Optimal operation with eliminated workpiece/jig interference is achieved in deep endmilling, wall machining and precision mold machining.

DUAL CONTACT
BIG-PLUS®

Center through

Clamping diameter ø6-

● Model Description

BBT30 - SRC 6 S - 105
- 105: L dimension
- S: Slim Type
- 6: Clamping diameter
- SRC: SHRINK CHUCK
- BBT30: BIG-PLUS BT No.

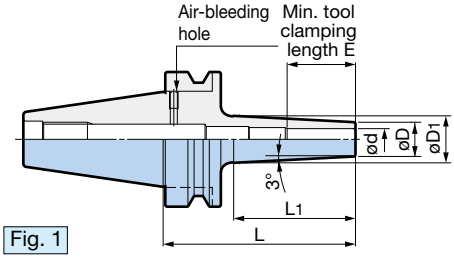


Fig. 1

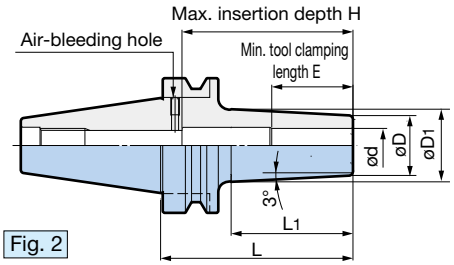


Fig. 2

[Slim Type]

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

BIG-PLUS BBT SHANK Model	Fig.	Clamping diameter ød	øD	øD[1]	L	L1	H	E	Weight (kg)
BBT30 -SRC 6S -105	1	6	10	18	105	77	(129)	26	0.48
-SRC 8S -105		8	13	21					0.51
-SRC10S -105	2	10	16	24			62	32	0.55
-SRC12S -105		12	19	27			72	36	0.60
BBT40 -SRC 6S -120	1	6	10	19	120	86	(155)	26	1.1
-165				23.5	165	127	(200)		1.3
-SRC 8S -120		8	13	22	120	86	(155)		1.2
-165				26.5	165	129	(200)		1.3
-SRC10S -120		10	16	25	120	86	(155)	32	1.2
-165				29.5	165	129	(200)		1.4
-SRC12S -120		12	19	28	120	87	(155)	36	1.3
-165				33	165	131	(200)		1.5

1. Use a carbide shank cutter within a tolerance of h6.
2. Center through coolant supply is available with tools with oil holes.
3. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.

<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>

DUAL CONTACT
BIG-PLUS®

Center through

Clamping diameter ø4-

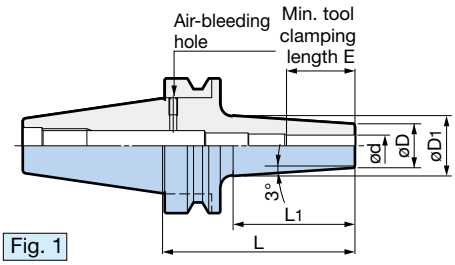


Fig. 1

● Model Description

BBT30 - SRC 4 - 75

- 75 : L dimension
- 4 : Clamping diameter
- SRC : SHRINK CHUCK
- BBT30 : BIG-PLUS BT No.

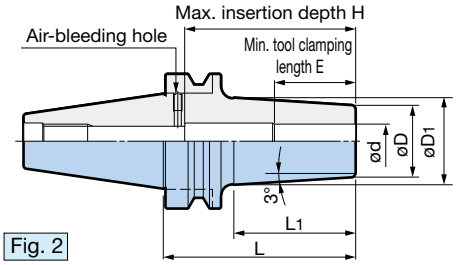


Fig. 2

[Standard type]

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

BIG-PLUS BBT SHANK Model	Fig.	Clamping diameter ød	øD	øD1	L	L1	H	E	Weight (kg)
BBT30 -SRC 4 - 75※	1	4	10	15	75	44	—	16	0.45
-SRC 6 - 75		6	14	19		47		26	0.47
-SRC 8 - 75		8	18	23					0.51
-SRC10 - 75	2	10	22	27			62	32	0.56
-SRC12 - 75		12	24	29			72	36	0.58
-SRC16 - 75		16	28	33		48	80	38	0.62
BBT40 -SRC 4 - 90※	1	4	10	15.5	90	52	—	16	1.1
-SRC 6 - 90		6	14	20		57		26	1.1
-150				26	150	114			1.3
-SRC 8 - 90		8	18	24	90	57			1.2
-150				30	150	114			1.4
-SRC10 - 90		10	22	28	90	57		32	1.2
-150				34	150	116			1.5
-SRC12 - 90		12	24	30	90	57		36	1.2
-150				36	150	116			1.6
-SRC16 - 90	2	16	28	34	90	57	80	38	1.3
-165				42	165	132			1.9
-SRC20 - 90		20	34	40	90	57	100	42	1.4
-165				48	165	132			2.1
BBT50 -SRC 6 -105	1	6	14	20.5	105	61	—	26	3.7
-165				26	165	116			3.9
-SRC 8 -105		8	18	24.5	105	61			3.8
-165				30	165	116			4.0
-SRC10 -105		10	22	28.5	105	61		32	3.8
-165				34	165	116			4.2
-SRC12 -105		12	24	30.5	105	61		36	3.9
-165				36	165	116			4.2
-SRC16 -105		16	28	34.5	105	61		38	3.9
-165				40	165	116			4.3
-SRC20 -105		20	34	40.5	105	61		42	4.0
-165				46	165	116			4.6

1. Use a carbide shank cutter within a tolerance of h6.
   For ※ models, use a carbide shank with a tolerance within h5.
2. Center through coolant supply is available with tools with oil holes.

<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>

● Coolant is securely supplied to cutting edge periphery from chuck nose.

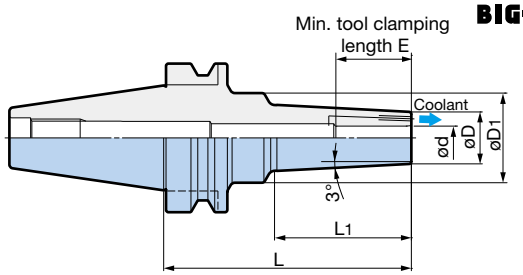
DUAL CONTACT
BIG-PLUS®

Center through

● Model Description

BBT40 - SRC 6 J - 105

- 105: L dimension
- J: Jet Through Type
- 6: Clamping diameter
- SRC: SHRINK CHUCK
- BBT40: BIG-PLUS BT No.



[Jet Through Type]

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

BIG-PLUS BBT SHANK Model	Clamping diameter ød	øD	øD1	L	L1	E	Weight (kg)
BBT40-SRC 6J-105	6	16	32	105	55	26	1.3
-SRC 8J-105	8	19	35				1.3
-SRC10J-105	10	22	38		58	32	1.4
-SRC12J-105	12	24	40		63	36	1.4
BBT50-SRC 6J-165	6	16	42	165	93	26	4.1
-SRC 8J-165	8	19	45		99		4.2
-SRC10J-165	10	22	48		103	32	4.3
-SRC12J-165	12	24	50		108	36	4.3

1. Use a carbide shank cutter within a tolerance of h6.

<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>

Optimal operation with eliminated workpiece/jig interference is achieved in deep endmilling, wall machining and precision mold machining.

Center through

[Slim Type]

● Model Description

HSK-A63 - SRC 6 S - 120
- 120: L dimension
- S: Slim Type
- 6: Clamping diameter
- SRC: SHRINK CHUCK
- HSK-A63: HSK Shank Type

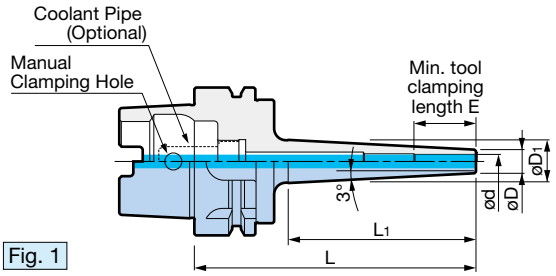


Fig. 1

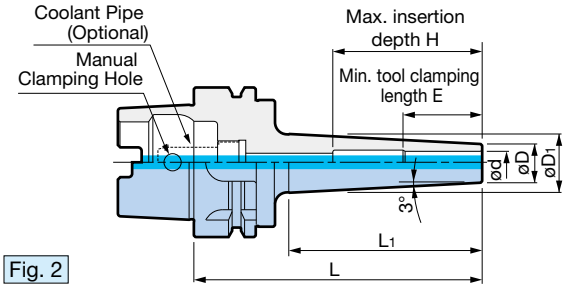


Fig. 2

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

Model	Fig.	Clamping diameter ød	øD	øD1	L	L1	H	E	Weight (kg)
HSK-A63-SRC 6S-120	1	6	10	19	120	81	(98)	26	0.9
-165				23	165	121	(143)		1.0
-SRC 8S-120	2	8	13	22	120	81	(98)		1.0
-165				26	165	123	(143)		1.1
-SRC10S-120		10	16	25	120	81	62	32	1.0
-165				29	165	123			1.2
-SRC12S-120		12	19	28	120	81	72	36	1.0
-165				32	165	125			1.3

1. Use a carbide shank cutter within a tolerance of h6.
2. Center through coolant supply is available with tools with oil holes.
3. Coolant pipe is not included. C65
4. H dimensions in ( ) are reference length up to the Coolant Pipe.

[Standard Type]

Center through

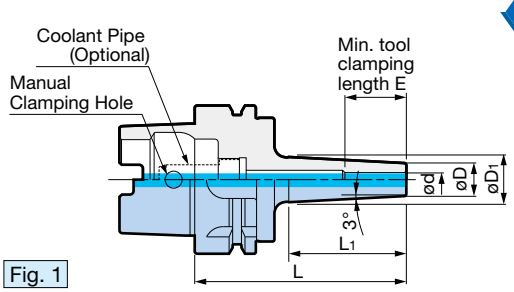


Fig. 1

● Model Description

HSK-A63 - SRC 4 - 90

- 90: L dimension
- 4: Clamping diameter
- SRC: SHRINK CHUCK
- HSK-A63: HSK Shank Type

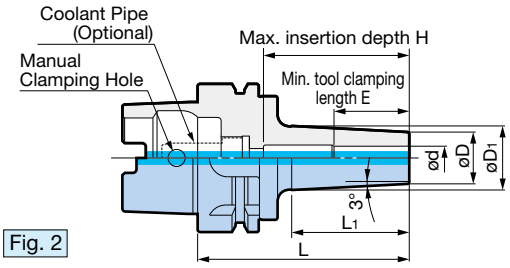


Fig. 2

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

Model	Fig.	Clamping diameter ød	øD	øD1	L	L1	H	E	Weight (kg)
HSK-A 63-SRC 4- 90 ※	1	4	10	15	90	46	(68)	16	0.9
-SRC 6- 90		6	14	20		51	(68)	26	0.9
-150				26	150	108	(128)		1.1
-SRC 8- 90	2	8	18	24	90	51	(68)		1.0
-150				30	150	110	(128)		1.2
-SRC10- 90		10	22	28	90	51	62	32	1.0
-150				34	150	111			1.3
-SRC12- 90		12	24	30	90	51	65	36	1.0
-150				36	150	112	72		1.4
-SRC16- 90		16	28	34	90	51	65	38	1.1
-165				41	165	119	80		1.8
-SRC20- 90		20	34	40	90	53	65	42	1.2
-165				47	165	122	100		1.9

1. Use a carbide shank cutter within a tolerance of h6.
   For ※ models, use a carbide shank with a tolerance within h5.
2. Center through coolant supply is available with tools with oil holes.
3. Coolant pipe is not included. ☞ C65
4. H dimensions in ( ) are reference length up to the Coolant Pipe.

[Slim Type]

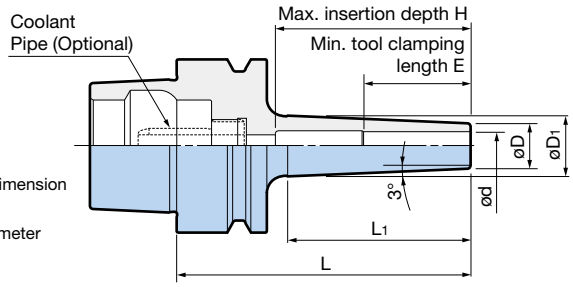
Center through

Clamping diameter ø4 -

● Model Description

HSK-E25 - SRC 4 S - 45

- HSK-E25: HSK Shank Type
- SRC: SHRINK CHUCK
- 4: Clamping diameter
- S: Slim Type
- 45: L dimension

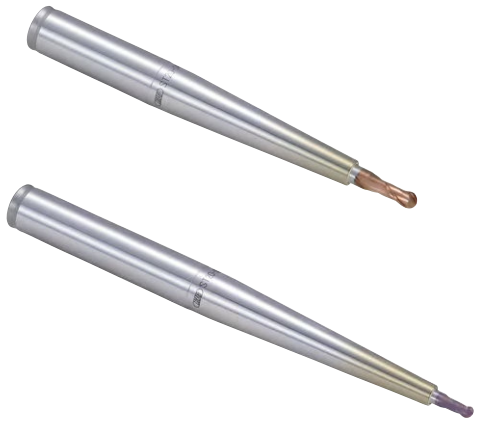


E Type (DIN 69893-5)

Model	Clamping diameter ød	øD	øD1	L	L1	H	E	Weight (kg)
HSK-E25-SRC 4S- 45 ※	4	7	10	45	29	18	16	0.06
-SRC 6S- 60	6	10	15	60	46	46	26	0.08
-SRC 8S- 60	8	13	18		48			0.10
HSK-E32-SRC 4S- 60 ※	4	7	10	60	33	18	16	0.14
-SRC 6S- 60	6	10	13.5		34	43	26	0.15
-SRC 8S- 60	8	13	16.5					0.16
-SRC10S- 60	10	16	20		36		32	0.18
-SRC12S- 60	12	19	23		37		35	0.19
HSK-E40-SRC 4S- 60 ※	4	7	10	60	34	44	16	0.22
-SRC 6S- 75	6	10	15	75	49	52	26	0.24
-SRC 8S- 75	8	13	18					0.26
-SRC10S- 75	10	16	21			56	32	0.29
-SRC12S- 75	12	19	24				36	0.31

1. Use a carbide shank cutter within a tolerance of h6.
   For ※ models, use a carbide shank with a tolerance within h5.
2. Center through coolant supply is available with tools with oil holes.
3. Always insert the cutting tool into the holder beyond the min. clamping length E.
4. Coolant pipe is not included. ☞C65

<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>



Clamping diameter ø4 -

Center through

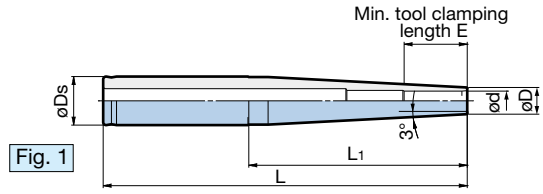


Fig. 1

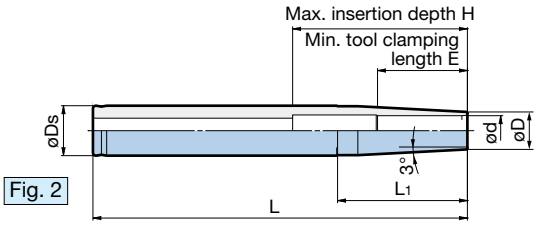


Fig. 2

● Model Description

ST20 - SRC 4 SS - 150 - K40

- K40: Stepped L1 dimension (Fig. 3 only)
- 150: L dimension
- SS: SUPER SLIM Type
- 4: Clamping diameter
- SRC: SHRINK CHUCK
- ST20: Cylindrical shank diameter

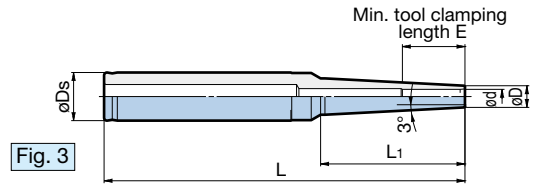


Fig. 3

SUPER SLIM Type

Model	Fig.	Clamping diameter ød	øD	øDs	L	L1	H	E	Weight (kg)
ST12-SRC 4SS-120 ※	1	4	7	12	120	51	—	16	0.10
-SRC 6SS-120	2	6	9			32	52	26	0.10
ST20-SRC 4SS-150-K40 ※	3	4	7	20	150	40	—	16	0.25
-SRC 6SS-150-K60		6	9	20	150	60	—	26	0.25
-200	1				200	110			0.30
-250					250				0.35
-SRC 8SS-150	1	8	11	20	150	90	—	26	0.25
-200					200				0.30
-250					250				0.40
-SRC10SS-150	2	10	13	20	150	71	60	32	0.25
-200					200				0.35
-250					250				0.40
-SRC12SS-150	2	12	15	20	150	52	70	36	0.25
-200					200				0.35
-250					250				0.45

1. Use a carbide shank cutter within a tolerance of h6.
   For ※ models, use a carbide shank with a tolerance within h5.
2. Center through coolant supply is available with tools with oil holes.

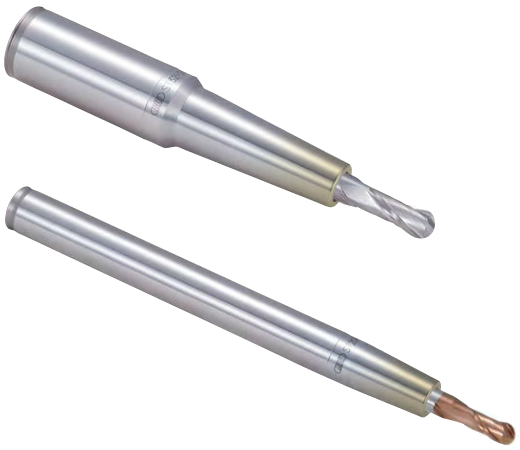
<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>

SHRINK CHUCK

Clamping diameter: ø12 - ø20

Clamping diameter ø12 -

Center through



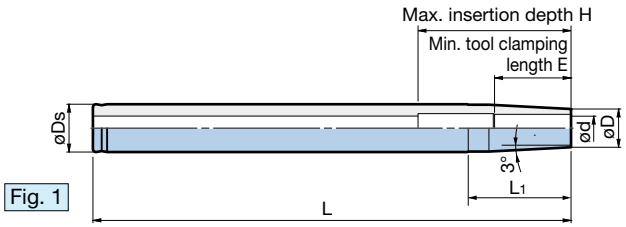


Fig. 1

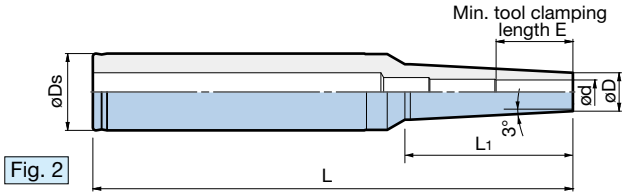


Fig. 2

● Model Description

ST32 - SRC 12 S - 150 - K70

- ST32: Cylindrical shank diameter
- SRC: SHRINK CHUCK
- 12: Clamping diameter
- S: Slim Type
- 150: L dimension
- K70: Stepped L1 dimension (Fig. 2 only)

Slim Type

Model	Fig.	Clamping diameter ød	øD	øDs	L	L1	H	E	Weight (kg)
ST32-SRC12S-150-K70	2	12	19	32	150	70	—	36	0.55
-200-K70					200				0.80
-300-K70					300				1.25
-SRC16S-150	1	16	24	32	150	83	70	38	0.60
-200					200		80		0.85
-300					300				1.30
-SRC20S-150	1	20	28	32	150	50	80	38	0.60
-200					200				0.85
-300					300				1.30

1. Use a carbide shank cutter within a tolerance of h6.
2. Center through coolant supply is available with tools with oil holes.

<Some shrink fit machines may not be compatible with the Shrink Chuck. Please refer to the shrink fit machine operation manual.>

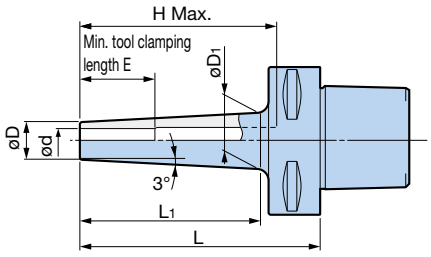
Center through

[Slim Type]

● Model Description

C6 - SRC 6 S - 120

- 120: L dimension
- S: Slim Type
- 6: Clamping diameter
- SRC: SHRINK CHUCK
- C6: Shank No.



C6

Model	Clamping diameter ød	øD	øD1	L	L1	E	H Max.	Weight (kg)
C6-SRC 6S-120	6	10	19.5	120	92	26	111	1.2
-165			24	165	133		156	1.4
-SRC 8S-120	8	13	22.5	120	92	26	111	1.3
-165			27	165	133		156	1.5
-SRC10S-120	10	16	25.5	120	92	32	111	1.3
-165			30.5	165	135		156	1.5
-SRC12S-120	12	19	28.5	120	92	36	111	1.4
-165			33	165	135		156	1.6

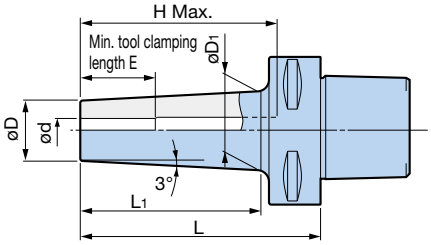
1. Use a carbide shank cutter within a tolerance of h6. HSS tools cannot be used.

[Standard Type]

● Model Description

C6 - SRC 6 - 90

- 90: L dimension
- 6: Clamping diameter
- SRC: SHRINK CHUCK
- C6: Shank No.



C6

Model	Clamping diameter ød	øD	øD1	L	L1	E	H Max.	Weight (kg)
C6-SRC 6- 90	6	14	20.5	90	63	26	81	1.2
-SRC 8- 90	8	18	24.5	90	63	26		1.3
-SRC10- 90	10	22	28.5	90	63	32		1.3
-SRC12- 90	12	24	30.5	90	63	36		1.4
-SRC16- 90	16	28	34.5	90	63	38		1.4
-165			42.5	165	138		80	2.1
-SRC20- 90	20	34	40.5	90	63	42	80	1.5
-165			48.5	165	138		100	2.5

1. Use a carbide shank cutter within a tolerance of h6. HSS tools cannot be used.