BIG DAISHOWA

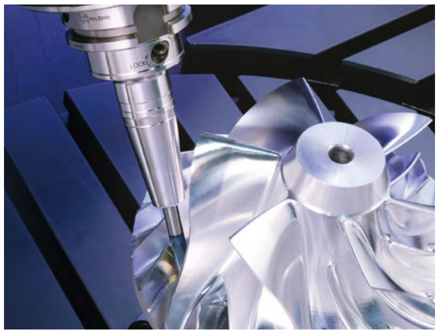
HYDRAULIC CHUCK PAT.

BIG-PLUS SPINDLE SYSTEM DUAL CONTACT

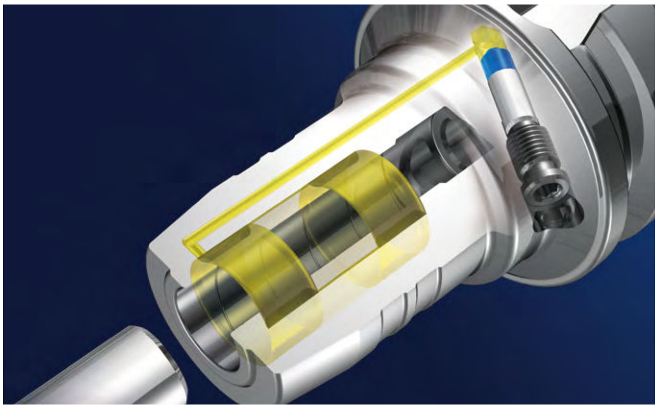
- BBT SHANK A13
- BDV SHANK B9
- HSK SHANK C12
- ST SHANK D2
- BIG CAPTO SHANK E40
- For N/C Lathes F5

Runout accuracy within 3 microns

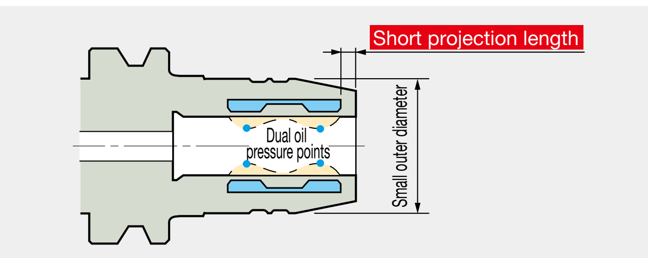
- **Supports high runout accuracy for machining with endmills, carbide drills and burnishing reamers.**
- **Enhanced lineup of a range of clamping diameters and length variations.**



Internal structure with increased accuracy and rigidity



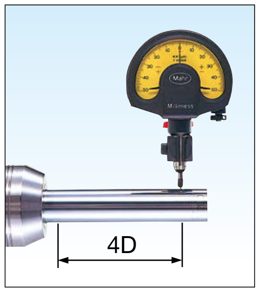
The integrated structure of the body and clamp sleeve gives greater rigidity and achieves better accuracy compared to the traditional two-part construction sealed with O-rings. 2-point tightening with dual hydraulic chambers and a short overhang area where the tool is not clamped give improved runout accuracy.



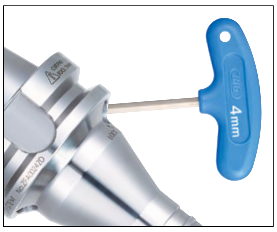
Runout accuracy within 3μm

High precision runout accuracy within 3μm at 4D. High runout accuracy improves the workpiece surface finish and extends tool life.

High precision runout accuracy within **3μm**
(center alignment repeatability within 1.5μm)



Easy to attach and remove with one wrench



The cutting tool can be clamped or unclamped easily and securely with just one wrench.

Complete sealing mechanism prevents oil-leaks

Specially selected material and shape of the hydraulic plunger seal prevents leakage of oil and decrease in gripping force. The complete seal design avoids minute cutting particles of graphite or ceramics from entering into the toolholder. This enables usage on tool grinding machines.

Advice

No matter how high precision the holder is, if oil or dust is adhered to the inside of the holder then it is impossible to utilize its full capacity.
Ensure to clean the inner periphery of the Hydraulic Chuck before clamping tools.

HYDRAULIC CHUCK

For versatile high-precision machining including molds and automotive components.

- Slim design minimizes workpiece interference, ideal for mold making.

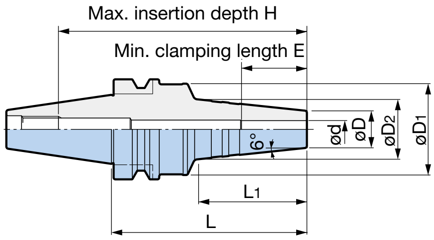
DUAL CONTACT BIG-PLUS® Center through

[SUPER SLIM Type PAT.] Clamping diameter: ø3 - ø12

● Model Description

BBT30 - HDC 3 S - 90

- L dimension
- SUPER SLIM Type
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.



BBT30

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	øD2	L	L1	H	E	Weight (kg)
BBT30-HDC 3S- 90※	3	14	42	25	90	50	(113)	16	0.65
-HDC 4S- 60	4		46	20	60	28	(84)	19	0.51
- 90			42	25	90	50	(113)		0.65
-HDC 5S- 90	5							22	0.65
-HDC 6S- 90	6							25	0.65
-HDC 8S- 90	8	17		28				31	0.67
-HDC10S- 90	10	19	44	30				33	0.70
-HDC12S- 90	12	21	46	32			113	36	0.72

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.

※ For center through use, some coolant may leak from the inner diameter slits.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Jet Through Type PAT.] Clamping diameter: ø4 - ø20

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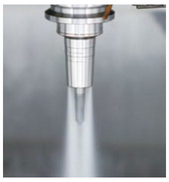


● Model Description

BBT30 - HDC 4 J - 60

- L dimension
- Jet Through Type
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.

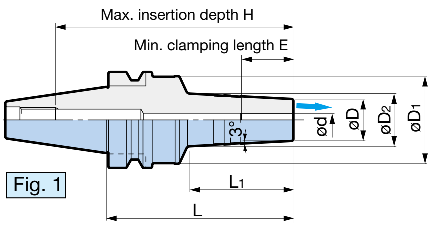


Fig. 1

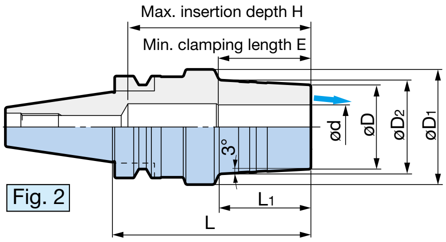


Fig. 2

BBT30

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	øD2	L	L1	H	E	Weight (kg)
BBT30-HDC 4J- 60	1	4	20	46	23	60	28	(84)	19	0.54
-HDC 6J- 90		6		42	26	90	50	(113)	25	0.69
-HDC 8J- 90		8	22		28				31	0.71
-HDC10J- 90		10	24	44	30				33	0.74
-HDC12J- 90		12	26	46	32			113	36	0.76
-HDC16J- 90		16	34		40		49	100	43	0.86
-HDC20J- 90	2	20	38	52	43		40	83		0.96

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.
3. HDC4J to 12J models allow jet through to be switched to center through by assembling the accessory plug.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Standard Type]

DUAL CONTACT BIG-PLUS®

Center through

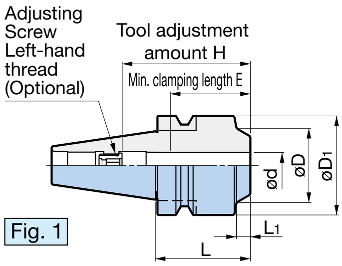


Fig. 1

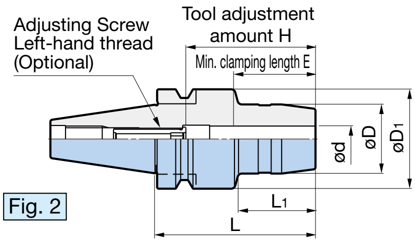


Fig. 2

● Model Description

BBT30 - HDC 6 - 45

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

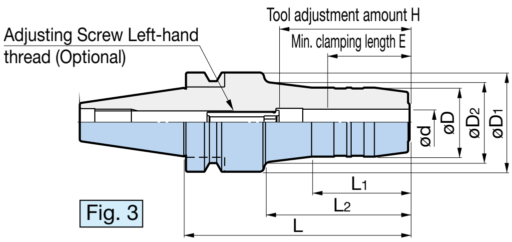


Fig. 3

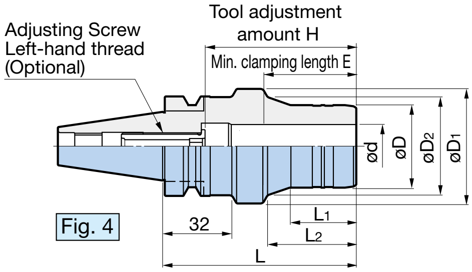


Fig. 4

BBT30

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	øD2	L	L1	L2	H	E	Adjusting Screw (Optional)	Weight (kg)
BBT30-HDC 6- 45	1	6	30	46	—	45	7	—	35 - 50	28	HDA 6-05020	0.61
- 75	2		26			75	40		28 - 50		HDA 6-05032	0.67
- 90	3				31	90	43	57				0.74
-105						105		72				0.82
-HDC 7- 75	2	7	27	46	—	75	41	—	28 - 50	28	HDA 6-05032	0.68
-HDC 8- 45	1	8	32	46	—	45	7	—	35 - 50	28	HDA 8-06020	0.61
- 75	2		28			75	41		28 - 50		HDA 8-06032	0.69
- 90	3				33	90	44	57				0.76
-105						105		72				0.84
-HDC 9- 75	2	9	29	46	—	75	41	—	28 - 50	28	HDA 8-06032	0.69
-HDC10- 45	1	10	34	46	—	45	7	—	45 - 55	33	HDA10-08015	0.60
- 75	2		30			75	36		33 - 55		HDA10-08032	0.74
- 90	3				33	90	45	51				0.82
-105					36	105		66				0.91
-HDC11- 90	3	11	31	46	34	90	51	45	33 - 55	33	HDA10-08032	0.83
-HDC12- 45	1	12	36	46	—	45	7	—	55 - 60	38	HDA12-10010 ●	0.58
- 75	2		32			75	36		38 - 60		HDA12-10032	0.75
- 90	3				35	90	45	51				0.83
-105					38	105		67				0.94
-HDC13- 90	3	13	33	46	36	90	45	51	38 - 60	38	HDA12-10032	0.84
-HDC14- 90	3	14	34	46	37	90	46	52	38 - 60	38	HDA12-10032	0.85
-HDC15- 90	2	15	37	46	—	90	47	—	43 - 70	43	HDA16-12037	0.89
-HDC16- 45▲	1	16	42	46	—	45	7	—	70	43	—	0.55
- 75	2		38			75	35		43 - 70		HDA16-12030	0.77
- 90	3					90	47				HDA16-12037	0.90
-105						105						1.06
-HDC18- 90	4	18	36	51	44	90	31	41	43 - 70	43	HDA16-12037	0.94
-HDC20- 60※	4	20	38	53	—	60	—	14	43 - 54	43	HDA16-12030	0.77
- 75					46	75	16	26	46 - 70			0.85
- 90						90	31	41	43 - 70		HDA16-12037	0.96
-105	3			46	—	105	40	—				1.02
-HDC25-105	4	25	55	63	—	105	44	—	52 - 80	52	HDA25-16039	1.60
-HDC32-105	4	32	60	75	—	105	39	—	56 - 80	56	HDA25-16039	1.77

1. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
2. Model with ▲ indication cannot use an Adjusting Screw.
   Model with ※ indication cannot use a Straight Collet.
3. Adjusting screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well.
   Add the letter **"W"** at the end of the model number when ordering. (e.g. HDA6-05020W)
   The above type is not available for the HDA12-10010 marked with ●.

For Straight Collets, G18

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Clamping diameter: ø3 - ø12

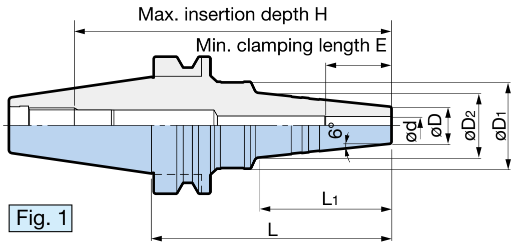
For versatile high-precision machining including molds and automotive components.

- Slim design minimizes workpiece interference, ideal for mold making.

DUAL CONTACT BIG-PLUS®

Center through

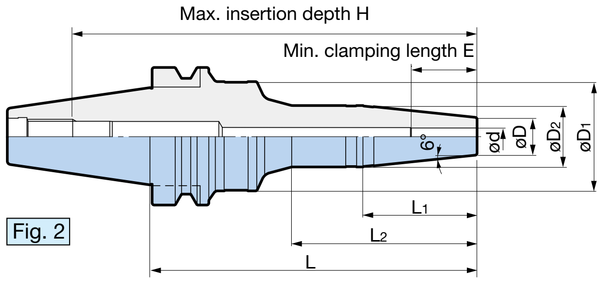
[SUPER SLIM Type PAT.**]**



- Model Description

BBT40 - HDC 3 S - 90

- L dimension
- SUPER SLIM Type
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.



BBT40

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

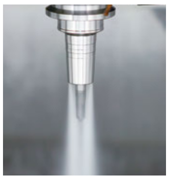
BIG-PLUS BBT SHANK Model	Fig.	Clamping diameter ød	øD	$øD_1$	$øD_2$	L	L_1	L_2	H	E	Weight (kg)
BBT40-HDC 3S- 90	1	3	14	38	24	90	44	–	(125)	16	1.3
-HDC 4S- 60	1	4	14	38	19	60	22	–	(95)	19	1.2
- 90					24	90	45		(125)		1.3
-135	2			44	26	135	57	84	(170)		1.4
-HDC 6S-110	1	6	14	38	27	110	60	–	(145)	25	1.3
-150	2			48	26	150	57	85	(185)		1.6
-HDC 8S-110	1	8	17	40	30	110	60	–	(145)	31	1.4
-150	2			50	28	150	52	85	(185)		1.7
-HDC10S-110	1	10	19	42	32	110	60	–	(145)	33	1.4
-150	2			50	30	150	52	85	(185)		1.7
-HDC12S-110	1	12	21	44	34	110	60	–	(145)	36	1.4
-150	2			50	32	150	52	85	(185)		1.8

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Jet Through Type PAT.]



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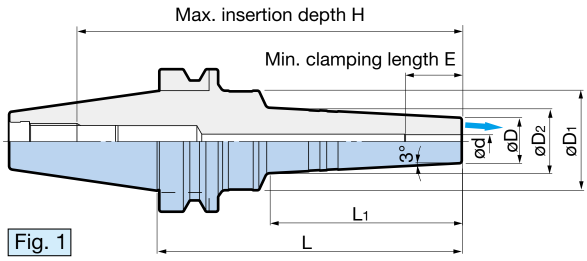

Fig. 1

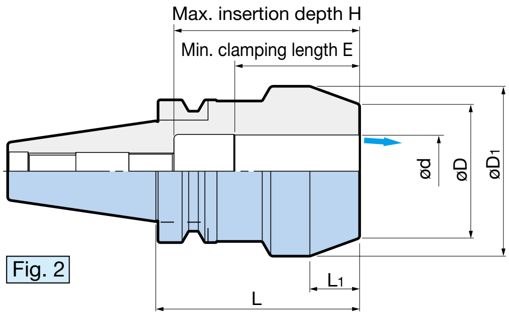

Fig. 2

● Model Description

BBT40 - HDC 4 J - 90

- L dimension (90)
- Jet Through Type (J)
- Clamping diameter (4)
- HYDRAULIC CHUCK (HDC)
- BIG-PLUS BT No. (BBT40)

BBT40

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	øD2	L	L1	H	E	Weight (kg)
BBT40-HDC 4J- 90	1	4	20	38	25	90	45	(125)	19	1.3
-135				44	30	135	85	(170)		1.5
-HDC 6J- 90		6	20	38	25	90	45	(125)	25	1.3
-135				44	29	135	85	(170)		1.5
-HDC 8J- 90		8	22	40	27	90	45	(125)	31	1.3
-135				46	31	135	85	(170)		1.6
-HDC10J- 90		10	24	42	29	90	45	(125)	33	1.3
-135				48	33	135	85	(170)		1.6
-HDC12J- 90		12	26	44	31	90	45	(125)	36	1.3
-135				50	35	135	85	(170)		1.7
-HDC16J- 90		16	34	46	40	90	46	125	43	1.4
-135				50	44	135	89	170		1.9
-HDC20J- 90		20	38	48	44	90	47	110	43	1.5
-135				53	48	135	90	155		2.0
-HDC25J- 90		25	51	63	56	90	41	105	49	1.9
-HDC32J- 90	2	32	59	75	—		20	82	56	2.3

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.
3. HDC4J to 12J models allow jet through to be switched to center through by assembling the accessory plug.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Clamping diameter: ø6 - ø20

[Standard Type]

DUAL CONTACT BIG-PLUS®

Center through

● Model Description

BBT40 - HDC 6 - 60
- L dimension
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.

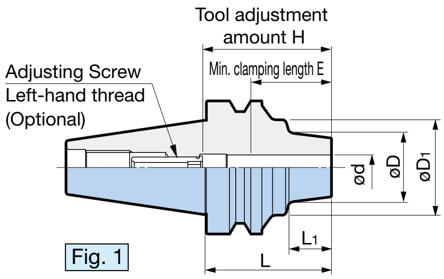

Fig. 1

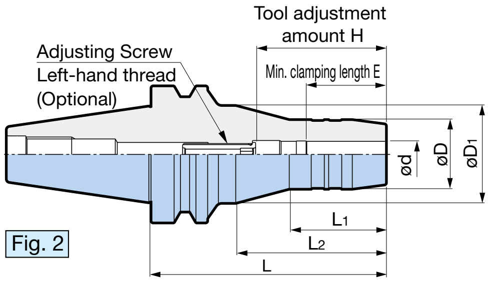

Fig. 2

BBT40

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	L2	H	E	Adjusting Screw (Optional)	Weight (kg)
BBT40-HDC 6- 60	1		27		60	19	–				1.2
- 90					90		50				1.4
-110	2	6	26	45	110	44	70	28 - 50	28	HDA 6-05032	1.5
-135					135		95				1.7
-165					165		119				1.9
-HDC 7- 90	2	7	27	45	90	44	50	28 - 50	28	HDA 6-05032	1.3
-HDC 8- 60	1		29		60	19	–				1.2
- 90					90		50				1.4
-110	2	8	28	45	110	44	70	28 - 50	28	HDA 8-06032	1.5
-135					135		95				1.7
-165					165		119				2.0
-HDC 9- 90	2	9	29	45	90	45	50	28 - 50	28	HDA 8-06032	1.4
-HDC10- 60	1		31		60	20	–				1.2
- 90					90		50				1.4
-110	2	10	30	45	110	45	70	33 - 55	33	HDA10-08032	1.5
-135					135		95				1.7
-165					165		119				2.0
-HDC11- 90	2	11	31	45	90	45	50	33 - 55	33	HDA10-08032	1.4

1. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well. Add the letter **"W"** at the end of the model number when ordering. (Example: HDA6-05032W)

For ød = 19, 22, 24, 28, 31, A70

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

BBT40

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	L_1	L_2	H	E	Adjusting Screw (Optional)	Weight (kg)
BBT40-HDC12- 60	1	12	33	45	60	20	—	38 - 60	38	HDA12-10032	1.2
- 90	2		32		90	45	49				1.4
-110					110		69				1.6
-135					135		94				1.8
-165					165		119				2.0
-HDC13- 90	2	13	33	45	90	45	49	38 - 60	38	HDA12-10032	1.4
-HDC14- 90	2	14	34	45	90	46	49	38 - 60	38	HDA12-10032	1.4
-110					110		69				1.6
-135					135		94				1.8
-HDC15- 90	2	15	37	45	90	47	49	43 - 70	43	HDA16-12037	1.4
-HDC16- 75	2	16	38	45	75	35	36	43 - 70	43	HDA16-12037	1.3
- 90					90	47	49				1.4
-110					110		69				1.6
-135					135		94				1.9
-165				50	165		119				2.3
-HDC18- 90	2	18	40	45	90	48	49	43 - 70	43	HDA16-12037	1.5
-110					110		69				1.6
-135					135		94				1.9
-HDC20- 90	2	20	42	45	90	48	50	43 - 70	43	HDA16-12037	1.4
-110				50	110		70				1.7
-135					135		95				2.0
-165					165		119				2.4

1. Adjusting Screw **with hexagon sockets on both sides** is available, allowing adjustment from the shank side as well. Add the letter **“W”** at the end of the model number when ordering. (Example: HDA6-05032W)

For ød = 19, 22, 24, 28, 31, **A70**

For Straight Collets, **G18**

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Clamping diameter: ø20 - ø32

[High Rigidity Type]

● Substantial body design to allow high-feed endmilling, achieving highly reliable machining.

DUAL CONTACT BIG-PLUS®

Center through

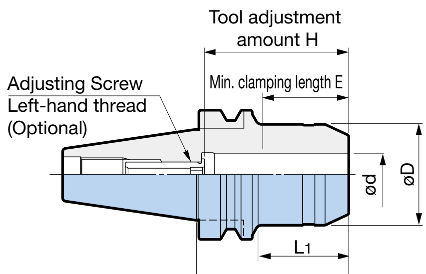

Fig. 1

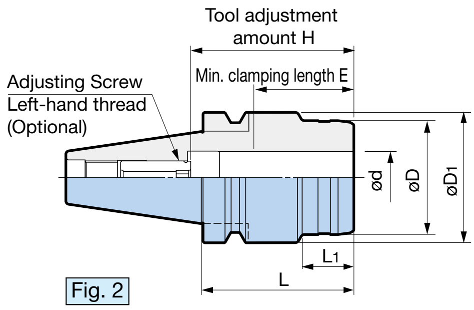

Fig. 2

● Model Description

BBT40 - HDC 20 E - 75

- L dimension (75)
- High Rigidity Type (E)
- Clamping diameter (20)
- HYDRAULIC CHUCK (HDC)
- BIG-PLUS BT No. (BBT40)

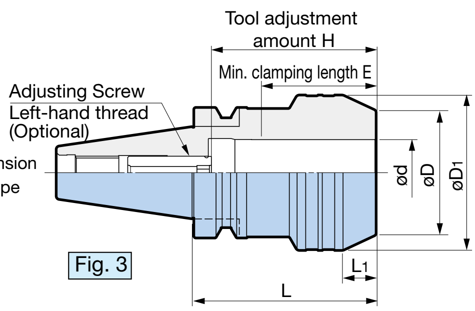

Fig. 3

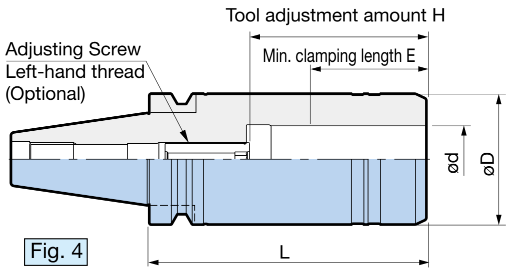

Fig. 4

BBT40

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	Adjusting Screw (Optional)	Weight (kg)
BBT40-HDC20E- 75	1	20	49.2	—	75	45	43 - 70	43	HDA16-12037	1.4
-HDC25E- 75	2	25	55	63	75	25	52 - 80	52	HDA25-16033	1.8
-110					110				HDA25-16039	2.4
-135					135					3.0
-165					165					3.6
-HDC32E- 90	3	32	60	75	90	16	56 - 80.5	56	HDA25-16039	2.2
-110	2		63		110	34	56 - 85			2.6
-135	4		62.9	—	135	—				2.8
-165					165					3.4

1. Tool adjustment amount “H” indicates the adjustment length with an Adjusting Screw.
2. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well.
   Add the letter **“W”** at the end of the model number when ordering. (Example: HDA16-12037W)

For Straight Collets, G18

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[SUPER SLIM Type PAT.] Clamping diameter: ø4 - ø12

SUPER SLIM

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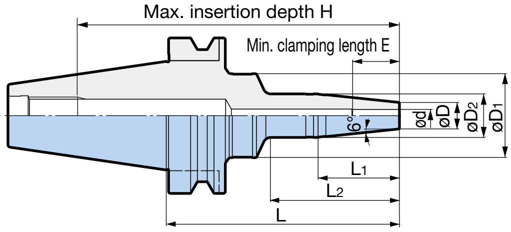
Center through

● Model Description

BBT50 - HDC 4 S - 150
- L dimension
- SUPER SLIM Type
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.



BBT50

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	øD2	L	L1	L2	H	E	Weight (kg)
BBT50-HDC 4S-150	4	14	52	26	150	57	83	(207)	19	4.2
-HDC 6S-150	6	14	52	26	150	57	83	(207)	25	4.2
-200			56		200		100	(257)		4.6
-HDC 8S-150	8	17	54	28	150	52	83	(207)	31	4.3
-200			58		200		100	(257)		4.7
-HDC10S-150	10	19	56	30	150		83	(207)	33	4.3
-200			60		200		100	(257)		4.8
-HDC12S-150	12	21	58	32	150		83	(207)	36	4.4
-200			62		200		100	(257)		4.8

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Jet Through Type PAT.] Clamping diameter: ø6 - ø32

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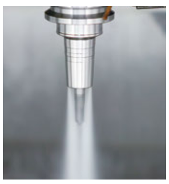


● Model Description

BBT50 - HDC 6 J - 120
- L dimension
- Jet Through Type
- Clamping diameter
- HYDRAULIC CHUCK
- BIG-PLUS BT No.

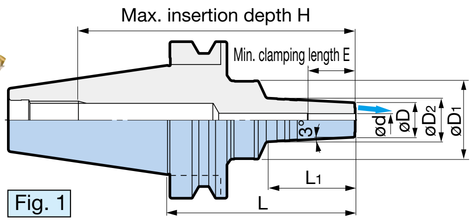


Fig. 1

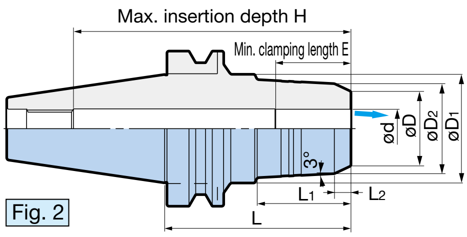


Fig. 2

BBT50

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	øD2	L	L1	L2	H	E	Weight (kg)
BBT50-HDC 6J-120	1	6	20	48	26	120	55	–	(177)	25	4.1
-HDC 8J-120		8	22	50	28					31	4.1
-HDC10J-120		10	24	52	30					33	4.2
-HDC12J-120		12	26	54	32					36	4.2
-HDC16J-120		16	34	58	41		56			43	4.4
-HDC20J-120		20	38	62	45						4.5
-HDC25J-120	2	25	48	70	58		59	10	177	49	5.2
-HDC32J-120		32	58	78	67		60	9		56	5.6

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.
3. HDC6J to 12J models allow jet through to be switched to center through by assembling the accessory plug.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

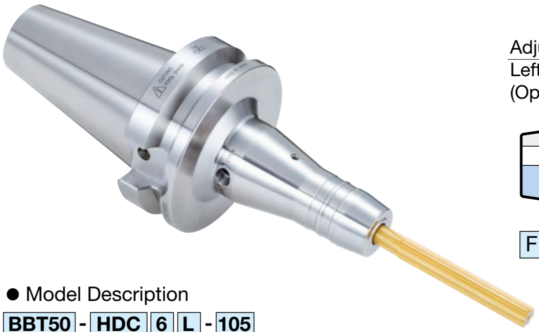
HYDRAULIC CHUCK

Clamping diameter: ø6 - ø42

[Standard Type]

DUAL CONTACT BIG-PLUS®

Center through



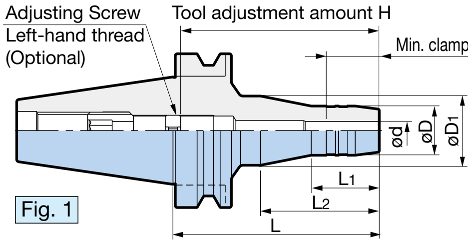


Fig. 1

● Model Description

BBT50 - HDC 6 L - 105

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

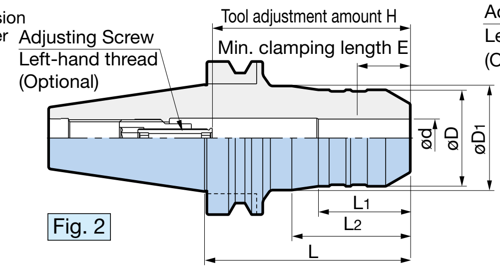


Fig. 2

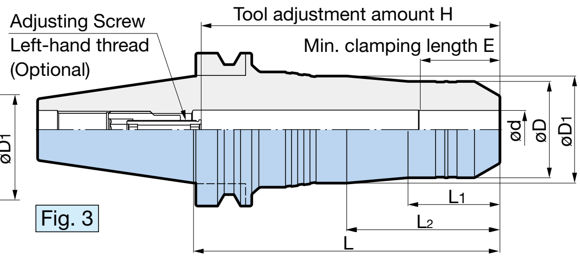


Fig. 3

BBT50

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	L2	H	E	Maximum insertion depth	Adjusting Screw (Optional)	Weight (kg)
BBT50-HDC 6L-105	1	6	26	45	105	44	48	80 - 120	28	165	HDA6-20010	4.2
-135					135		78	110 - 150		195		4.3
-150					150		93	125 - 165		210		4.4
-165					165		108	140 - 180		225		4.5
-HDC 8L-105	1	8	28	45	105	45	48	80 - 120	28	165	HDA6-20010	4.2
-135					135		78	110 - 150		195		4.4
-150					150		93	125 - 165		210		4.5
-165					165		108	140 - 180		225		4.6
-HDC10L-105	1	10	30	45	105	45	48	80 - 120	33	165	HDA6-20010	4.2
-135					135		78	110 - 150		195		4.4
-150					150		93	125 - 165		210		4.5
-165					165		108	140 - 180		225		4.7
-HDC12L-105	1	12	32	45	105	45	48	80 - 120	38	165	HDA6-20010	4.2
-135					135		78	110 - 150		195		4.4
-150					150		93	125 - 165		210		4.6
-165					165		108	140 - 180		225		4.7
-HDC16L- 90	2	16	38	47	90	40	43	56 - 96	43	150	HDA20-12047	4.1
-105	1				105	47	48	80 - 120		165	HDA6-20010	4.3
-135					135	48	78	110 - 150		195		4.6
-150					150		93	125 - 165		210		4.7

1. In the use of the Adjusting Screw in BBT50 series, please contact BIG agent because a guide screw needs to be set separately.
2. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
3. Maximum insertion depth is the depth when Adjusting Screw is not used.

For Straight Collets, G18
For ød = 19, 22, 24, 28, 31, A70

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

BBT50

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	L2	H	E	Maximum insertion depth	Adjusting Screw (Optional)	Weight (kg)
BBT50-HDC20L- 90	2	20	42	50	90	45	—	56 - 96	43	150	HDA20-12047	4.2
-105					105	47	48	71 - 111		165		4.4
-135					135	48	78	101 - 141		195		4.7
-150					150		93	116 - 156		210		4.8
-200	3				200	48	102	166 - 206		260		5.5
-250					250			216 - 256		310		6.0
-HDC25L- 90	2	25	63	—	90	45	—	56 - 96	52	113	HDA20-12047	4.7
-105					105	60		71 - 111		128		5.0
-135				68	135		78	101 - 141		158		5.7
-150				70	150		92	116 - 156		173		6.1
-200	3				200	60	100	166 - 200		200		7.5
-250※					250			—			—	9.1
-HDC32L- 90	2	32	72	—	90	47	—	56 - 96	56	112	HDA20-12047	4.7
-105					105	62		71 - 111		127		5.1
-135				78	135	60	78	101 - 141		157		6.0
-165				80	165		108	131 - 171		187		6.9
-200	3				200	60	100	166 - 200		200		8.4
-250※					250			—			—	10.8
-HDC42L-110	2	42	96	—	110	72	—	76 - 116	65	132	HDA20-12047	6.1

1. In the use of the Adjusting Screw in BBT50 series, please contact BIG agent because a guide screw needs to be set separately.
   ※ marked models cannot be used with Adjusting Screws.
2. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
3. Maximum insertion depth is the depth when Adjusting Screw is not used.

For Straight Collets, **G18**
For ød = 19, 22, 24, 28, 31, **A70**

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (i.e.: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

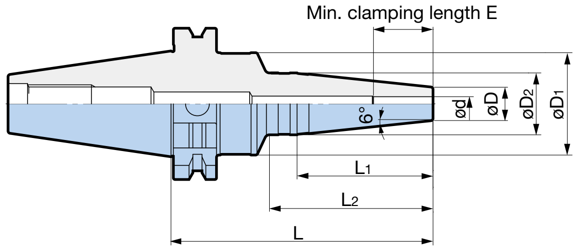
For versatile high-precision machining including molds and automotive components.

● Slim design minimizes workpiece interference, ideal for mold making.

DUAL CONTACT BIG-PLUS®

Coolant-through hole

[SUPER SLIM Type PAT.] Clamping diameter: ø4 - ø12



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

BIG-PLUS BDV SHANK Model	Clamping diameter ød	øD	øD1	øD2	L	L1	L2	E	Weight (kg)
BDV40-HDC 4S-110	4	14	43	26	110	57	68	19	1.2
-HDC 6S-110	6							25	
-HDC 8S-110	8	17		28		52	69	31	1.3
-HDC10S-110	10	19	44	30				33	
-HDC12S-110	12	21		32			70	36	

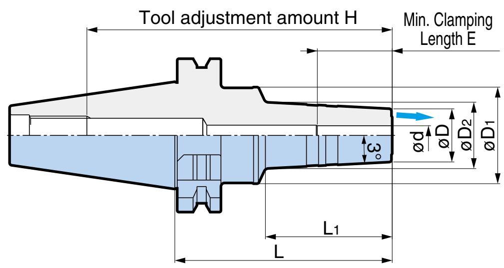
1. Adjusting Screw cannot be used.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Jet Through Type PAT.] Clamping diameter: ø4 - ø12

Coolant-through hole



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

BIG-PLUS BDV SHANK Model	Clamping diameter ød	øD	øD1	øD2	L	L1	H	E	Weight (kg)
BDV40-HDC 4J- 90	4	20	38	25	90	50	(125)	19	1.1
-HDC 6J- 90	6							25	
-HDC 8J- 90	8	22	40	27		52		31	1.2
-HDC10J- 90	10	24	42	29				33	
-HDC12J- 90	12	26	44	31				36	

1. Adjusting Screw cannot be used.
2. H dimensions in ( ) are reference length up to the PULLSTUD BOLT.
3. For center through use, some coolant may leak from the inner diameter slits.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

DUAL CONTACT BIG-PLUS®

Coolant-through hole

[Standard Type] Clamping diameter: ø6 - ø20

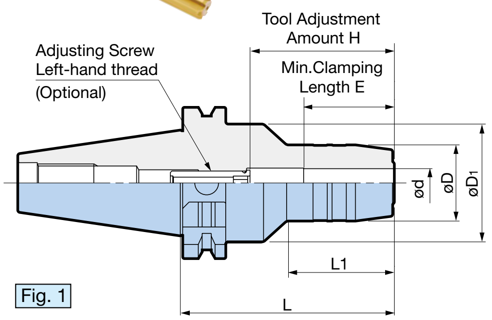


Fig. 1

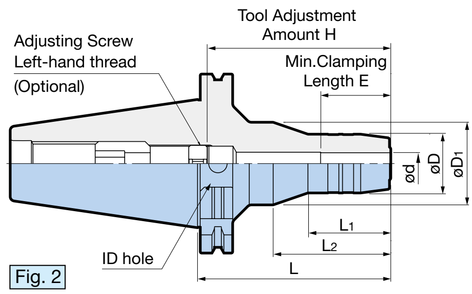


Fig. 2

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

BIG-PLUS BDV SHANK Model	Fig.	ød	øD	$øD_1$	L	L_1	L_2	H	E	Adjusting Screw (Optional)	Weight (kg)
BDV40-HDC 6 - 90	1	6	26	49.5	90	43	–	28 - 50	28	HDA 6-05032	1.3
-HDC 8 - 90		8	28							HDA 8-06032	
-HDC10 - 90		10	30			44		33 - 55	33	HDA10-08032	
-HDC12 - 90		12	32					38 - 60	38	HDA12-10032	
-HDC14 - 90		14	34								
-HDC16 - 90		16	38			47		43 - 70	43	HDA16-12037	1.4
-HDC18 - 90		18	40			49					
-HDC20 - 90		20	42			51					
BDV50-HDC12L-105	2	12	32	45	105	44	63	100 - 120	38	HDA 6-20010	3.2
-HDC20L-105		20	42	50		46	63	71 - 111	43	HDA20-12047	3.3

1. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well. Add the letter **"W"** at the end of the model number when ordering. (Example: HDA6-05032W)

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

For versatile high-precision machining including molds and automotive components.

●Slim design minimizes workpiece interference, ideal for mold making.

Center through

[SUPER SLIM Type PAT.]

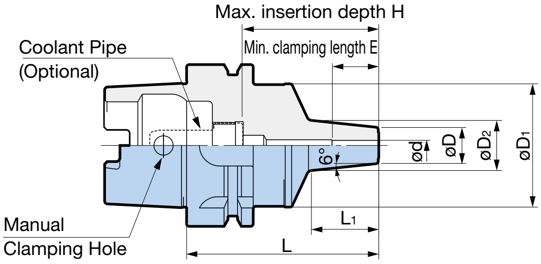


Fig. 1

● Model Description

HSK-A40 - HDC 4 S - 65

- L dimension
- SUPER SLIM Type
- Clamping diameter
- HYDRAULIC CHUCK
- HSK Shank Type

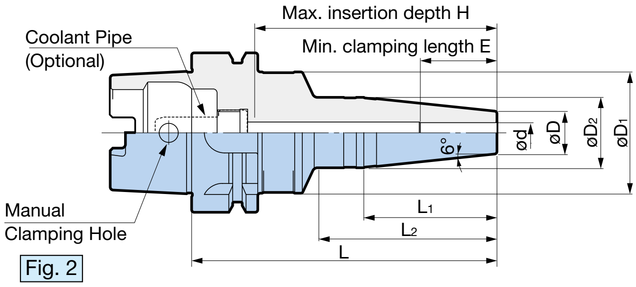


Fig. 2

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

Model	Fig.	Clamping diameter ød	øD	øD1	øD2	L	L1	L2	H	E	Weight (kg)
HSK-A40-HDC 4S- 65	1	4	14	33	21	65	28	—	49	19	0.33
HSK-A50-HDC 4S- 75	1	4	14	40	21	75	31	—	55	19	0.8
HSK-A63-HDC 3S- 90	1	3	14	48	24	90	43	—	68	16	1.1
-HDC 4S- 75		4			20	75	26		53	19	1.0
-120	2				26	120	57	72	98		1.1
-HDC 6S-120		6						70	98	25	
-150						150		85	128		1.3
-HDC 8S-120		8	17		28	120	52	70	95	31	1.2
-150						150		85	125		1.3
-HDC10S-120		10	19		30	120		70	94	33	1.2
-150						150		87	124		1.4
-HDC12S-120		12	21		32	120		70	93	36	1.2
-150						150		87	123		1.4

1. Adjusting Screw cannot be used.
2. Coolant pipe is not included. C65

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Clamping diameter: ø4 - ø32

For versatile high-precision machining including molds and automotive components.

Center through

●Slim design minimizes workpiece interference, ideal for mold making.

[Jet Through Type PAT.]

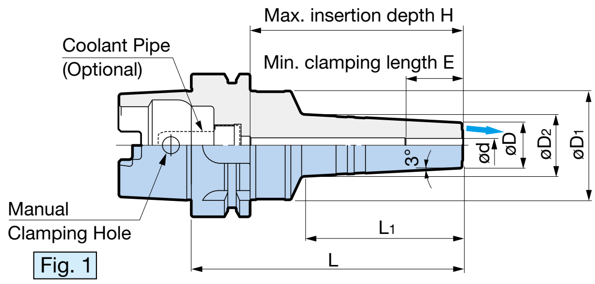


Fig. 1

● Model Description

HSK-A63 - HDC 4 J - 75

- L dimension (75)
- Jet Through Type (J)
- Clamping diameter (4)
- HYDRAULIC CHUCK (HDC)
- HSK Shank Type (HSK-A63)

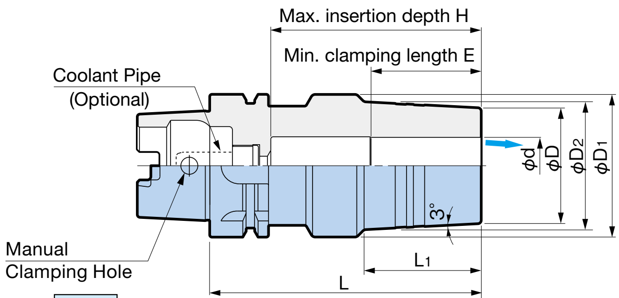


Fig. 2

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

Model	Fig.	Clamping diameter ød	øD	øD1	øD2	L	L1	H	E	Weight (kg)
HSK-A63-HDC 4J- 75	1	4	20	48	23	75	29	53	19	1.0
-HDC 6J-120		6			28	120	70	98	25	1.2
-HDC 8J-120		8	22		30			95	31	1.2
-HDC10J-120		10	24		32			94	33	1.3
-HDC12J-120		12	26		34			93	36	1.3
-HDC16J-120		16	34		43		76	92	43	1.5
-HDC20J-120		20	38					91		1.5
-HDC25J-120	2	25	51	63	57		50	93	49	2.1
-HDC32J-120		32	60	69	-		53		56	2.3

1. Adjusting Screw cannot be used.
2. Coolant pipe is not included. C65
3. HDC4J to 12J models allow jet through to be switched to center through by assembling the accessory plug.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

[Standard Type]

Center through

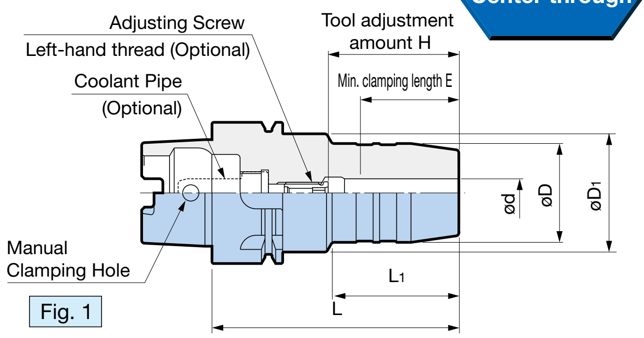


Fig. 1

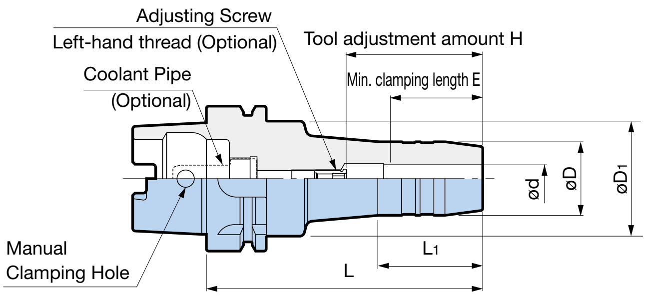


Fig. 2

● Model Description

HSK-A40 - HDC 6 - 70

- 70: L dimension
- 6: Clamping diameter
- HDC: HYDRAULIC CHUCK
- HSK-A40: HSK Shank Type

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

Model	Fig.	Clamping diameter ød	øD	øD1	L	L1	H	E	Adjusting Screw (Optional)	Weight (kg)
HSK-A40-HDC 6- 70	1	6	26	34	70	36	28 - 36	28	HDA 6-05013	0.47
-HDC 8- 70		8	28						HDA 8-06013	0.48
-HDC10- 75		10	30		75	41	33 - 41	33		0.50
-HDC12- 80		12	32		80	46	38 - 45	38		0.55
HSK-A50-HDC 6- 75	1	6	26	42	75	32	28 - 37	28	HDA 6-05013	0.7
-HDC 8- 75		8	28						HDA 8-06013	0.7
-HDC10- 80		10	30		80	37	33 - 41	33	HDA10-08015	0.7
-HDC12- 85		12	32		85	42	38 - 46	38		0.8
-HDC16- 90 ▲		16	38		90	48	43 - 51	43		0.9
-HDC20- 90 ▲		20	42	—		64				0.9
-HDC25- 90 ※▲		25	55	63		23	62	52	—	1.3
HSK-A63-HDC 6- 70 ※	2	6	26	50	70	24	46	28	—	1.0
-120					120	44	28 - 48		HDA 6-05032	1.2
-150					150					1.4
-HDC 7-120		7	27		120					1.3
-HDC 8- 70 ※		8	28		70	24	46		-	1.0
-120					120	44	28 - 48		HDA 8-06032	1.3
-150					150					1.5
-HDC 9-120		9	29		120					1.3
-HDC10- 80 ※		10	30		80	35	55	33	-	1.1
-120					120	45	33 - 53		HDA10-08032	1.3
-150					150					1.6
-HDC11-120		11	31		120					1.4
-HDC12- 85 ※		12	32		85	40	60	38	-	1.1
-120					120	45	38 - 58		HDA12-10025	1.4
-150					150					1.6

1. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
   ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank depth that can be inserted into the holder.
2. Models with ▲ indication cannot use a Straight Collet.
3. Coolant pipe is not included. C65
4. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well.
   Add the letter **"W"** at the end of the model number when ordering. (Example: HDA6-05013W)

For HSK-A63-HDC13 and beyond, refer to the next page →

For Straight Collets, G18

Caution

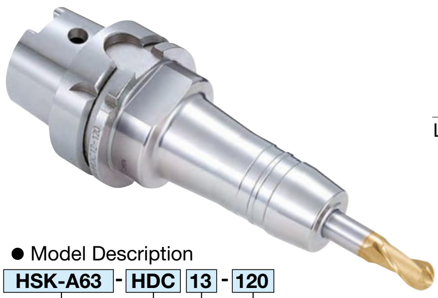
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Clamping diameter: ø6 - ø32

[Standard Type]

Center through



● Model Description

HSK-A63 - HDC 13 - 120

- L dimension
- Clamping diameter
- HYDRAULIC CHUCK
- HSK Shank Type

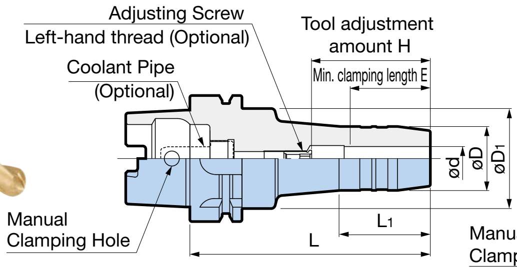


Fig. 1

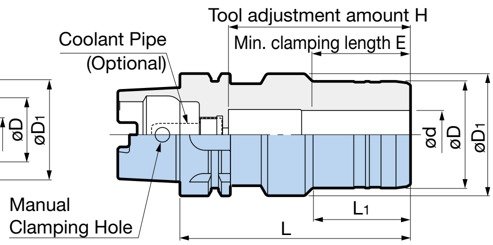


Fig. 2

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

Model	Fig.	Clamping diameter ød	øD	øD1	L	L1	H	E	Adjusting Screw (Optional)	Weight (kg)
HSK-A 63-HDC13-120	1	13	33	50	120	45	38 - 58	38	HDA12-10025	1.4
-HDC14- 85 ※		14	34		85	40	60		—	1.2
-120					120	45	38 - 58		HDA12-10025	1.4
-150					150					1.7
-HDC15-120		15	37		120		58 - 68	43	HDA16-12015	1.5
-HDC16- 90 ※		16	38		90	46	65	43	—	1.3
-120					120		58 - 68		HDA16-12015	1.5
-150					150		43 - 68		HDA16-12037	1.9
-HDC18- 90 ※		18	40		90	46	65		—	1.3
-120					120		58 - 68		HDA20-16015	1.6
-150					150		43 - 68		HDA25-16039	2.0
-HDC20- 90 ※		20	42		90	48	65		—	1.3
-120					120		58 - 68		HDA20-16015	1.6
-150					150		43 - 68		HDA25-16039	2.0
-HDC25-120 ※	2	25	55	63	120	51	95	52	—	2.1
-HDC32-125 ※		32	60	69	125	59	100	56		2.4
HSK-A100-HDC 6- 75 ※	1	6	26	50	75	26	46	28	—	2.4
-120					120	44	28 - 48		HDA 6-05032	2.6
-165					165					2.9
-HDC 8- 75 ※		8	28		75	26	46		—	2.4
-120					120	44	28 - 48		HDA 8-06032	2.6
-165					165					3.0
-HDC10- 90 ※		10	30		90	42	61	33	—	2.5
-120					120	45	33 - 53		HDA10-08032	2.7
-165					165					3.1
-HDC12- 95 ※		12	32		95	47	63	38	—	2.5
-120					120		38 - 58		HDA12-10025	2.7
-165					165				HDA12-10032	3.1
-HDC16-100 ※		16	38		100	53	68	43	—	2.6
-135					135		43 - 68		HDA16-12030	3.0
-165					165				HDA16-12037	3.3
-HDC20-105 ※		20	42		105	59	73		—	2.7
-135					135		58 - 68		HDA20-16015	3.1
-165					165		43 - 68		HDA25-16039	3.6
-HDC25-110 ※		25	55	63	110	62	78	52	—	3.3
-HDC32-110 ※		32	64	75				56		3.7

1. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
   ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank depth that can be inserted into the holder.
2. Coolant pipe is not included. C65
3. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well.
   Add the letter **"W"** at the end of the model number when ordering. (Example: HDA12-10025W)

For Straight Collets, G18

Caution

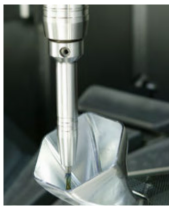
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Center through

For versatile high-precision machining including molds and automotive components.

- Cylindrical shank type that prevents interference with workpieces.



- Model Description

ST20 - HDC 4 S - 180

- L dimension
- SUPER SLIM Type
- Clamping diameter
- HYDRAULIC CHUCK
- Cylindrical shank diameter

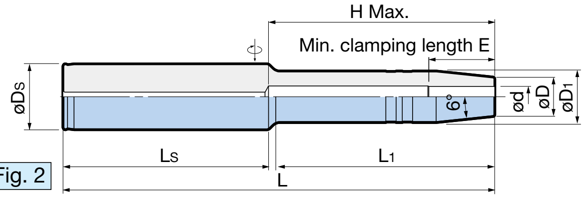


Fig. 2

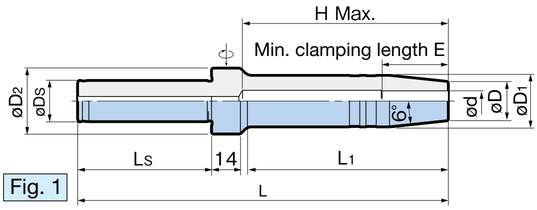


Fig. 1

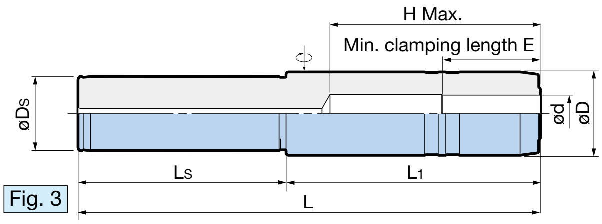


Fig. 3

Model	Fig.	Clamping diameter ød	øD	$øD_1$	$øD_2$	$øD_s$	L	L_1	L_s	H Max.	E	Weight (kg)
ST20-HDC 4S-180	1	4	14	18	32	20	180	94	65	—	19	0.40
-HDC 6S-180		6		20				95		101	25	0.43
-HDC 8S-180		8	17	23				96			31	0.50
-HDC10S-180		10	19	25				97		100	33	0.54
-HDC12S-180		12	21	28				99			36	0.61
ST32-HDC10S-210	2	10	19	25	—	32	210	106	100	110	33	0.98
-HDC12S-210		12	21	28				108		109	36	1.06
-HDC16 -200	3	16	36	—			200	110	90	91	43	1.27
-HDC20 -200		20	38							90		1.28

1. Adjusting Screw cannot be used.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

HYDRAULIC CHUCK

Center through

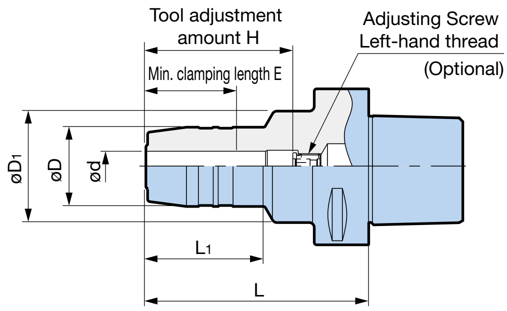
Secure chucking with just one wrench. Ideal for various high precision machining requirements.

Runout accuracy 4D 3μm or less

● Model Description

C5 - HDC 6 - 55

- L dimension
- Chuck bore
- HYDRAULIC CHUCK
- Shank No.



C5/C6

Model	Clamping diameter ød	øD	øD1	L	L1	E	H	Adjusting Screw (Optional)	Weight (kg)
C5-HDC 6- 55 ※	6	26	45	55	18	28	48	—	0.8
- 90				90	45		33 - 50	HDA6-05020	1.0
-HDC 8- 55 ※	8	28	45	55	18	28	48	—	0.8
- 90				90	45		33 - 50	HDA8-06020	1.1
-HDC10- 60 ※	10	30	45	60	24	33	53	—	0.9
- 90				90	45		43 - 55	HDA10-08015	1.1
-HDC12- 60 ※	12	32	46	60	24	38	53	—	0.9
- 90			45	90	48		53 - 60	HDA12-10010●	1.1
-HDC14- 90	14	34	45	90	48	38	53 - 60	HDA12-10010●	1.1
-HDC16- 75 ※	16	38	50	75	35	43	68	—	1.1
- 90 ※			48	90	48		83	—	1.2
-HDC18- 90 ※	18	40	48	90	48	43	83	—	1.2
-HDC20- 75 ※	20	42	52	75	35	43	68	—	1.1
- 90 ※			50	90	48		83	—	1.2
-HDC25- 90 ※	25	55	63	90	48	52	83	—	1.7
C6-HDC 6- 60 ※	6	26	45	60	18	28	51	—	1.4
- 90				90	48		33 - 50	HDA 6-05020	1.5
-120				120	45		28 - 50	HDA 6-05032	1.8
-HDC 8- 60 ※	8	28	45	60	18	28	51	—	1.4
- 90				90	48		33 - 50	HDA 8-06020	1.6
-120				120	45		28 - 50	HDA 8-06032	1.8
-HDC10- 65 ※	10	30	45	65	24	33	56	—	1.4
- 90				90	48		43 - 55	HDA10-08015	1.6
-120				120	45		33 - 54	HDA10-08032	1.8
-HDC12- 65 ※	12	32	46	65	24	38	56	—	1.5
- 90			45	90	48		48 - 60	HDA10-08015	1.6
-120				120			38 - 60	HDA10-08032	1.8
-HDC14- 90	14	34	45	90	48	38	48 - 60	HDA10-08015	1.6
-120				120			38 - 60	HDA10-08032	1.9
-HDC16- 75 ※	16	38	50	75	35	43	66	—	1.6
- 90 ※			47	90	48		81		1.7
-120			48	120			43 - 70	HDA16-12037	2.0
-HDC18- 90 ※	18	40	48	90	48	43	66	—	1.7
-120			49	120			43 - 70	HDA16-12037	2.0
-HDC20- 75 ※	20	42	53	75	33	43	66	—	1.7
- 90 ※			50	90	48		72		1.8
-120				120			43 - 70	HDA16-12037	2.1
-HDC25- 90 ※	25	55	63	90	46	52	80	—	2.2
-120				120	51		67 - 79	HDA20-16015	2.8
-HDC32- 90 ※	32	75	63	90	43	56	81	—	2.8
-120		63	—	120	—		66 - 78	HDA20-16015	3.0

1. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
2. ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank length that can be inserted into the holder.
3. Adjusting Screw **with hexagon sockets on both sides** is also available, allowing adjustment from the shank side as well.
   Add the letter **"W"** at the end of the model number when ordering. (Example: **HDA6-05020W**)
4. The above type is not available for the **HDA12-10010** marked with ●.

For Straight Collets, G18

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- We do not recommend use with roughing endmills.
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.

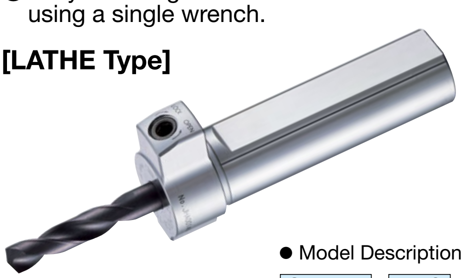
HYDRAULIC CHUCK

Clamping diameter: ø3 - ø8

The Hydraulic Chuck supports high-precision drilling and reaming on CNC automatic lathes.

● Easy to change tools even inside a machine with limited space, using a single wrench.

[LATHE Type]

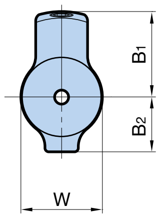


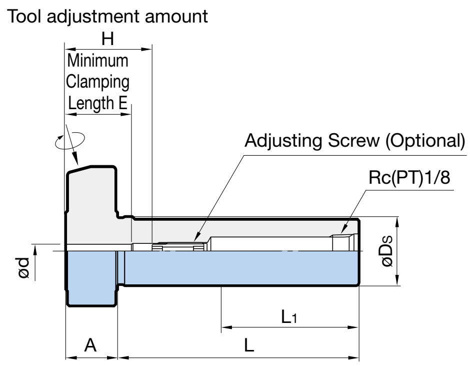
Repeatability
within 3μm

● Model Description

SL19.05 - HDC - 3 - 60

- L dimension (60)
- Clamping diameter (3)
- HYDRAULIC CHUCK (HDC)
- Side lock shank diameter (SL19.05)





Model	ød	øDs	L	L_1	A	B_1	B_2	W	Tool adjustment amount H	Min. Clamping Length E	Adjusting Screw (Optional)	Weight (kg)
SL19.05-HDC 3- 60※	3	19.05	60	30	15	24.5	15.8	22	20 - 32	16	HDA4-05015W	0.18
-HDC 4- 60	4								23 - 32	19		0.18
-HDC 6- 60	6								31 - 48	25	NBA6B	0.18
-HDC 8- 60	8					25.5			65	31	—	0.16
SL20 -HDC 3- 70※	3	20	70	40	15	24.5	15.8	23	20 - 32	16	HDA4-05015W	0.22
-HDC 4- 70	4								23 - 32	19		0.22
-HDC 6- 70	6								31 - 48	25	NBA6B	0.22
-HDC 8- 70	8					25.5			75	31	—	0.21
SL22 -HDC 3- 70※	3	22	70	40	15	24.5	15.8	25	20 - 32	16	HDA4-05015W	0.26
-HDC 4- 70	4								23 - 32	19		0.26
-HDC 6- 70	6								31 - 48	25	NBA6B	0.26
-HDC 8- 70	8					25.5			75	31	—	0.25

1. L_1 is the longest possible cutoff position.
2. Adjusting screw can be adjusted from the shank side as well.
   For HDC8 alone, the adjusting screw cannot be used.
3. Tool adjustment amount "H" indicates the adjustment length with an adjusting screw.
   For HDC8 it shows the max. tool shank length that can be inserted into the holder.
4. When using coolant with ※ marked models, some coolant may leak from the inner diameter slits.

Caution

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank).
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length E.