



FBH

FBH Micro Boring Tools - Characteristics FBH極細微調精鏜刀特別介紹

- 真正微米級超精密鏜頭，可調單位精度為直徑0.002mm。
- 每款鏜頭本體可搭配精鏜刀片座，精鏜刀杆或反鏜刀片座，以滿足不同加工形態。
- 刀片座刀片安裝為3度切入角，在盲孔加工時可有效清角。
- 刀片座與本體採用齒狀貼合大大提高了鏜頭的剛性與加工性能。
- DCK-FBH精密鏜頭均具備內冷卻功能，可有較提高表面粗糙度，延長刀片使用壽命。
- Adjustment precision 0.002 mm on diameter.
- One boring body with insert holder or boring bar can be for boring and back boring.
- Standard insert holder for inserts with lead angle 3°, for a better working performance during blind hole boring.
- The extensive area serrated with connection between insert holder and tool body provides higher tool rigidity and working performance.
- All DCK-FBH fine boring tools are with internal cooling design, which increases the surface finish and inserts tool life.

FBH Back Boring Instructions FBH極細微調精鏜刀反鏜說明

反鏜加工需滿足條件：

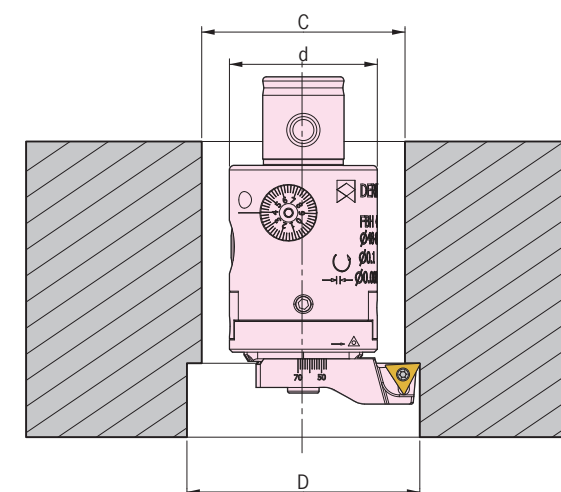
$$C > (D+d) / 2$$

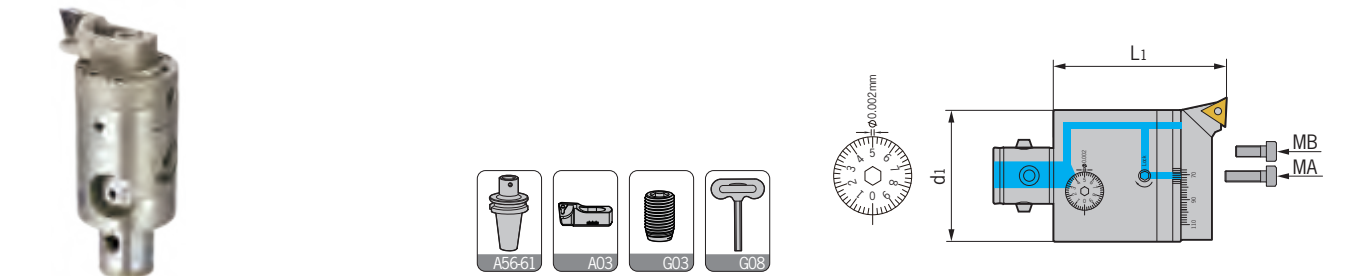
D: 反鏜加工孔直徑 d: 鏜頭本體直徑 C: 最小過孔直徑

In order to check the feasibility of the back boring operation and to select the best possible tool combination, these values can be calculated as follows:

$$C > (D+d) / 2$$

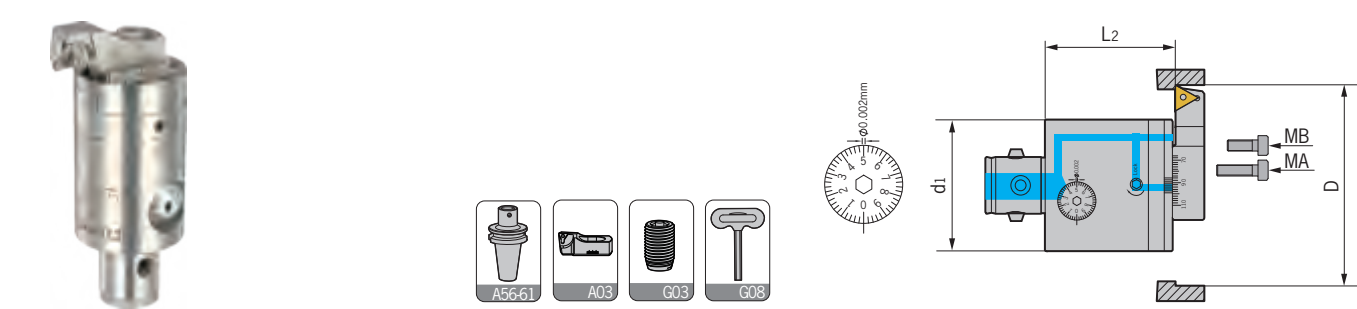
C: Minimum entry bore diameter
D: Back bore diameter
d: Diameter of tool body





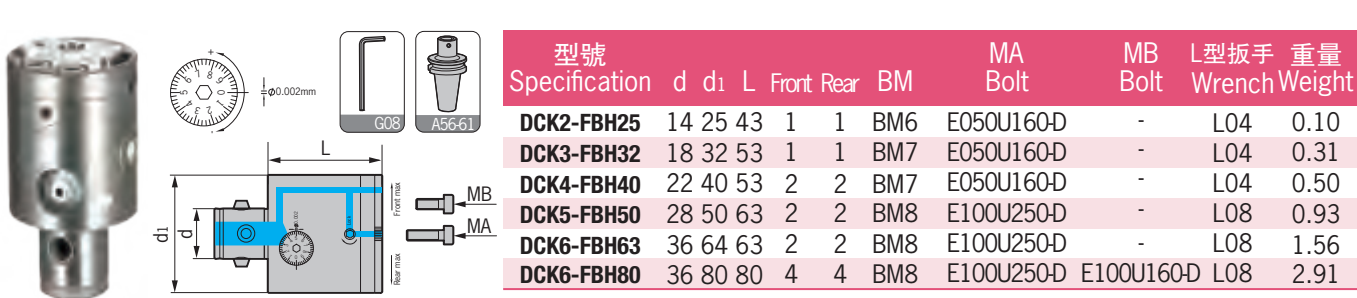
型號 Specification	d1	L1	鏜孔範圍 Boring range	組合刀柄 Adapter size	精鏜刀座 Insert holder	微調鎖緊螺釘 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-M	25	55	29-38	DCK2	MLTP2938	M040U050-D	T02	0.15
DCK3-FBH32-M	32	65	36-52	DCK3	MLTP3652	M040U060-D	T02	0.33
DCK4-FBH40-M	40	65	48-68	DCK4	MLTP4868	M050U080-D	T025	0.53
DCK5-FBH50-BM	50	82	57-80	DCK5	MLTP5780	M060U080-D	T03	1.02
DCK6-FBH63-BMA	64	82	70-110	DCK6	MLTP70110	M060U120-D	T03	1.70
DCK6-FBH80-BMB	80	101	110-150	DCK6	MLTP110150	M060U200-D	T03	3.50

FBH Micro Back-boring Tool
FBH極細微調精鏜反鏜刀

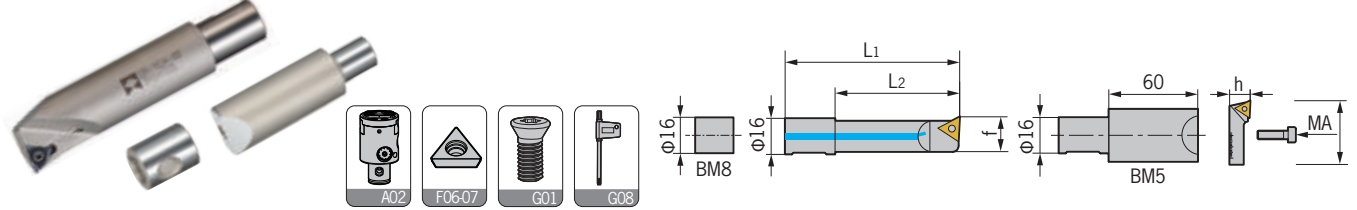


型號 Specification	d1	L2	鏜孔範圍 Boring range	組合刀柄 Adapter size	精鏜刀座 Insert holder	微調鎖緊螺釘 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-MK	25	44	29-38	DCK2	MRTP2938	M040U050-D	T02	0.13
DCK3-FBH32-MK	32	53.5	36-52	DCK3	MRTP3652	M040U060-D	T02	0.30
DCK4-FBH40-MK	40	53.5	48-68	DCK4	MRTP4868	M050U080-D	T025	0.50
DCK5-FBH50-BMK	50	63	57-80	DCK5	MRTP5780	M060U080-D	T03	1.00
DCK6-FBH63-BMKA	64	63	70-110	DCK6	MRTP70110	M060U120-D	T03	1.50
DCK6-FBH80-BMKB	80	81	110-150	DCK6	MRTP110150	M060U200-D	T03	3.30

FBH Micro-boring Body
FBH極細微調精鏜刀-精鏜刀本體



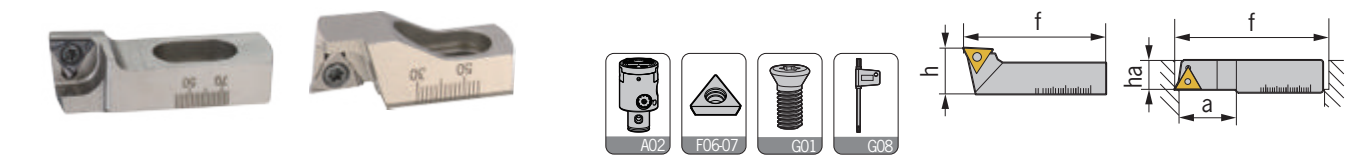
型號 Specification	d	d1	L	Front	Rear	BM	MA Bolt	MB Bolt	L型扳手 Wrench	重量 Weight
DCK2-FBH25	14	25	43	1	1	BM6	E050U160-D	-	L04	0.10
DCK3-FBH32	18	32	53	1	1	BM7	E050U160-D	-	L04	0.31
DCK4-FBH40	22	40	53	2	2	BM7	E050U160-D	-	L04	0.50
DCK5-FBH50	28	50	63	2	2	BM8	E100U250-D	-	L08	0.93
DCK6-FBH63	36	64	63	2	2	BM8	E100U250-D	-	L08	1.56
DCK6-FBH80	36	80	80	4	4	BM8	E100U250-D	E100U160-D	L08	2.91



型號 Specification	L1	L2	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DR 1606-21	65	21	6-9		WBGTO601..L	M020W040	Q06	0.04
1608-28	63	28	8-11		TBGT0601..L	M020W040	Q06	0.04
1610-35	63	35	10-13	DCK5-FBH50	TBGT0601..L	M020W040	Q06	0.05
1612-42	73	42	12-15	DCK6-FBH63	TPGH0902..L	M025W060	Q08	0.06
1614-50	78.5	50	14-17	DCK6-FBH80	TPGH0902..L	M025W060	Q08	0.08
1616-60	88	60	16-20		TPGH0902..L	M025W060	Q08	0.11
1620-65	92	65	20-24		TPGH1103..L	M030W070	Q08	0.16
1624-68	95	68	24-28		TPGH1103..L	M030W070	Q08	0.20
BM5	60+MLTP2938 or MLTP3652 or MLTP4868					E050U160	-	0.25
BM8	+MLTP5780 or MLTP70110 or MLTP110150					E100U250	-	0.04

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

Insert Holder For FBH Boring Tool
FBH精鏜刀片座



型號 Specification	h	f	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
MLTP 2938	11	27	29-38	DCK2-FBH25	TPGH0902..L	M025W050	Q08	0.01
3652	13	35	36-52	DCK3-FBH32	TPGH0902..L	M025W060	Q08	0.02
4868	13	43	48-68	DCK4-FBH40	TPGH0902..L	M025W060	Q08	0.03
5780	20	54	57-80	DCK5-FBH50	TPGH1103..L	M030W070	Q08	0.09
70110	20	66	70-110	DCK6-FBH63	TPGH1103..L	M030W070	Q08	0.14
110150	20	106	110-150	DCK6-FBH80	TPGH1103..L	M030W070	Q08	0.25

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

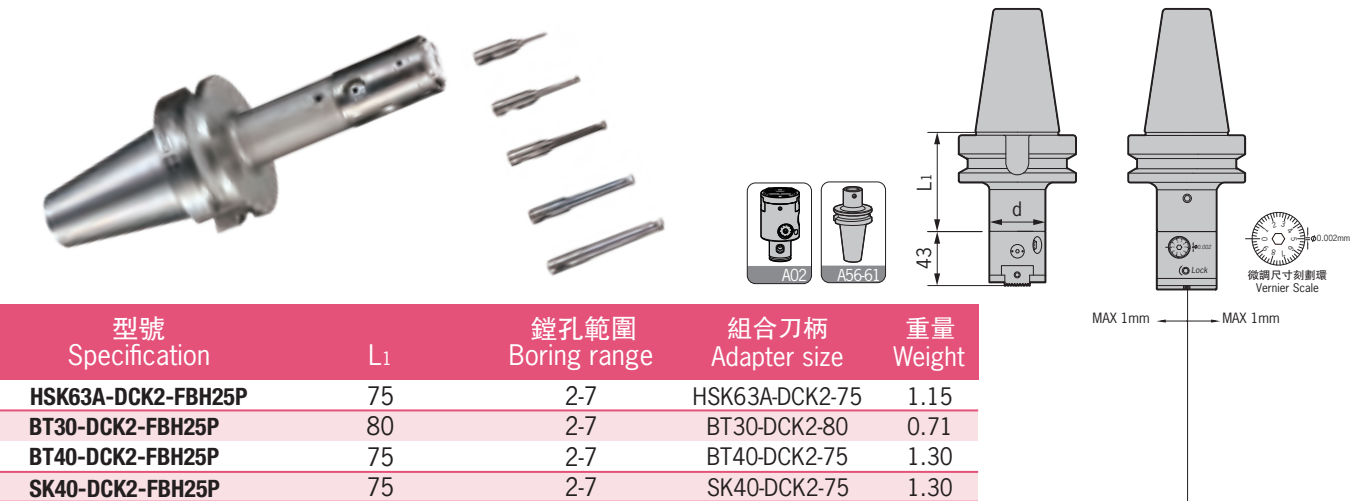
Inserts Holder For FBH Back-boring Tool
FBH精鏜反鏜刀片座

型號 Specification	a	ha	f	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
MRTP 2938	6	11	27	29-38	DCK2-FBH25	TPGH0902..R	M025W050	Q08	0.01
3652	10	11	35	36-52	DCK3-FBH32	TPGH0902..R	M025W060	Q08	0.02
4868	12	11	43	48-68	DCK4-FBH40	TPGH0902..R	M025W060	Q08	0.03
5780	14	15	54	57-80	DCK5-FBH50	TPGH1103..R	M030W070	Q08	0.08
70110	16	15	66	70-110	DCK6-FBH63	TPGH1103..R	M030W070	Q08	0.12
110150	25	15	106	110-150	DCK6-FBH80	TPGH1103..R	M030W070	Q08	0.19

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

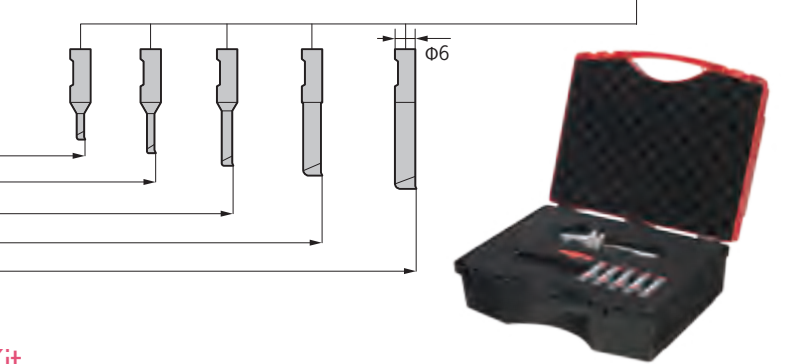
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DCK2-FBH25P Micro-finishing Boring Kit DCK2-FBH25P極細微調精鑽孔系統

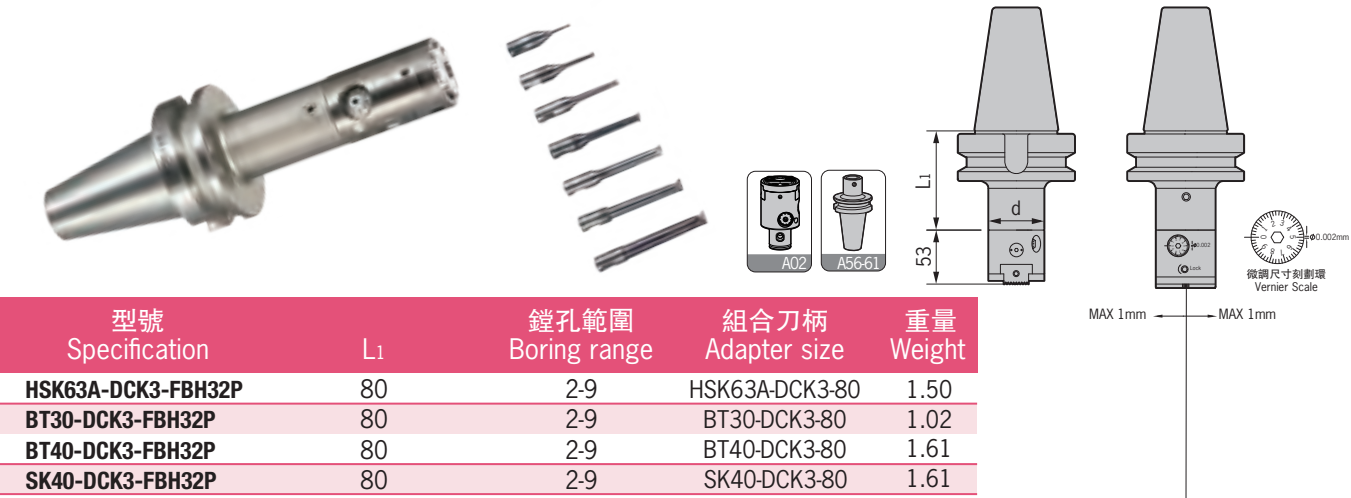


型號 Specification	L1	鑽孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK2-FBH25P	75	2-7	HSK63A-DCK2-75	1.15
BT30-DCK2-FBH25P	80	2-7	BT30-DCK2-80	0.71
BT40-DCK2-FBH25P	75	2-7	BT40-DCK2-75	1.30
SK40-DCK2-FBH25P	75	2-7	SK40-DCK2-75	1.30

精鑽孔刀桿 Boring bar	鑽孔範圍 Boring range	深度 DM	重量 Weight
CA 0602-9	2-3.2	9	0.01
0603-16	3-4.2	16	0.01
0604-22	4-5.2	22	0.02
0605-28	5-6.2	28	0.02
0606-32	6-7.2	32	0.02

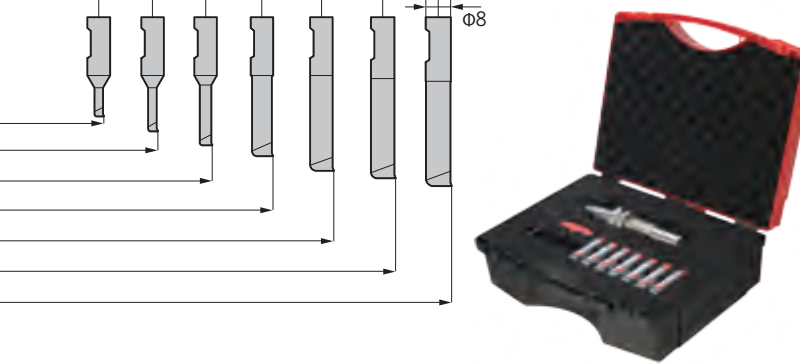


DCK3-FBH32P Micro-finishing Boring Kit DCK3-FBH32P極細微調精鑽孔系統



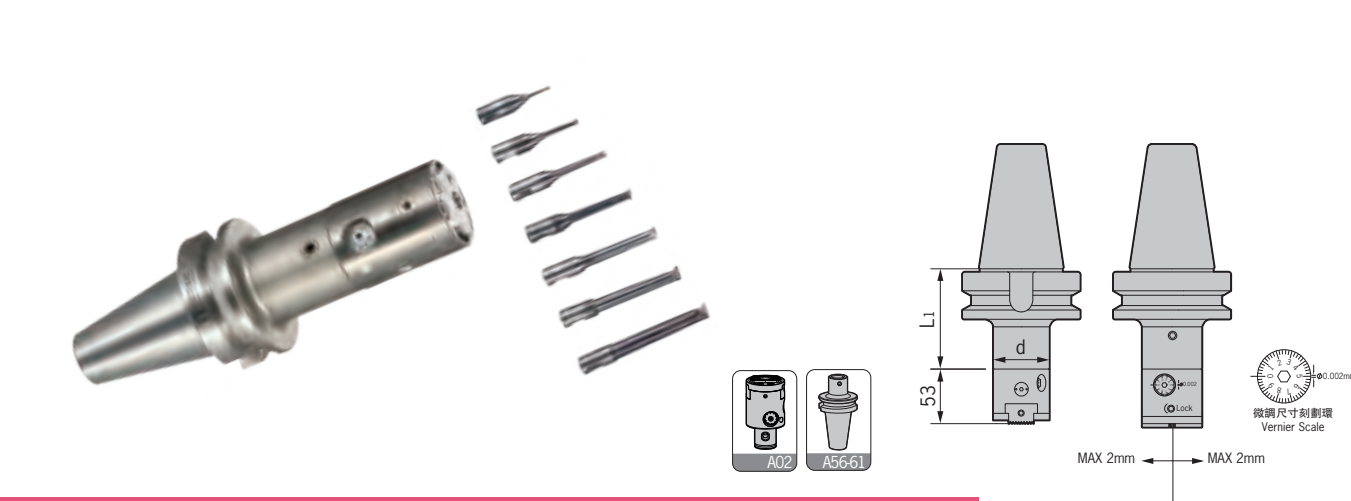
型號 Specification	L1	鑽孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK3-FBH32P	80	2-9	HSK63A-DCK3-80	1.50
BT30-DCK3-FBH32P	80	2-9	BT30-DCK3-80	1.02
BT40-DCK3-FBH32P	80	2-9	BT40-DCK3-80	1.61
SK40-DCK3-FBH32P	80	2-9	SK40-DCK3-80	1.61

精鑽孔刀桿 Boring bar	鑽孔範圍 Boring range	深度 DM	重量 Weight
CA 0802-9	2-3.2	9	0.03
0803-16	3-4.2	16	0.03
0804-22	4-5.2	22	0.03
0805-28	5-6.2	28	0.04
0806-32	6-7.2	32	0.04
0807-36	7-8.2	36	0.04
0808-42	8-9.2	42	0.05



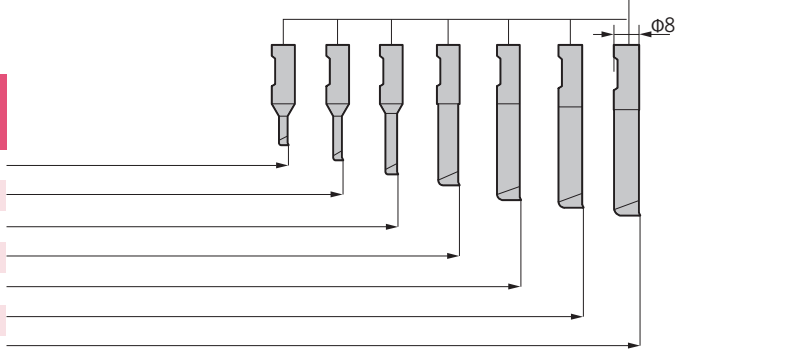
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DCK4-FBH40P Micro-finishing Boring Kit DCK4-FBH40P極細微調精鑽孔系統

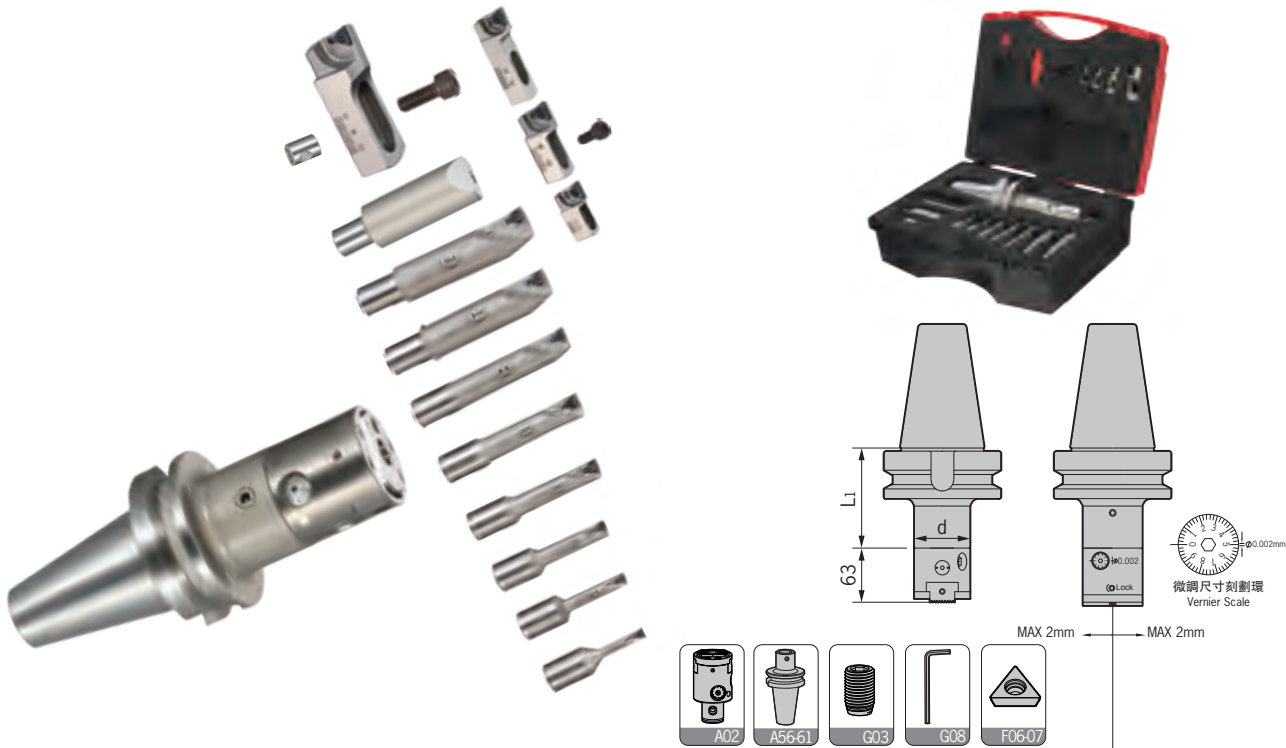


型號 Specification	L1	鑽孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK4-FBH40P	70	2-9	HSK63A-DCK4-70	2.50
BT30-DCK4-FBH40P	70	2-9	BT30-DCK4-70	1.21
BT40-DCK4-FBH40P	70	2-9	BT40-DCK4-70	1.61
SK40-DCK4-FBH40P	70	2-9	SK40-DCK4-70	1.61

精鑽孔刀桿 Boring bar	鑽孔範圍 Boring range	深度 DM	重量 Weight
CA 0802-9	2-3.2	9	0.03
0803-16	3-4.2	16	0.03
0804-22	4-5.2	22	0.03
0805-28	5-6.2	28	0.04
0806-32	6-7.2	32	0.04
0807-36	7-8.2	36	0.04
0808-42	8-9.2	42	0.05



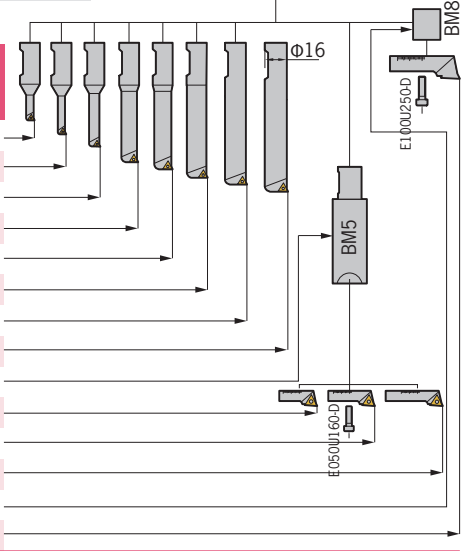
DCK5-FBH50P Micro-finishing Boring Kit
DCK5-FBH50P極細微調精鏜孔系統



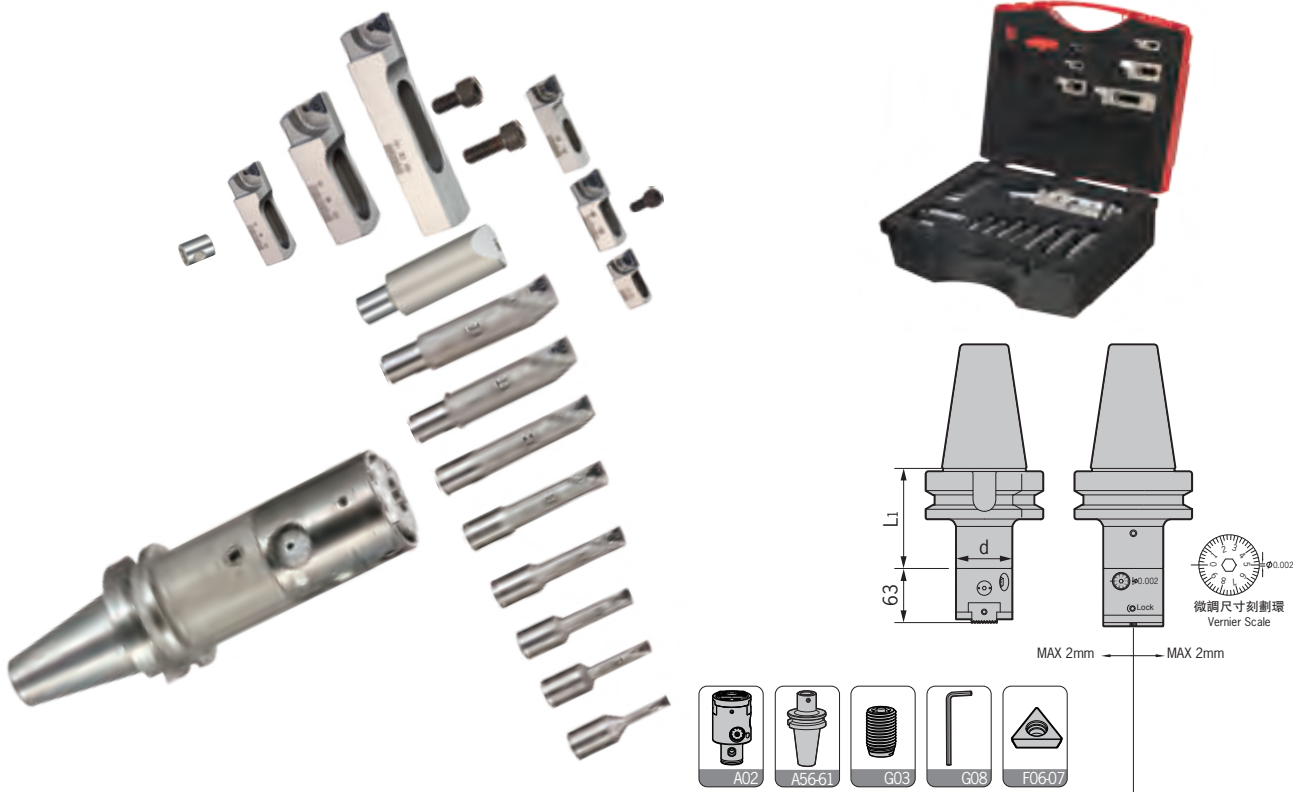
型號 Specification	鏜孔範圍 L1 Boring range	組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking screw	L型扳手 Wrench	重量 Weight	
HSK63A-DCK5-FBH50P	80	6-80	HSK63A-DCK5-80	M100U160-90-D	L05	4.02
BT30-DCK5-FBH50P	70	6-80	BT30-DCK5-70	M100U160-90-D	L05	2.90
BT40-DCK5-FBH50P	80	6-80	BT40-DCK5-80	M100U160-90-D	L05	3.54
BT50-DCK5-FBH50P	90	6-80	BT50-DCK5-90	M100U160-90-D	L05	6.32
SK40-DCK5-FBH50P	80	6-80	SK40-DCK5-80	M100U160-90-D	L05	3.54
SK50-DCK5-FBH50P	90	6-80	SK50-DCK5-90	M100U160-90-D	L05	6.32
注：用戶可選配HSK50A、HSK100A鏜刀柄組合 Notice:Boring adapter HSK50A and HSK100A available on request.						

精鏜孔刀桿 Boring bar	鏜孔範圍 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBGTO601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5	60+MLTP2938 or MLTP3652 or MLTP4868			0.25
MLTP2938	28-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8	+MLTP5780			0.03
MLTP5780	57-80	+20	TPGH1103..L	0.10

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



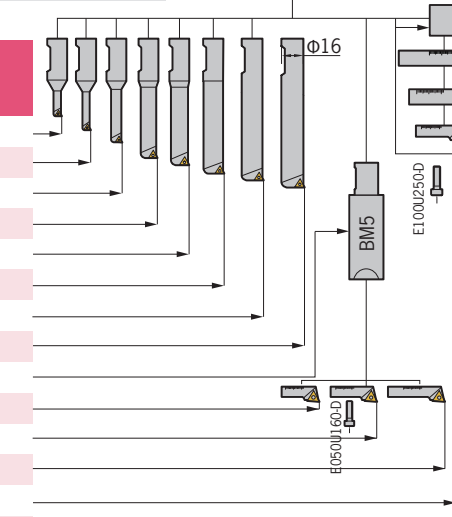
DCK6-FBH63P Micro-finishing Boring Kit
DCK6-FBH63P極細微調精鏜孔系統

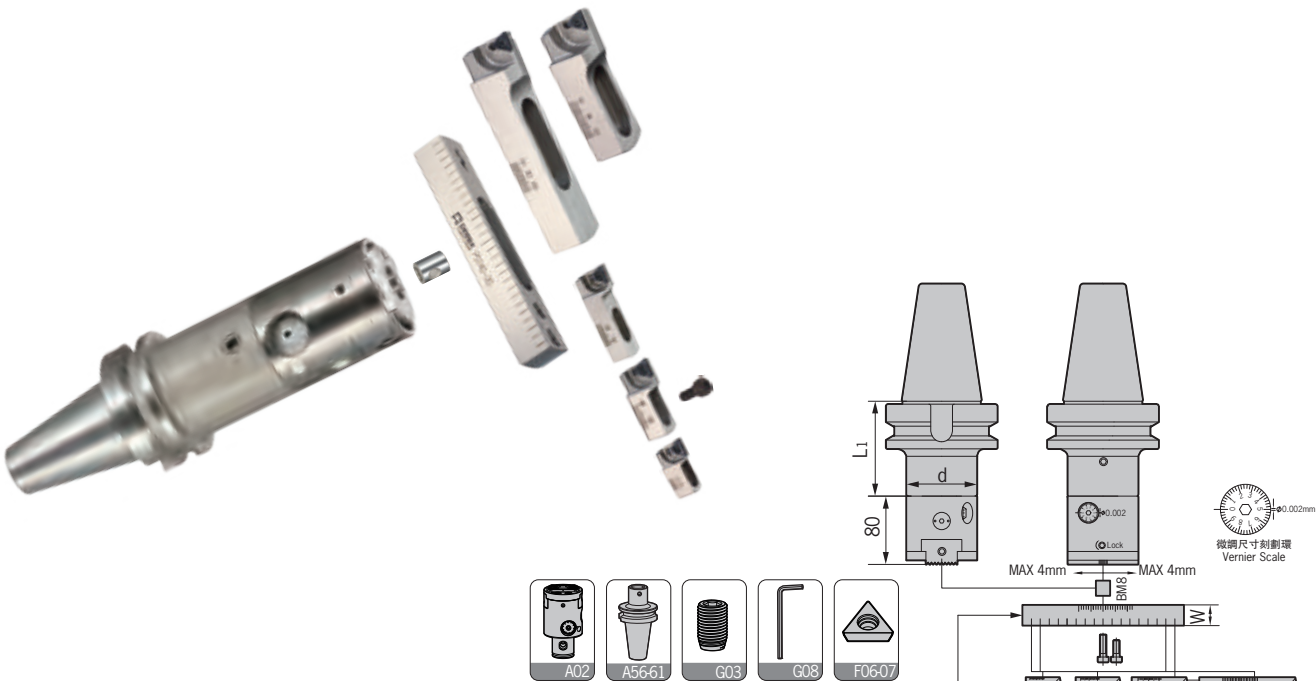


型號 Specification	鏜孔範圍 L ₁ Boring range	組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking Screw	L型扳手 Wrench	重量 Weight	
HSK63A-DCK6-FBH63P	100	6-150	HSK63A-DCK6-100	M100U200-90-D	L05	5.90
BT30-DCK6-FBH63P	60	6-150	BT30-DCK6-60	M100U200-90-D	L05	4.00
BT40-DCK6-FBH63P	55	6-150	BT40-DCK6-55	M100U200-90-D	L05	4.50
BT50-DCK6-FBH63P	85	6-150	BT50-DCK6-85	M100U200-90-D	L05	9.17
SK40-DCK6-FBH63P	90	6-150	SK40-DCK6-90	M100U200-90-D	L05	4.50
SK50-DCK6-FBH63P	85	6-150	SK50-DCK6-85	M100U200-90-D	L05	9.17
注：用戶可選配HSK50A、HSK100A鏜刀柄組合 Notice:Boring adapter HSK50A and HSK100A available on request.						

精鏜孔刀桿 Boring bar	鏜孔範圍 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBGTO601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5	60+MLTP2938 or MLTP3652 or MLTP4868			0.25
MLTP2938	28-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8	+MLTP5780 or MLTP70110 or MLTP110150			0.03
MLTP5780	66-80	+20	TPGH1103..L	0.10
MLTP70110	70-110	+20	TPGH1103..L	0.10
MLTP110150	110-150	+20	TPGH1103..L	0.21

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



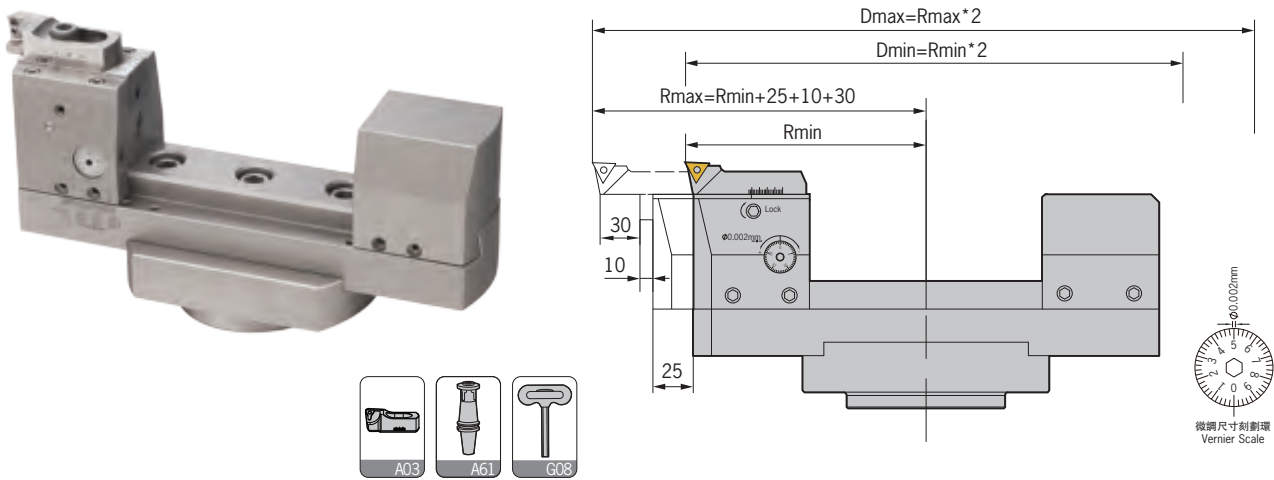


型號 Specification	鏜孔範圍 L1 Boring range	組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking screw	L型扳手 Wrench	重量 Weight
HSK63A-DCK6-FBH80	100 110-150	HSK63A-DCK6-100	M100U250-90-D	L05	7.60
BT30-DCK6-FBH80	60 110-150	BT30-DCK6-60	M100U250-90-D	L05	5.70
BT40-DCK6-FBH80	55 110-150	BT40-DCK6-55	M100U250-90-D	L05	6.20
BT50-DCK6-FBH80	85 110-150	BT50-DCK6-85	M100U250-90-D	L05	10.87
SK40-DCK6-FBH80	90 110-150	SK40-DCK6-90	M100U250-90-D	L05	6.20
SK50-DCK6-FBH80	85 110-150	SK50-DCK6-85	M100U250-90-D	L05	10.87

注：用戶可選配HSK50A、HSK100A鏜刀柄組合
Notice:Boring adapter HSK50A and HSK100A available on request.

型號 Specification	鏜孔範圍 Boring range	H	刀片座鎖緊螺釘 Locking screw	L型扳手 Wrench	重量 Weight
PS140-20	+BM8	20	E100U250-D/E100U160-D	L08	0.43
MLTP2938	150-200	11	E050U160-D	L04	0.01
MLTP3652	160-210	13	E050U160-D	L04	0.02
MLTP4868	170-220	13	E050U160-D	L04	0.03
MLTP70110	140-240	20	E100U250-D	L08	0.10
MLTP110150	180-280	20	E100U250-D	L08	0.21

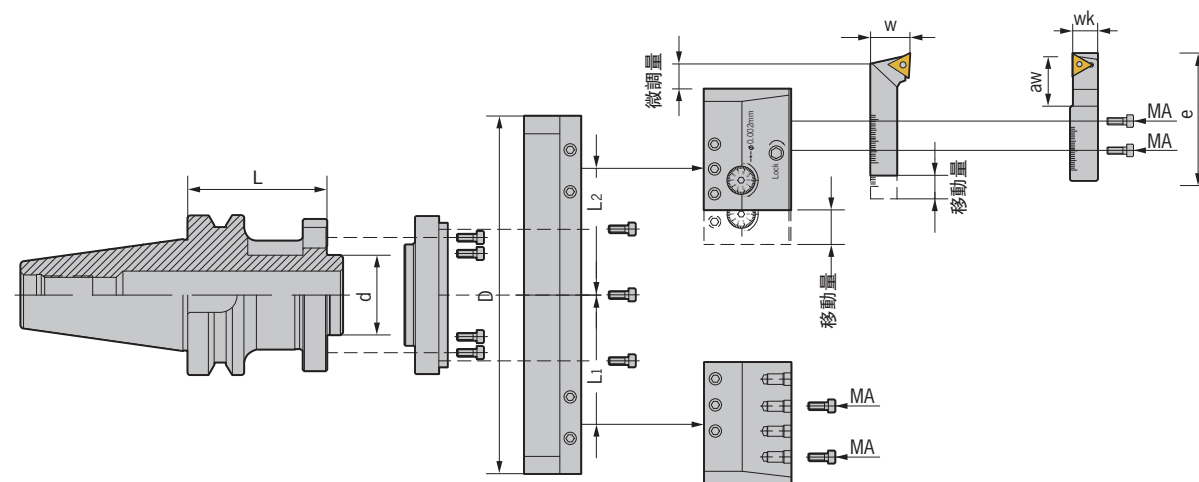
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



型號 Specification	鏜孔範圍 Boring range	大孔徑精鏜系統組合 橫向滑塊 Extention bridge	鏜頭刀柄 Boring adapter	Micro-Finishing boring system 大孔徑精鏜孔刀本體 Boring body	平衡座 Balance weight	精鏜孔刀座 Insert holder	重量 Weight
BST- FBH200-310	200-260	DST200	BST	DSJ200	DSP200	MLTP70110	9.70
	250-310	DST200	BST	DSJ200	DSP200	MLTP110150	9.80
FBH300-410	300-360	DST300	BST	DSJ200	DSP200	MLTP70110	11.70
	350-410	DST300	BST	DSJ200	DSP200	MLTP110150	11.80
FBH400-510	400-460	DST400	BST	DSJ200	DSP200	MLTP70110	13.70
	450-510	DST400	BST	DSJ200	DSP200	MLTP110150	13.80
FBH500-610	500-560	DST500	BST	DSJ200	DSP200	MLTP70110	15.70
	550-610	DST500	BST	DSJ200	DSP200	MLTP110150	15.80
FBH600-710	600-660	DST600	BST	DSJ200	DSP200	MLTP70110	17.70
	650-710	DST600	BST	DSJ200	DSP200	MLTP110150	17.80
FBH700-810	700-760	DST700	BST	DSJ200	DSP200	MLTP70110	19.70
	750-810	DST700	BST	DSJ200	DSP200	MLTP110150	19.80
FBH800-910	800-860	DST800	BST	DSJ200	DSP200	MLTP70110	21.70
	850-910	DST800	BST	DSJ200	DSP200	MLTP110150	21.80

DST

DST Extension Bridge
DST橫向滑塊



型號 Specification	D	L1	L2	重量 Weight
DST-200	180	61	66	3.40
300	280	111	116	5.40
400	380	161	166	7.40
500	480	211	216	9.40

型號 Specification	D	L1	L2	重量 Weight
DST-600	580	261	266	11.40
700	680	311	316	13.40
800	780	361	366	15.40



DSJ Boring Body, DSP Balance Weight
DSJ精鏜刀本體+DSP平衡座

型號 Specification	移動量 Mobile	微調量 Micro mobile	MA Bolt	扳手 Wrench	重量 Weight
DSJ-200	25	10	E100U200-D	L08	3.00
DSP-200	-	-	E100U200-D	L08	3.00



Insert Holder For FBH Boring Tool
FBH精鏜刀片座

型號 Specification	w	e	移動量 Mobile	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
MLTP70110	20	66	15	TPGS1103L	E100U200-D	L08	0.10
MLTP110150	20	106	30	TPGS1103L	E100U200-D	L08	0.21

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



Insert Holder For FBH Back-boring Head
FBH精鏜反鏜刀片座

型號 Specification	aw	wk	e	移動量 Mobile	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
M RTP70110	16	15	66	15	TPGH1103R	E100U200-D	L08	0.10
M RTP110150	25	15	106	30	TPGH1103R	E100U200-D	L08	0.21

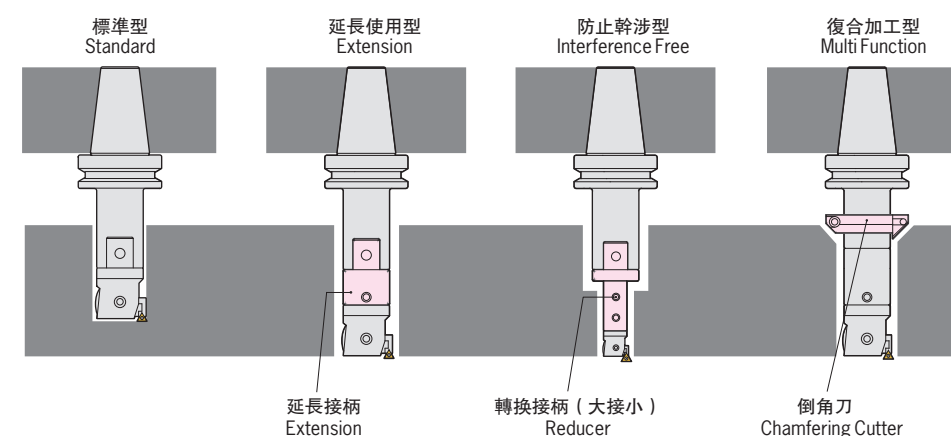
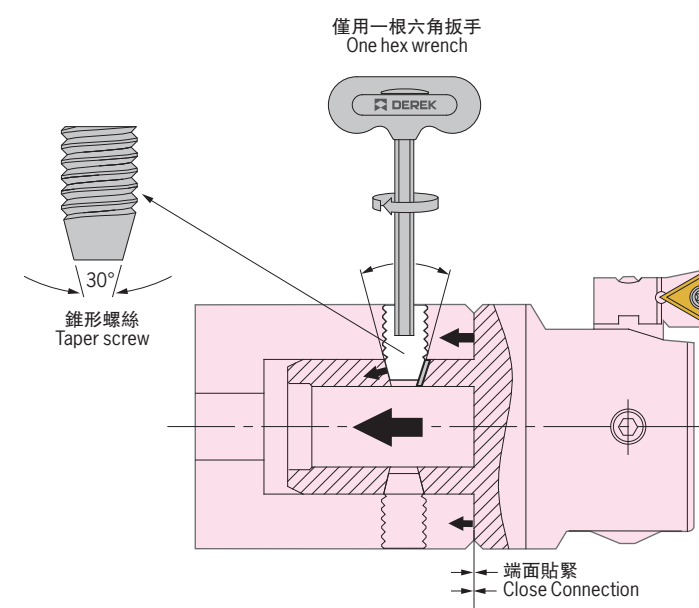
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

CBH

DCK Modular Boring Tools
DCK模塊式鏜刀系列

高精度，強力，操作方便——最理想的連接方式

High Precision, High Strength And Easy Operation--the Best Connection Style

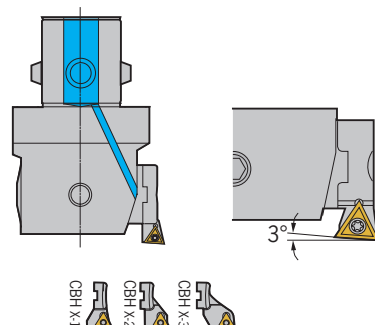


- 依靠30度錐形螺絲，把緊固力轉換成軸向拉力，使鏜刀端面與本體端面貼緊。（如圖A）
- 模塊式設計，可以自由設定加工直徑和有效加工深度，配用。轉換接頭（大接小）減少刀具直徑，既可以確保剛性，又可以防止干涉，再配合倒角器可自由組合成最合適的鏜削刀具。（如圖B）
- 因鏜頭與本體的連接精度非常高所以祇需對鏜頭單獨對刀，可減輕勞動強度，提高工作效率，降低綜合成本。
- Close connection between boring head and arbor is achieved with the taper screws, which provide locking force in axial direction. (Fig A)
- Modular design makes the setting of boring range and depth possible and easy. Reducers, extensions and chamfering rings provide multifunctional work. (Fig B)
- High work efficiency brings down the production cost.

CBH

CBH Micro Boring Tools- Characteristics CBH微調精密鏜頭特別介紹

- 每個鏜頭本體均配有三個不同加工範圍的刀片座，來擴大本體的加工尺寸。
- 刀片座刀片安裝為3度切入角，在盲孔加工時可有效清角。
- 變更刀片座安裝方向即可實現反鏜加工。
- 刀片座與本體採用雙面貼合大大提高了鏜頭的剛性與加工性能。
- DCK-CBH款精密鏜頭均具備內冷功能，可有較提高表面粗糙度，延長刀片使用壽命。（這個說明是指針對所有的DCK精鏜）



- Each boring head with three different sizes insert holders for different boring ranges.
- Standard insert holder for inserts with lead angle 3°, for a better working performance during blind hole boring.
- Insert holder can be mounted in opposite direction to back boring.
- Better connection between insert holder and tool body provides higher tool rigidity and working performance.
- All DCK-CBH fine boring tools are with internal cooling design, which increases the surface finish and inserts tool life.

型號 Specification	形狀圖 Figure	對應鏜頭 Boring head	型號 Specification	形狀圖 Figure	對應鏜頭 Boring head	型號 Specification	形狀圖 Figure	對應鏜頭 Boring head
CBH 1-1			CBH 4-1			CBH 4-1		
1-2		DCK1- CBH20-36	4-2		DCK4- CBH41-74	4-2		DCK4- CBH41-74
1-3			4-3			4-3		
2-1			5-1			5-1		
2-2		DCK2- CBH25-47	5-2		DCK5- CBH53-95	5-2		DCK5- CBH53-95
2-3	對應刀片 TPGH080202		5-3	對應刀片 TCMT110204 (標配 With)		5-3	對應刀片 TCMT110204 (選配)	DCK5- CBH53-95
3-1			6-1		DCK6- CBH68-150	6-1		DCK6- CBH68-150
3-2		DCK3- CBH32-60	6-2	TPGH110304 (選配)	DCK6- CBH68-150	6-2		DCK6- CBH68-150
3-3			6-3	(For choice)	DCK6- CBH100-203	6-3		DCK6- CBH100-203

注意：標準報價含CBHX-1號刀片座一個，CBHX-2和CBHX-3需另外單獨購買。
Notice:Quotation with insert holder CBHX-1 included,while CBHX-2 and CBHX-3 shall be ordered separately.

CBH Boring Instructions CBH微調精密鏜頭說明

反鏜加工需滿足條件：

$$C > (D+d) / 2$$

D: 反鏜加工孔直徑 d: 鏜頭本體直徑 C: 最小過孔直徑

反鏜加工時主軸反轉

In order to check the feasibility of the back boring operation and to select the best possible tool combination, these values can be calculated as follows:

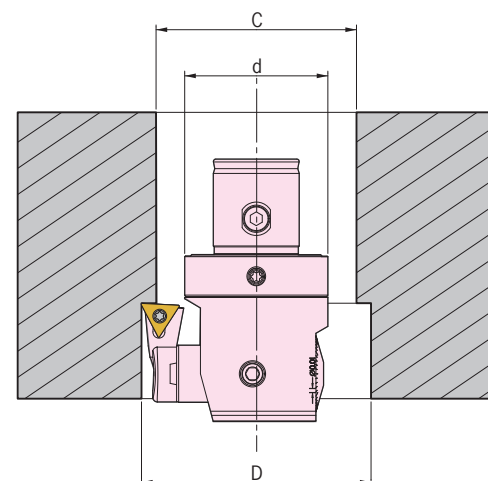
$$C > (D+d) / 2$$

C: Minimum entry bore diameter

D: Back bore diameter

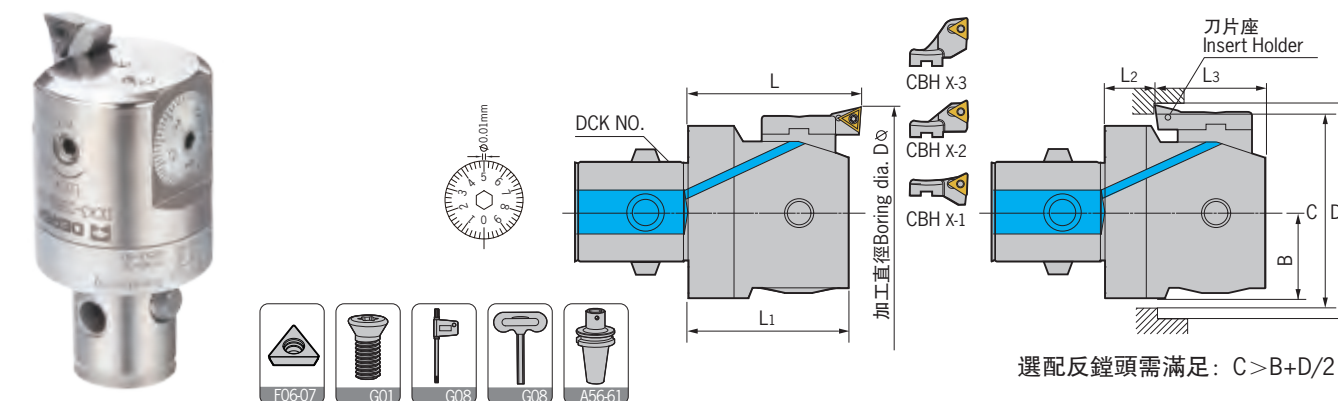
d: Diameter of tool body

Anti-clockwise spindle rotation required.



CBH

CBH Finish Boring Tool CBH微調精密鏜頭



選配反鏜頭需滿足：C > B+D/2

型號 Specification	正鏜 Boring L1 L	範圍 Range	反鏜 Back boring B L2 L3	範圍 Range	刀片座 Insert holder	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
DCK1-CBH20-36	29.5 32.5	20-26	10 10.5 19	-	CBH1-1				0.06
	29.5 32.5	25-31	10 10.5 19	-	CBH1-2				0.06
	29.5 32.5	30-36	10 10.5 19	30-36	CBH1-3				0.06
DCK2-CBH25-47	32.5 35.5	25-33	12.5 11.5 21	36-40	CBH2-1				0.12
	32.5 35.5	32-40	12.5 11.5 21	36-40	CBH2-2	TPGH 080202	M020W050	Q06	0.12
	32.5 35.5	39-47	12.5 11.5 21	39-47	CBH2-3				0.12
DCK3-CBH32-60	35 40	32-42	16 10 25	-	CBH3-1				0.20
	35 40	41-51	16 10 25	46-51	CBH3-2				0.20
	35 40	50-60	16 10 25	50-60	CBH3-3				0.20
DCK4-CBH41-74	43 47	41-54	20 14 29	-	CBH4-1				0.39
	43 47	50-63	20 14 29	53-63	CBH4-2				0.39
	43 47	61-74	20 14 29	61-74	CBH4-3				0.39
DCK5-CBH53-95	53 57	53-70	25.5 19 34	62-70	CBH5-1				0.80
	53 57	65-82	25.5 19 34	65-82	CBH5-2				0.80
	53 57	78-95	25.5 19 34	78-95	CBH5-3				0.80
DCK6-CBH68-150	67.2 71	68-100	32.5 22 45.2	80-100	CBH6-1	TCMT 110204 (標配 With)	M025W060	Q08	1.75
	67.2 71	94-126	32.5 22 45.2	94-126	CBH6-2	TPGH 110304 (選配)	M030W070		1.75
	67.2 71	118-150	32.5 22 45.2	118-150	CBH6-3				1.75
DCK6-CBH100-203	67.2 71	100-153	45.5 22 45.2	112-153	CBH6-1	(For choice)			2.47
	67.2 71	126-179	45.5 22 45.2	126-179	CBH6-2				2.47
	67.2 71	150-203	45.5 22 45.2	150-203	CBH6-3				2.47
DCK7-CBH100-203	67.2 71	100-153	45.5 22 45.2	112-153	CBH6-1				2.78
	67.2 71	126-179	45.5 22 45.2	126-179	CBH6-2				2.78
	67.2 71	150-203	45.5 22 45.2	150-203	CBH6-3				2.78

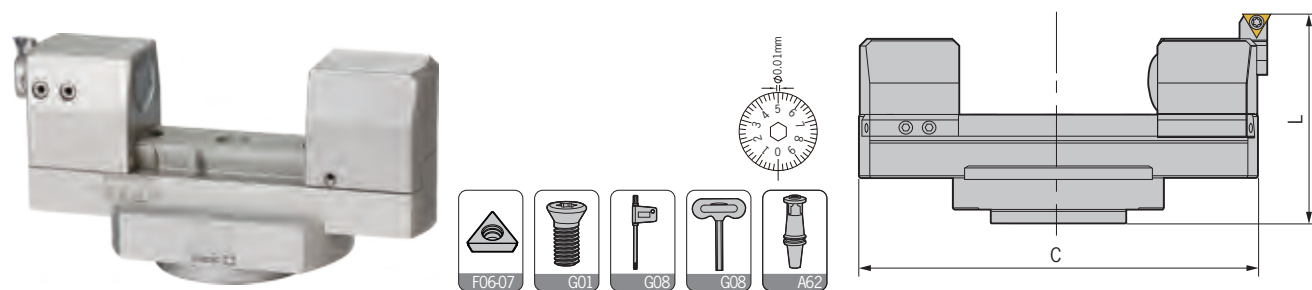
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

特點 / Feature

- 中心內冷。
- 設動平衡結構，能達可靠加工精度。
- 標準相對反鏜加工，加大附加值。
- With internal cooling supply.
- With balanced structure high machining precision accuracy promised.
- High cost effectiveness with back-boring function .

CBH

CBH Large Diameter Boring Tool For Finishing
CBH大徑微調精密鏜頭



鏜孔範圍Φ200-Φ929mm組合系列 Boring Range: Φ200-Φ929mm

型號 Specification	C	L	鏜孔範圍 Boring range	組合刀柄 Adapter size	反鏜範圍 B-Boring range	反鏜深度 Work depth	刀片座 Insert holder	刀片型號 Insert	刀片螺釘 Insert screw	扳手 Wrench	重量 Weight
BST-CBH200329	180	130	200-305	BST	0-25	53	CBH6-1				11.85
	180	130	224-329	BST	-	53	CBH6-2				11.85
BST-CBH300429	280	130	300-405	BST	25-125	53	CBH6-1				13.86
	280	130	324-429	BST	25-100	53	CBH6-2				13.86
BST-CBH400529	380	130	400-505	BST	125-225	53	CBH6-1				15.87
	380	130	424-529	BST	100-200	53	CBH6-2	TCMT110204 (標配 With)	M025W060 L04		15.87
BST-CBH500629	480	130	500-605	BST	225-325	53	CBH6-1	TPGH110304 (選配)	M030W070 L05		17.88
	480	130	524-629	BST	200-300	53	CBH6-2	(Optional)	M030W070 Q08		17.88
BST-CBH600729	580	130	600-705	BST	325-425	53	CBH6-1				19.89
	580	130	624-729	BST	300-400	53	CBH6-2				19.89
BST-CBH700829	680	130	700-805	BST	425-525	53	CBH6-1				21.91
	680	130	724-829	BST	400-500	53	CBH6-2				21.91
BST-CBH800929	780	130	800-905	BST	525-625	53	CBH6-1				23.94
	780	130	824-929	BST	500-600	53	CBH6-2				23.94

滑塊緊固螺釘: M080U100-D 微調鎖緊螺釘: M080U160-D T型扳手: T04 B-Boring Range: Back Boring Range

特點 / Feature

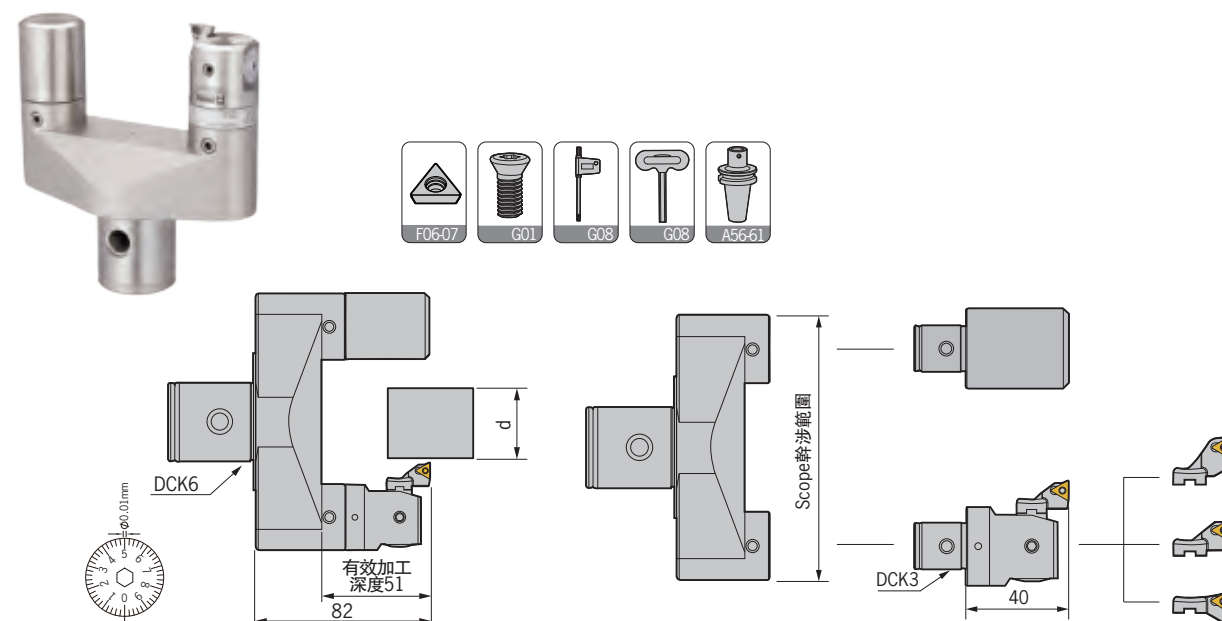
- 鏜孔範圍加大。 ■Wider boring range.
- 刀片座加工工藝提升後，調節穩定性加強。 ■Better stability of adjustment after improvement on insert holder.

產品/配件 Item	型號 Specification	圖示 Picture	重量 Weight
組合刀柄 Adapter size	HSK-BST		-
	BT-BST		-
	SK-BST		-
連接盤 Flange	BST-FL200		2.61
橫向滑板 Extension bridge 可選用鋁質	DST200		3.40/1.20(鋁材Al.)
	DST300		5.40/1.85(鋁材Al.)
	DST400		7.40/2.50(鋁材Al.)
	DST500		9.40/3.15(鋁材Al.)
	DST600		11.40/3.80(鋁材Al.)
	DST700		13.40/4.45(鋁材Al.)
	DST800		15.40/5.10(鋁材Al.)
平衡滑塊 Balance weight	DBN300		1.96
微調滑塊 Finish head	CB200		1.96

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

CBH-M

CBH-M Boring Tool For Pin Turning
CBH-M微調精密外徑鏜頭



型號 Specification	鏜外徑Φd Range	基礎架 Bridge frame	DCK側固螺釘 Side-lock screw	鏜頭 Boring head	平衡塊 Balance weight	刀片座 Insert holder	刀片 Insert	鏜孔範圍 Boring range	重量 Weight
DCCK6-CBH 24-34-M	24-34	DCK6-2452-42 干涉範圍114	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	134-144	1.60
33-43-M	33-43			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	125-135	1.60
42-52-M	42-52			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	116-126	1.60
52-62-M	52-62	DCK6-5280-42 干涉範圍142	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	162-172	1.80
61-71-M	61-71			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	153-163	1.80
70-80-M	70-80			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	144-154	1.80
80-90-M	80-90	DCK6-80108-42 干涉範圍170	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	190-200	2.00
89-99-M	89-99			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	181-191	2.00
98-108-M	98-108			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	172-182	2.00

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

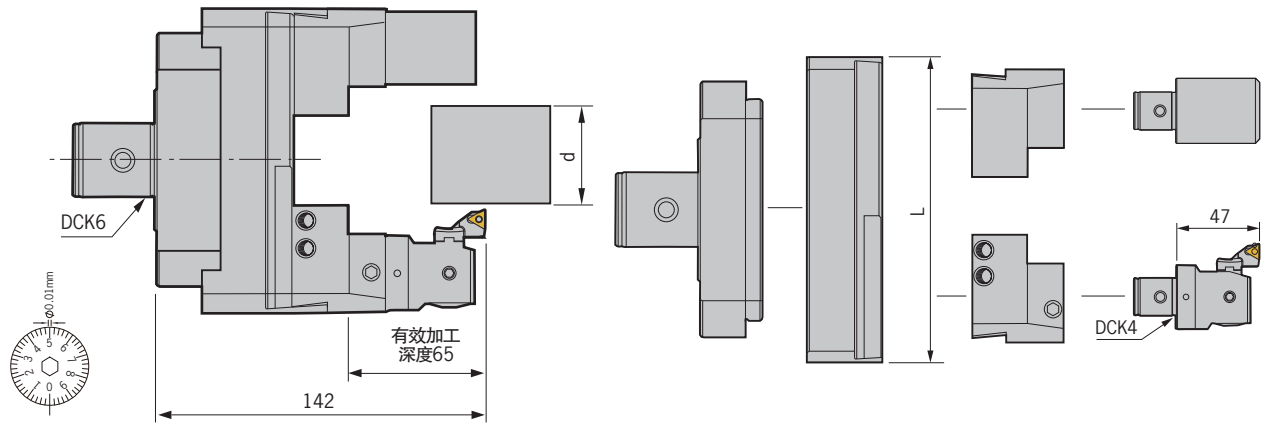
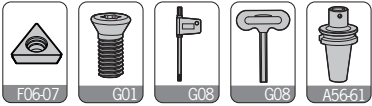
注意: 1.CBH鏜頭上附帶1祇刀片座, 但不附帶刀片, 請另外訂購。 2.加工時, 主軸應反轉。
Notice:1. Boring head with one insert holder, without insert, please order it separately. 2. Anti-clockwise spindle rotation required.

特點 / Feature

- CBH鏜頭反向裝可以進行鏜孔加工。
- 加工範圍Φ116-Φ200。
- CBH boring head loaded reverse direction can process boring machining.
- Machining rangeΦ116-Φ200.

CBH-L

CBH-L Boring Tool For Pin Turning (Large Diameter)
CBH-L微調精密外徑鏜頭



型號 Specification	鏜外徑中d Range	連接盤 Flange adapter	橫向滑板 Extension bridge	滑塊 L	平衡塊 Balance weight	鏜頭 Boring head	鏜孔範圍 Boring range	鏜孔深度 Boring depth	平衡塊 Finish head	重量 Weight
DCK6-CBH 13-115-L	13-115	DCK6-FL200	DST200	180	DCK4-CB200		108-192	75, $\phi < 180$	DCK4-CBH	9.19
112-215-L	112-215	DCK6-FL200	DST300	280	DCK4-CB200		108-292	75, $\phi < 280$	DCK4-CBH	11.22
212-315-L	212-315	DCK6-FL200	DST400	380	DCK4-CB200	CBH41-74	108-392	75, $\phi < 380$	DCK4-CBH	13.12
312-415-L	312-415	DCK6-FL200	DST500	480	DCK4-CB200	刀片座4-1	108-492	75, $\phi < 480$	DCK4-CBH	15.02
412-515-L	412-515	DCK6-FL200	DST600	580	DCK4-CB200	刀片TCMT1102	108-592	75, $\phi < 580$	DCK4-CBH	16.92
512-615-L	512-615	DCK6-FL200	DST700	680	DCK4-CB200	TPGH110304	108-692	75, $\phi < 680$	DCK4-CBH	18.90
612-715-L	612-715	DCK6-FL200	DST800	780	DCK4-CB200		108-792	75, $\phi < 780$	DCK4-CBH	20.80

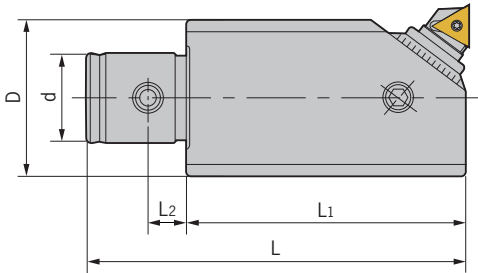
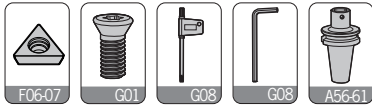
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

滑塊緊固螺釘:M080U100-D

注意: 1.CBH鏜頭上附帶1祇刀片座(CBH4-1), 但不附帶刀片, 請另外訂購。2.加工時, 主軸應反轉。
Notice:1.Boring head with one insert holder, without insert, please order it separately. 2. Anti-clockwise spindle rotation required.

DYD

DYD Cartridge Boring Tool
DYD微調精密鏜頭

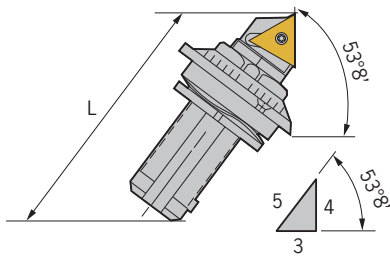
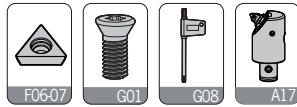


斜置安裝型 Inclined Mounting Type

型號 Specification	D	d	L1	L2	L	鏜孔範圍 Boring range	組合刀柄 Adapter size	組合鏜頭 Insert holder	刀片型號 Insert	側面鎖緊螺釘 Locking screw	L型扳手 Wrench	重量 Weight
DCK1-DYD20-22	18	11	35	4.65	51	20-22.5	DCK1	M2-DYD20	TBGH0601	M040U040-D	L02	0.10
DCK1-DYD22-29	20	11	35	4.65	51	22-29.5	DCK1	M2-DYD22	TBGH0601	M040U050-D	L02	0.11
DCK2-DYD29-41	25	14	45	62	61	29-41	DCK2	M3-DYD29	TBGH0601	M040U060-D	L02	0.17
DCK3-DYD38-50	35	18	70	7.5	90	38-50	DCK3	M5-DYD38	TPGH1103	M050U060-D	L025	0.50
DCK4-DYD48-65	41	22	60	9.5	86	48-65	DCK4	M5-DYD48	TPGH1103	M060U120-D	L03	0.70
DCK5-DYD62-90	54	28	80	12.4	110	62-90	DCK5	M7-DYD62	TPGH1603	M080U160-D	L04	1.37
DCK6-DYD82-110	67	36	110	15	150	82-110	DCK6	M7-DYD82	TPGH1603	M080U200-D	L04	3.20
DCK6-DYD105-140	84	36	130	15	170	105-140	DCK6	M9-DYD105	TPGH1603	M080U200-D	L04	4.53
DCK6-DYD135-175	98	36	140	15	180	135-175	DCK6	M9-DYD135	TPGH1603	M080U200-D	L04	5.61

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

Insert Holder For DYD Cartridge Boring Tool
DYD微調精密鏜頭微調器

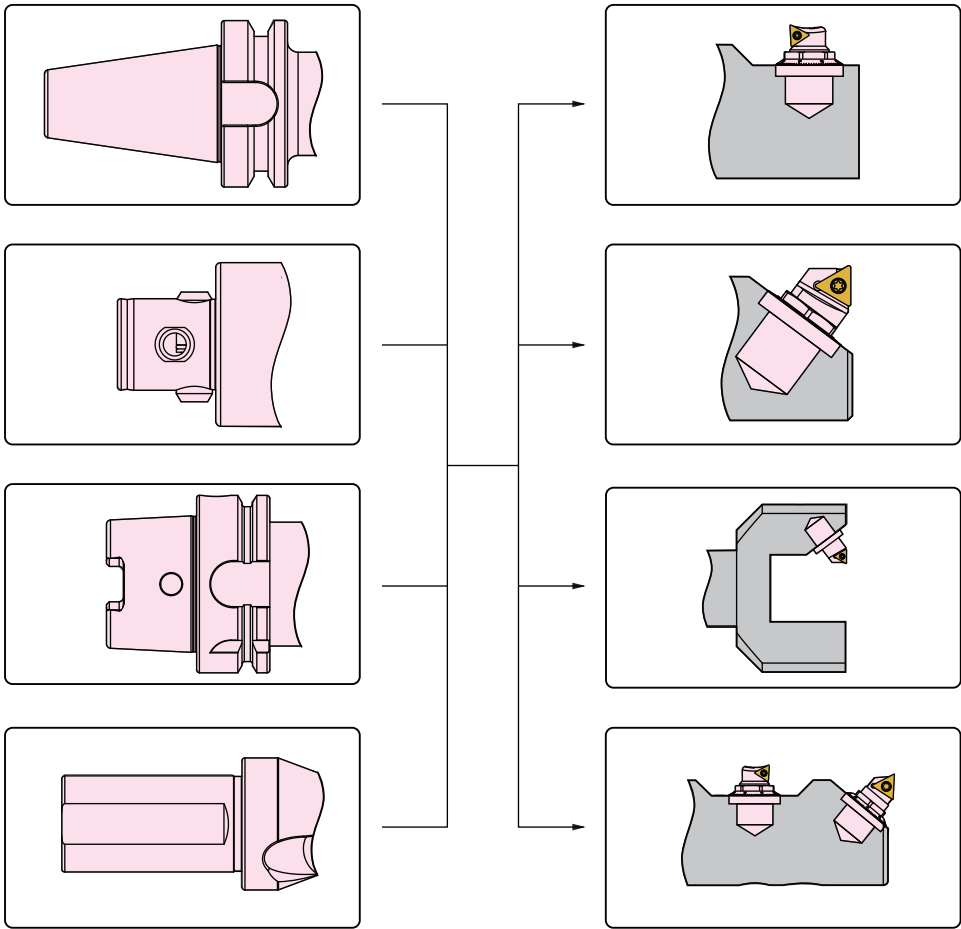


規格 Specification	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
M2-DYD20	20.7	20-22.5	TBGH0601	M020W040	Q06	0.01
M2-DYD22	23.5	22-29.5	TBGH0601	M020W040	Q06	0.01
M3-DYD29	31.0	29-41	TBGH0601	M020W040	Q06	0.03
M5-DYD38	40.0	38-50	TPGH1103	M030W070	Q08	0.04
M5-DYD48	47.7	48-65	TPGH1103	M030W070	Q08	0.05
M7-DYD62	63.5	62-90	TPGH1603	M040W090	Q15	0.18
M7-DYD82	84	82-110	TPGH1603	M040W090	Q15	0.21
M9-DYD105	110	105-140	TPGH1603	M040W090	Q15	0.47
M9-DYD135	136	135-175	TPGH1603	M040W090	Q15	0.57

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

特點 / Feature

■微調單位每格調整尺寸為直徑0.02mm。 ■Dial precision: 0.02mm on diameter.



注 / Notice

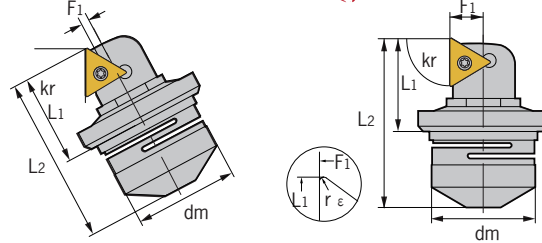
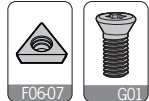
- 精鏜單元是安裝與精密加工的非標刀具本體。
- 精鏜單元為前端調節微調精度，每單元刻度為直徑0.01mm。
- 精鏜帶有自鎖功能，即調節刻度前無需解鎖，調節完成後也無需鎖緊。
- 另有多款主偏角微調精鏜單元可接單生產。

注意事項：
禁止使用者將刀片座擰鬆至超出安全行程，
如果超出調整範圍，此精鏜單元即報廢無法修復。

- For non-standard tools;
- Dial precision 0.01mm on diameter;
- With self-lock design;
- Cartridge with different lead angle available on request.

Caution:
Cartridge shall be adjusted within suggested range,
or it will be broken and cannot be repaired.

NEW

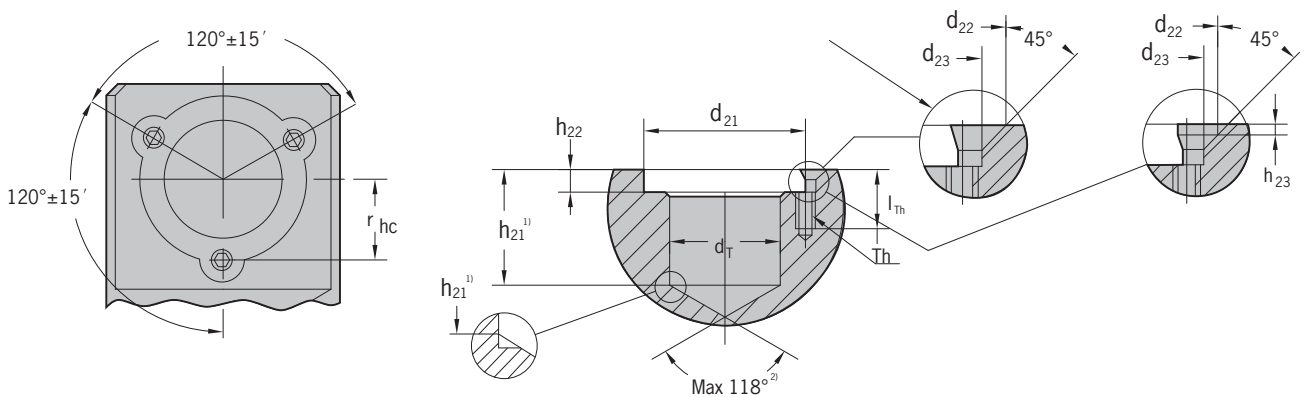


圖示為右手型
Right Hand

型號 Specification	圖示 Fig	主偏角 Kr	dm	L1	L2	F1	Dmin	刃傾角 λ	刀片型號 Insert	扳手 Wrench	重量 Weight
MKT1- 90C06-L/R	A	90	16	14.3	25.15	0.45	25.5	-3	CC**0602	WMKT06	0.03
90T06-L/R	A	90	16	14.3	25.0	0.50	24.8	0	TC**06T1	WMKT06	0.03
90T09-L/R	A	90	20	19.1	33.7	0.90	32.5	0	TC**0902	WMKT09	0.05
90T11-L/R	A	90	22	23.0	45.3	1.10	42.0	0	TC**1103	WMKT11	0.18
90T16-L/R	A	90	32	33.3	62.3	1.20	59.4	0	TC**16T3	WMKT16	0.21
MKT2- 90C06-L/R	B	90	16	13.3	24.1	5.10	27.0	-3	CC**0603	WMKT06	0.03
90T09-L/R	B	90	20	18.3	32.9	6.30	36.5	0	TC**0902	WMKT09	0.05
90T11-L/R	B	90	22	22.1	44.3	7.20	48.5	0	TC**1103	WMKT11	0.18
90T16-L/R	B	90	32	32.0	62.7	10.3	68.4	0	TC**16T3	WMKT16	0.21

適用 Suitable:德克或京瓷刀片 DEREK Or KYOCERA Insert

MKT Boring Cartridge - Assembling Size
MKT精鏜單元的安裝尺寸



△	d _T H7	d ₂₁ ¹⁾	d ₂₂ ¹⁾	d ₂₃	h ₂₁ ²⁾	h ₂₂ ³⁾	h ₂₃ ¹⁾	l _{Th}	r _{hc}	T _h
06	16	19	4.6	3.2	11.5	2.8	1.6	9	9.65 ± 0.02	M3
09	20	25	4.6	3.2	15.5	4.0	1.6	9	12.50 ± 0.05	M3
11	22	30	6.5	4.3	24.0	5.0	1.8	13	15.40 ± 0.05	M4
16	32	46	11.9	5.4	33.0	6.3	-	16	23.00 ± 0.05	M5
06	16	19	4.6	3.2	11.5	2.8	1.6	9	9.65 ± 0.02	M3

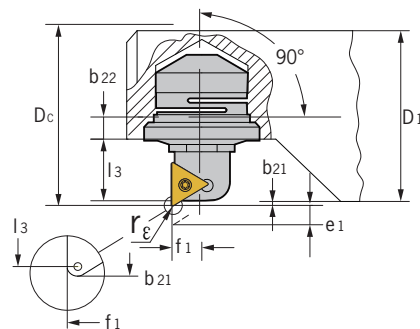
1)⁺0.1
0

2)⁺0.2
0

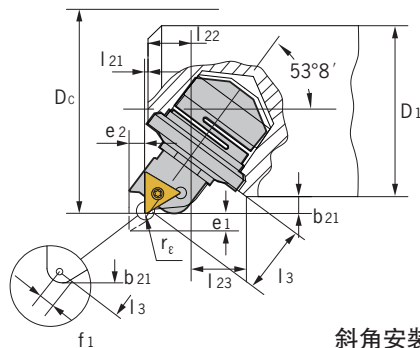
3)±0.2

MKT

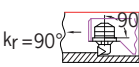
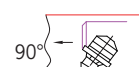
MKT Boring Cartridge - Assembling Size MKT精銼單元的安裝尺寸



直角安裝
 $k_r = 90^\circ$



斜角安裝
 $k_r = 90^\circ$

進給方向	r_ϵ	D_1 min	D_c min	b_{21} min	e_1 max	e_2 max	b_{22} min	$l_3^{1)}$ min	l_{21}	l_{22}	l_{23}	f_1
 直角安裝	0.2		27.9	0.60				9.8				
	0.4	26.0	27.6	0.55	2.5	-	3.60	9.6	-	-	-	5.10
	0.8		27.0	0.50				9.1				
	0.2		37.4	1.45				13.95				
	0.4	34.5	37.1	1.30	3.5	-	4.55	13.6	-	-	-	6.30
	0.8		36.5	1.00				12.9				
	0.2		49.4	1.45				16.75				
	0.4	46.5	49.1	1.30	6	-	7.75	16.4	-	-	-	7.20
	0.8		48.5	1.00				15.7				
	0.4		69.6	1.30				25.0				
	0.8	67.0	69.0	1.00	10	-	9.40	24.3	-	-	-	10.30
	1.2		68.4	0.70				23.6				
 斜角安裝	0.2		26.2	1.70				11.0				0.40
	0.4	22.0	25.9	1.65	2	1.5	-	10.7	0.5	6.60	9.55	0.40
	0.8		25.3	1.60				10.1				0.45
	0.2		25.7	1.50				10.9				0.40
	0.4	22.0	25.4	1.45	2	1.5	-	10.6	0.5	6.60	9.55	0.40
	0.8		24.8	1.40				10.0				0.45
	0.2		33.4	2.45				14.9				0.95
	0.4	28.5	33.1	2.30	2.8	2.1	-	14.5	0.5	9.40	12.15	1.00
	0.8		32.5	2.00				13.7				1.10
	0.2		42.9	2.45				17.6				1.15
	0.4	38.0	42.6	2.30	4.8	3.6	-	17.2	0.5	11.20	14.85	1.20
	0.8		42.0	2.00				16.4				1.30
	0.4		60.6	2.80				26.2				1.30
	0.8	55.0	60.0	2.50	8	6.0	-	25.4	0.5	16.65	23.70	1.40
	1.2		59.4	2.20				24.6				1.50

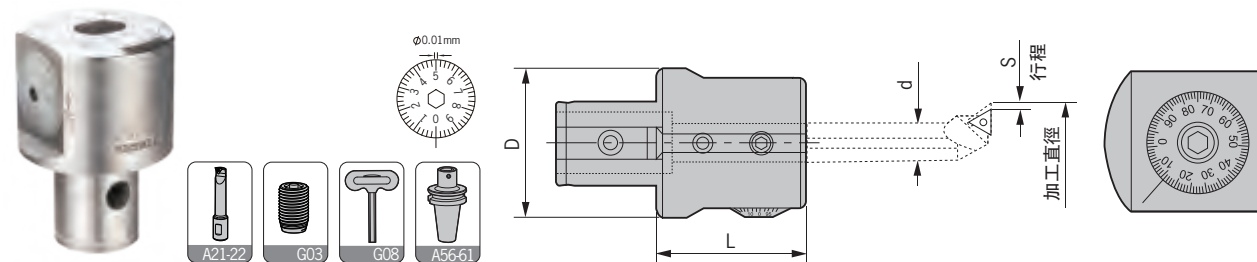
適用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

說明:

1): 完全夾緊在銼刀卡內時的尺寸。

DBJ10/12/16

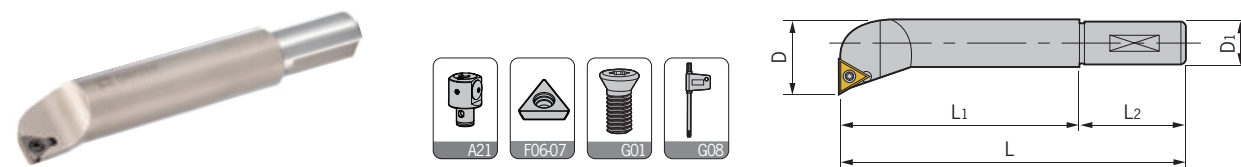
DBJ10/12/16 Micro-boring Head DBJ10/12/16微調精密銼頭



型號 Specification	D	d	L	微調行程 S Micro distance	微調精度(直徑) Dial precision	銼孔範圍 Boring range	組合刀柄 Adapter size	微調鎖緊螺釘 Adjusting screw	刀杆固定螺釘 Locking screw	T型扳手 Wrench	重量 Weight
DBJ10	39	10	30	2.5	0.01	6-24	DCK4	M060U060-D	M060U050-D	T03	0.50
DBJ12	50	12	40	4	0.01	6-32	DCK5	M080U090-D	M080U060-D	T04	0.75
DBJ16	64	16	50	5	0.01	8-50	DCK6	M100U100-D	M100U140-D	T05	1.14

適用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

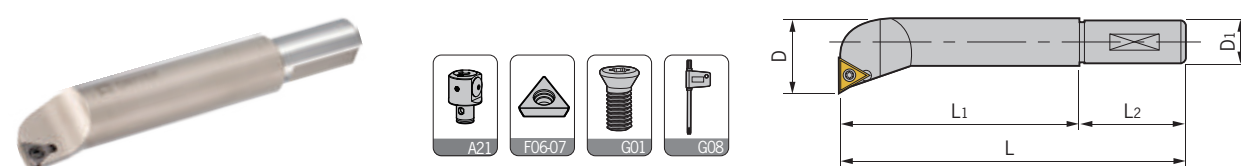
DBJ10 Micro-boring Bar DBJ10微調銼頭刀杆



型號 Specification	D	D1	L1	L2	L	銼孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 1006-24	6	10	24	32	56	6-8	WBGTO601L	M020W040	Q06	0.03
1008-32	8	10	32	32	64	8-10	TBGH0601L	M020W040	Q06	0.04
1010-40	10	10	40	32	72	10-12	TBGH0601L	M020W040	Q06	0.05
1012-45	12	10	45	32	77	12-16	TPGH0902L	M025W060	Q08	0.06
1016-45	16	10	45	32	77	16-20	TPGH0902L	M025W060	Q08	0.08
1020-45	20	10	45	32	77	20-24	TPGH0902L	M025W060	Q08	0.11

適用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ12 Micro-boring Bar DBJ12微調銼頭刀杆

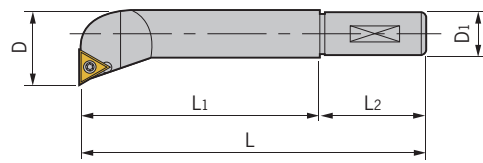
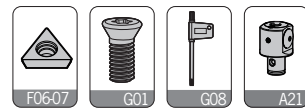


型號 Specification	D	D1	L1	L2	L	銼孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 1206-24	6	12	24	32	56	6-8	WBGTO601L	M020W040	Q06	0.03
1208-32	8	12	32	32	64	8-10	TBGH0601L	M020W040	Q06	0.04
1210-40	10	12	40	32	72	10-12	TBGH0601L	M020W040	Q06	0.05
1212-45	12	12	45	32	77	12-16	TPGH0902L	M025W060	Q08	0.06
1216-45	16	12	45	32	77	16-20	TPGH0902L	M025W060	Q08	0.09
1220-45	20	12	45	32	77	20-25	TPGH0902L	M025W060	Q08	0.12
1225-45	25	12	45	32	77	25-32	TPGH1103L	M030W070	Q08	0.16

適用 Suitable: 德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ16

DBJ16 Micro-boring Bar
DBJ16微調鏜頭刀杆



型號 Specification	D	D1	L1	L2	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 1608-32	8	16	32	32	64	8-11	TBGH0601L	M020W040	Q06	0.07
1610-40	10	16	40	32	72	10-13	TBGH0601L	M020W040	Q06	0.07
1612-53	12	16	53	32	85	12-17	TPGH0902L	M025W060	Q08	0.09
1616-68	16	16	68	32	115	16-21	TPGH0902L	M025W060	Q08	0.13
1620-83	20	16	83	32	118	20-26	TPGH1103L	M030W070	Q08	0.20
1625-90	25	16	90	32	122	25-32	TPGH1103L	M030W070	Q08	0.25
1630-90	30	16	90	32	122	30-42	TPGH1103L	M030W070	Q08	0.25
1640-90	40	16	90	32	122	40-50	TPGH1103L	M030W070	Q08	0.26

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ Micro-boring Tool Kit
DBJ微調精鏜套裝組合

型號 Specification	鏜孔範圍 Boring range	組合刀柄 Adapter	重量 Weight
BT40-DBJ10-6PCS	6-24	BT40-DCK4-70	2.20
BT50-DBJ10-6PCS	6-24	BT50-DCK4-100	4.72

內附零件 Items Included

- 1.刀柄一把 One boring adapter
- 2.精密鏜頭一支 One micro boring head
- 3.精鏜刀杆六支 Six micro boring bars
- 4.扳手三支 Three wrenches

型號 Specification	鏜孔範圍 Boring range	組合刀柄 Adapter	重量 Weight
BT40-DBJ12-7PCS	6-32	BT40-DCK5-60	2.40
BT50-DBJ12-7PCS	6-32	BT50-DCK5-90	4.94

內附零件 Items Included

- 1.刀柄一把 One boring adapter
- 2.精密鏜頭一支 One micro boring head
- 3.精鏜刀杆七支 Seven micro boring bars
- 4.扳手三支 Three wrenches

型號 Specification	鏜孔範圍 Boring range	組合刀柄 Adapter	重量 Weight
BT40-DBJ16-8PCS	8-50	BT40-DCK6-55	3.68
BT50-DBJ16-8PCS	8-50	BT50-DCK6-85	6.74

內附零件 Items Included

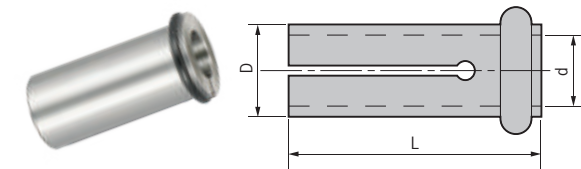
- 1.刀柄一把 One boring adapter
- 2.精密鏜頭一支 One micro boring head
- 3.精鏜刀杆八支 Eight micro boring bars
- 4.扳手三支 Three wrenches



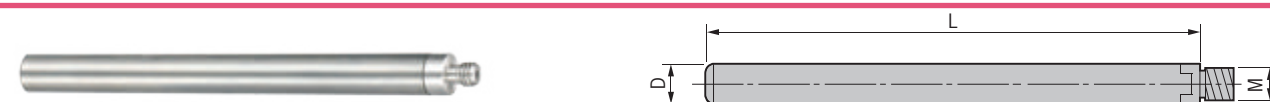
DBJ/DT/DEB

DBJ Collet For Solid Carbide Boring Bar
DBJ鎢鋼刀杆專用筒夾

型號 Specification	D	d	L	組合鎢鋼刀杆 Boring holder
DBJ 10-6	10	6	26	CA06**
10-8	10	8	26	DT08-M5**
12-8	12	8	32	DT08-M5**
12-10	12	10	32	DT10-M6**
16-8	16	8	38	DT08-M5**
16-10	16	10	38	DT10-M6**
16-12	16	12	38	DT12-M6**

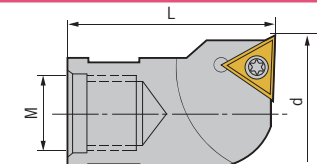
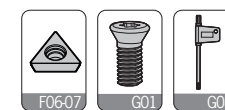


DT Solid Carbide Boring Holder
DT抗振鎢鋼刀杆



型號 Specification	D	L	M	組合鏜頭 Insert holder	組合筒夾 Collect	重量 Weight
DT 08-M5-115	8	115	M5	DEB09,DEB10.5	DBJ16-8	0.05
10-M6-115	10	115	M6	DEB12	DBJ16-10	0.13
10-M6-135	10	135	M6	DEB12	DBJ16-10	0.15
10-M6-160	10	160	M6	DEB12	DBJ16-10	0.18
12-M6-135	12	135	M6	DEB14,DEB16	DBJ16-12	0.20
12-M6-165	12	165	M6	DEB14,DEB16	DBJ16-12	0.25
16-M10-105	16	105	M10	DEB18,DEB20,DEB22,DEB24,DEB26,DEB28,DEB30,DEB32,DEB34,DEB36,DEB38,DEB40,DEB42,DEB44,DEB46,DEB48,DEB50	-	0.35
16-M10-140	16	140	M10		-	0.43
16-M10-180	16	180	M10		-	0.67

DEB Insert Holder
DEB拾弃式鏜頭

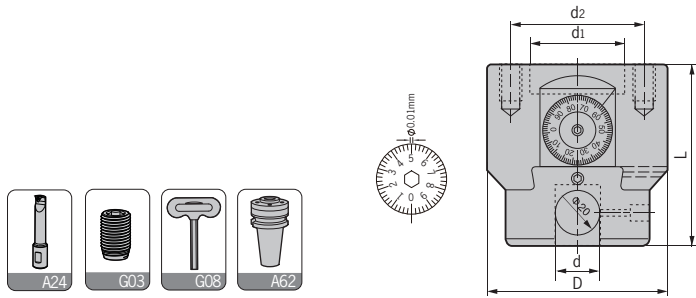


型號 Specification	d	L	M	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DEB 09	9	18	M5	9-10.5	TPGH080202	M022W050	Q06	0.03
10.5	10.5	18	M5	10.5-12	TPGH080202	M022W050	Q06	0.03
12	12	23	M6	12-14	TPGH080202	M022W050	Q06	0.03
14	14	23	M6	14-16	TPGH080202	M022W050	Q06	0.03
16	16	23	M6	16-18	TPGH080202	M022W050	Q06	0.04
18	18	27	M10	18-20	TPGH080202	M022W050	Q06	0.04
20	20	27	M10	20-22	TPGH080202	M022W050	Q06	0.05
22	22	27	M10	22-24	TPGH080202	M022W050	Q06	0.05
24	24	27	M10	24-26	TPGH080202	M022W050	Q06	0.05
26	26	27	M10	26-28	TPGH080202	M022W050	Q06	0.05
28	28	27	M10	28-30	TPGH080202	M022W050	Q06	0.06
30	30	27	M10	30-32	TPGH080202	M022W050	Q06	0.06
32	32	27	M10	32-34	TPGH080202	M022W050	Q06	0.07
34	34	27	M10	34-36	TPGH080202	M022W050	Q06	0.09
36	36	27	M10	36-38	TPGH080202	M022W050	Q06	0.11
38	38	27	M10	38-40	TPGH080202	M022W050	Q06	0.15
40	40	27	M10	40-42	TPGH080202	M022W050	Q06	0.16
42	42	27	M10	42-44	TPGH080202	M022W050	Q06	0.19
44	44	27	M10	44-46	TPGH080202	M022W050	Q06	0.22
46	46	27	M10	46-48	TPGH080202	M022W050	Q06	0.26
48	48	27	M10	48-50	TPGH080202	M022W050	Q06	0.30
50	50	27	M10	50-52	TPGH080202	M022W050	Q06	0.34

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

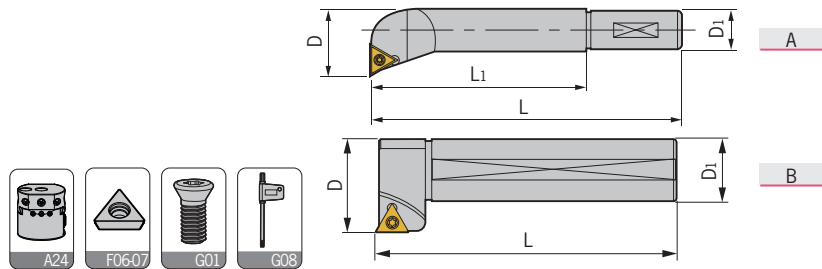
NBH/DBJ

NBH2084 Micro-boring Head
NBH2084微調精密鏢頭



型號 Specification	D	d	d1	d2	L	鏢孔範圍 Boring range	微調行程 Micro distance	微調精度(直徑) Dial precision	組合刀柄 Adapter size	重量 Weight
NBH2084	84	20	35	60	80	8-280 微調鎖緊螺釘 Adjusting screw M080U120-D	28 T型扳手 Wrench T04	0.01 刀杆固定螺釘 Locking screw M120U140-D	NBH-A.B T型扳手 Wrench T06	2.74

DBJ20 Micro-Boring Bar
DBJ20微調精密鏢頭刀杆



型號 Specification	圖示 Figure	D	D1	L1	L	鏢孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 2008-32	A	8	20	32	74	8-11	TBGH0601L	M020W040	Q06	0.09
2010-40	A	10	20	40	75	10-13	TBGH0601L	M020W040	Q06	0.10
2012-53	A	12	20	53	88	12-17	TPGH0902L	M025W060	Q08	0.12
2016-68	A	16	20	68	103	16-21	TPGH0902L	M025W060	Q08	0.16
2020-83	A	20	20	83	115	20-26	TPGH1103L	M030W070	Q08	0.22
2025-96	A	25	20	96	131	25-135	TPGH1103L	M030W070	Q08	0.35
2030-115	A	30	20	115	159	30-140	TPGH1103L	M030W070	Q08	0.52
20120-97	B	30	20	-	97	120-280	TPGH1103L	M030W070	Q08	0.25

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

NBH2084 Micro-Boring Tool Kit
NBH2084微調精鏢套裝組合

型號 Specification	DBJ2008-32	DBJ2012-53	DBJ2020-83	DBJ2030-115
(八支套裝) DBJ20-8PCS	DBJ2010-40	DBJ2016-68	DBJ2025-96	DBJ20120-97

型號 Specification	鏢孔範圍 Boring range	組合刀柄 Adapter	重量 Weight
BT40-NBH2084-8PCS	8-280	BT40-NBH-A50	6.44
BT50-NBH2084-8PCS	8-280	BT50-NBH-A50	8.89



內附零件 Items

- 1.刀柄一把 One boring adapter
- 2.精密鏢頭一支 One micro boring head
- 3.精鏢刀杆八支 Eight micro boring bars
- 4.扳手四支 Four wrenches

