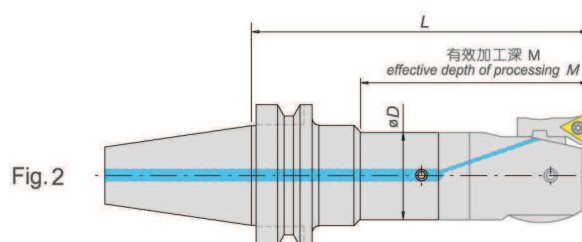
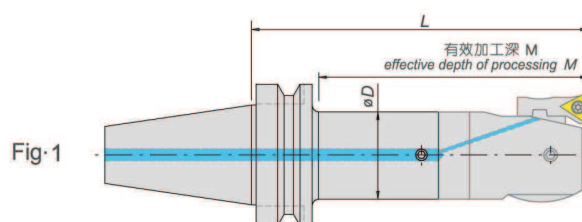




BSD Fine Boring Systems

BSD 精搪組



Set 整組		Boring Range 搪孔範圍	Fig.	M	øD	L
Boring Heads 精搪頭	Shanks 刀把規格					
BSD 19	BT30-AK1-070	ø20 ~ ø26	2	65	19	105
BSD 24	-AK2-040	ø25 ~ ø33	1	50	24	75
	-080			85		115
BSD 31	-AK3-040	ø32 ~ ø42	1	50	31	80
	-075			85		115
BSD 39	-AK4-040	ø41 ~ ø54	1	60	39	85
	-075			90		120
BSD 50	-AK5-065	ø53 ~ ø70	1	90	50	120

BSD 19	BT40-AK1-070	ø20 ~ ø26	1	70	19	100
	-120		2	72		150
	-170					200
BSD 24	-AK2-080	ø25 ~ ø33	1	83	24	115
	-125		2	88		160
	-170					210
BSD 31	-AK3-095	ø32 ~ ø42	1	103	31	135
	-150		2	98		190
	-200					240
BSD 39	-AK4-090	ø41 ~ ø54	1		39	135
	-145		2	103		190
	-195					240
BSD 50	-AK5-080	ø53 ~ ø70	1	103	50	135
	-135			140		190
	-185			150		240
BSD 64	-AK6-065	ø68 ~ ø100	1	103	63	135
	-120			158		190
	-170			208		240
BSD 90	-AK6-065	ø99 ~ ø152	1	103	63	135
	-120			158		190
	-170			208		240

■ 使用加長型刀把，切削條件需改變，例如：降低切削進給率，減少切削深度等。

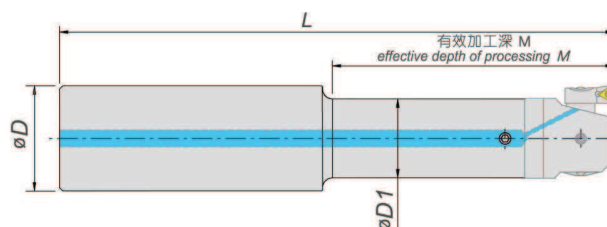
■ When using longer shanks, please change the cutting condition.

BSD 精搪組

Set 整組		Boring Range 搪孔範圍	Fig.	M	øD	L
Boring Heads 精搪頭	Shanks 刀把規格					
BSD19	BT50-AK1-105	ø20 ~ ø26	2	72	19	135
	-170					200
	-220					250
BSD24	-AK2-110	ø25 ~ ø33	1	100	24	143
	-175		2			210
	-225					260
BSD31	-AK3-120	ø32 ~ ø42	1	113	31	158
	-200		2	120		240
	-240					280
BSD39	-AK4-120	ø41 ~ ø54	1	120	39	165
	-195		2	127		240
	-235					280
BSD50	-AK5-110	ø53 ~ ø70	1	120	50	165
	-185			190		240
	-225			230		280
BSD64	-AK6-095	ø68 ~ ø100	1	125	64	165
	-170			200		240
	-210			240		280
BSD90	-AK6-095	ø99 ~ ø152	1	125	64	165
	-170			200		240
	-210			240		280

BSD-ST Fine Boring Systems

BSD-ST 精搪組



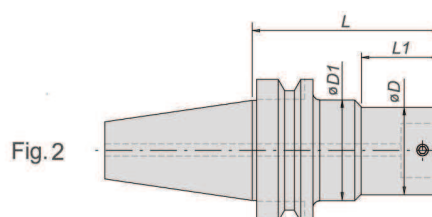
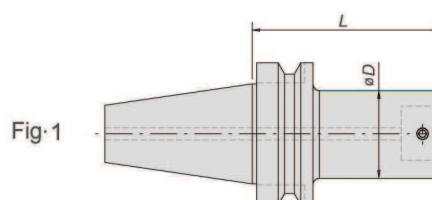
Set 整組		Boring Range 搪孔範圍	M	øD	øD1	L
Boring Heads 精搪頭	Shanks 刀把規格					
BSD19	ST32-AK1-050	ø20 ~ ø26	75	32	19	160
BSD24	-AK2-070	ø25 ~ ø33	100		24	185
BSD31	-AK3-090	ø32 ~ ø42	125		31	205
BSD39	-AK4-085	ø41 ~ ø54			39	
BSD50	-AK5-075	ø53 ~ ø70			50	
BSD64	-AK6-060	ø68 ~ ø100			64	

BSD19	ST42-AK1-050	ø20 ~ ø26	75	42	19	160
BSD24	-AK2-070	ø25 ~ ø33	100		24	185
BSD31	-AK3-090	ø32 ~ ø42	125		31	205
BSD39	-AK4-085	ø41 ~ ø54			39	
BSD50	-AK5-075	ø53 ~ ø70			50	
BSD64	-AK6-060	ø68 ~ ø100			64	

Shanks 刀把規格	Fig.	øD	øD1	L	L1
BT30-AK1-070	2	19	31	72	35
-AK2-040	1	24	-	40	-
-080				80	
-AK3-040	1	31	-	40	-
-075				75	
-AK4-040	1	39	-	38	-
-075				73	
-AK5-065	1	50	-	63	33

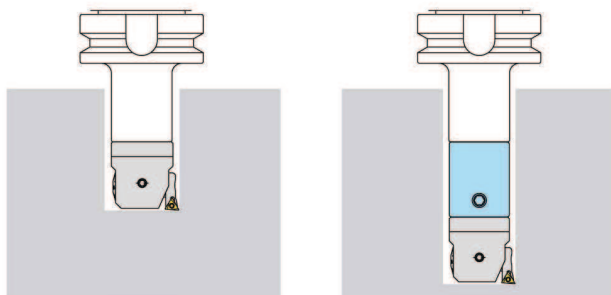
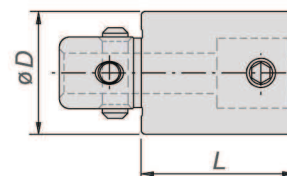
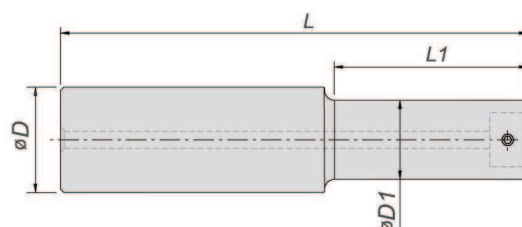
BT40-AK1-070	1	19	-	70	-
-120	2		40	118	40
-170				168	
-AK2-080	1	24	-	80	-
-125	2		45	125	53
-175				175	
-AK3-095	1	31	-	95	-
-150	2		50	150	58
-200				200	
-AK4-090	1	39	-	88	-
-145	2		50	143	56
-195				193	
-AK5-080	1	50	-	78	-
-135	2		-	133	83
-185				183	93
-AK6-065	1	63	-	64	-
-120	2		-	119	-
-170				169	

BT50-AK1-105	2	19	-	103	35
-170			40	168	
-220				218	
-AK2-110	1	24	-	108	-
-175	2		45	175	65
-225				225	
-AK3-120	1	31	-	118	-
-200	2		50	200	80
-240				240	
-AK4-120	1	39	-	118	-
-195	2		50	193	80
-235				233	
-AK5-110	1	50	-	108	-
-185	2		-	183	-
-225				223	
-AK6-095	1	64	-	94	-
-170	2		-	169	-
-210				209	



Shanks 刀把規格	øD	øD1	L	L1
ST32-AK1-050	32	19	128	48
-AK2-070		24	150	70
-AK3-090		31	170	90
-AK4-085		39	163	83
-AK5-075		50	153	73
-AK6-060		64	139	59

ST42-AK1-050	42	19	128	48
-AK2-070		24	150	70
-AK3-090		31	170	90
-AK4-085		39	163	83
-AK5-075		50	153	73
-AK6-060		64	139	59



Part No. 規格	øD	L
AK1.020EXT	19	20
.050EXT		50
AK2.030EXT	24	30
.050EXT		50
AK3.030EXT	31	30
.060EXT		60
AK4.045EXT	39	45
.090EXT		90
AK5.050EXT	50	50
.090EXT		90
AK6.060EXT	64	60
.100EXT		100

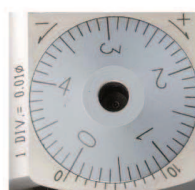
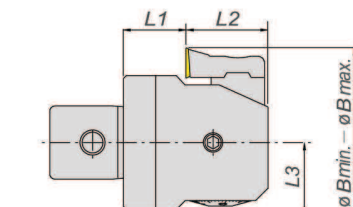
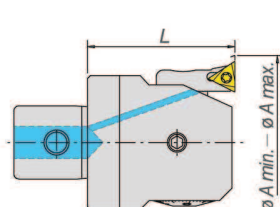


BSD Fine Boring Systems

BSD 精搪頭



- 訂購精搪頭時，即已包含1只刀片座在內。
- 請依照隨附之使用說明書，並使用正確之六角扳手及Torx扳手操作。
- Included in the delivery are insertholders type BSD.H.
- Please use the correct hexagon and Torx wrenches.



Standard Accessory 標準附件



Insertholder
刀片座

* 清晰之大刻度盤，每刻度移動量為0.005 mm (直徑 0.01 mm)

* 副尺每刻度0.001 mm. (直徑)

* One division on the scale corresponds to 0.005 mm movement, or 0.01 mm diametrical adjustment.

* High precision vernier setting to 0.001 mm.(dia)

Part No. 規格	Boring ϕA 搪孔範圍Range	Back Boring ϕB 搪孔範圍Range	L	L1	L2	L3
BSD 19	$\phi 20 \sim \phi 26$	-	32.5	10.5	19	10
BSD 24	$\phi 25 \sim \phi 33$	-	35.5	11.5	21	12.5
BSD 31	$\phi 32 \sim \phi 42$	-	40	10	25	16
BSD 39	$\phi 41 \sim \phi 54$	-	47	14	29	20
BSD 50	$\phi 53 \sim \phi 70$	$\phi 62 \sim \phi 72$	57	19	34	25.5
BSD 64	$\phi 68 \sim \phi 100$	$\phi 80 \sim \phi 100$	71	22	45.2	32.5
BSD 90	$\phi 100 \sim \phi 153$	$\phi 112 \sim \phi 153$				45.5



三角刀片座



菱形刀片座

Insertholder 刀片座	Part No. 規格
B.BSD.H1.19	BSD 19
B.BSD.H2.24	BSD 24
B.BSD.H3.31	BSD 31
B.BSD.H4.39	BSD 39
B.BSD.H5.50	BSD 50
B.BSD.H6.64	BSD 64

Insertholder 刀片座	Part No. 規格
B.BSD.HD.31	BSD 31
B.BSD.HD.39	BSD 39
B.BSD.HD.50	BSD 50
B.BSD.HD.64	BSD 64