

Clamping diameter: $\phi 3 - \phi 20$

MOLD CHUCK

BBT/BT SHANK

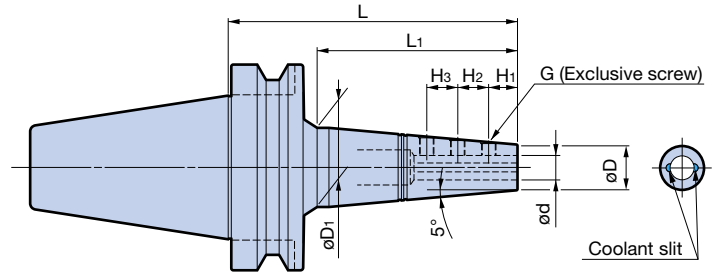
Slim design eliminates interference problems!



● Model Description

BBT40 - **SSL** **3** - **135**

- L dimension
- Clamping diameter
- MOLD CHUCK
- BIG-PLUS BT No.



BIG-PLUS (BBT Shank) tools can be used on both BIG-PLUS spindles and conventional **BT spindles**.

BIG-PLUS BBT SHANK Model	ød	øD	øD ₁	L	L ₁	H ₁	H ₂	H ₃	G	Weight (kg)
BBT40-SSL 3-135	3	10	27.5	135	100	6	6	—	M3	1.2
-SSL 4-135	4	11	28.5			7	M4		1.2	
-SSL 6-135	6	13	30			12	13		M6	1.3
-SSL 8-135	8	15	32			13.5	18		M6	1.3
-SSL10-150	10	17	36.5	150	115	15	20	—	M6	1.5
-SSL12-150	12	22	41.5				16		16	M8
BBT50-SSL 6-150	6	13	31	150	104	12	13	—	M6	3.9
-200			39.5	200	154					4.4
-SSL 8-150	8	15	32.5	150	104	13.5	18	—	M6	3.9
-200			41.5	200	154					4.4
-SSL10-150	10	17	34.5	150	104	15	20	—	M6	4.0
-200			43.5	200	154					4.4
-SSL12-150	12	22	39.5	150	104	15	16	16	M8	4.2
-200			48	200	154					4.9
-SSL16-150	16	26	43	150	104	15	20	22	M8	4.5
-200			52	200	154					5.0
-SSL20-150	20	30	47	150	104	15	20	25	M8	4.6
-200			56	200	154					5.2

- Please note that the practical spindle speed may be considerably influenced by the machine rigidity and tool balance. When using, slowly ramp up to the appropriate speed starting from slow speeds.
 - Ensure the tip of the ball endmill is in 90° phase to the clamping bolt when clamping.
- Longer size is available as a special order.
 - BIG original side lock screws must be used as they are made to an exclusive design and different from other screws on the market.

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Exclusive Side Lock Screw (Standard Accessory)

Model	Thread size	Screw length / quantity	Body Model
H0304FS	M3 P0.5	4mm x 2pcs	SSL3
H0404FS	M4 P0.5	4mm x 2pcs	SSL4
H06FSA	M6 P0.75	4.5, 5mm x 1pc each	SSL6
H06FSB		4.5, 6mm x 1pc each	SSL8, 10
H08FSA	M8 P0.75	6mm x 2pcs, 8mm x 1pc	SSL12
H08FSB		6, 8, 10mm x 1pc each	SSL16, 20

- Each model consists of one set of screws required for each holder.

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MOLD CHUCK

Clamping diameter: $\varnothing 3 - \varnothing 20$

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HSK
SHANK

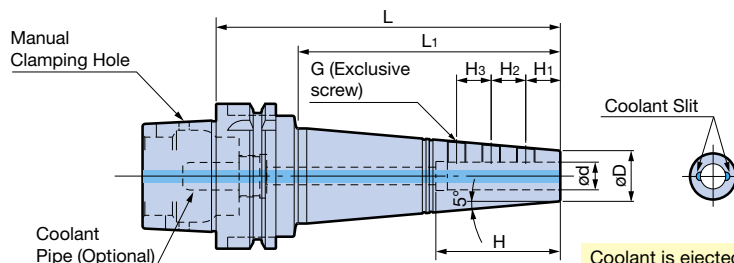
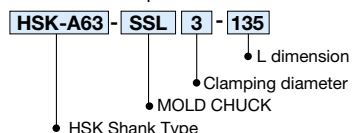
High performance side lock holder with slim design, high runout accuracy and high speed capability.



Runout accuracy of 5 μ m between cutting edges of 2-flute ball endmill.



● Model Description



A Type (DIN 69893-1) (ISO 12164)

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L ₁	Tool clamping length H	H ₁	H ₂	H ₃	G	Weight (kg)
HSK-A 63-SSL 3-135	3	10	135	99	(113)	6	6	-	M 3	1.0
-SSL 4-135	4	11				7	M 4		1.0	
-SSL 6-135	6	13				12	13		1.1	
-SSL 8-135	8	15				40	13.5		18	M 6
-SSL10-150	10	17	150	114	48	15	20	M 8	1.3	
-SSL12-150	12	22		60	16		16		1.5	
-SSL16-150	16	26		70	20		22		1.6	
HSK-A100-SSL 8-150	8	15		150	111		(121)		13.5	18
-SSL10-150	10	17	20			20		2.9		
-SSL12-150	12	22	60			16		16	3.0	
-200	16	26	150			110		65	20	22
-SSL16-150	16	26	150	110	65	20	22	M 8	3.3	
-200	16	26	200	160	80	20	22	M 8	4.0	
-SSL20-150	20	30	150	110	80	20	25	M 8	3.4	
-200	20	30	200	160	80	20	25	M 8	4.2	

- Center through coolant supply is available.
 - () indications in H dimension mean inner bore beyond the clamping bore of those models is larger than the chucking bore.
 - Ensure the tip of the ball endmill is in 90° phase to the clamping bolt when clamping.
 - Please note that the practical spindle speed may be considerably influenced by the machine rigidity and tool balance.
When using, slowly ramp up to the appropriate speed starting from slow speeds.
 - Coolant pipe is not included. C63
 - H dimensions in () are reference length up to the Coolant Pipe.
- BIG original side lock screws must be used as they are made to an exclusive design and different from other screws on the market.

Exclusive Side Lock Screw (Standard Accessory)

Model	Thread size	Screw length / quantity	Body Model
H0304FS	M3 P0.5	4mm x 2pcs	SSL3
H0404FS	M4 P0.5	4mm x 2pcs	SSL4
H06FSA	M6 P0.75	4.5, 5mm x 1pc each	SSL6
H06FSB		4.5, 6mm x 1pc each	SSL8, 10
H08FSA	M8 P0.75	6mm x 2pcs, 8mm x 1pc	SSL12
H08FSB		6, 8, 10mm x 1pc each	SSL16, 20

- Each model consists of one set of screws required for each holder.

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