10.3	30	60	LT10
HSK40E-LT06-65	2-6	20	65	LT06
HSK40E-LT06-70	2-6	20	70	LT06
HSK40E-LT10-70	2-10.3	30	70	LT10
HSK50E-LT10-65	2-10.3	30	65	LT10
HSK50E-LT10-75	2-10.3	30	75	LT10
HSK50E-LT16-80	4-16	46	80	LT16

**LR 整數柄銑刀夾頭 INTEGER HANDLE COLLET CHUCK/LR**

MODEL NO.	Clamping Range	D	L	COLLET
HSK32E-LR16-50-S	1-10	25	50	ER16
HSK40E-LR16-60	1-10	30	60	ER16
HSK40E-LR20-60	2-13	35	60	ER20
HSK40E-LR25-70	2-16	42	70	ER25
HSK50E-LR20-70	2-13	35	70	ER20

**LB 後拉式高精度銑刀夾頭 COLLET CHUCK/LB**

MODEL NO.	Clamping Range	L	L1	D	D1	Collet
HSK32E-LB6-65	2.6-6	65	37	16	20	LB6
HSK32E-LB8-72	2.6-8	72	37	19	24	LB8
HSK40E-LB6-68	2.6-6	68	20	16	22	LB6
HSK40E-LB8-75	2.6-8	75	35	19	24	LB8
HSK50E-LB6-70	2.6-6	70	25	16	22	LB6
HSK50E-LB6-90	2.6-6	90	40	14	20	LB6
HSK50E-LB8-75	2.6-8	75	30	19	24	LB8



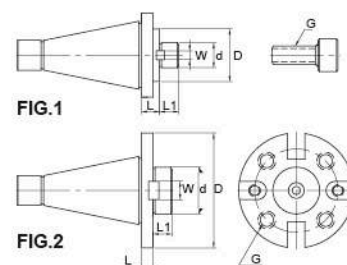
TPA 伸縮扭力攻牙器 TENSION COMPRESSION TAP HOLDER/TPA

MODEL NO.	Tapping Range	D	L	F1	F2	Collet Type
NT40-TPA316	M3-M16	53	130	10	20	TPA316
NT40-TPA830	M8-M30	68	160	10	25	TPA830
NT50-TPA316	M3-M16	53	130	10	25	TPA316
NT50-TPA830加長型	M8-M30	73	220	10	75	TPA830
NT50-TPA2042	M20-M48	85	225	-	10	TPA2042



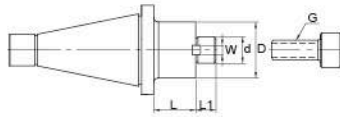
SCA 側銑刀架 SIDE CUTTER HOLDER/SCA

MODEL NO.	D	D1	L	G
NT30-SCA25.4	25.4	40	3", 4", 5", 6"	1"x W16
NT40-SCA25.4	25.4	40	3", 4", 5", 6", 7", 8"	1"x W16
NT50-SCA25.4	25.4	40	3", 4", 5", 6", 7", 8"	1"x W16



FMA 平面銑刀柄 FACE MILL A TYPE/FMA

MODEL NO.	Fig	L	L1	d	D	W	G
NT30-FMA25.4	1	18	19	25.4	-	9.5	M12
NT30-FMA31.75	1	18	21	31.75	-	12.7	M12
NT40-FMA25.4	1	18	19	25.4	-	9.5	M12
NT40-FMA31.75	1	20	21	31.75	-	12.7	M12
NT40-FMA38.1	1	20	23	38.1	82	15.9	M16
NT40-FMA50.8	1	20	24	50.8	95	19.05	M16
NT40-FMA47.625	2	22	32	47.625	128	25.4	M16
NT50-FMA25.4	1	20	19	25.4	64	9.5	M12
NT50-FMA31.75	1	20	21	31.75	74	12.7	M16
NT50-FMA38.1	1	20	23	38.1	82	15.9	M16
NT50-FMA50.8	1	20	24	50.8	97	19.05	M16
NT50-FMA47.625	2	24	32	47.625	128	25.4	M16

**FMA 平面銑刀柄(增長型)** FACE MILL A TYPE (LONG TYPE)/FMA

MODEL NO.	L	L1	d	D	W	G
NT50-FMA25.4-50	50	19	25.4	63	9.5	M12
NT50-FMA25.4-75	75	19	25.4	63	9.5	M12
NT50-FMA25.4-100	100	19	25.4	63	9.5	M12
NT50-FMA25.4-125	125	19	25.4	63	9.5	M12
NT50-FMA25.4-150	150	19	25.4	63	9.5	M12
NT50-FMA25.4-200	200	19	25.4	63	9.5	M12
NT50-FMA31.75-50	50	21	31.75	70	12.7	M16
NT50-FMA31.75-75	75	21	31.75	70	12.7	M16
NT50-FMA31.75-100	100	21	31.75	70	12.7	M16
NT50-FMA31.75-125	125	21	31.75	70	12.7	M16
NT50-FMA31.75-150	150	21	31.75	70	12.7	M16
NT50-FMA31.75-200	200	21	31.75	70	12.7	M16
NT50-FMA38.1-50	50	23	38.1	85	15.9	M16
NT50-FMA38.1-75	75	23	38.1	85	15.9	M16
NT50-FMA38.1-100	100	23	38.1	85	15.9	M16
NT50-FMA38.1-150	150	23	38.1	85	15.9	M16
NT50-FMA38.1-200	200	23	38.1	85	15.9	M16
NT50-FMA50.8-50	50	24	50.8	92	19.05	M16
NT50-FMA50.8-75	75	24	50.8	92	19.05	M16
NT50-FMA50.8-100	100	24	50.8	92	19.05	M16
NT50-FMA50.8-150	150	24	50.8	92	19.05	M16
NT50-FMA47.625-100	100	32	47.625	128	25.4	-

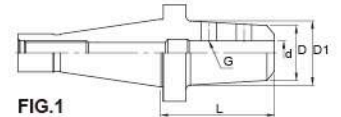


FIG.1

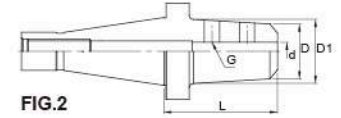


FIG.2

**SLA 側固式立銑刀柄** SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	Fig	d	D	D1	L	G
NT40-SLA6-55	1	6	25	-	55	M6
NT40-SLA8-60	1	8	30	-	60	M8
NT40-SLA10-60	1	10	35	-	60	M8
NT40-SLA12-75	1	12	40	-	75	M10
NT40-SLA16-75	2	16	45	-	75	M10
NT40-SLA20-75	2	20	50	-	75	M12
NT40-SLA25-75	2	25	63	-	75	M16
NT40-SLA32-90	2	32	63	-	90	M16
NT50-SLA8-75	1	8	30	-	75	M8
NT50-SLA10-75	1	10	35	-	75	M8
NT50-SLA12-80	1	12	40	-	80	M10
NT50-SLA16-80	1	16	45	-	80	M10
NT50-SLA16-150	1	16	40	50	150	M10
NT50-SLA16-200	1	16	40	50	200	M10
NT50-SLA18-80	1	18	45	-	80	M10
NT50-SLA20-80	1	20	50	-	80	M12
NT50-SLA20-150	1	20	50	53	150	M12
NT50-SLA20-200	1	20	45	53	200	M12
NT50-SLA25-80	2	25	58	-	80	M16
NT50-SLA25-150	2	25	55	60	150	M16
NT50-SLA25-200	2	25	55	65	200	M16
NT50-SLA32-90	2	32	62	-	90	M20
NT50-SLA32-150	2	32	62	-	150	M20
NT50-SLA32-200	2	32	60	65	200	M20
NT50-SLA40-105	2	40	78	-	105	M20
NT50-SLA42-105	2	42	80	-	105	M20
NT50-SLA50.8-105	2	50.8	95	-	105	M20

* NT50-SLA50.8全系列內孔附插銷。



CK 雙刃粗(精)搪刀桿 BORING HOLDER/CK

MODEL NO.	L	L1	L2	Min-Max	Cutter
NT50-CK1-135	135	102	33	19-25	CBH20
NT50-CK2-150	150	112	38	25-33	RBH25、CBH25
NT50-CK2-180	180	142	38	25-33	RBH25、CBH25
NT50-CK3-165	165	124	41	32-42	RBH32、CBH32
NT50-CK3-195	195	154	41	32-42	RBH32、CBH32
NT50-CK4-165	165	118	47	40-55	RBH40、CBH40
NT50-CK4-200	200	153	47	40-55	RBH40、CBH40
NT50-CK5-165	165	108	57	52-70	RBH52、CBH52
NT50-CK5-200	200	143	57	52-70	RBH52、CBH52
NT50-CK5-240	240	183	57	52-70	RBH52、CBH52
NT50-CK6-135	135	64	71	68-92 90-122	RBH68、CBH68、 LBJ16、RBH90、 CBH100、CBH150
NT50-CK6-165	165	94	71		
NT50-CK6-200	200	129	71		
NT50-CK6-240	240	169	71		



APU 一體式鑽夾頭 DRILL CHUCK HOLDER/APU

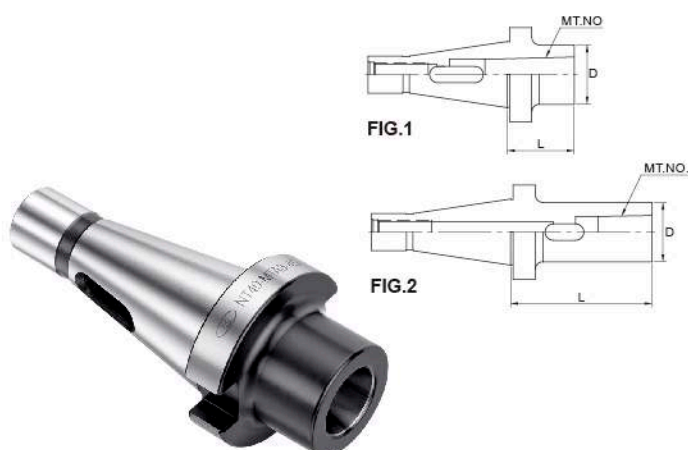
MODEL NO.	Clamping Range	L	L1	D
NT30-APU13	1-13	110	81	50.5
NT40-APU13	1-13	90	81	50.5
NT40-APU16	3-16	115	85	57
NT50-APU13	1-13	125	81	50.5
NT50-APU16	3-16	135	85	57

**BSA 粗糖孔刀柄 30° BORING HOLDER A TYPE/BSA**

MODEL NO.	Min-Max	D	D1	L	W□
NT50-BSA20-120	20-25	16	19	120	1/4
NT50-BSA25-165	25-38	20	24	165	5/16
NT50-BSA30-165	30-42	24	28	165	5/16
NT50-BSA38-185	38-52	30	36	185	3/8
NT50-BSA42-210	42-56	34	40	210	3/8
NT50-BSA50-180	50-65	40	46	180	1/2
NT50-BSA50-240	50-65	40	46	240	1/2
NT50-BSA50-285	50-65	40	46	285	1/2
NT50-BSA62-165	62-90	50	58	165	5/8
NT50-BSA62-195	62-90	50	58	195	5/8
NT50-BSA62-240	62-90	50	58	240	5/8
NT50-BSA72-195	72-110	60	68	195	3/4
NT50-BSA72-240	72-110	60	68	240	3/4
NT50-BSA72-285	72-110	60	68	285	3/4
NT50-BSA90-210	90-125	75	-	210	3/4
NT50-BSA90-300	90-125	75	-	300	3/4
NT50-BSA105-195	105-160	90	-	195	3/4
NT50-BSA105-240	105-160	90	-	240	3/4

**BSB 粗糖孔刀柄 90° BORING HOLDER B TYPE/BSB**

MODEL NO.	Min-Max	D	D1	L	W□
NT50-BSB20-120	20-25	16	19	120	1/4
NT50-BSB25-165	25-38	20	24	165	5/16
NT50-BSB30-165	30-42	24	28	165	5/16
NT50-BSB38-180	38-52	30	36	180	3/8
NT50-BSB42-210	42-56	34	40	210	3/8
NT50-BSB50-180	50-65	40	46	180	1/2
NT50-BSB50-240	50-65	40	46	240	1/2
NT50-BSB62-195	62-90	50	58	195	5/8
NT50-BSB62-240	62-90	50	58	240	5/8
NT50-BSB72-195	72-110	60	68	195	3/4
NT50-BSB72-240	72-110	60	68	240	3/4
NT50-BSB90-210	90-125	75	-	210	3/4
NT50-BSB90-300	90-125	75	-	300	3/4
NT50-BSB105-195	105-160	90	-	195	3/4
NT50-BSB105-285	105-160	90	-	285	3/4



MTA 斜柄鑽頭套筒 MORSE TAPER HOLDER A TYPE/MTA

MODEL NO.	Fig	D	L	MT.NO.
NT30-MTA1	1	25	25	MTA1
NT30-MTA2	1	32	50	MTA2
NT30-MTA3	1	35	70	MTA3
NT40-MTA1	1	25	30	MTA1
NT40-MTA2	1	32	30	MTA2
NT40-MTA3	1	40	45	MTA3
NT40-MTA4	1	50	90	MTA4
NT50-MTA2	1	32	30	MTA2
NT50-MTA2-135	2	32	135	MTA2
NT50-MTA3	1	40	45	MTA3
NT50-MTA3-160	2	40	160	MTA3
NT50-MTA4	1	50	60	MTA4
NT50-MTA4-180	2	50	180	MTA4
NT50-MTA5	1	65	105	MTA5
NT50-MTA5-200	2	65	200	MTA5



OZ 立銑刀夾頭 COLLET CHUCK/OZ

MODEL NO.	Clamping Range	L	D	Collet
NT30-OZ25	3-25	65	60	OZ25
NT40-OZ25	3-25	65	60	OZ25



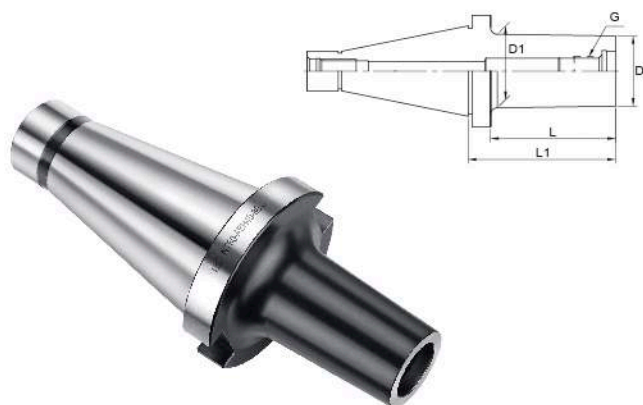
BST 大口徑搪孔刀柄 LARGE SIZE BORING HOLDER

MODEL NO.	L1	L
NT50-BST-150	150	207
NT50-BST-200	200	257
NT50-BST-250	250	307



KCH 強力型精密銑刀夾頭 POWER MILL CHUCK/KCH

MODEL NO.	Clamping Range	L	D	Collet
NT40-KCH32-85	4-32	85	68	C32
NT40-KGH32-85	4-32	85	73	C32
NT50-KGH32-90	4-32	90	73	C32
NT50-KCH42-105	6-42	105	87	C42

**ABH 微調搪孔刀柄** MICRO BORING HOLDER/ABH

MODEL NO.	Min-Max	L	L1	D	D1	G
NT50-ABH18-80	22-32	80	96	18	24	M10xP1.5
NT50-ABH18-120	22-32	120	136	18	24	M10xP1.5
NT50-ABH23-80	28-46	80	96	23	29	M12xP1.75
NT50-ABH23-120	28-46	120	136	23	29	M12xP1.75
NT50-ABH30-80	36-60	80	96	30	36	M16xP2.0
NT50-ABH30-120	36-60	120	136	30	36	M16xP2.0
NT50-ABH40-80	46-80	80	96	40	46	M18xP2.5
NT50-ABH40-120	46-80	120	136	40	46	M18xP2.5
NT50-ABH63-80	70-130	80	96	63	66	M25xP2.0
NT50-ABH63-120	70-130	120	136	63	66	M25xP2.0
NT50-ABH63-150	70-130	150	166	63	66	M25xP2.0
NT50-ABH83-80	90-160	80	96	83	-	-
NT50-ABH83-150	90-160	150	166	83	-	-

ER 銑刀夾頭 SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	D	L
NT30-ER16-60	0.5-10	28	60
NT30-ER20-60	1-13	34	60
NT30-ER25-60	1-16	42	60
NT30-ER32-60	2-20	50	60
NT40-ER16-60	0.5-10	28	60
NT40-ER20-60	1-13	34	60
NT40-ER25-60	1-16	42	60
NT40-ER32-60	2-20	50	60
NT40-ER40-100	3-26	63	100
NT50-ER20-100	1-13	34	100
NT50-ER25-100	1-16	42	100
NT50-ER32-100	2-20	50	100
NT50-ER40-100	3-26	63	100



P11-ER Collet



P10-ER Wrench



P10-ER Nut

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

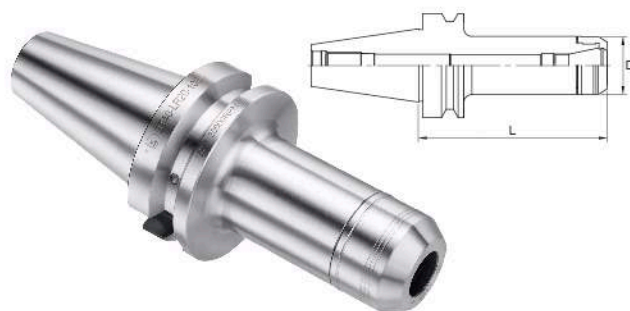
直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



KCH 二面接觸強力型精密銑刀夾頭
DOUBLE FACE CONTACT POWER GRIP MILLING CHUCK/KCH

MODEL NO.	Clamping Range	L	D	Collet
HBT30-KCH16-70	4-16	70	42	C16
HBT30-KCH20-70-S	6-20	70	48	C20
HBT40-KCH16-75	4-16	75	42	C16
HBT40-KCH20-75	6-20	75	52	C20
HBT40-KCH20-75-S	6-20	75	48	C20
HBT40-KCH25-75	6-25	75	60	C25
HBT40-KCH32-95	4-32	95	68	C32
HBT40-KCH32-95-S	4-32	95	63	C32
HBT50-KCH16-105	4-16	105	42	C16
HBT50-KCH16-165	4-16	165	42	C16
HBT50-KCH20-105	6-20	105	52	C20
HBT50-KCH20-165	6-20	165	52	C20
HBT50-KCH25-105	6-25	105	60	C25
HBT50-KCH25-165	6-25	165	60	C25
HBT50-KCH32-105	4-32	105	68	C32
HBT50-KCH32-165	4-32	165	68	C32
HBT50-KCH42-105	6-42	105	87	C42
HBT50-KCH42-135	6-42	135	87	C42
HBT50-KCH42-165	6-42	165	87	C42



LR 二面接觸整數柄ER銑刀夾頭
DOUBLE FACE CONTACT INTEGER HANDLE COLLET CHUCK/LR

MODEL NO.	Clamping Range	D	L	Collet
HBT40-LR16-70	1-10	30	70	ER16
HBT40-LR16-100	1-10	30	100	ER16
HBT40-LR20-70	2-13	35	70	ER20
HBT40-LR20-100	2-13	35	100	ER20
HBT40-LR25-70	2-16	42	70	ER25
HBT40-LR25-100	2-16	42	100	ER25
HBT40-LR32-70	3-20	50	70	ER32
HBT40-LR32-100	3-20	50	100	ER32
HBT50-LR16-100	1-10	30	100	ER16
HBT50-LR16-150	1-10	30	150	ER16
HBT50-LR20-100	2-13	35	100	ER20
HBT50-LR20-150	2-13	35	150	ER20
HBT50-LR20-200	2-13	35	200	ER20
HBT50-LR20-250	2-13	35	250	ER20
HBT50-LR20-300	2-13	35	300	ER20
HBT50-LR25-100	2-16	42	100	ER25
HBT50-LR25-150	2-16	42	150	ER25
HBT50-LR25-200	2-16	42	200	ER25
HBT50-LR32-100	3-20	50	100	ER32
HBT50-LR32-150	3-20	50	150	ER32
HBT50-LR32-200	3-20	50	200	ER32
HBT50-LR32-250	3-20	50	250	ER32
HBT50-LR32-300	3-20	50	300	ER32

PS: LR20, LR25有勾型螺帽及軸承型螺帽可選用。




LT 二面接觸強力型精密銑刀夾頭
 DOUBLE FACE CONTACT COLLET CHUCK/LT

MODEL NO.	Clamping Range	D	D1	L	Collet
HBT30-LT06-70	2-6	20	-	70	LT06
HBT30-LT10-70	2-10.3	35	-	70	LT10
HBT30-LT16-70	4-16	46	-	70	LT16
HBT40-LT06-70	2-6	20	-	70	LT06
HBT40-LT06-100	2-6	20	23	100	LT06
HBT40-LT10-70	2-10.3	35	-	70	LT10
HBT40-LT10-100	2-10.3	35	-	100	LT10
HBT40-LT10-125	2-10.3	35	-	125	LT10
HBT40-LT10-150	2-10.3	35	-	150	LT10
HBT40-LT16-100	4-16	46	-	100	LT16
HBT40-LT16-125	4-16	46	-	125	LT16
HBT40-LT16-150	4-16	46	-	150	LT16
HBT40-LT16-200	4-16	46	50	200	LT16
HBT40-LT16-250	4-16	46	50	250	LT16
HBT40-LT20-200	8-20	50	54	200	LT20
HBT40-LT20-250	8-20	50	54	250	LT20
HBT40-LT25-100	8-25	58	-	100	LT25
HBT40-LT25-125	8-25	58	-	125	LT25
HBT40-LT25-150	8-25	58	-	150	LT25
HBT40-LT25-200	8-25	58	-	200	LT25
HBT40-LT25-250	8-25	58	-	250	LT25
HBT50-LT10-100	2-10.3	35	-	100	LT10
HBT50-LT10-125	2-10.3	35	-	125	LT10
HBT50-LT10-150	2-10.3	35	40	150	LT10
HBT50-LT10-150-S	2-10.3	30	35	150	LT10
HBT50-LT10-200	2-10.3	35	42	200	LT10
HBT50-LT10-250	2-10.3	35	45	250	LT10
HBT50-LT10-300	2-10.3	35	47	300	LT10
HBT50-LT16-100	4-16	46	-	100	LT16
HBT50-LT16-125	4-16	46	-	125	LT16
HBT50-LT16-150	4-16	46	52	150	LT16
HBT50-LT16-200	4-16	46	52	200	LT16
HBT50-LT16-250	4-16	46	55	250	LT16
HBT50-LT16-300	4-16	46	58	300	LT16
HBT50-LT20-200	8-20	50	57	200	LT20
HBT50-LT20-250	8-20	50	57	250	LT20
HBT50-LT25-100	8-25	58	-	100	LT25
HBT50-LT25-125	8-25	58	-	125	LT25
HBT50-LT25-150	8-25	58	-	150	LT25
HBT50-LT25-200	8-25	58	62	200	LT25
HBT50-LT25-250	8-25	58	62	250	LT25

PS: LT10有勾型螺帽及軸承型螺帽可選用。



P4-LT Collet



P4-LT Wrench



P4-LT Nut


ER 二面接觸ER銑刀夾頭
 DOUBLE FACE CONTACT SPRING COLLET CHUCK/ER

MODEL NO.	Clamping Range	L	D	D1
HBT30-ER16-70	0.5-10	70	28	-
HBT30-ER20-70	1-13	70	34	-
HBT30-ER25-70	1-16	70	42	-
HBT30-ER32-70	2-20	70	50	-
HBT40-ER16-70	0.5-10	70	28	-
HBT40-ER16-100	0.5-10	100	28	-
HBT40-ER20-70	1-13	70	34	-
HBT40-ER20-100	1-13	100	34	-
HBT40-ER25-70	1-16	70	42	-
HBT40-ER25-100	1-16	100	42	-
HBT40-ER32-70	2-20	70	50	-
HBT40-ER32-100	2-20	100	50	-
HBT50-ER20-100	1-13	100	34	-
HBT50-ER20-150	1-13	150	34	-
HBT50-ER20-200	1-13	200	34	-
HBT50-ER20-250	1-13	250	34	48
HBT50-ER20-300	1-13	300	34	48
HBT50-ER25-100	1-16	100	42	-
HBT50-ER25-150	1-16	150	42	-
HBT50-ER25-200	1-16	200	42	-
HBT50-ER25-250	1-16	250	42	50
HBT50-ER25-300	1-16	300	42	50
HBT50-ER32-100	2-20	100	50	-
HBT50-ER32-150	2-20	150	50	-
HBT50-ER32-200	2-20	200	50	-
HBT50-ER32-250	2-20	250	50	58
HBT50-ER32-300	2-20	300	50	58



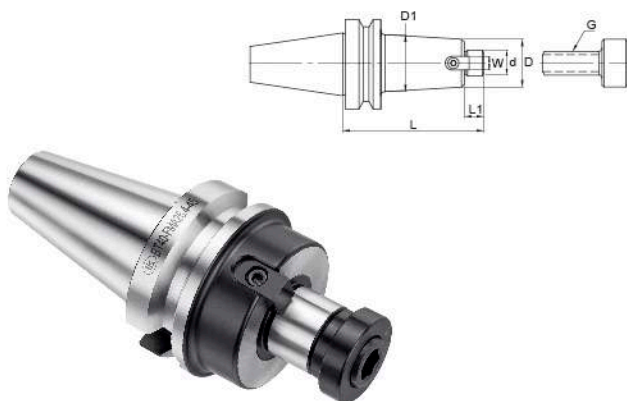
P11-ER Collet



P10-ER Wrench



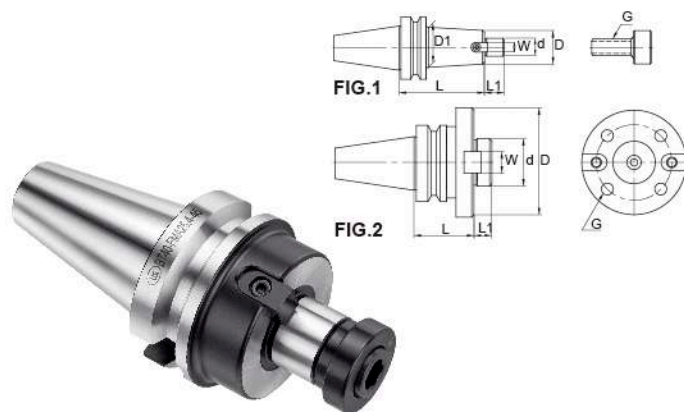
P10-ER Nut



FMA 二面接觸平面銑刀柄

DOUBLE FACE CONTACT FACE MILL A TYPE/FMA

MODEL NO.	L	L1	d	D	D1	W	G
HBT40-FMA25.4-45	45	19	25.4	55	-	9.5	M12
HBT40-FMA25.4-60	60	19	25.4	55	-	9.5	M12
HBT40-FMA25.4-90	90	19	25.4	55	57	9.5	M12
HBT40-FMA25.4-105	105	19	25.4	56	58	9.5	M12
HBT40-FMA31.75-45	45	21	31.75	60	-	12.7	M12
HBT40-FMA31.75-60	60	21	31.75	60	-	12.7	M12
HBT40-FMA31.75-75	75	21	31.75	60	-	12.7	M12
HBT50-FMA25.4-60	60	19	25.4	58	-	9.5	M12
HBT50-FMA25.4-105	105	19	25.4	60	-	9.5	M12
HBT50-FMA25.4-125	125	19	25.4	60	-	9.5	M12
HBT50-FMA25.4-150	150	19	25.4	60	-	9.5	M12
HBT50-FMA25.4-200	200	19	25.4	60	62	9.5	M12
HBT50-FMA25.4-250	250	19	25.4	59	61	9.5	M12
HBT50-FMA25.4-300	300	19	25.4	59	61	9.5	M12
HBT50-FMA31.75-60	60	21	31.75	70	-	12.7	M16
HBT50-FMA31.75-105	105	21	31.75	70	-	12.7	M16
HBT50-FMA31.75-125	125	21	31.75	71	73	12.7	M16
HBT50-FMA31.75-150	150	21	31.75	71	73	12.7	M16
HBT50-FMA31.75-200	200	21	31.75	71	73	12.7	M16



FMB 二面接觸平面銑刀柄

DOUBLE FACE CONTACT FACE MILL B TYPE/FMB

MODEL NO.	Fig	L	L1	d	D	D1	W	G
HBT40-FMB22-60	1	60	18	22	60	-	10	M10
HBT40-FMB22-75	1	75	18	22	48	-	10	M10
HBT40-FMB22-90	1	90	18	22	48	-	10	M10
HBT40-FMB22-105	1	105	18	22	47	49	10	M10
HBT40-FMB27-45	1	45	20	27	45	-	12	M12
HBT40-FMB27-75	1	75	20	27	58	60	12	M12
HBT40-FMB27-105	1	105	20	27	58	60	12	M12
HBT40-FMB32-45	1	45	21	32	45	-	14	M16
HBT50-FMB22-60	1	60	18	22	46	-	10	M10
HBT50-FMB22-105	1	105	18	22	48	-	10	M10
HBT50-FMB22-200	1	200	18	22	47	49	10	M10
HBT50-FMB22-200-H	1	200	18	22	58	62	10	M10
HBT50-FMB22-250	1	250	18	22	47	49	10	M10
HBT50-FMB22-250-H	1	250	18	22	58	62	10	M10
HBT50-FMB22-300	1	300	18	22	47	49	10	M10
HBT50-FMB22-300-H	1	300	18	22	58	62	10	M10
HBT50-FMB27-60	1	60	20	27	60	-	12	M12
HBT50-FMB27-75	1	75	20	27	60	-	12	M12
HBT50-FMB27-105	1	105	20	27	60	-	12	M12
HBT50-FMB32-60	1	60	21	32	70	-	14	M16
HBT50-FMB32-75	1	75	21	32	70	-	14	M16
HBT50-FMB40-60	1	60	21	40	80	-	16	M16
HBT50-FMB40-75	1	75	21	40	80	-	16	M16
HBT50-FMB40-75-F	2	75	21	40	80	-	16	M16

**SLA 二面接觸側固式立銑刀柄**

DOUBLE FACE CONTACT SIDE LOCK END MILL HOLDER/SLA

MODEL NO.	Fig	d	D	D1	L	G
HBT40-SLA6-75	1	6	25	-	75	M6
HBT40-SLA8-75	1	8	30	-	75	M8
HBT40-SLA10-75	1	10	34	-	75	M8
HBT40-SLA12-75	1	20	38	-	75	M10
HBT40-SLA16-75	2	20	45	-	75	M10
HBT40-SLA20-90	2	20	50	-	90	M10
HBT40-SLA25-75	2	25	55	-	75	M16
HBT40-SLA25-90	2	25	57	-	90	M16
HBT40-SLA32-90	2	32	60	-	90	M16
HBT50-SLA16-105	1	16	45	-	105	M10
HBT50-SLA20-105	1	20	50	-	105	M12
HBT50-SLA20-150	1	20	45	50	150	M12
HBT50-SLA25-105	2	25	58	-	105	M16
HBT50-SLA25-150	2	25	55	60	150	M16
HBT50-SLA25-200	2	25	55	62	200	M16
HBT50-SLA32-105	2	32	62	-	105	M16
HBT50-SLA32-150	2	32	62	-	150	M16
HBT50-SLA32-200	2	32	60	62	200	M16

**CK 二面接觸CK雙刃粗(精)搪刀桿**

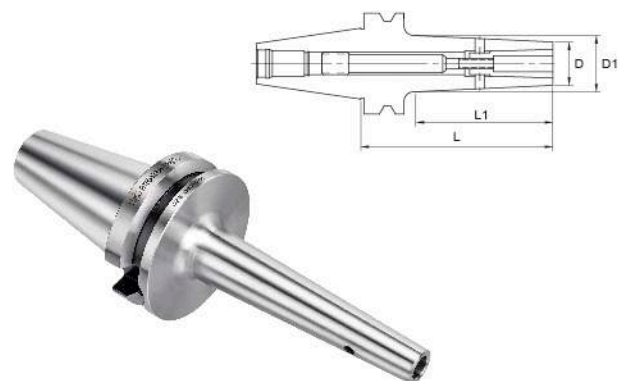
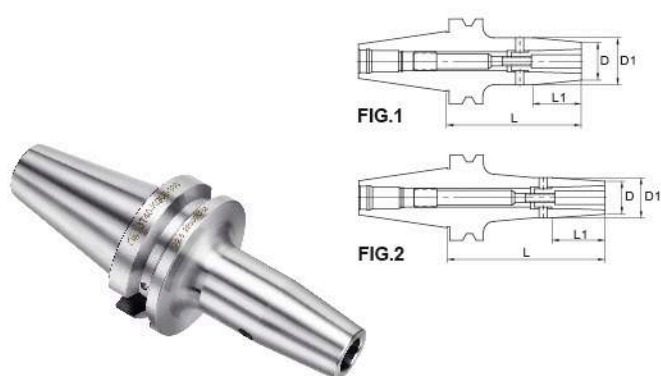
DOUBLE FACE CONTACT BORING HOLDER/CK

MODEL NO.	L	L1	L2	Min-Max	Cutter
HBT40-CK2-120	120	82	38	25-33	RBH25、CBH25
HBT40-CK2-150	150	112	38	25-33	RBH25、CBH25
HBT40-CK3-135	135	94	41	32-42	RBH32、CBH32
HBT40-CK3-165	165	124	41	32-42	RBH32、CBH32
HBT40-CK4-135	135	88	47	40-55	RBH40、CBH40
HBT40-CK4-165	165	118	47	40-55	RBH40、CBH40
HBT40-CK5-135	135	78	57	52-70	RBH52、CBH52
HBT40-CK5-165	165	108	57	52-70	RBH52、CBH52
HBT40-CK6-135	135	64	71	68-92	RBH68、CBH68 LBH16、RBH90
HBT40-CK6-165	165	94	71	90-122	CBH100、CBH150

**APU 二面接觸一體式鑽頭夾頭刀柄**

DOUBLE FACE CONTACT DRILL CHUCK HOLDER

MODEL NO.	Clamping Range	D	L	L1
HBT40-APU13-105	1-13	50.5	105	80.5
HBT40-APU16-115	3-16	57	115	85



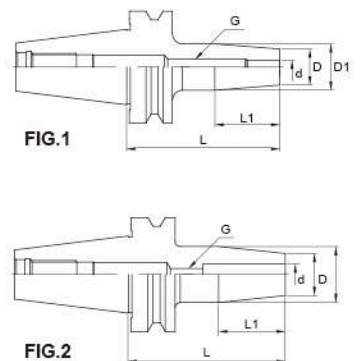
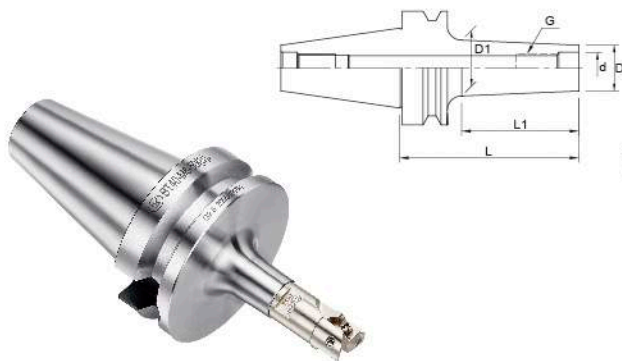
KG 二面接觸後拉式高精度銑刀夾頭 DOUBLE FACE CONTACT COLLET CHUCK/KG

MODEL NO.	Fig	Clamping Range	L	L1	D	D1	Collet
HBT40-KG08-75	1	3-10	75	36	23	30	KG08
HBT40-KG08-100	1	3-10	100	36	23	30	KG08
HBT40-KG08-150	2	3-10	150	36	23	30	KG08
HBT40-KG08-200	2	3-10	200	36	23	30	KG08
HBT40-KG08-250	2	3-10	250	36	23	30	KG08
HBT40-KG08-300	2	3-10	300	36	23	30	KG08
HBT40-KG14-75	1	6-14	75	40	26	34	KG14
HBT40-KG14-100	1	6-14	100	40	26	34	KG14
HBT40-KG14-100-M	1	6-14	100	35	28	34	KG14
HBT40-KG14-100-H	1	6-14	100	-	34	-	KG14
HBT40-KG14-150	2	6-14	150	40	26	34	KG14
HBT40-KG14-200	2	6-14	200	40	26	34	KG14
HBT40-KG14-250	2	6-14	250	40	26	34	KG14
HBT40-KG14-300	2	6-14	300	40	26	34	KG14
HBT40-KG20-75	1	10-20	75	50	38	48	KG20
HBT40-KG20-100	1	10-20	100	50	38	48	KG20
HBT50-KG08-100	1	3-10	100	32	24	30	KG08
HBT50-KG14-105	1	6-14	105	45	28	30	KG14

KG(S) 二面接觸細長後拉式高精度銑刀夾頭 DOUBLE FACE CONTACT COLLET CHUCK/KG(S)

MODEL NO.	Clamping Range	L	L1	D	D1	Collet
HBT40-KG08-150-S	3-10	150	115	22	32	KG08
HBT40-KG08-200-S	3-10	200	165	22	32	KG08
HBT40-KG08-250-S	3-10	250	210	22	34	KG08
HBT40-KG08-300-S	3-10	300	260	22	34	KG08
HBT40-KG14-150-S	6-14	150	115	26	34	KG14
HBT40-KG14-200-S	6-14	200	165	26	34	KG14
HBT40-KG14-250-S	6-14	250	210	26	40	KG14
HBT40-KG14-300-S	6-14	300	260	26	42	KG14
HBT50-KG08-150-S	3-10	150	100	22	35	KG08
HBT50-KG08-200-S	3-10	200	150	22	35	KG08
HBT50-KG08-250-S	3-10	250	200	22	35	KG08
HBT50-KG08-300-S	3-10	300	250	22	35	KG08
HBT50-KG14-150-S	6-14	150	100	25	38	KG14
HBT50-KG14-200-S	6-14	200	150	25	38	KG14
HBT50-KG14-250-S	6-14	250	200	25	38	KG14
HBT50-KG14-300-S	6-14	300	250	25	38	KG14



**M 二面接觸鎖牙式刀桿**

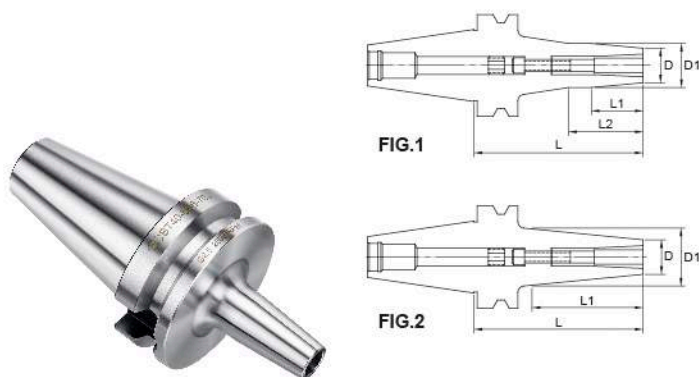
DOUBLE FACE CONTACT SCREWED END MILL HOLDER

MODEL NO.	L	L1	d	D	D1	G
HBT40-M10-60	60	25	10.5	18	23	M10
HBT40-M10-80	80	43	10.5	20	24	M10
HBT40-M10-80-S	80	45	10.5	19	23	M10
HBT40-M12-80	80	43	12.5	21	24	M12
HBT40-M16-80	80	43	17	30.5	31.5	M16
HBT40-M16-100	100	65	17	32	36	M16
HBT40-M16-100-S	100	65	17	31	34	M16

HSL 二面接觸燒結式專用刀桿

DOUBLE FACE CONTACT SHRINK FIT CHUCK/HSL

MODEL NO.	Fig	d	D	D1	L	L1	G
HBT30-HSL04-75	1	4	10	14	75	30	-
HBT30-HSL06-75	1	6	14	19	75	32	M8xP1.25
HBT40-HSL06-90	1	6	21	27	90	38	M8xP1.25
HBT40-HSL08-90	1	8	21	27	90	38	M10xP1.5
HBT40-HSL10-90	1	10	24	32	90	50	M12xP1.75
HBT40-HSL12-90	2	12	24	32	90	50	M10xP1.5
HBT40-HSL06-90-S	1	6	16	24	90	38	M8xP1.25
HBT40-HSL08-90-S	1	8	16	24	90	38	M10xP1.5
HBT40-HSL10-90-S	1	10	18	26	90	50	M12xP1.75
HBT40-HSL12-90-S	2	12	20	28	90	50	M10xP1.5

**LB 二面接觸後拉式高精度銑刀夾頭**

DOUBLE FACE CONTACT COLLET CHUCK/LB

MODEL NO.	Fig	Clamping Range	L	L1	L2	D	D1	Collet
HBT40-LB06-100-LH	1	3-6	100	35	43	14	20	LB06-LH
HBT40-LB06-100-LHS	1	3-6	100	56	61	14	19	LB06-LH
HBT40-LB12-100	2	3-12	100	67	-	34	40	LB12



P9-LB Collet



ER 無鍵槽銑刀夾頭

COLLET CHUCK WITHOUT KEYWAY/ER



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
NBT30-ER16-70	0.5-10	28	70	ER16(A)	ER16
NBT30-ER16(M)-70	0.5-10	23	70	ER16(M)	ER16
NBT30-ER20-70	1-13	34	70	ER20(A)	ER20
NBT30-ER20(M)-70	1-13	29	70	ER20(M)	ER20
NBT30-ER20(R)-70	1-13	30	70	ER20(R)	ER20
NBT30-ER25-60	1-16	42	60	ER25(UM)	ER25
NBT30-ER25(R)-60	1-16	40	60	ER25(R)	ER25
NBT30-ER25-70	1-16	42	70	ER25(UM)	ER25
NBT30-ER25(R)-70	1-16	40	70	ER25(R)	ER25
NBT30-ER32-70	2-20	50	70	ER32(UM)	ER32



LT 無鍵槽高精度銑刀夾頭

COLLET CHUCK WITHOUT KEYWAY/LT



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
NBT30-LT06-70	2-6	20	70	LT06	LT06
NBT30-LT10-70	2-10.3	35	70	LT10	LT10
NBT30-LT16-70	4-16	46	70	LT16	LT16

PS: LT10有勾型螺帽及軸承型螺帽可選用。



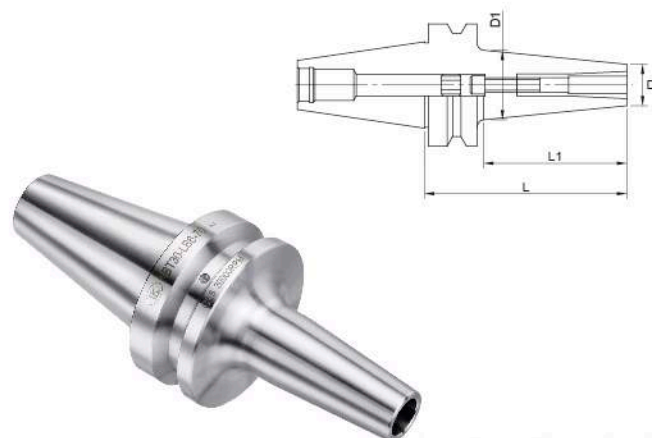
LR 無鍵槽銑刀夾頭

COLLET CHUCK WITHOUT KEYWAY/LR



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
NBT30-LR20-70	2-13	35	70	LR20-B	ER20
NBT30-LR25-70	2-16	42	70	LR25	ER25

PS: LR20, LR25有勾型螺帽及軸承型螺帽可選用。

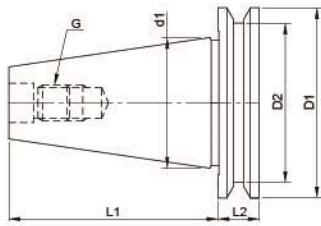


LB 無鍵槽後拉式高精度銑刀夾頭

COLLET CHUCK WITHOUT KEYWAY/LB



MODEL NO.	Clamping Range	D	D1	L	L1	Collet
NBT30-LB06-70	2.6-6	14	19	70	35	LB06
NBT30-LB08-70	3-8	19	24	70	42	LB08
NBT30-LB12-75	3-12	34	-	75	52	LB12



ISO 刀桿錐度尺寸 ISO SHANK INFORMATION

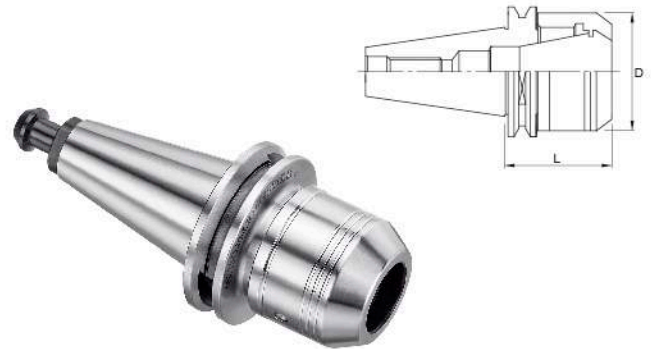
MODEL NO.	D1	D2	d1	L1	L2	G
ISO20	33	27	22.2	33.3	8	M8×P1.25
ISO25	37	31	25.4	39.4	8	M8×P1.25
ISO30	50	44.3	31.75	50.9	16	M12×P1.75



ER 銑刀夾頭 SPRING COLLET CHUCK/ER



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
ISO20-ER16-30-R	0.5-10	22	30	ER16(R)	ER16
ISO20-ER16-30-HR	0.5-10	23	30	ER16(HR)	ER16
ISO25-ER11-30-R	0.5-7	18	30	ER11(R)	ER11
ISO25-ER11-50-R	0.5-7	18	50	ER11(R)	ER11
ISO25-ER16-30-R	0.5-10	22	30	ER16(R)	ER16
ISO25-ER20-30-M	1-13	29	30	ER20(M)	ER20
ISO25-ER20-30-R	1-16	30	30	ER20(R)	ER20
ISO25-ER20-30-SR	1-13	31	30	ER20(SR)	ER20
ISO25-ER25-42-SR	1-16	30	42	ER25(SR)	ER25
ISO30-ER20-60-R	1-13	30	60	ER20(R)	ER20
ISO30-ER25-60-R	1-16	40	60	ER25(R)	ER25
ISO30-ER25-60-UM	1-16	42	60	ER25(UM)	ER25



LR 整數柄ER銑刀夾頭 INTEGER HANDLE COLLET CHUCK/LR



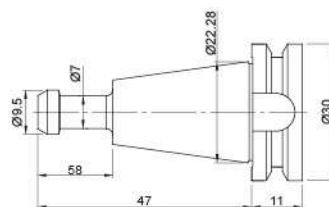
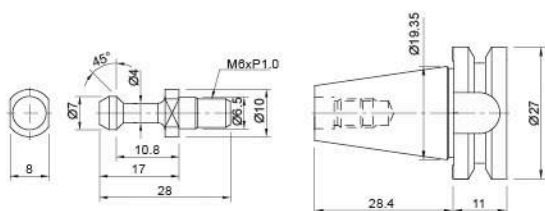
MODEL NO.	Clamping Range	D	L	Collet
ISO20-LR16-30-S	1-10	23	30	ER16



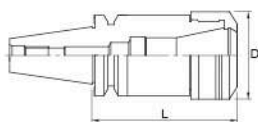
LT 高精度銑刀夾頭 COLLET CHUCK/LT



MODEL NO.	Clamping Range	D	L	Collet
ISO20-LT06-30	2-6	20	30	LT06
ISO25-LT06-35	2-6	20	35	LT06
ISO25-LT08-35	2-8	25	35	LT08
ISO25-LT10-35	2-10.3	30	35	LT10
ISO30-LT10-60	2-10.3	34	60	LT10
ISO30-LT16-70	4-16	46	70	LT16



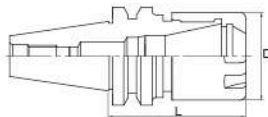
BT15 刀桿錐度尺寸 BT15 SHANK INFORMATION



LT 高精度銑刀夾頭
COLLET CHUCK/LT



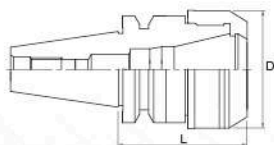
MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
BT15-LT06-40	2-6	20	40	LT06	LT06
BT15-LT10-60	2-10.3	30	60	LT10	LT10



ER 銑刀夾頭
SPRING COLLET CHUCK/ER



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
BT15-ER16-40-R	0.5-10	22	40	ER16(R)	ER16
BT15-ER16-40-M	0.5-10	23	40	ER16(M)	ER16

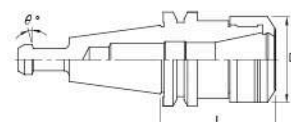


LR 整數柄ER銑刀夾頭
INTEGER HANDLE COLLET CHUCK/LR



MODEL NO.	Clamping Range	D	L	Clamping Nut	Collet
BT15-LR16-40	1-10	30		LR16	ER16

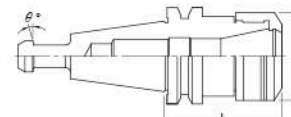
BT20 刀桿錐度尺寸 BT20 SHANK INFORMATION



LT 高精度銑刀夾頭
COLLET CHUCK/LT



MODEL NO.	Clamping Range	D	L	θ°	Collet
BT20R1-LT10-48	2-10.3	30	48	15°	LT10
BT20R2-LT10-48	2-10.3	30	48	0°	LT10



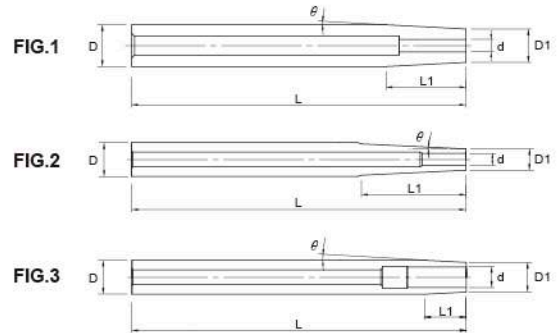
LR 整數柄ER銑刀夾頭
INTEGER HANDLE COLLET CHUCK/LR



MODEL NO.	Clamping Range	D	L	θ°	Collet
BT20TR1-LR16-42	1-10	25	42	15°	LT10
BT20TR2-LR16-42	1-10	25	42	0°	LT10

**HSL 燒結延長桿 SHRINK FIT EXTENSION/HSL**

MODEL NO.	Fig	L	L1	D	D1	d	θ°
C12-HSL04-160-1	1	160	50	12	7	4	3°
C12-HSL04-160-2	1	160	40	12	8	4	3°
C12-HSL04-160-2-1	1	160	30	12	8	4	3.8°
C12-HSL06-160-1	1	160	30	12	10	6	2.3°
C16-HSL04-160-1	2	160	50	16	7	4	3°
C16-HSL04-160-1-1	1	160	90	16	7	4	3°
C16-HSL04-160-S2	1	160	85	16	7.5	4	3°
C16-HSL04-160-2	2	160	50	16	8	4	3°
C16-HSL04-160-3	1	160	60	16	10	4	3°
C16-HSL04-160-4	1	160	38	16	10	4	4.5°
C16-HSL05-160-1	1	160	50	16	8	5	4.5°
C16-HSL06-160-S1	1	160	70	16	9	6	3°
C16-HSL06-160-1	2	160	50	16	10	6	3°
C16-HSL06-160-2	1	160	40	16	12	6	3°
C16-HSL08-160-S1	1	160	50	16	11	8	3°
C16-HSL08-160-1	1	160	40	16	12	8	3°
C16-HSL08-160-2	1	160	30	16	13	8	3°
C16-HSL08-160-3	1	160	20	16	14	8	3°
C16-HSL10-160-S1	3	160	30	16	13	10	3°
C16-HSL10-160-1	3	160	20	16	14	10	3°
C20-HSL06-160-1	2	160	50	20	10	6	4.5°
C20-HSL06-160-2	1	160	50	20	12	6	4.5°
C20-HSL06-160-3	1	160	60	20	14	6	3°
C20-HSL06-200-1	2	200	70	20	10	6	3°
C20-HSL06-200-2	1	200	70	20	10	6	4.5°
C20-HSL06-200-3	1	200	80	20	12	6	3°
C20-HSL06-200-4	1	200	60	20	14	6	3°
C20-HSL08-160-1	1	160	50	20	12	8	4.5°
C20-HSL08-160-2	1	160	45	20	13	8	4.5°
C20-HSL08-160-3	1	160	60	20	14	8	3°
C20-HSL08-200-1	2	200	60	20	12	8	3°
C20-HSL08-200-2	1	200	50	20	12	8	4.5°



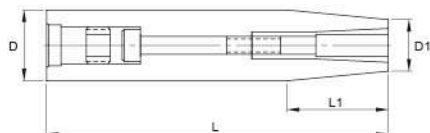
MODEL NO.	Fig	L	L1	D	D1	d	θ°
C20-HSL08-200-3	1	200	70	20	13	8	3°
C20-HSL08-200-4	1	200	60	20	14	8	3°
C20-HSL10-160-1	3	160	50	20	15	10	3°
C20-HSL10-160-2	3	160	40	20	16	10	3°
C20-HSL10-200-1	3	200	50	20	15	10	3°
C20-HSL10-200-2	3	200	40	20	16	10	3°
C20-HSL12-160-1	3	160	50	20	15	12	3°
C20-HSL12-160-2	3	160	30	20	17	12	3°
C25-HSL10-160-1	2	160	50	25	15	10	4.5°
C25-HSL10-160-2	1	160	60	25	16	10	4.5°
C25-HSL10-160-2-1	1	160	90	25	16	10	3°
C25-HSL10-160-3	1	160	70	25	18	10	3°
C25-HSL10-160-4	1	160	50	25	20	10	3°
C25-HSL10-200-1	2	200	50	25	15	10	4.5°
C25-HSL10-200-2	1	200	60	25	16	10	4.5°
C25-HSL10-200-3	1	200	70	25	18	10	3°
C25-HSL10-200-4	1	200	50	25	20	10	3°
C25-HSL10-250-1	2	250	50	25	15	10	4.5°
C25-HSL10-250-2	1	250	60	25	16	10	4.5°
C25-HSL10-250-3	1	250	70	25	18	10	3°
C25-HSL12-160-1	1	160	50	25	17	12	4.5°
C25-HSL12-160-2	1	160	45	25	18	12	4.5°
C25-HSL12-160-3	1	160	50	25	20	12	3°
C25-HSL12-200-1	2	200	60	25	17	12	3°
C25-HSL12-200-2	1	200	50	25	17	12	4.5°
C25-HSL12-200-3	1	200	70	25	18	12	3°
C25-HSL12-200-4	1	200	50	25	20	12	3°
C25-HSL12-200-5	1	200	30	25	22	12	3°
C25-HSL12-250-1	2	250	60	25	17	12	3°
C25-HSL12-250-2	1	250	50	25	17	12	4.5°
C25-HSL12-250-3	1	250	70	25	18	12	3°



KG 直柄後拉式銑刀夾頭
STRAIGHT SHANK COLLET CHUCK/KG



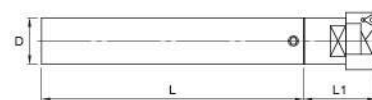
MODEL NO.	Clamping Range	L	L1	D	D1	Collet
C25-KG08-150	3-10	150	35	25	23	KG08
C25-KG08-200	3-10	200	35	25	23	KG08
C25-KG14-250	6-14	250	50	25	23	KG14
C32-KG08-200	3-10	200	80	32	23	KG08
C32-KG08-250	3-10	250	80	32	23	KG08
C32-KG08-300	3-10	300	80	32	23	KG08
C32-KG14-150	6-14	150	60	32	26	KG14
C32-KG14-200	6-14	200	50	32	26	KG14
C32-KG14-250	6-14	250	80	32	26	KG14



LB 直柄後拉式銑刀夾頭
STRAIGHT SHANK COLLET CHUCK/LB



MODEL NO.	Clamping Range	L	L1	D	D1	Collet
C16-LB06-150	2.6-6	150	30	16	14	LB06
C20-LB06-200	2.6-6	200	70	20	14	LB06
C20-LB08-200	3-8	200	20	20	18	LB08
C25-LB06-250	2.6-6	250	100	25	14	LB06



CK 直柄雙刃粗(精)搪刀桿
STRAIGHT SHANK BORING HOLDER/CK

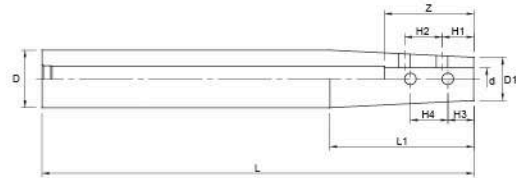


MODEL NO.	Boring Range	D	L	L1	Cutter
C25-CK2-150	25-33	25	150	45	RBH25、 CBH25
C25-CK2-180	25-33	25	180		
C25-CK2-250	25-33	25	250		
C25-CK2-300	25-33	25	300		
C32-CK3-165	32-42	32	165	55	RBH32、 CBH32
C32-CK3-200	32-42	32	200		
C32-CK3-300	32-42	32	300		



APU 一體式鑽夾頭 DRILL CHUCK HOLDER/APU

MODEL NO.	Clamping Range	L	L1	D	Taper NO.
C20-APU08	0.3-8	121	61	37.5	C20
C20-APU13	1-13	141	81	50.5	C20
C20-APU16	3-16	145	85	57	C20
C25-APU13	1-13	160	81	50.5	C25
C25-APU16	3-16	165	85	57	C25
C32-APU13	1-13	162	81	50.5	C32
C32-APU16	3-16	167	85	57	C32
MT2-APU08	0.3-8	142	61	37.5	MT2
MT3-APU13	1-13	180	81	50.5	MT3
MT3-APU16	3-16	186	85	57	MT3
MT4-APU13	1-13	206	81	50.5	MT4
MT4-APU16	3-16	210	85	57	MT4

**SLA 直柄側固式刀柄** STRAIGHT SHANK SIDE LOCK END MILL HOLDER

MODEL NO.	d	D	D1	L	L1	Z	H1	H2	H3	H4
C12-SLA4-120	4	12	12	120	-	-	5.5	10	10.5	-
C12-SLA6-120	6	12	12	120	-	-	8	10	-	-
C12-SLA6-150	6	12	12	150	-	-	7	13	13.5	-
C16-SLA4-120	4	16	9	120	40	-	6	8	-	-
C16-SLA4-150	4	16	9	150	55	-	6	8	-	-
C16-SLA4-150-H	4	16	10	150	85	-	6	9	10.5	-
C16-SLA6-120	6	16	12	120	30	-	8	10	-	-
C16-SLA6-150	6	16	12	150	30	-	8	10	-	-
C16-SLA6-200	6	16	12	200	50	-	8	10	-	-
C16-SLA6-200-S	6	16	10	200	60	-	7	12	13	-
C20-SLA6-150	6	20	12	150	50	-	6	14	13	-
C20-SLA6-150-S	6	20	10	150	70	-	6	14	13	-
C20-SLA6-200	6	20	12	200	50	-	6	14	13	-
C20-SLA6-200-S	6	20	11	200	80	-	10	10	-	-
C20-SLA8-150	8	20	15	150	50	-	7	14	14	-
C20-SLA8-150-S	8	20	13	150	60	-	7	14	14	-
C20-SLA8-200	8	20	15	200	60	-	7	14	14	-
C20-SLA8-200-S	8	20	13	200	70	-	10	11	-	-
C20-SLA10-150	10	20	18	150	30	-	10	14	17	-
C20-SLA10-150-S	10	20	16	150	50	-	10	14	17	-
C20-SLA10-200	10	20	18	200	50	-	11	13	-	-
C20-SLA10-200-S	10	20	16	200	70	-	11	13	-	-
C20-SLA12-150	12	20	20	150	-	-	12	14	-	-
C20-SLA12-150-S	12	20	17	150	50	-	20	15	-	-
C20-SLA12-200	12	20	20	200	-	50	12	14	-	-
C20-SLA12-200-T	12	20	20	200	-	-	12	14	-	-
C20-SLA12-250	12	20	20	250	-	50	12	14	-	-
C25-SLA12-150	12	25	21	150	50	-	13	15	-	-
C25-SLA12-200	12	25	21	200	60	-	13	15	-	-
C25-SLA16-200	16	25	25	200	-	60	12	23	22	-

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

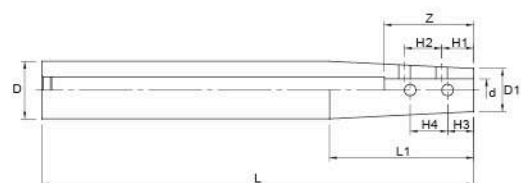
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

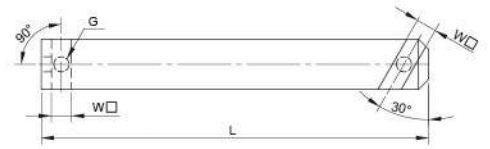
直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



SLA 直柄側固式刀柄 STRAIGHT SHANK SIDE LOCK END MILL HOLDER

MODEL NO.	d	D	D1	L	L1	Z	H1	H2	H3	H4
C32-SLA10-150	10	32	19	150	60	-	12	15	-	-
C32-SLA10-200	10	32	19	200	80	-	12	15	-	-
C32-SLA10-200-S	10	32	17	200	100	-	12	15	19.5	-
C32-SLA10-250	10	32	19	250	100	-	12	15	-	-
C32-SLA10-250-S	10	32	17	250	120	-	12	15	19.5	-
C32-SLA10-300	10	32	19	300	100	-	12	15	19.5	-
C32-SLA12-150	12	32	21	150	60	-	13	15	-	-
C32-SLA12-200	12	32	21	200	80	-	13	15	-	-
C32-SLA12-300	12	32	21	300	100	-	13	15	-	-
C32-SLA16-150	16	32	26	150	50	-	14	16	-	-
C32-SLA16-200	16	32	26	200	80	-	14	16	-	-
C32-SLA16-250	16	32	26	250	80	-	14	16	-	-
C32-SLA16-300	16	32	26	300	100	-	14	16	-	-
C32-SLA20-150	20	32	30	150	30	80	14	16	-	-
C32-SLA20-200	20	32	30	200	60	80	14	16	-	-
C32-SLA20-250	20	32	30	250	70	80	14	16	-	-
C32-SLA20-300	20	32	30	300	80	80	14	16	-	-
C32-SLA20-350	20	32	30	350	80	80	14	16	-	-
C42-SLA20-200	20	42	32	200	60	80	16	20	16	20
C42-SLA20-250	20	42	32	250	100	80	16	20	16	20
C42-SLA20-300	20	42	32	300	100	80	16	20	16	20
C42-SLA25-200	25	42	38	200	60	100	18	22	18	22
C42-SLA25-250	25	42	38	250	70	100	18	22	18	22
C42-SLA25-300	25	42	38	300	100	100	18	22	18	22
C42-SLA32-200	32	42	41	200	50	100	20	24	20	24
C42-SLA32-250	32	42	41	250	50	100	20	24	20	24
C42-SLA32-300	32	42	41	300	50	100	20	24	20	24

**M** 直柄絲攻延長桿 STRAIGHT SHANK TAP EXTENSION

MODEL NO.	L	D	d	□
C12-M4-75	75	12	5	4
C12-M4-100	100	12	5	4
C12-M4-150	150	12	5	4
C12-M5-75	75	12	5.5	4.5
C12-M5-100	100	12	5.5	4.5
C12-M5-150	150	12	5.5	4.5
C12-M6-75	75	12	6.0	4.5
C12-M6-100	100	12	6.0	4.5
C12-M6-150	150	12	6.0	4.5
C12-M8-75	75	12	6.2	5
C12-M8-100	100	12	6.2	5
C12-M8-150	150	12	6.2	5
C16-M4-200	200	16	5	4
C16-M4-250	250	16	5	4
C16-M5-200	200	16	5.5	4.5
C16-M5-250	250	16	5.5	4.5
C16-M6-200	200	16	6.0	4.5
C16-M6-250	250	16	6.0	4.5
C16-M8-150	150	16	6.2	5
C16-M8-200	200	16	6.2	5
C16-M8-250	250	16	6.2	5
C16-M10-150	150	16	7	5.5
C16-M10-200	200	16	7	5.5
C16-M10-250	250	16	7	5.5
C20-M10-200	200	20	7	5.5
C20-M10-250	250	20	7	5.5
C20-M12-150	150	20	8.5	6.5
C20-M12-200	200	20	8.5	6.5
C20-M12-250	250	20	8.5	6.5
C20-M14-150	150	20	10.5	8
C20-M14-200	200	20	10.5	8
C20-M14-250	250	20	10.5	8
C20-PT1/4-250	250	20	11	9
C25-M16-200	200	25	12.5	10
C25-M16-250	250	25	12.5	10
C25-M18-200	200	25	14	11
C25-M18-250	250	25	14	11

BS 直柄搪孔刀柄 STRAIGHT SHANK BORING HOLDER

MODEL NO.	D	L	W□	G
C16-BS130	16	130	1/4、6	M5
C16-BS150	16	150	1/4、6	M5
C16-BS200	16	200	1/4、6	M5
C20-BS150	20	150	5/16、8	M6
C20-BS200	20	200	5/16、8	M6
C20-BS300	20	300	5/16、8	M6
C25-BS200	25	200	5/16、8	M6
C25-BS250	25	250	5/16、8	M6
C25-BS300	25	300	5/16、8	M6
C32-BS250	32	250	3/8、10	M8
C32-BS300	32	300	3/8、10	M8
C42-BS250	42	250	1/2、13	M10
C42-BS300	42	300	1/2、13	M10
C42-BS350	42	350	1/2、13	M10
C42-BS400	42	400	1/2、13	M10

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

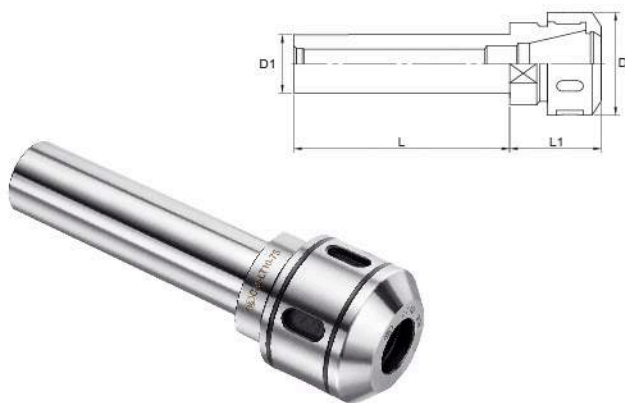
HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-BT20

直柄/斜柄

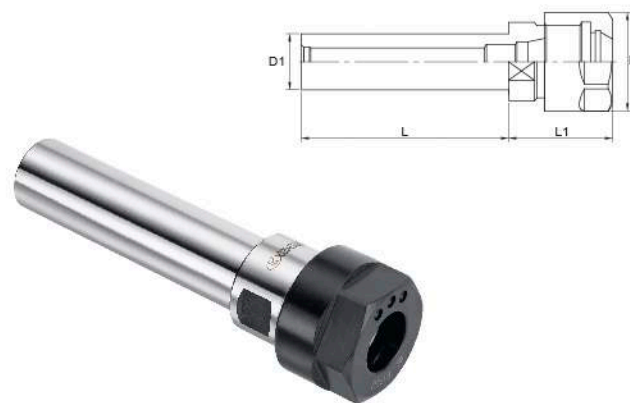
配件
Accessories減震刀桿
Damped tool series



LT 直柄夾頭 STRAIGHT SHANK COLLET CHUCK

MODEL NO.	Clamping Range	D	D1	L	L1
C20-LT06-150	2-6	20	20	120	30
C20-LT06-200	2-6	20	20	150	50
C20-LT06-250	2-6	20	20	175	75
C20-LT10-75	2-10.3	35	20	75	35
C20-LT10-120	2-10.3	35	20	85	35
C25-LT10-75	2-10.3	35	25	75	35
C25-LT10-120	2-10.3	35	25	85	35
C32-LT16-75	4-16	46	32	75	45
SL40-LT25-75	8-25	58	40	75	45

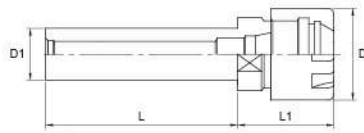
PS: 另有銑平面規格(SL)



ER 直柄夾頭 STRAIGHT SHANK SPRING COLLET CHUCK

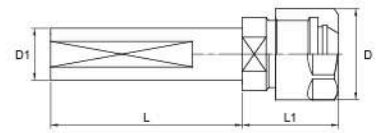
MODEL NO.	D	D1	L	L1
C16-ER11-50	19	16	50	25
C16-ER11-100	19	16	100	25
C20-ER16-50	28	20	50	30
C20-ER16-60	28	20	60	30
C20-ER16-100	28	20	100	30
C20-ER16-150	28	20	110	40
C20-ER16-200	28	20	125	75
C20-ER20-50	34	20	50	35
C20-ER20-75	34	20	75	35
C20-ER20-100	34	20	100	35
C20-ER20-150	34	20	150	35
C20-ER20-200	34	20	200	35
C20-ER20-250	34	20	150	100
C20-ER20-300	34	20	180	120
C25-ER16-50	28	25	50	30
C25-ER16-100	28	25	100	30
C25-ER20-50	34	25	50	35
C25-ER20-75	34	25	75	35
C25-ER20-100	34	25	100	35
C25-ER20-150	34	25	150	35
C25-ER25-75	42	25	75	35
C25-ER25-100	42	25	100	35
C32-ER25-75	42	32	75	35
C32-ER25-100	42	32	100	35
C32-ER32-100	50	32	100	40
C32-ER32-150	50	32	150	40
C32-ER32-200	50	32	150	50



**直柄ER夾頭-M型**

STRAIGHT SHANK SPRING COLLET CHUCK/ER(M)

MODEL NO.	D	D1	L	L1
C16-ER11-50-M	16	16	50	25
C16-ER11-100-M	16	16	100	25
C16-ER11-150-M	16	16	130	20
C16-ER11-200-M	16	16	150	50
C16-ER11-250-M	16	16	150	100
C16-ER11-300-M	16	16	180	120
C16-ER11-350-M	16	16	200	150
C20-ER11-75-M	16	20	75	25
C20-ER11-100-M	16	20	100	25
C20-ER16-50-M	23	20	50	30
C20-ER16-100-M	23	20	100	30
C20-ER16-150-M	23	20	110	40
C20-ER16-200-M	23	20	125	75
C20-ER16-250-M	23	20	150	100
C20-ER16-300-M	23	20	200	100
C20-ER16-350-M	23	20	250	100
C20-ER16-400-M	23	20	300	100
C20-ER20-50-M	29	20	50	35
C20-ER20-75-M	29	20	75	35
C20-ER20-100-M	29	20	100	35
C20-ER20-150-M	29	20	110	40
C20-ER20-200-M	29	20	120	80
C20-ER20-250-M	29	20	150	100
C20-ER20-300-M	29	20	180	120
C20-ER20-350-M	29	20	180	170
C25-ER16-100-M	23	25	100	30
C25-ER20-150-M	29	25	110	40
C25-ER20-200-M	29	25	120	80
C25-ER20-250-M	29	25	150	100
C25-ER20-300-M	29	25	180	120
C25-ER20-350-M	29	25	180	170
C25-ER20-400-M	29	25	180	220

**直柄ER夾頭-A型**

STRAIGHT SHANK SPRING COLLET CHUCK/ER(A)

MODEL NO.	D	D1	L	L1
SL20-ER16-50	28	20	50	30
SL20-ER16-60	28	20	60	30
SL20-ER16-100	28	20	100	30
SL20-ER16-150	28	20	110	40
SL20-ER16-200	28	20	125	75
SL20-ER20-50	34	20	50	35
SL20-ER20-75	34	20	75	35
SL20-ER20-100	34	20	100	35
SL20-ER20-150	34	20	150	35
SL20-ER20-200	34	20	200	35
SL25-ER16-50	28	25	50	30
SL25-ER16-100	28	25	100	30
SL25-ER20-50	34	25	50	35
SL25-ER20-75	34	25	75	35
SL25-ER20-100	34	25	100	35
SL25-ER20-150	34	25	150	35
SL25-ER25-75	42	25	75	35
SL25-ER25-100	42	25	100	35
SL32-ER25-75	42	32	75	35
SL32-ER25-100	42	32	100	35
SL32-ER32-100	50	32	100	40
SL32-ER32-150	50	32	150	40
SL32-ER32-200	50	32	150	40



P11-ER Collet



P10-ER Wrench



P10-ER Nut

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-8/15-8/20

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series



ER 直柄ER伸縮攻牙器

C/SL STRAIGHT SHANK COLLET CHUCK

MODEL NO.	Tapping Range	L	L1	D	D1	F1	F2
C20-TER16-80	M3-M12	80	130	28	20	4	8
C20-TER20-80	M4-M16	80	150	34	20	4	8
C25-TER16-80	M3-M12	80	130	28	25	4	8
C25-TER20-80	M4-M16	80	150	34	25	4	8
C32-TER32-80	M8-M27	80	170	50	32	4	10
SL40-TER32-80	M8-M27	80	170	50	32	4	10

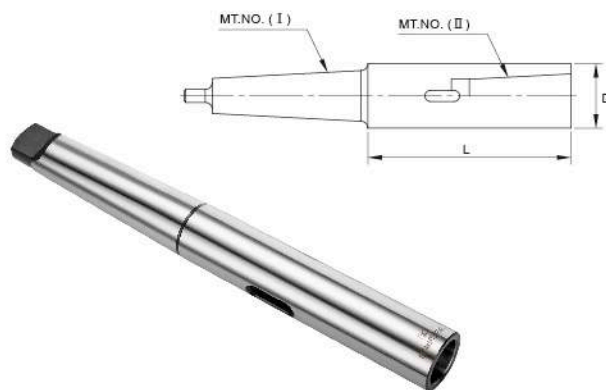
PS：另有銑平面規格(SL)



TPA 直柄/斜柄伸縮扭力攻牙器

STRAIGHT/MORSE TAPER SHANK

MODEL NO.	Tapping Range	D	L	F1	F2	Collet	Taper No.
C20-TPA316	M3-M16	53	130	10	20	TPA316	C20
C32-TPA316	M3-M16	53	130	10	20	TPA316	C32
MT3-TPA316	M3-M16	53	130	10	20	TPA316	MT3
MT4-TPA316	M3-M16	53	130	10	20	TPA316	MT4
MT4-TPA830	M8-M30	68	180	10	25	TPA830	MT4



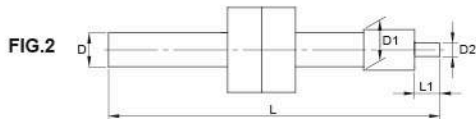
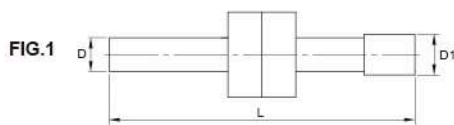
MT 延長鑽頭套筒 MORSE TAPER EXTENSION

MODEL NO.	MT.NO. (I)	MT.NO. (II)	D	L
MT3 x MT2-150	MT3	MT2	25	150
MT3 x MT2-200	MT3	MT2	25	200
MT3 x MT2-250	MT3	MT2	25	250
MT4 x MT3-150	MT4	MT3	32	150
MT4 x MT3-200	MT4	MT3	32	200
MT4 x MT3-250	MT4	MT3	32	250
MT4 x MT3-300	MT4	MT3	32	300
MT4 x MT4-150	MT4	MT4	40	150
MT4 x MT4-200	MT4	MT4	40	200
MT4 x MT4-250	MT4	MT4	40	250
MT4 x MT4-300	MT4	MT4	40	300
MT5 x MT4-150	MT5	MT4	45	150
MT5 x MT4-200	MT5	MT4	45	200
MT5 x MT4-250	MT5	MT4	45	250
MT5 x MT4-300	MT5	MT4	45	300


光電式尋邊器 PHOTOELECTRIC EDGE FINDER

MODEL NO.	D	D1	L	L1	L2
TS20	20	10	160	85	50
TS32	32	10	160	85	50
TS-B20	20	10	160	85	50
TS-B32	32	10	160	85	50

TS-B為蜂鳴音光電式尋邊器


偏心式尋邊器 MECHANICAL EDGE FINDER

MODEL NO.	Fig	D	D1	D2	L	L1
TS2-1020	1	10	10	-	82	-
TS2-0420	2	10	10	4	90	7.5
TS2-0610	3	10	-	6	65	11


擦拭棒 SPINDLE TAPER WIPER

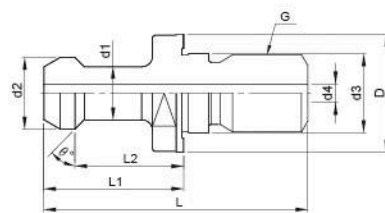
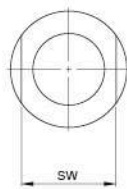
MODEL NO.	TAPER NO.
BT30	#30
BT40	#40
BT50	#50


Z軸高度設定器 Z AXIAL PRESET GAUGE

MODEL NO.	Setting High
LZ-50	50mm±0.005


立臥兩用BT、SK刀軸鎖刀座 TOOL LOCKING DEVICE

MODEL NO.	特性
LD-BT30	1.操作簡單，刀軸容易固定
LD-BT40	2.立式、臥式兩用
LD-BT50	3.不需要再調整角度即可使用
LD-SK40	4.置刀架使用鋁合金，保護刀把

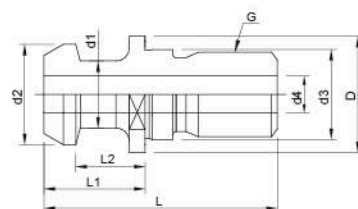
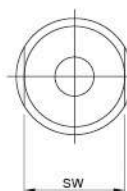


拉頭 PULL STUD

MODEL NO.	D	d1	d2	d3	d4	L	L1	L2	θ°	SW	G
BT30-45°	16.5	7	11	12.5	(2)	43	23	18	45°	13	M12×P1.75
BT30-60°	16.5	7	11	12.5	(2)	43	23	18	60°	13	M12×P1.75
BT30-90°	16.5	7	11	12.5	(2)	43	23	18	90°	13	M12×P1.75
BT40-45°	23	10	15	17	(4)	60	35	28	45°	19	M16×P2.0
BT40-60°	23	10	15	17	(4)	60	35	28	60°	19	M16×P2.0
BT40-90°	23	10	15	17	(4)	60	35	28	90°	19	M16×P2.0
BT50-45°	38	17	23	25	(7)	85	45	35	45°	30	M24×P3.0
BT50-60°	38	17	23	25	(7)	85	45	35	60°	30	M24×P3.0
BT50-90°	38	17	23	25	(7)	85	45	35	90°	30	M24×P3.0

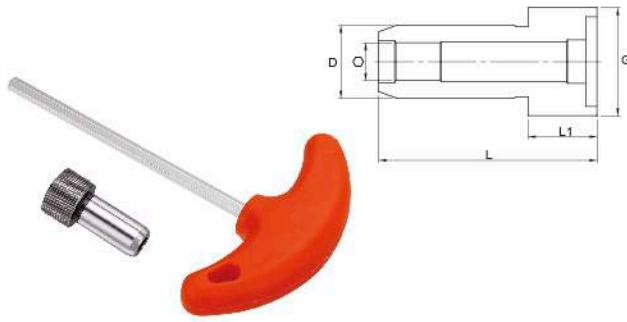
HBT高強度拉頭

MODEL NO.	D	d1	d2	d3	d4	L	L1	L2	θ°	SW	G
BT30-45°-HP	16.5	7	11	12.5	-	43	23	18	45°	13	M12×P1.75
BT30-60°-HP	16.5	7	11	12.5	-	43	23	18	60°	13	M12×P1.75
BT40-45°-HP	23	10	15	17	-	60	35	28	45°	19	M16×P2.0
BT40-60°-HP	23	10	15	17	-	60	35	28	60°	19	M16×P2.0



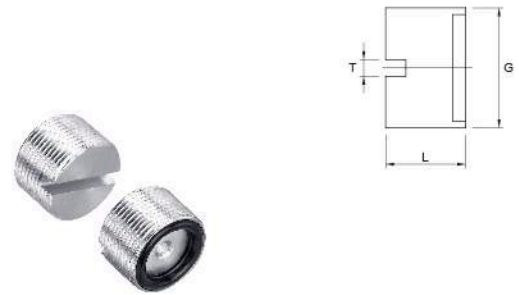
拉頭 PULL STUD

MODEL NO.	D	d1	d2	d3	d4	L	L1	L2	SW	G
DIN69872-30A	17	9	13	13	3	44	24	19	14	M12×P1.75
DIN69872-40A	23	14	19	17	7	54	26	20	19	M16×P2.0
DIN69872-50A	36	21	28	25	11.5	74	34	25	30	M24×P3.0
CAT40-ANSI	23.8	12.4	18.8	-	7.1	38.1	16.26	11.18	19	5/8"
CAT50-ANSI	36.5	20.82	28.95	-	11.8	58.42	25.4	17.78	31.75	1"
MAZAK-BT40	22	12.45	18.8	17	7	44.1	19.1	14	19	M16×P2.0
MAZAK-BT50	37	20.83	28.95	25	10	65.2	25.2	17.58	30	M24×P3.0
ISO7388/2B-40	22.5	12.95	18.95	17	7.3	44.5	16.4	11.15	19	M16×P2.0
ISO7388/2B-50	37	19.6	29.1	25	11.5	65.5	25.5	17.95	30	M24×P3.0
ISO20	11.4	6	9	8.5	-	26	12	9	10	M8×P1.25
ISO25	12	7	10	9	-	32	16	11.6	10	M8×P1.25
ISO30	17	9	13	13	-	45	24	19	14	M12×P1.75
JIS-B6339-30PA	16.5	8	12	12.5	4	43	23.4	18.4	13	M12×P1.75
JIS-B6339-40PA	23	14	19	17	7	54	29	23	19	M16×P2.0
JIS-B6339-50PA	38	21	28	25	10	74	34	25	30	M24×P3.0



HSK 中心出水導油管 COOLANT SUPPLY

MODEL NO.	D	L	L1	G		適用刀桿
HSK63導油管	12	36.5	11.5	M18×P1.0	6	HSK63A、 HSK63C、 HSK63E
HSK100導油管	16	43.75	15.65	M24×P1.5	8	HSK100A、 HSK100C



HSK 止水塞頭 WATER STOP PLUG

MODEL NO.	L	G	T	適用刀桿
HSK40塞頭	7.8	M12×P1.0	2.5	HSK40A、HSK40B、 HSK40C、HSK40D、 HSK40E、HSK50F
HSK50塞頭	9.8	M16×P1.0	1.5	HSK50A、HSK50B、 HSK50C、HSK50D、 HSK50E、HSK63F
HSK60塞頭	11.8	M18×P1.0	2.5	HSK63A、HSK63B、 HSK63C、HSK63D、 HSK63E

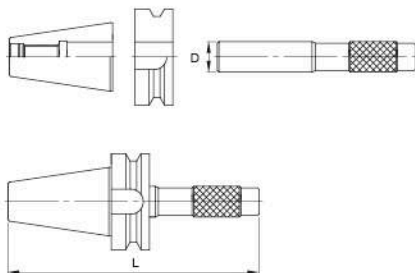


FIG.1

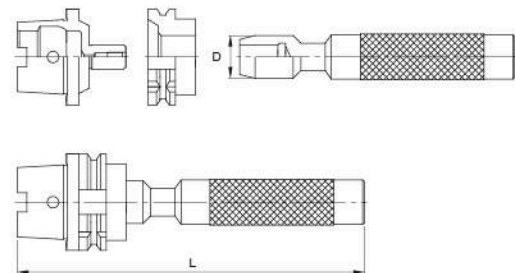


FIG.2



三點式組合模具 MODULAR CONCENTRICITY TEST GAUGE

MODEL NO.	Fig	D	L
BT30-ATC	1	16	146
BT40-ATC	1	20	163
BT50-ATC	1	30	221
HSK63-ATC	2	28	226





ER 直柄ER夾頭組

STRAIGHT SHANK SPRING COLLET SET

MODEL NO.	Clamping Range	Collet
C20-ER16-50	0.5-10	ER16
C20-ER16-100		1、2、3
C20-ER16-150		4、5、6
C20-ER16-200		7、8、9、10
C20-ER20-50	1-13	ER20
C20-ER20-100		2、3、4、5
C20-ER20-150		6、7、8、9、10
C20-ER20-200		11、12、13



BC2 搪孔器組 BORING SHANK SET

MODEL NO.	搪孔範圍	本體直徑	移位行程	進刀刻量	搪刀柄徑	整組內容
BT30-BC2	ø10- ø150	ø50	16mm	0.02mm	ø12	焊接搪刀ø12-70L 焊接搪刀ø12-80L 搪刀桿ø12xø18-90L 白車刀1/4"-30L
BT40-BC2						
BT50-BC2						
SK40-BC2						
NT30-BC2						
NT40-BC2						
NT50-BC2						
C20-BC2						
C25-BC2						
C32-BC2						



OZ 立銑刀夾頭組 OZ COLLET CHUCK SET

MODEL NO.	Specification	Pcs/Set
MT3-OZ25	6、8、10、12、16、20、25	7 pcs/set
NT30-OZ25	6、8、10、12、16、20、25	7 pcs/set
NT40-OZ25	6、8、10、12、16、20、25	7 pcs/set
NT40-OZ32	6、8、10、12、16、20、25、32	8 pcs/set
NT50-OZ32	6、8、10、12、16、20、25、32	8 pcs/set

**BHB 搪孔器組 BORING SHANK SET**

MODEL NO.	搪孔範圍	本體直徑	移位行程	進刀刻畫	搪刀柄徑	整組內容
BT30-BHB	ø10- ø250	ø84	28mm	0.01mm	ø18	焊接搪刀Ø18-90L
BT40-BHB						焊接搪刀Ø18-120L
BT50-BHB						焊接搪刀Ø10-60L
SK40-BHB						焊接搪刀Ø10-70L
NT30-BHB						焊接搪刀Ø10-80L
NT40-BHB						搪刀桿Ø18-90L
NT50-BHB						搪刀桿Ø18-120L
C20-BHB						搪孔刀套Ø18xØ10-50L
C25-BHB						白車刀1/4"-30L
C32-BHB						

**懸臂鑽床攻牙器組 DRILL TAPER SET**

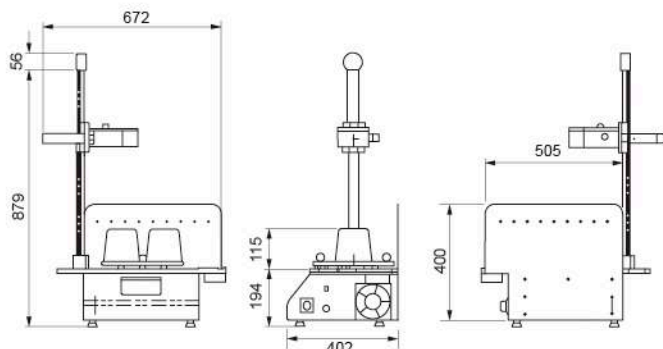
Tapper Body	Weight (kg)	Tap Collet	Taper Sleeve	Weight (kg)
DT33-MT3	3.15	M5(W3/16)・M6(W1/4)・M8・ M10(W3/8)・M12・M14・M16・ M18(W3/4・PT3/8)・M20・M22(W7/8)・ M24・M27(W1)・M28・M30・ M32(W1-1/4・PT7/8)・M33・ M35(W1-3/8・PT1)・M36(PT1-1/8)・ W1/2・W5/8・W1-1/8・PT1/8・PT1/2	DT33-MT1	0.7
DT33-MT4	3.48		DT33-MT2	
DT33-MT5	4.48		DT33-MT3	
DT52-MT5	7.43	M20・M22(W7/8)・M24・M27(W1)・ M30・M32(W1-1/4・PT7/8)・M33・ M35(W1-3/8・PT1)・M36(PT1-1/8)・ M40(W1-1/2)・M42(PT1-1/4)・ M45(W1-3/4・PT1-3/8)・M48(PT1-1/2)・ M52(PT1-3/4)・M56・M60(PT2)・ M64(W2-1/2)・W2・W1-1/8	DT52-MT2	2
			DT52-MT3	
			DT52-MT4	
			DT52-MT5	

PS：DT33、DT52筒夾另有ISO、DIN規格。
DT33筒夾另有加長100L、150L、200L。

**KCH 強力型精密銑刀夾頭組
POWER GRIP MILLING CHUCK SET/KCH**

MODEL NO.	Specification	Pcs/Set
NT30-KCH20-75	6・8・10・12・16	5 pcs/set
NT40-KCH32-85	6・8・10・12・16・20・25	7 pcs/set
NT50-KGH32-90	6・8・10・12・16・20・25	7 pcs/set
MT5-KCH32-90	6・8・10・12・16・20・25	7 pcs/set
NT50-KCH42-105	6・8・10・12・16・20・25・32	8 pcs/set

高周波燒結機 INDUCTION SHRINKING UNIT



MODEL NO.	配備說明	適用尺寸	淨重(毛重)kg
H4KWA	燒結氣冷雙機一體	ø3-ø20	38 (39.5) kg
訂購時需註明刀把主軸襯套編號，隨機附贈。 主軸規格：BT30、BT40、BT50、HSK63			



特性說明

1. 強力型線圈-4KW。
2. 可依刀把調整功率(25%~100%)。
3. 簡易型按鈕-單手操作。
4. 中英文介面-易學好用。
5. 內建預設值-避免過熱。
6. 氣冷裝置-標準配備。
7. 雙主軸座-同步使用。
8. 刀具放置架。
9. 標準電壓220V-隨處可用。
10. 模組化裝配。
11. 加熱加緊時間：4~10秒。
12. 刀把長度無限制。

Features

1. Powerful coil-4kw.
2. Adjustable power (25%~100%).
3. Simple button-operating with single hand.
4. Chinese and English interface-easy to learn and use.
5. Default parameter-avoiding overheating.
6. Air-cooling-standrd equipped.
7. Double chuck seats.
8. Tool storage.
9. Standard power required 220v - can be used anywhere.
10. Modular design.
11. Shrinking time : 4~10 sec.
12. Unlimited tool length.



強力線圈



加熱加緊時間4~8秒



氣冷裝置



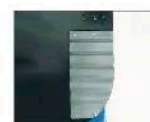
刀把長度無限制



雙主軸座



簡易型按鈕



刀具放置架



模組化裝配



標準電壓



中英文介面



內建預設值



此產品不含工具車

減震刀桿使用注意事項與刀具維護 NOTICE OF OPERATIONS & MAINTENANCE

1. 檢查機床主軸，主軸跳動量，磨損情況和拉刀機構的夾緊力。
2. 良好的主軸錐度咬合面及拉力夾緊力是避免震動的基礎。
3. 工具機主軸需保持清潔，主軸孔與端面碰傷部分需清除。刀桿裝在主軸上旋轉，偏擺需維持在0.03 mm以內，超長刀柄需在0.05mm內；當主軸偏擺過大，會造成減震器失效，所以只能在主軸旋轉精度良好的機床上才適用減震搪孔刀桿或減震面銑刀桿。
4. 在無干涉狀況下選擇最大柄徑的刀桿和最短的基礎刀桿。
範例一：BT50-FMH27-400-D58柄徑是Ø58，如果選用BT50-FMH27-400-D78，柄徑是Ø78，不僅刀桿剛性變好，較大柄徑可裝入更大減震器，減震效果更好。
範例二：假如要精搪Ø70的孔，選用SCBH68搭配BT50-LBK6刀桿，會比使用SCHB52搭配BT50-LBK5刀桿呈現更好的減震效果和懸伸長。
5. 減震產品內部有橡膠製品，加工時需有切削液輔助降低工件與刀桿溫度。
6. 減震產品長時間不使用時應直立放置，在收藏前需用壓縮空氣將內部的切削液清理乾淨，擦拭後上油保養，避免潮濕生鏽。
7. 當組裝減震刀桿時，應小心地正確鎖緊刀體，確保不會損壞減震刀桿。由於減震刀桿壁較薄，因此減震刀桿不能夾持、敲擊、拆解、撞機，以上狀況均會導致減震功能喪失。
 - 檢查並確認所有單元都以正確的扭矩正確組裝。
 - 組裝刀片和刀具時，請務必使用扭矩扳手按照推薦扭矩鎖緊螺絲。
 - 裝配之前清潔所有要裝配的零件。
 - 每年至少一次用潤滑油擦拭所有裝配零件。
 - 定期潤滑用於精搪的精搪調整機構。
8. 所有減震刀具都只能正轉使用，如需反轉則需另行訂製。



1. Operator must check machine spindle runout, spindle wear, and tool clamping force prior to operations.
2. Proper contact surface on spindle taper and sufficient tool clamping force leads to minimized vibration.
3. Keep machine spindle clean at all times. Scratches appeared on surfaces of spindle cone and spindle nose must be removed. Test tool run-out while the tool is loaded on spindle, measurand should be within 0.03 mm for ordinary tool length and 0.05 mm for overlength tooling. When spindle run-out value exceeds the rated accuracy range will cause the damper system malfunctioned. Most considerations of successful operations are however the same, such as workpiece set-up and machine/spindle stability. Make the most out of your milling and boring operations with **STABLELINE®** tools.
4. It is essential to select the largest possible tool size and to minimize the overhang under interference-free condition to obtain the best stability and accuracy.
e.g.1: Selecting BT50-FMH27-400-D78 instead of BT50-FMH27-400-D58. By integrating larger damping device with bigger tool diameter performs better rigidity and cutting results.
e.g.2: For Ø70 mm fine boring process, using SCBH68 with BT50-LBK6 offers better performance and achieve longer overhangs than using SCHB52 with BT50-LBK5.
5. The damper system inside the tool consists of a heavy mass, supported by rubber elements. Coolant supply while cutting will be needed to prevent the tool from overheating.
6. Clean the residual coolant out of the **STABLELINE®** tools by using compressed air, tools must be coated with anti-rust oil and should be set upright and proper packing during long idle time.
7. Be cautious and precise while assembling the damped tools. Do not clamp, knock, disassemble, collide at the tool body.
 - Applying correct torque while handling tool assemblies.
 - Using torque wrench to give proper torque according to instructions while handling tools and inserts assemblies.
 - Keep all parts clean prior to assembly.
 - Refill lubricant regularly is required for fine boring adjusting device.
8. All **STABLELINE®** tools are designed for CW rotation. In case of CCW rotation is required, please contact the manufacturer.

BT-SCBH整體式減震精搪刀桿 & BT-SRBH-LA整體式減震粗搪刀桿

BT-SCBH INTEGRATED FINE BORING TOOLS & BT-SRBH-LA INTEGRATED TWIN-BIT ROUGH BORING TOOLS

特性說明

1. BT刀桿+減震器+搪孔頭整體式的結合，可在搪孔加工上得到最大剛性與切削性能。
2. 具有多種規格，自 $\varnothing 25$ ~ $\varnothing 102$ 均可搭配使用，所有規格均具有中心出水功能。
3. 本產品應用在加工深度為柄徑的6~10倍加工長。
4. BT整體式搪孔刀系列與一般BT刀桿+SCBH相比較，可得到更加穩定的切削效能和加工效率。

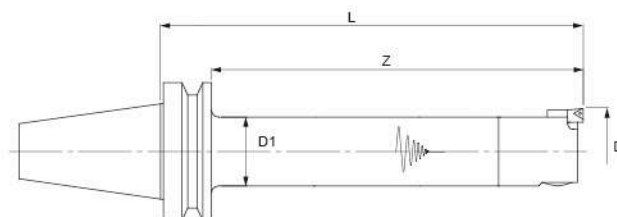
專利產品 Patent Products

中國 ZL 2015 2 0282217.6
 China ZL 2015 2 0282261.7
 台灣 Patent No. M 538855
 Taiwan Patent No. M 510806



Features

1. Integrated structure of BT arbor, damper and boring head, can get best rigidity and cutting efficiency in machining.
2. With many specification from $\varnothing 25$ ~ $\varnothing 102$, all with function of coolant through spindle.
3. 6D~10D deep machining has the best effect.
4. Compared to BT-LBK arbor + SCBH boring head, the integrated boring tools can get more stable cutting efficacy and machining efficiency.



SCBH 整體式減震精搪刀桿

INTEGRATED FINE BORING TOOLS/SCBH

MODEL NO.	Boring Range	L	Z	D1	Weight
BT50-SCBH40-365	40-55	365	320	39	6.87
BT50-SCBH40-405	40-55	405	360	39	7.15
BT50-SCBH40-445	40-55	445	400	39	7.43
BT50-SCBH52-445	52-75	445	400	50	10.07
BT50-SCBH52-495	52-75	495	450	50	10.62
BT50-SCBH52-545	52-75	545	500	50	11.17
BT50-SCBH68-565	68-102	565	520	64	14.92
BT50-SCBH68-630	68-102	630	585	64	16.06
BT50-SCBH68-695	68-102	695	650	64	17.20
BT50-SCBH100-565	100-152	565	520	84	21.82
BT50-SCBH100-630	100-152	630	585	84	24.06
BT50-SCBH100-695	100-152	695	650	84	26.30

SRBH-LA 整體式減震粗搪刀桿

INTEGRATED TWIN-BIT ROUGH BORING TOOLS/SRBH-LA

MODEL NO.	Boring Range	L	Z	D1	Weight
BT50-SRBH40LA-365	40-55	365	320	39	6.97
BT50-SRBH40LA-405	40-55	405	360	39	7.25
BT50-SRBH40LA-445	40-55	445	400	39	7.53
BT50-SRBH52LA-445	52-75	445	400	50	10.07
BT50-SRBH52LA-495	52-75	495	450	50	10.62
BT50-SRBH52LA-545	52-75	545	500	50	11.17
BT50-SRBH68LA-565	68-102	565	520	64	16.56
BT50-SRBH68LA-630	68-102	630	585	64	17.70
BT50-SRBH68LA-695	68-102	695	650	64	18.84
BT50-SRBH90LA-565	100-152	565	520	84	23.79
BT50-SRBH90LA-630	100-152	630	585	84	26.03
BT50-SRBH90LA-695	100-152	695	650	84	28.27

* 訂購時請註明BT系列或HBT系列。 Please indicate BT or HBT series on the order.

BT-SLBK減震搪刀桿 BT-SLBK DAMPED BORING BAR**特性說明**

1. 在BT刀桿上加裝減震器，搭配原本使用的搪頭，而得到更深的加工深度與更好的加工品質。
2. 本產品應用於加工深度為柄徑D的6~8倍長。
3. 如加工深度超出刀桿已設定的長度，則需改用BT整體式減震刀桿系列。

Features

1. By integrating STABLELINE® SLBK damped bar into the BT holder, the BT-SLBK damped boring bar features longer-reach and excellent surface finishes even without changing to damped boring head.
2. The BT-SLBK damped boring bars are ideal for successful boring operations at overhangs reaching from 6 up to 8 times bar diameter.
3. We strongly recommend to select BT-SCBH/SRBH series integrated damped boring tools in case the overhangs exceed 8xD in your boring applications.

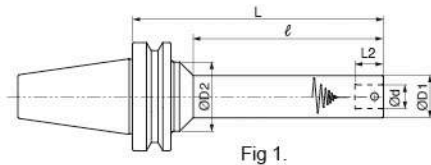


Fig 1.

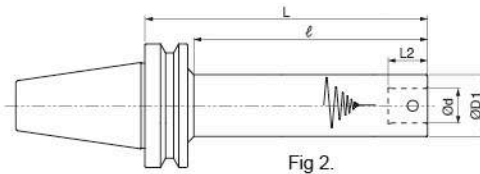


Fig 2.

MODEL NO.	Fig.	L	Z	ØD2	ØD1	Ød	L2	Applicable Boring Heads	Weight
BT40-SLBK2-150	1	150	110	39	24	14	18	CBH25, CBM27, RBH25LA	1.45
BT40-SLBK2-175	1	175	135	39	24	14	18		1.51
BT40-SLBK2-200	1	200	160	39	24	14	18		1.56
BT40-SLBK3-200	1	200	160	50	31	18	22	CBH32, CBM35, RBH32LA	2.21
BT40-SLBK3-230	1	230	190	50	31	18	22		2.34
BT40-SLBK3-260	1	260	220	50	31	18	22		2.47
BT40-SLBK4-235	1	235	200	50	39	22	26	CBH40, CBM45, RBH40LA	3.12
BT40-SLBK4-275	1	275	240	50	39	22	26		3.42
BT40-SLBK4-315	1	315	280	50	39	22	26		3.71
BT40-SLBK5-310	2	310	280	-	50	28	32	CBH52, CBM55, RBH52LA	6.30
BT40-SLBK6-295	2	295	270	-	64	36	42	CBH68, CBM68, RBH68&90LA	8.71
BT50-SLBK2-160	1	160	110	39	24	24	18	CBH25, CBM27, RBH25LA	4.09
BT50-SLBK2-185	1	185	135	39	24	24	18		4.15
BT50-SLBK2-210	1	210	160	39	24	24	18		4.21
BT50-SLBK3-220	1	220	160	50	31	31	22	CBH32, CBM35, RBH32LA	4.97
BT50-SLBK3-250	1	250	190	50	31	31	22		5.15
BT50-SLBK3-280	1	280	220	50	31	31	22		5.33
BT50-SLBK4-260	1	260	205	64	39	39	26	CBH40, CBM45, RBH40LA	6.00
BT50-SLBK4-300	1	300	245	64	39	39	26		6.24
BT50-SLBK4-340	1	340	285	64	39	39	26		6.48
BT50-SLBK5-310	1	310	265	64	50	50	32	CBH52, CBM55, RBH52LA	8.74
BT50-SLBK5-355	1	355	310	64	50	50	32		9.39
BT50-SLBK5-400	1	400	355	64	50	50	32		10.04
BT50-SLBK6-375	2	375	330	-	64	64	42	CBH68, CBM68, RBH68&90LA	14.28
BT50-SLBK6-440	2	440	395	-	64	64	42		15.11
BT50-SLBK6-505	2	505	460	-	64	64	42		15.96

專利產品 Patent Products

中國 ZL 2015 2 0282217.6

China ZL 2015 2 0282261.7

台灣 Patent No. M 538855

Taiwan Patent No. M 510806



BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-8720

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series

LBK減震異徑雙刃粗搪頭-組合式

LBK INTEGRATED MODULAR DAMPED ROUGH BORING TOOL

專利產品 Patent Products

中國 ZL 2015 2 0282217.6

China ZL 2015 2 0282261.7

台灣 Patent No. M 538855

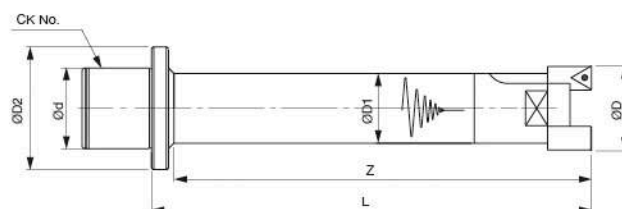
Taiwan Patent No. M 510806

特性說明

1. 刀桿本體採用LBK雙邊拉力接合方式，可與任何相對應的LBK主軸刀桿相結合，獲得最大的精度與剛性。
2. 在不同主軸規格的機床上，可選用相對應的LBK刀桿，進行不同的組合應用，具備更多的加工便利性及經濟效益。

Features

1. The bar body is designed with LBK bilateral pull-back clamping mechanism and is interchangeable with suitable LBK tool holder types, thus produces the best rigidity and superior cutting.
2. Selecting suitable LBK integrated modular damped fine boring tools in accordance with spindle of every variety. The combination offers great flexibility with a large number of boring tools suitable for a wide range of applications.



MODEL NO.	ØD	Ød	ØD2	ØD1	Z	L	Weight
LBK6-2-SRBH25LA-175	25-35	36	64	24	150	175	1.33
LBK6-2-SRBH25LA-200					175	200	1.40
LBK6-2-SRBH25LA-225					200	225	1.48
LBK6-3-SRBH32LA-215	32-45			31	190	215	2.01
LBK6-3-SRBH32LA-245					220	245	2.16
LBK6-3-SRBH32LA-275					250	275	2.30
LBK6-4-SRBH40LA-260	40-55			39	240	260	3.11
LBK6-4-SRBH40LA-300					280	300	3.39
LBK6-4-SRBH40LA-340					320	340	3.73
LBK6-5-SRBH52LA-315	52-75			50	300	315	5.77
LBK6-5-SRBH52LA-365					350	365	6.39
LBK6-5-SRBH52LA-415					400	415	7.01
LBK7-4-SRBH40LA-270	40-55	58	88	39	240	270	4.12
LBK7-4-SRBH40LA-310					280	310	4.43
LBK7-4-SRBH40LA-350					320	350	4.75
LBK7-45-SRBH46LA-325	46-55			45	300	325	4.88
LBK7-45-SRBH46LA-375					350	375	5.35
LBK7-45-SRBH46LA-425					400	425	5.82
LBK7-45-SRBH46LA-475	52-75			50	450	475	6.29
LBK7-45-SRBH46LA-525					500	525	6.74
LBK7-5-SRBH52LA-325					300	325	6.77
LBK7-5-SRBH52LA-375	68-100			64	350	375	7.37
LBK7-5-SRBH52LA-425					400	425	8.00
LBK7-6-SRBH68LA-420					400	420	12.56
LBK7-6-SRBH68LA-480	68-100			64	460	480	13.81
LBK7-6-SRBH68LA-540					520	540	15.05

LBK減震異徑微調精搪頭-組合式**LBK INTEGRATED MODULAR DAMPED FINE BORING TOOL**

專利產品 Patent Products

中國 ZL 2015 2 0282217.6

China ZL 2015 2 0282261.7

台灣 Patent No. M 538855

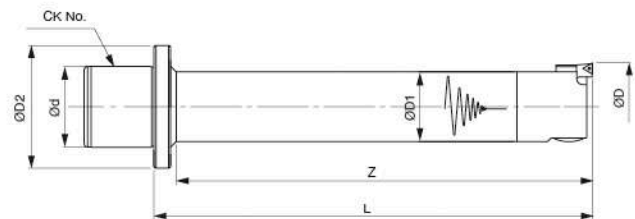
Taiwan Patent No. M 510806

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Features

1. The bar body is designed with LBK bilateral pull-back clamping mechanism and is interchangeable with suitable LBK tool holder types, thus produces the best rigidity and superior cutting.
2. Selecting suitable LBK integrated modular damped fine boring tools in accordance with spindle of every variety. The combination offers great flexibility with a large number of boring tools suitable for a wide range of applications.



MODEL NO.	ØD	Ød	ØD2	ØD1	Z	L	Weight
LBK6-1-SCBH20-150	20-26	36	64	19	120	150	1.02
LBK6-1-SCBH20-170					140	170	1.09
LBK6-1-SCBH20-190					160	190	1.22
LBK6-2-SCBH25-175	25-33			24	150	175	1.33
LBK6-2-SCBH25-200					175	200	1.40
LBK6-2-SCBH25-225					200	225	1.48
LBK6-3-SCBH32-215	32-42			31	190	215	2.01
LBK6-3-SCBH32-245					220	245	2.16
LBK6-3-SCBH32-275					250	275	2.30
LBK6-4-SCBH40-260	40-55			39	240	260	3.11
LBK6-4-SCBH40-300					280	300	3.39
LBK6-4-SCBH40-340					320	340	3.73
LBK6-5-SCBH52-315	52-75			50	300	315	5.77
LBK6-5-SCBH52-365					350	365	6.39
LBK6-5-SCBH52-415					400	415	7.01
LBK7-4-SCBH40-270	40-55	58	88	39	240	270	4.12
LBK7-4-SCBH40-310					280	310	4.43
LBK7-4-SCBH40-350					320	350	4.75
LBK7-45-SCBH46-325	46-55			45	300	325	4.88
LBK7-45-SCBH46-375					350	375	5.35
LBK7-45-SCBH46-425					400	425	5.82
LBK7-45-SCBH46-475	52-75			50	450	475	6.29
LBK7-45-SCBH46-525					500	525	6.74
LBK7-5-SCBH52-325					300	325	6.77
LBK7-5-SCBH52-375	68-102			64	350	375	7.37
LBK7-5-SCBH52-425					400	425	8.00
LBK7-6-SCBH68-420					400	420	12.56
LBK7-6-SCBH68-480	68-102			64	460	480	13.81
LBK7-6-SCBH68-540					520	540	15.05

FMH 減震面銑刀桿系列

ANTI-VIBRATION FACE MILLING ARBOR SERIES/FMH

專利產品 Patent Products

中國 ZL 2015 2 0282217.6

China ZL 2015 2 0282261.7

台灣 Patent No. M 538855

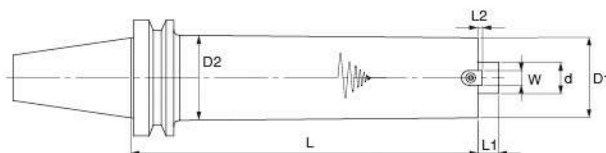
Taiwan Patent No. M 510806

特性說明

1. 本產品使用中空刀桿與動態減震器，可吸收徑向與軸向的震動。
2. 可適用市面上所有通用的面銑刀盤。
3. 本產品與相同長度的面銑刀桿相比，可得到更快的切削進給及良好的加工表面精度。

Features

1. With configuration of hollow type tool body and dynamic vibration absorber, the STABLELINE® integrated FMH damped milling tools provide you the required reach and vibration resulting from axial and radial kinetic energy can be damped efficiently.
2. A versatile option with high levels of interchangeability, the FMH damped milling tool series features replaceable head milling cutters for all kinds of applications.
3. FMH damped milling tools optimize cutting speed and feed, offering higher productive machining compared to other face milling tools of equivalent length.



公制刀盤用 USE IN METRIC SYSTEM

MODEL NO.	ØD2	ØD1	L	Ød	L1	W	L2	Weight
BT50-FMH22-250-S	44	44	250	22	18	10	4.3	6.01
BT50-FMH22-300-S	44	44	300	22	18	10	4.3	6.45
BT50-FMH22-350-S	44	44	350	22	18	10	4.3	6.89
BT50-FMH22-250	48	48	250	22	18	10	4.3	5.91
BT50-FMH22-300	48	48	300	22	18	10	4.3	6.58
BT50-FMH22-350	48	48	350	22	18	10	4.3	7.25
BT50-FMH22-400	48	48	400	22	18	10	4.3	7.92
BT50-FMH22-B-300	61	58	300	22	18	10	4.3	7.46
BT50-FMH22-B-350	61	58	350	22	18	10	4.3	8.33
BT50-FMH22-B-400	61	58	400	22	18	10	4.3	9.2
BT50-FMH22-B-450	61	58	450	22	18	10	4.3	10.07
BT50-FMH22-B-500	61	58	500	22	18	10	4.3	10.94
BT50-FMH27-300	61	58	300	27	20	12	5.8	7.56
BT50-FMH27-350	61	58	350	27	20	12	5.8	8.43
BT50-FMH27-400	61	58	400	27	20	12	5.8	9.3
BT50-FMH27-450	61	58	450	27	20	12	5.8	10.17
BT50-FMH27-500	61	58	500	27	20	12	5.8	11.04
BT50-FMH27-600	61	58	600	27	20	12	5.8	12.69

注意事項

1. 減震銑刀桿適合一層層的銑削方式去除材料，不適合採用插銑的加工方式。
2. 長時間銑削需搭配冷卻液或氣體冷卻刀桿本體，加工造成的溫度升需控制在 120°C 以內。

Notice of operations

1. The FMH damped milling tool is designed to handle stepped milling operations instead of plunge milling.
2. Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.

公制刀盤用 USE IN METRIC SYSTEM

MODEL NO.	ØD2	ØD1	L	Ød	L1	W	L2	Weight
BT50-FMH27-B-300	73	70	300	27	20	12	5.8	8.74
BT50-FMH27-B-350	73	70	350	27	20	12	5.8	9.89
BT50-FMH27-B-400	73	70	400	27	20	12	5.8	11.03
BT50-FMH27-B-450	73	70	450	27	20	12	5.8	12.18
BT50-FMH27-B-500	73	70	500	27	20	12	5.8	13.33
BT50-FMH27-B-600	73	70	600	27	20	12	5.8	15.6
BT50-FMH32-300	73	70	300	32	21	14	6.8	8.9
BT50-FMH32-350	73	70	350	32	21	14	6.8	10.05
BT50-FMH32-400	73	70	400	32	21	14	6.8	11.2
BT50-FMH32-450	73	70	450	32	21	14	6.8	12.35
BT50-FMH32-500	73	70	500	32	21	14	6.8	13.5
BT50-FMH32-600	73	70	600	32	21	14	6.8	15.8
BT50-FMH32-B-500	84	80	500	32	21	14	6.8	15.01
BT50-FMH32-B-600	84	80	600	32	21	14	6.8	17.46
BT50-FMH40-B-500	84	80	500	40	21	16	6	15.33
BT50-FMH40-B-600	84	80	600	40	21	16	6	17.78

英制刀盤用 USE IN INCH SYSTEM

MODEL NO.	ØD2	ØD1	L	Ød	L1	W	L2	Weight
BT50-FMH25.4-300	61	58	300	25.4	19	9.5	4.3	7.62
BT50-FMH25.4-350	61	58	350	25.4	19	9.5	4.3	8.43
BT50-FMH25.4-400	61	58	400	25.4	19	9.5	4.3	9.24
BT50-FMH25.4-450	61	58	450	25.4	19	9.5	4.3	10.05
BT50-FMH25.4-500	61	58	500	25.4	19	9.5	4.3	10.86
BT50-FMH25.4-B-300	73	70	300	25.4	19	9.5	4.3	8.71
BT50-FMH25.4-B-350	73	70	350	25.4	19	9.5	4.3	9.86
BT50-FMH25.4-B-400	73	70	400	25.4	19	9.5	4.3	11.01
BT50-FMH25.4-B-450	73	70	450	25.4	19	9.5	4.3	12.16
BT50-FMH25.4-B-500	73	70	500	25.4	19	9.5	4.3	13.31
BT50-FMH25.4-B-600	73	70	600	25.4	19	9.5	4.3	15.61
BT50-FMH31.75-300	73	70	300	31.75	21	12.7	6.8	8.88
BT50-FMH31.75-350	73	70	350	31.75	21	12.7	6.8	10.03
BT50-FMH31.75-400	73	70	400	31.75	21	12.7	6.8	11.18
BT50-FMH31.75-450	73	70	450	31.75	21	12.7	6.8	12.33
BT50-FMH31.75-500	73	70	500	31.75	21	12.7	6.8	13.48
BT50-FMH31.75-600	73	70	600	31.75	21	12.7	6.8	15.78
BT50-FMH31.75-B-500	84	80	500	31.75	21	12.7	6.8	14.99
BT50-FMH31.75-B-600	84	80	600	31.75	21	12.7	6.8	17.74

* 訂購時請註明BT系列或HBT系列。 Please indicate BT or HBT series on the order.

SLTC減震直柄車刀桿+快換式KT車刀頭

SLTC DAMPED TURNING HOLDER SERIES WITH QUICK CHANGE TURNING HEAD

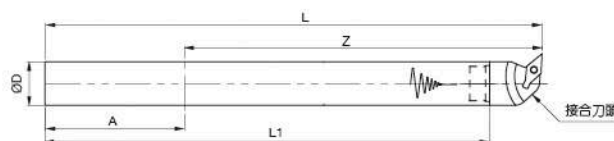
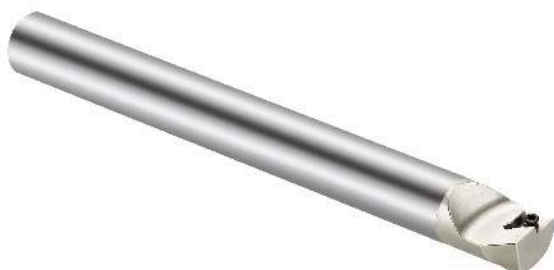
專利產品 Patent Products

中國 ZL 2015 2 0282217.6

China ZL 2015 2 0282261.7

台灣 Patent No. M 538855

Taiwan Patent No. M 510806



MODEL NO.	L1	Z	L	A	Z/D	ØD	接合車刀頭	Weight
SLTC32-260	260	200	290	90	6D	32	KT32	1.93
SLTC32-320	320	260	350	90	8D	32	KT32	2.28
SLTC32-380	380	320	410	90	10D	32	KT32	2.63
SLTC40-320	320	250	360	110	6D	40	KT40	2.87
SLTC40-360	360	290	400	110	7D	40	KT40	3.57
SLTC40-440	440	370	480	110	9D	40	KT40	4.27
SLTC40-520	520	450	560	110	11D	40	KT40	4.97
SLTC50-420	420	310	460	150	6D	50	KT50	7.10
SLTC50-520	520	410	560	150	8D	50	KT50	8.39
SLTC50-620	620	510	660	150	10D	50	KT50	9.68
SLTC50-720	720	610	760	150	12D	50	KT50	10.97
SLTC60-460	460	350	500	150	6D	60	KT50	9.82
SLTC60-580	580	470	620	150	8D	60	KT50	11.53
SLTC60-700	700	590	740	150	10D	60	KT50	13.24
SLTC60-820	820	710	860	150	12D	60	KT50	15.01
SLTC60-940	940	830	980	150	14D	60	KT50	16.66

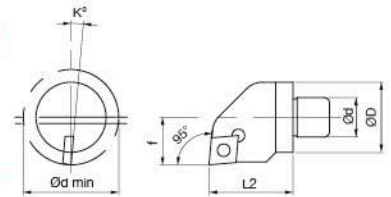
※規格不含快換式KT車刀頭。

KT32, KT40, KT50車刀頭系列-1 KT32, KT40, KT50 TURNING HEAD SERIES 1

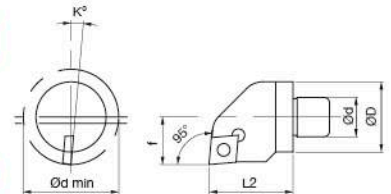
※另有特殊車刀頭提供訂製

**SCLC → CC09刀片**

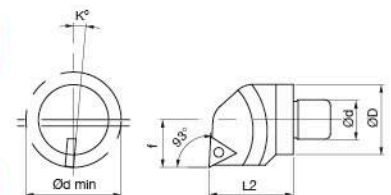
MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SCLCR-09	35	32	20	18	5	40	CC..09T3	M4	T15
KT40-SCLCR-09	40	40	26	22	3	52			
KT50-SCLCR-09	40	50	32	28	3	64			

**SCLP → CP09刀片**

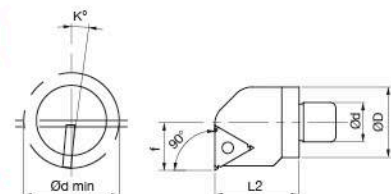
MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SCLPR-09	35	32	20	18	0	40	CC..0903	M4	T15
KT40-SCLPR-09	40	40	26	22	0	52			
KT50-SCLPR-09	40	50	32	28	0	64			

**STUC → TC16刀片**

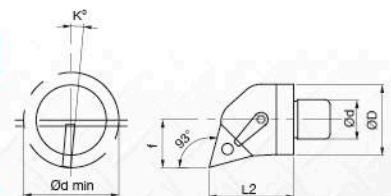
MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-STUCR-16	35	32	19.5	18	5	39	TC..16T3	M4	T15
KT40-STUCR-16	40	40	25.5	22	5	51			
KT50-STUCR-16	40	50	30.4	28	5	61			

**SNR → 牙刀**

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SNR-16	35	32	20	18	0	40	16NR/L	M3.5	T15
KT40-SNR-16	40	40	26	22	0	52			
KT50-SNR-16	40	50	32	28	0	64			

**MTUN → TN16刀片**

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert
KT32-MTUNR-16	35	32	20	18	0	40	16NR/L
KT40-MTUNR-16	40	40	26	22	0	52	
KT50-MTUNR-16	40	50	32	28	0	64	



MODEL NO.	中心銷 Pin	銷扳手 Wrench	壓板 Clamp	壓板螺絲 Screw	壓板扳手 Wrench
KT32-MTUNR-16	FC1-M514	FE1-20	FA1-02	FC2-M625	FEI-30
KT40-MTUNR-16					
KT50-MTUNR-16					

BT Series

SK Series

HSK-A Series

HSK-E Series

NT Series

HBT Series

NBT Series

雕刻機刀桿
ISO-BT15-B720

直柄/斜柄

配件
Accessories減震刀桿
Damped tool series

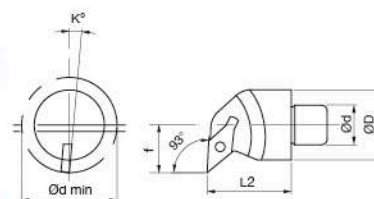
KT32, KT40, KT50車刀頭系列-2 KT32, KT40, KT50 TURNING HEAD SERIES 2

※另有特殊車刀頭提供訂製



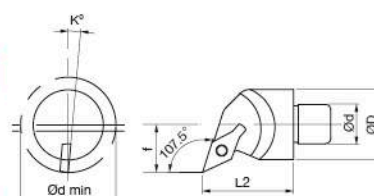
SDUC → DC11刀片

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SDUCR-11	35	32	20	18	6	40	DC..11T3	M3.5	T15
KT40-SDUCR-11	40	40	26	22	6	52			
KT50-SDUCR-11	40	50	32	28	6	64			



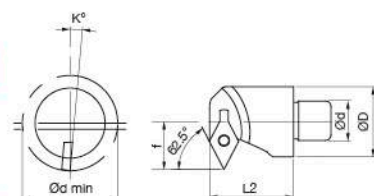
SDQC → DC11刀片

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SDQCR-11	35	32	20	18	6	40	DC..11T3	M3.5	T15
KT40-SDQCR-11	40	40	26	22	6	52			
KT50-SDQCR-11	40	50	32	28	6	64			



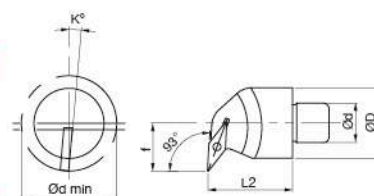
SDNC → DC11刀片

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SDNCR-11	35	32	20	18	5	40	DC..11T3	M3.5	T15
KT40-SDNCR-11	40	40	26	22	5	52			
KT50-SDNCR-11	40	50	32	28	5	64			



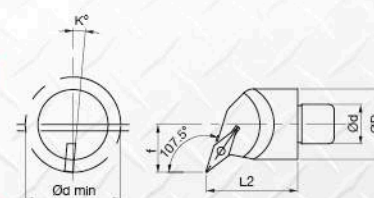
SVUC → VC16刀片

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SVUCR-16	35	32	20	18	5	40	VC..1604	M3.5	T15
KT40-SVUCR-16	40	40	26	22	5	52			
KT50-SVUCR-16	40	50	32	28	5	64			



SVQC → VC16刀片

MODEL NO.	L2 mm	ØD mm	f	Ød	K°	Ød min	Insert	Screw	Wrench
KT32-SVQCR-16	35	32	20	18	5	40	VC..1604	M3.5	T15
KT40-SVQCR-16	40	40	26	22	5	52			
KT50-SVQCR-16	40	50	32	28	5	64			



ISO (歐規)	Ød	□	DIN371 (德規)	Ød	□	JIS(日規) 公制	Ød	□	JIS(日規) 英制	Ød	□
M2	2.5	2.0	M3	3.5	2.7	M2	3.0	2.5	W1/8	4.0	3.2
M2.2 M2.5	2.8	2.24	M3.5	4.0	3.0	M3	4.0	3.2	W5/32	5.0	4.0
M3	3.15	2.5	M4	4.5	3.4	M3.5	4.0	3.2	W3/16	5.5	4.5
M3.5	3.55	2.8	M5 M6	6.0	4.9	M4	5.0	4.0	W1/4	6.0	4.5
M4	4.0	3.15	M8	8.0	6.2	M4.5	5.0	4.0	W5/16	6.1	5.0
M4.5	4.5	3.55	M10	10.0	8.0	M5	5.5	4.5	W3/8	7.0	5.5
M5	5.0	4.0				M5.5	5.5	4.5	W7/16	8.0	6.0
M6	6.3	5.0				M6	6.0	4.5	W1/2	9.0	7.0
M7	7.1	5.6	DIN376 (德規)	Ød	□	M7	6.2	5.0	W9/16	10.5	8.0
M8 M11	8.0	6.3	M3.5	2.5	2.1	M8	6.2	5.0	W5/8	12.0	9.0
M12	9.0	7.1	M4	2.8	2.1	M9	7.0	5.5	W11/16	13.0	10.0
M10	10.0	8.0	M5	3.5	2.7	M10	7.0	5.5	W3/4	14.0	11.0
M14	11.2	9.0	M6	4.5	3.4	M11	8.0	6.0	W13/16	16.0	12.0
M16	12.5	10.0	M8	6.0	4.9	M12	8.5	6.5	W7/8	17.0	13.0
M18 M20	14.0	11.2	M10	7.0	5.5	M13	9.5	7.0	W1	20.0	15.0
M22	16.0	12.5	M12	9.0	7.0	M14	10.5	8.0	W1 1/8	22.0	17.0
M24	18.0	14.0	M14	11.0	9.0	M15	10.5	8.0	W1 1/4	24.0	19.0
M27 M30	20.0	16.0	M16	12.0	9.0	M16	12.5	10.0	W1 3/8	26.0	21.0
M33	22.4	18.0	M18	14.0	11.0	M17	13.0	10.0	W1 1/2	30.0	23.0
M36	25.0	20.0	M20	16.0	12.0	M18	14.0	11.0	W1 5/8	32.0	26.0
M39 M42	28.0	22.4	M22 M24	18.0	14.5	M20	15.0	12.0	W1 3/4	35.0	26.0
M45 M48	31.5	25.0	M27	20.0	16.0	M22	17.0	13.0	W1 7/8	38.0	29.0
M52 M56	35.5	28.0	M30	22.0	18.0	M24 M25	19.0	15.0	W2	40.0	32.0
M60 M64	40.0	31.5	M33	25.0	20.0	M26 M27	20.0	15.0	W2 1/4	45.0	35.0
U 5/32	4.0	3.15	M36	28.0	22.0	M28	21.0	17.0	W2 1/2	48.0	38.0
U 3/16	5.0	4.0	M39 M42	32.0	24.0	M30	23.0	17.0	JIS(日規)管牙 PT(PS, PT)	Ød	□
U 1/4	6.3	5.0	M45 M48	36.0	29.0	M32	24.0	19.0	PT1/8, PT1/16	8.0	6.0
U 5/16	8.0	6.3	M56 M60	45.0	35.0	M33	25.0	19.0	PT1/4	11.0	9.0
U 1/2	9.0	7.1	M64	50.0	39.0	M34 M35	26.0	21.0	PT3/8	14.0	11.0
U 3/8	10.0	8.0	PT1/8	7.0	5.5	M36 M38	28.0	21.0	PT1/2	18.0	14.0
U 9/16	11.2	9.0	PT1/4	11.0	9.0	M39 M40	30.0	23.0	PT5/8	20.0	15.0
U 5/8	12.5	10.0	PT3/8	12.0	9.0	M42	32.0	26.0	PT3/4	23.0	17.0
U 3/4	14.0	11.2	PT5/8	18.0	14.5	M45	35.0	26.0	PT7/8	24.0	19.0
U 7/8	16.0	12.5	PT3/4	20.0	16.0	M48	38.0	29.0	PT1	26.0	21.0
U 1	18.0	14.0	PT1	25.0	20.0	M50	40.0	32.0	PT1 1/8	28.0	21.0
PT1/16	5.6	4.5				M52	42.0	32.0	PT1 1/4	32.0	26.0
PT1/8	8.0	6.3				M55 M56	44.0	35.0	PT1 3/8	35.0	26.0
PT1/4	10.0	8.0				M58 M60	46.0	35.0	PT1 1/2	38.0	29.0
PT3/8	12.5	10.0				M62 M64	48.0	38.0	PT1 5/8	40.0	32.0
PT1/2	16.0	12.5							PT1 3/4	42.0	32.0
PT3/4	20.0	16.0							PT2	46.0	35.0
PT1	25.0	20.0									



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