

# MEGA MICRO CHUCK PAT.

**BBT** A1  
SHANK

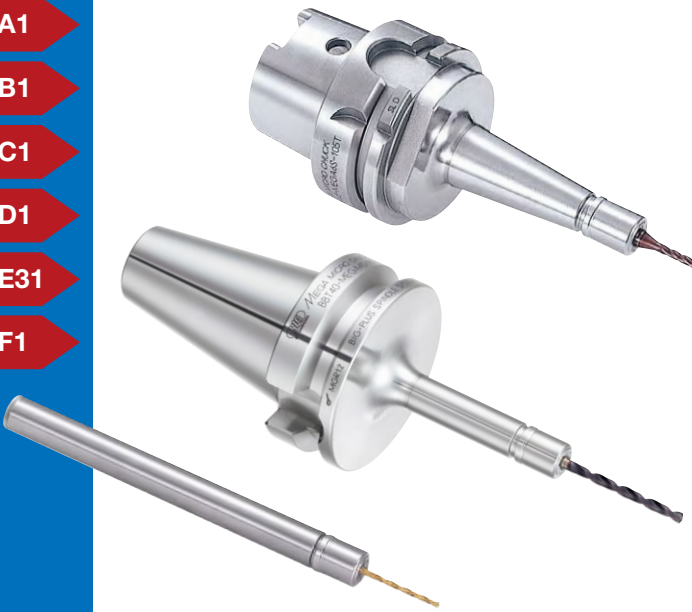
**BDV/DV** B1  
SHANK

**HSK** C1  
SHANK

**ST** D1  
SHANK

**BIG CAPTO** E31  
SHANK

For **N/C** F1  
Lathes



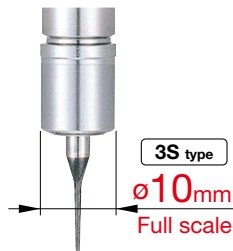
● Ultra-slim design of  $\phi 10\text{mm}$  nut diameter minimizes interference with the jig and workpiece.



## Extremely slim design with $\phi 10\text{mm}$ nut diameter

(3S type)

Slim design avoids interference. Ideal for small mold making combining high speed and high precision.



## Collet accuracy: Within $1\mu\text{m}$ at nose

Unique and compact design of taper and cylindrical guide achieves stable accuracy within  $1\mu\text{m}$  at nose.



Ultra-high precision

Micro Collet

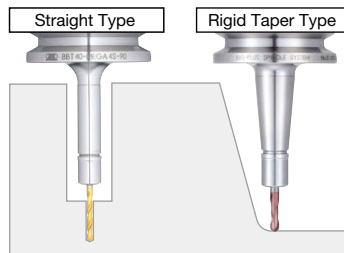
Abundant 0.1mm step series!!

● Collet accuracy

Collet class	Runout accuracy	
	Nose	4D
AA	Within $1\mu\text{m}$	Within $3\mu\text{m}$

## Slim design to reduce workpiece interference

“Straight Type” for minimal interference and “Rigid Taper Type” for increased rigidity are available.

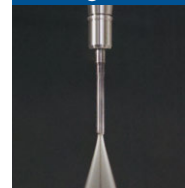


## 2 way coolant supply

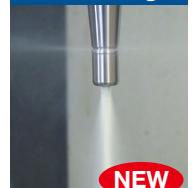
Select a coolant nut suitable for the lubrication method.



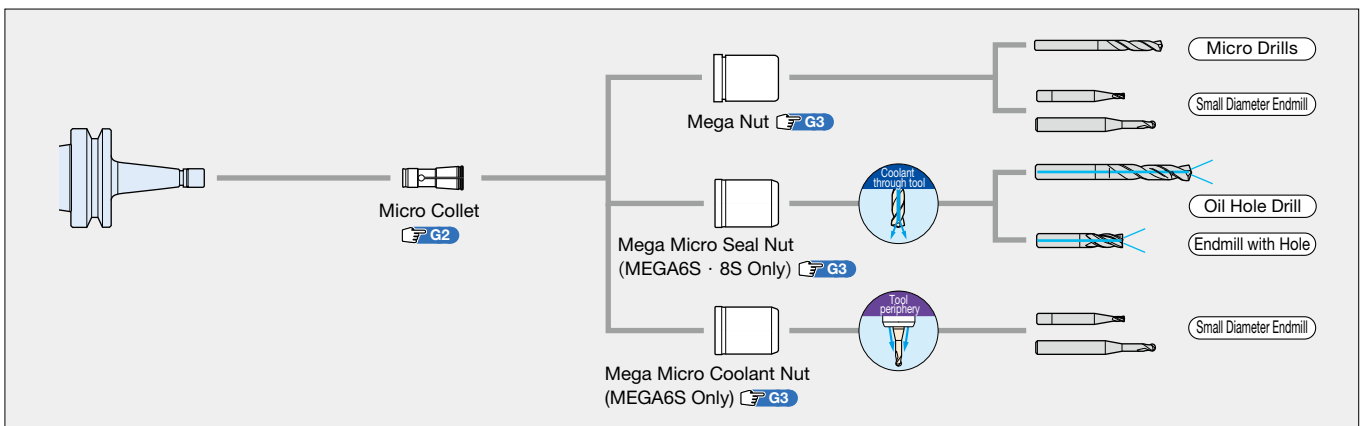
**MEGA MICRO SEAL NUT**  
Through Tools



**MEGA MICRO COOLANT NUT**  
Jet Through



NEW



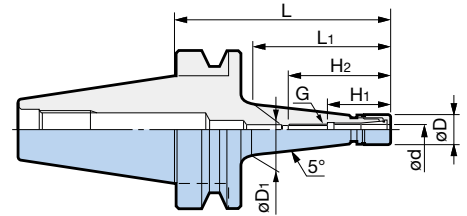
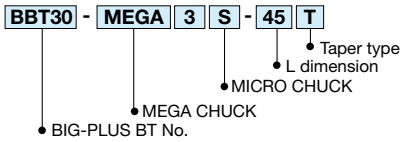
Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.



● Models for ultra-small endmilling are newly added!



● Model Description



Through hole type.

[High Rigidity Taper 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 $\varnothing d$	$\varnothing D$	$\varnothing D_1$	L	$L_1$	$H_1$	$H_2$	G	Collet Model	Weight (kg)
<b>BBT30-MEGA3S- 45T</b>	0.45 - 3.25	10	11.5	45	20	22	38	M4 P0.7	NBC3S-□	0.42
- 75T			16	75	48					0.45
- 90T			18.5	90	63					0.48
-105T			21	105	78					0.52
<b>-MEGA4S- 60T</b>	0.45 - 4.05	12	15	60	33	26.5	47	M5 P0.8	NBC4S-□	0.45
- 75T			17.5	75	48					0.47
- 90T			20	90	63					0.50
-105T			23	105	78					0.54
<b>-120T</b>			25.5	120	93				0.60	
<b>-MEGA6S- 60T</b>	0.45 - 6.05	14	16.5	60	33	28.5	49	M7 P0.75	NBC6S-□	0.45
- 75T			19	75	48					0.47
- 90T			22	90	63					0.51
-105T			24.5	105	78					0.56
<b>-120T</b>			27	120	93				0.62	
<b>-MEGA8S- 75T</b>	2.95 - 8.05	18	23	75	48	31	50.5	M9 P0.75	NBC8S-□	0.51
-105T			28	105	78					0.62
<b>BBT40-MEGA3S- 60T</b>	0.45 - 3.25	10	12.5	60	28	22	38	M4 P0.7	NBC3S-□	1.0
- 90T			17.5	90	58					1.1
-120T			23	120	88					1.2
<b>-MEGA4S- 60T</b>	0.45 - 4.05	12	14	60	28	26.5	47	M5 P0.8	NBC4S-□	1.0
- 75T			16.5	75	43					1.1
- 90T			19.5	90	58					1.1
-105T			22	105	73					1.1
-120T			24.5	120	88					1.2
<b>-135T</b>			27	135	103				1.2	
<b>-MEGA6S- 60T</b>	0.45 - 6.05	14	15.5	60	28	28.5	49	M7 P0.75	NBC6S-□	1.1
- 75T			18	75	43					1.1
- 90T			21	90	58					1.1
-105T			23.5	105	73					1.1
-120T			26	120	88					1.2
-135T			29	135	103					1.3
<b>-MEGA8S- 90T</b>	2.95 - 8.05	18	24.5	90	58	31	50.5	M9 P0.75	NBC8S-□	1.2
-120T			30	120	88					1.2

- Nut is included. Collet and wrench must be ordered separately.
- Weight includes the nut but not the collet.
- 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.

Clamping diameter:  $\varnothing 0.45 - \varnothing 8.05$

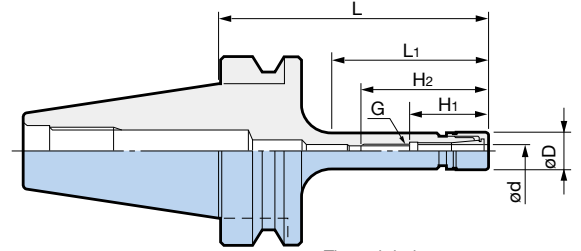
# MEGA MICRO CHUCK PAT.



● Model Description

**BBT30** - **MEGA** **4** **S** - **90**

- L dimension
- MICRO CHUCK
- MEGA CHUCK
- BIG-PLUS BT No.



Through hole type.

MEGA CHUCK Series

**[Straight 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 $\varnothing$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>BBT30-MEGA4S- 90</b>	0.45 - 4.05	12	90	62	26.5	47	M5 P0.8	NBC4S-□	0.46
<b>-MEGA6S- 60</b>	0.45 - 6.05	14	60	32	28.5	49	M7 P0.75	NBC6S-□	0.45
<b>- 90</b>			90	62					0.47
<b>-105</b>			105	73					0.49
<b>-MEGA8S- 90</b>	2.95 - 8.05	18	90	60	31	50.5	M9 P0.75	NBC8S-□	0.51
<b>BBT40-MEGA4S- 90</b>	0.45 - 4.05	12	90	53	26.5	47	M5 P0.8	NBC4S-□	1.0
<b>-MEGA6S- 90</b>	0.45 - 6.05	14	90	53	28.5	49	M7 P0.75	NBC6S-□	1.0
<b>-MEGA8S- 90</b>	2.95 - 8.05	18	90	55	31	50.5	M9 P0.75	NBC8S-□	1.1

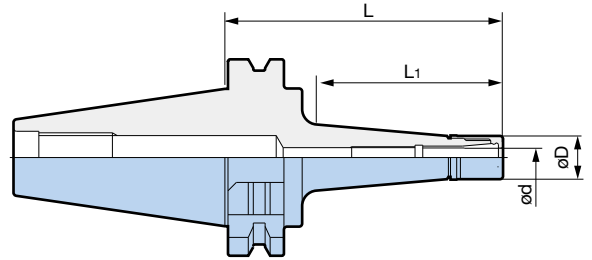
1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.
3. Please note that the practical spindle speed may be considerably influenced by the machine rigidity and tool balance. When using, slowly ramp up to the appropriate speed starting from slow speeds.

Standard Accessory	Optional Accessories			
<p>MEGA NUT</p> <p>For Spares </p>	<p>Mega Wrench</p> <p></p>	<p>Micro Collet</p> <p></p>	<p>MEGA MICRO SEAL NUT (for 6S and 8S) MEGA MICRO COOLANT NUT (for 6S)</p> <p></p>	<p>Collet Case</p> <p></p>

Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.



● Models for ultra-small endmilling are newly added!

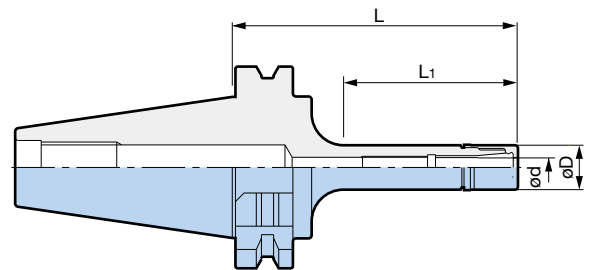
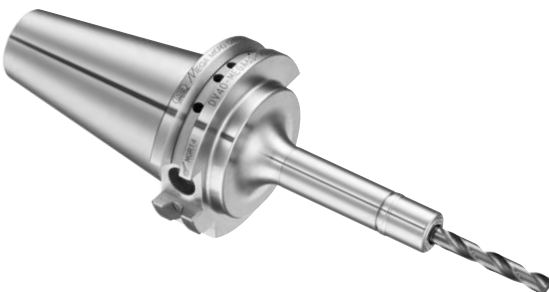


**[High Rigidity Taper Type]**

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

BIG-PLUS BDV SHANK Model	DV SHANK Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	Max. (min <sup>-1</sup> )	Collet Model	Nut Model	Weight (kg)
—	<b>DV30-MEGA6S- 60T</b>	0.45 - 6.05	14	60	36	40,000	NBC6S-□	MGN6S	0.41
—	<b>-MEGA8S- 75T</b>	2.95 - 8.05	18	75	51	35,000	NBC8S-□	MGN8S	0.48
<b>BDV40-MEGA3S- 90T</b>	<b>DV40-MEGA3S- 90T</b>	0.45 - 3.25	10	90	60	28,000	NBC3S-□	MGN3S	0.9
<b>-MEGA4S- 90T</b>	<b>-MEGA4S- 90T</b>	0.45 - 4.05	12	90	60	28,000	NBC4S-□	MGN4S	1.0
<b>-MEGA6S- 60T</b>	<b>-MEGA6S- 60T</b>	0.45 - 6.05	14	60	30	35,000	NBC6S-□	MGN6S	0.9
<b>- 90T</b>	<b>- 90T</b>			90	60	28,000			1.0
<b>-120T</b>	<b>-120T</b>			120	90	22,000			1.1
<b>-MEGA8S- 90T</b>	<b>-MEGA8S- 90T</b>	2.95 - 8.05	18	90	60	28,000	NBC8S-□	MGN8S	1.0

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.
3. 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.



**[Straight Type]**

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

BIG-PLUS BDV SHANK Model	DV SHANK Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	Max. (min <sup>-1</sup> )	Collet Model	Nut Model	Weight (kg)
<b>BDV40-MEGA6S- 90</b>	<b>DV40-MEGA6S- 90</b>	0.45 - 6.05	14	90	55	35,000	NBC6S-□	MGN6S	0.9

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.
3. 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.

Standard Accessory	Optional Accessories			
<p>MEGA NUT</p> <p>For Spares </p>	<p>Mega Wrench</p> <p></p>	<p>Micro Collet</p> <p></p>	<p>MEGA MICRO SEAL NUT (for 6S and 8S) MEGA MICRO COOLANT NUT (for 6S)</p> <p></p>	<p>Collet Case</p> <p></p>

Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.

Max.  
**40,000min<sup>-1</sup>**

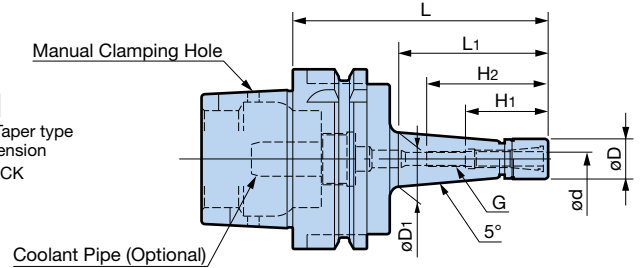
● Models for ultra-small endmilling are newly added!

**[High Rigidity Taper Type]**



● Model Description  
**HSK-A40** - **MEGA** **3** **S** - **75** **T**

- HSK Shank Type
- MEGA CHUCK
- MICRO CHUCK
- L dimension
- Taper type



Through hole type.

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

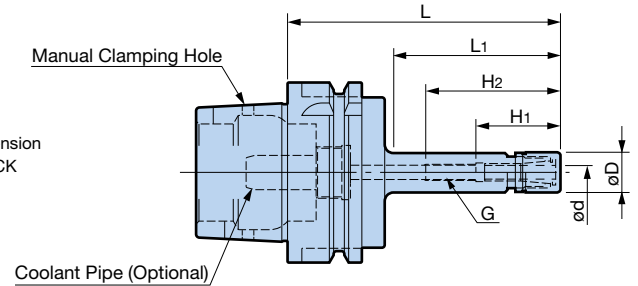
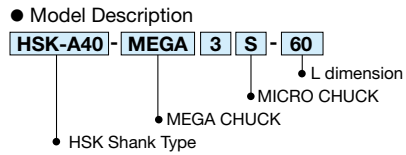
Model	Clamping diameter $\varnothing d$	$\varnothing D$	$\varnothing D_1$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-A40-MEGA3S- 75T</b>	0.45 - 3.25	10	16	75	44	22	38	M4 P0.7	NBC 3S-□	0.28
- 90T			18	90	60					0.31
<b>-MEGA4S- 60T</b>	0.45 - 4.05	12	14	60	27	26.5	44	M5 P0.8	NBC 4S-□	0.27
- 90T			20	90	60		47			0.33
-105T			23	105	76		0.37			
<b>-MEGA6S- 60T ※</b>	0.45 - 6.05	14	16	60	29	28.5	(40)	M7 P0.75	NBC 6S-□	0.28
- 75T			19	75	45		49			0.31
- 90T			21.5	90	60		0.34			
-105T			25	105	76		0.39			
<b>HSK-A50-MEGA6S-105T</b>	0.45 - 6.05	14	22.5	105	66	28.5	49	M7 P0.75	NBC 6S-□	0.6
<b>HSK-A63-MEGA3S- 75T</b>	0.45 - 3.25	10	14	75	36	22	38	M4 P0.7	NBC 3S-□	0.8
-120T			21.5	120	81					0.9
<b>-MEGA4S- 75T</b>	0.45 - 4.05	12	15.5	75	36	26.5	47	M5 P0.8	NBC 4S-□	0.9
- 90T			18	90	51					0.9
-120T			23.5	120	81					1.0
<b>-MEGA6S- 60T</b>	0.45 - 6.05	14	15.5	60	23	28.5	37	M7 P0.75	NBC 6S-□	0.8
- 75T			17	75	36		48			0.9
- 90T			20	90	51		49			0.9
-105T			22.5	105	66					0.9
-120T			25	120	81					1.0
-135T			27.5	135	96					1.0
<b>-MEGA8S- 90T</b>	2.95 - 8.05	18	23.5	90	51	31	50.5	M9 P0.75	NBC 8S-□	0.9
-120T			28.5	120	81					1.1

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.
3. 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.
4. Models marked with "※" do not have inner thread. H<sub>2</sub> ( ) dimension is the max. tool shank length that can be inserted into the holder.
5. Coolant pipe is not included. C65

**[Straight Type]**

- Straight type with less workpiece interference.

Max.  
**35,000min<sup>-1</sup>**

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

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-A40-MEGA3S- 60</b>	0.45 - 3.25	10	60	26	22	39	M4 P0.7	NBC 3S-□	0.26
<b>-MEGA4S- 60</b>	0.45 - 4.05	12	60	27	26.5	44	M5 P0.8	NBC 4S-□	0.26
<b>- 90</b>			90	57		47			0.29
<b>-MEGA6S- 60</b> ※	0.45 - 6.05	14	60	28	—	(40)	—	NBC 6S-□	0.27
<b>- 90</b>			90	58					28.5
<b>HSK-A50-MEGA4S- 75</b>	0.45 - 4.05	12	75	36	26.5	47	M5 P0.8	NBC 4S-□	0.5
<b>-MEGA6S- 75</b>	0.45 - 6.05	14	75	36	28.5	49	M7 P0.75	NBC 6S-□	0.6
<b>HSK-A63-MEGA4S- 75</b>	0.45 - 4.05	12	75	36	26.5	48	M5 P0.8	NBC 4S-□	0.8
<b>-105</b>			105	61		47			0.9
<b>-MEGA6S- 75</b>	0.45 - 6.05	14	75	36	28.5	48	M7 P0.75	NBC 6S-□	0.9
<b>-105</b>			105	61		49			0.9
<b>-MEGA8S- 90</b>	2.95 - 8.05	18	90	48	31	50.5	M9 P0.75	NBC 8S-□	0.9

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.
3. 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.

4. Models marked with "※" do not have inner thread. H<sub>2</sub> ( ) dimension is the max. tool shank length that can be inserted into the holder.
5. Coolant pipe is not included. C65

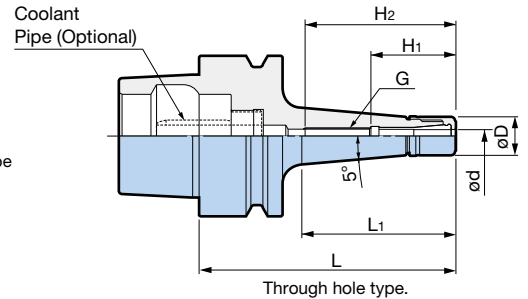
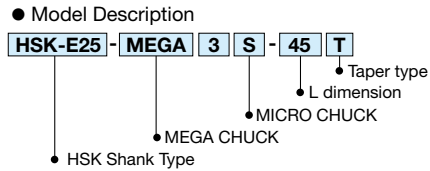
Standard Accessory	Optional Accessories			
<b>MEGA NUT</b> <p>For Spares </p>	<b>Mega Wrench</b> <p></p>	<b>Micro Collet</b> <p></p>	<b>Mega Micro Seal Nut (For 6S and 8S)</b> <b>Mega Micro Coolant Nut (For 6S)</b> <p></p>	<b>Collet Case</b> <p></p>

Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.

Max.  
**60,000min<sup>-1</sup>**

**[High Rigidity Taper Type]**

● Models for ultra-small endmilling are newly added!



**E** Type (DIN 69893-5)

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-E25-MEGA3S- 45T</b> ※	0.45 - 3.25	10	45	32	22	(32)	—	NBC3S-□	0.06
- 60T			60	48		38	M4 P0.7		0.08
<b>-MEGA4S- 45T</b> ※	0.45 - 4.05	12	45	33	26.5	(32)	—	NBC4S-□	0.07
- 60T			60	49		41	M5 P0.8		0.10
<b>-MEGA6S- 45T</b> ※	0.45 - 6.05	14	45	33	28.5	(31)	—	NBC6S-□	0.08
- 60T			60	49		40	M7 P0.75		0.10
<b>HSK-E32-MEGA3S- 60T</b>	0.45 - 3.25	10	60	35	22	38	M4 P0.7	NBC3S-□	0.15
- 75T			75	50		38			0.17
<b>-MEGA4S- 45T</b> ※	0.45 - 4.05	12	45	23	26.5	(26)	—	NBC4S-□	0.14
- 60T			60	35		46	M5 P0.8		0.16
<b>-MEGA6S- 45T</b> ※	0.45 - 6.05	14	45	23	28.5	(28)	—	NBC6S-□	0.14
- 60T			60	36		38	M7 P0.75		0.17
<b>-MEGA8S- 60T</b> ※	2.95 - 8.05	18	60	38	31	(43)	—	NBC8S-□	0.20
<b>HSK-E40-MEGA3S- 60T</b>	0.45 - 3.25	10	60	35	22	39	M4 P0.7	NBC3S-□	0.23
- 75T			75	50		38			0.25
<b>-MEGA4S- 60T</b>	0.45 - 4.05	12	60	35	26.5	44	M5 P0.8	NBC4S-□	0.24
- 75T			75	50		47			0.27
<b>-MEGA6S- 60T</b> ※	0.45 - 6.05	14	60	35	28.5	(42)	—	NBC6S-□	0.24
- 75T			75	50		49	M7 P0.75		0.28
- 90T			90	65		49	0.32		
<b>HSK-E50-MEGA3S- 80T</b>	0.45 - 3.25	10	80	49	22	38	M4 P0.7	NBC3S-□	0.5
<b>-MEGA4S- 80T</b>	0.45 - 4.05	12		48	26.5	47	M5 P0.8	NBC4S-□	0.5
<b>-MEGA6S- 80T</b>	0.45 - 6.05	14		49	28.5	49	M7 P0.75	NBC6S-□	0.5

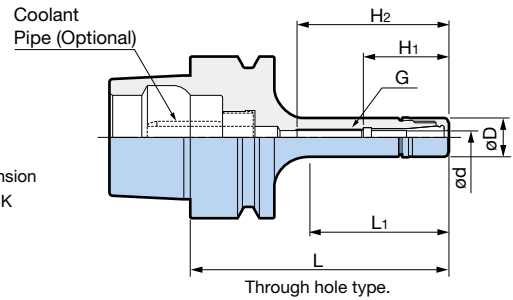
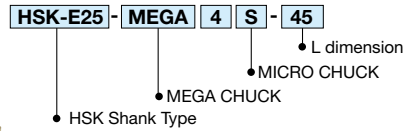
- Nut is included. Collet and wrench must be ordered separately.
- Weight includes the nut but not the collet.
- Models marked with "※" do not have inner thread. H<sub>2</sub> ( ) dimension is the max. tool shank length that can be inserted into the holder.
- Please note that the practical spindle speed 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. C65
- For machines which cannot be used with a through hole, order a plug separately. C65

**[Straight Type]**

- Straight type with less workpiece interference.

Max.  
**60,000min<sup>-1</sup>**

## ● Model Description

**E** Type (DIN 69893-5)

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-E25-MEGA4S-45</b> ※	0.45 - 4.05	12	45	31	26.5	(32)	—	NBC4S-□	0.06
<b>-60</b>			60	46		42	M5 P0.8		0.08
<b>-MEGA6S-45</b> ※	0.45 - 6.05	14	45	32	28	(31)	—	NBC6S-□	0.07
<b>-60</b>			60	47		41	M7 P0.75		0.08
<b>HSK-E32-MEGA3S-45</b> ※	0.45 - 3.25	10	45	23	22	(31)	—	NBC3S-□	0.13
<b>-MEGA4S-45</b>	0.45 - 4.05	12	45	22	26.5	31	M5 P0.8	NBC4S-□	0.14
<b>-60</b>			60	34		46			0.15
<b>-MEGA6S-45</b> ※	0.45 - 6.05	14	45	22	28.5	(28)	—	NBC6S-□	0.14
<b>-60</b>			60	35		38	M7 P0.75		0.15
<b>HSK-E40-MEGA3S-40</b> ※	0.45 - 3.25	10	40	19	22	(24)	—	NBC3S-□	0.21
<b>-MEGA4S-60</b>	0.45 - 4.05	12	60	34	26.5	44	M5 P0.8	NBC4S-□	0.23
<b>-MEGA6S-45</b> ※	0.45 - 6.05	14	45	23	27.5	(27)	—	NBC6S-□	0.22
<b>-60</b> ※			60	35		42	—		0.23
<b>HSK-E50-MEGA3S-50</b> ※	0.45 - 3.25	10	50	20	22	(30)	—	NBC3S-□	0.5
<b>-MEGA4S-50</b> ※	0.45 - 4.05	12	50	21	26.5	(30)	—	NBC4S-□	0.5
<b>-80</b>			80	44		47	M5 P0.8		0.5
<b>-MEGA6S-55</b> ※	0.45 - 6.05	14	55	26	28.5	(35)	—	NBC6S-□	0.5
<b>-80</b>			80	44		49	M7 P0.75		0.5

1. Nut is included. Collet and wrench must be ordered separately.

2. Weight includes the nut but not the collet.

3. Models marked with "※" do not have inner thread. H<sub>2</sub> ( ) dimension is the max. tool shank length that can be inserted into the holder.

4. 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.

5. Coolant pipe is not included. C65

6. For machines which cannot be used with a through hole, order a plug separately. C65

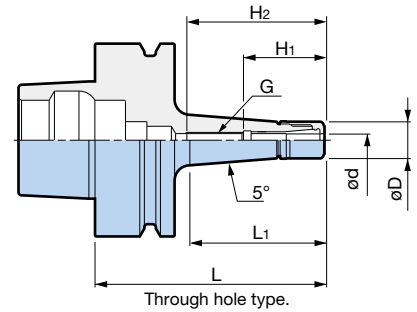
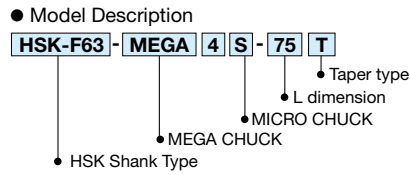
Standard Accessory	Optional Accessories			
<b>MEGA NUT</b>  For Spares  G3	<b>Mega Wrench</b>  G23	<b>Micro Collet</b>  G2	<b>Mega Micro Seal Nut (for 6S and 8S)</b> <b>Mega Micro Coolant Nut (for 6S)</b>  G3	<b>Collet Case</b>  G3



Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.

Max.  
**30,000min<sup>-1</sup>**

**[High Rigidity Taper Type]**

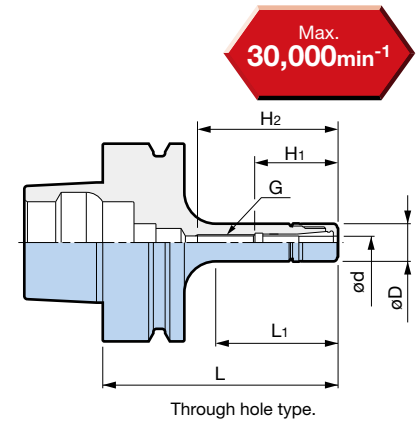
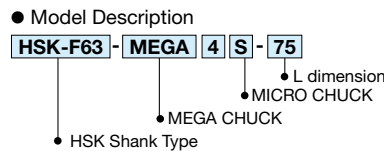


**F Type (DIN 69893-6)**

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-F63-MEGA4S-75T</b>	0.45 - 4.05	12	75	44	26.5	41	M5 P0.8	NBC4S-□	0.7
<b>-MEGA6S-75T</b>	0.45 - 6.05	14	75	44	28.5	41	M7 P0.75	NBC6S-□	0.7
<b>-MEGA8S-75T</b>	2.95 - 8.05	18	75	44	31	58	M9 P0.75	NBC8S-□	0.7

1. Nut is included. Collet and wrench must be ordered separately.
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.
3. For machines which cannot be used with a through hole, order a plug separately. C65

**[Straight Type]**



Max.  
**30,000min<sup>-1</sup>**

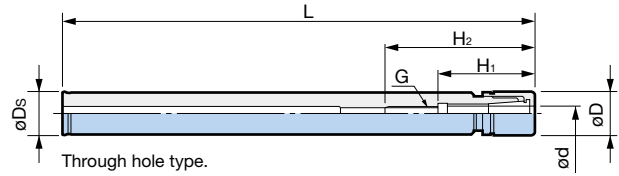
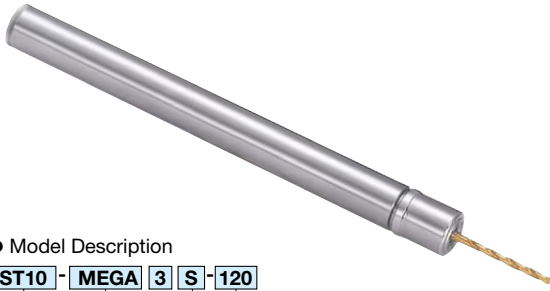
**F Type (DIN 69893-6)**

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>HSK-F63-MEGA4S- 75</b>	0.45 - 4.05	12	75	39	26.5	41	M5 P0.8	NBC4S-□	0.7
			105	76		47			0.7
<b>-MEGA6S- 75</b>	0.45 - 6.05	14	75	46	28.5	41	M7 P0.75	NBC6S-□	0.7
			90	61		49			0.8
			105	76		49			0.8

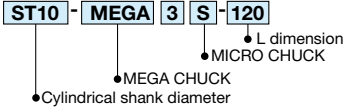
1. Nut is included. Collet and wrench must be ordered separately.
2. Please note that the practical spindle speed may be considerably influenced by the machine rigidity and tool balance. When using, slowly ramp up to the appropriate speed starting from slow speeds.
3. For machines which cannot be used with a through hole, order a plug separately. C65

Standard Accessory	Optional Accessories			
<p>MEGA NUT</p> <p>For Spares  G3</p>	<p>Mega Wrench</p> <p> G23</p>	<p>Micro Collet</p> <p> G2</p>	<p>Mega Micro Seal Nut (for 6S and 8S) Mega Micro Coolant Nut (for 6S)</p> <p> G3</p>	<p>Collet Case</p> <p> G3</p>

- Achieves high-precision machining in combination with the Mega New Baby Chuck.



● Model Description



Model	Clamping diameter $\varnothing d$	$\varnothing D$	$\varnothing D_s$	L	H <sub>1</sub>	H <sub>2</sub>	G	Collet Model	Weight (kg)
<b>ST10-MEGA3S-120</b>	0.45 - 3.25	10	10	120	22	38	M4 P0.7	NBC3S-□	0.06
<b>ST12-MEGA4S-130</b>	0.45 - 4.05	12	12	130	26.5	47	M5 P0.8	NBC4S-□	0.11
				160					0.13
<b>ST14-MEGA6S-160</b>	0.45 - 6.05	14	14	160	28.5	49	M7 P0.75	NBC6S-□	0.18
				200					0.21
<b>ST16-MEGA8S-160</b>	2.95 - 8.05	18	16	160	31	50.5	M9 P0.75	NBC8S-□	0.23
				200					0.25

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.

Cylindrical Shank Set

- With a set box convenient for storage



Set Contents

Model **SST12-MEGA4S-130**

- < $\varnothing 12$  shank type accessories>
- Body/ST12-MEGA4S-130 (with MGN4S nuts)
  - Micro Collet/NBC4S-3 and 4 ( $\varnothing 3, \varnothing 4$ )
  - Mega Wrench/MGR12 ● Exclusive set box

Model **SST16-MEGA8S-160**

- < $\varnothing 16$  shank type accessories>
- Body/ST16-MEGA8S-160 (with MGN8S nuts)
  - Micro Collet/NBC8S-3, 4, 6 and 8 ( $\varnothing 3, \varnothing 4, \varnothing 6, \varnothing 8$ )
  - Mega Wrench/MGR18 ● Exclusive set box

Model **SST14-MEGA6S-160**

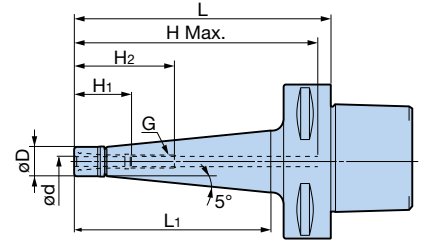
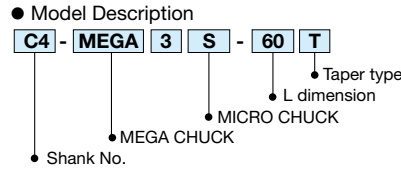
- < $\varnothing 14$  shank type accessories>
- Body/ST14-MEGA6S-160 (with MGN6S nuts)
  - Micro Collet/NBC6S-3, 4, 5 and 6 ( $\varnothing 3, \varnothing 4, \varnothing 5, \varnothing 6$ )
  - Mega Wrench/MGR14 ● Exclusive set box

Standard Accessory	Optional Accessories			
<p>MEGA NUT</p> <p>For Spares <b>G3</b></p>	<p>Mega Wrench</p> <p><b>G23</b></p>	<p>Micro Collet</p> <p><b>G2</b></p>	<p>Mega Micro Seal Nut (for 6S and 8S) Mega Micro Coolant Nut (for 6S)</p> <p><b>G3</b></p>	<p>Collet Case</p> <p><b>G3</b></p>



Ultra-slim design with  $\varnothing 10\text{mm}$  nut outer diameter.  
High speed collet chuck with minimized interference.

**[High Rigidity Taper Type]**

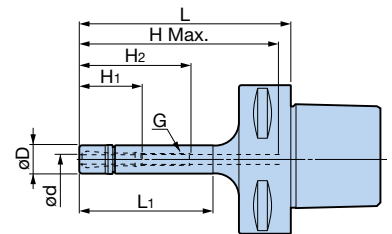
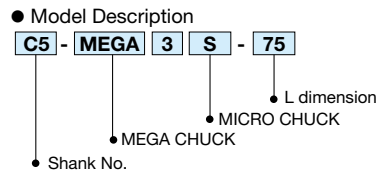


**C4/C5/C6**

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	H Max.	G	Collet Model	Weight (kg)
<b>C4-MEGA3S- 60T</b>	0.45 - 3.25	10	60	35	22	38	54	M4 P0.7	NBC3S-□	0.3
<b>-MEGA6S- 60T</b>	0.45 - 6.05	14	60	35	28	47	54	M7 P0.75	NBC6S-□	0.3
<b>- 90T</b>			90	65		48				84
<b>C5-MEGA3S-105T</b>	0.45 - 3.25	10	105	79	22.5	38.5	98	M4 P0.7	NBC3S-□	0.5
<b>-MEGA4S-105T</b>	0.45 - 4.05	12	105	79	26.5	47	98	M5 P0.8	NBC4S-□	0.5
<b>-120T</b>			120	94			113			0.6
<b>-MEGA6S-105T</b>	0.45 - 6.05	14	105	79	28.5	49	98	M7 P0.75	NBC6S-□	0.6
<b>-120T</b>			120	94			113			0.6
<b>C6-MEGA3S-120T</b>	0.45 - 3.25	10	120	92	22.5	38.5	111	M4 P0.7	NBC3S-□	1.3
<b>-MEGA4S-120T</b>	0.45 - 4.05	12	120	92	26.5	47	111	M5 P0.8	NBC4S-□	1.3
<b>-135T</b>			135	107			126			1.4
<b>-MEGA6S-120T</b>	0.45 - 6.05	14	120	92	28.5	49	111	M7 P0.75	NBC6S-□	1.3
<b>-135T</b>			135	107			126			1.4

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.

**[Straight Type]**



**C5/C6**

Model	Clamping diameter $\varnothing d$	$\varnothing D$	L	L <sub>1</sub>	H <sub>1</sub>	H <sub>2</sub>	H Max.	G	Collet Model	Weight (kg)
<b>C5-MEGA3S-75</b>	0.45 - 3.25	10	75	49	22.5	38	68	M4 P0.7	NBC3S-□	0.4
<b>-MEGA4S-75</b>	0.45 - 4.05	12		50	26.5	47		M5 P0.8	NBC4S-□	0.4
<b>-MEGA6S-75</b>	0.45 - 6.05	14		50	28.5	49		M7 P0.75	NBC6S-□	0.4
<b>C6-MEGA3S-90</b>	0.45 - 3.25	10	90	50	22.5	38	81	M4 P0.7	NBC3S-□	1.1
<b>-MEGA4S-90</b>	0.45 - 4.05	12		58	26.5	47		M5 P0.8	NBC4S-□	1.2
<b>-MEGA6S-90</b>	0.45 - 6.05	14		58	28.5	49		M7 P0.75	NBC6S-□	1.2

1. Nut is included. Collet and wrench must be ordered separately.
2. Weight includes the nut but not the collet.

Standard Accessory	Optional Accessories			
<p>MEGA NUT</p> <p>For Spares </p>	<p>Mega Wrench</p> <p></p>	<p>Micro Collet</p> <p></p>	<p>Mega Micro Seal Nut (For 6S) Mega Micro Coolant Nut (For 6S)</p> <p></p>	<p>Collet Case</p> <p></p>

# MEGA MICRO CHUCK PAT.

Clamping diameter:  $\phi 0.45 - \phi 6.05$

Smaller nut diameter than the body enables installation from the back of the toolholders in small lathes with limited space.

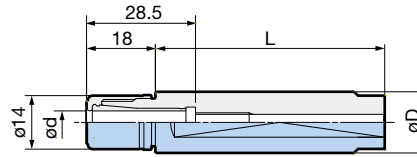
Center through



● Model Description

**SL16 - MEGA 6 S - 60**

- SL16: L dimension
- MEGA: MICRO CHUCK
- 6: Maximum clamping diameter
- S: MEGA CHUCK System
- 60: Side lock shank diameter



Model	$\phi d$	$\phi D$	L
<b>SL16-MEGA6S- 60</b>	0.45 - 6.05	16	60
<b>SL20-MEGA6S- 40</b>		20	40
<b>- 80</b>			80
<b>SL15.875-MEGA6S- 60</b>		15.875	60

1. Nut is included. Collet and wrench must be ordered separately.
2. Center through coolant supply is available.

Standard Accessory	Optional Accessories			
<b>MEGA NUT</b> <p>For Spares <b>G3</b></p>	<b>Mega Wrench</b> <p><b>G23</b></p>	<b>Micro Collet</b> <p><b>G2</b></p>	<b>Mega Micro Seal Nut</b> <b>Mega Micro Coolant Nut</b> <p><b>G3</b></p>	<b>Collet Case</b> <p><b>G3</b></p>

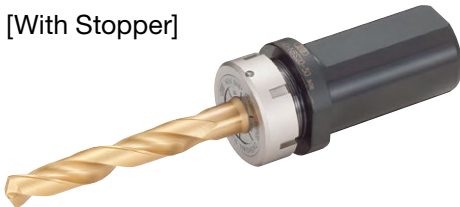
# NEW BABY CHUCK PAT.

Clamping diameter:  $\phi 2.5 - \phi 20$

Flange acts as a stopper and reduces time for preset off the machine significantly. Designed to be directly mounted into the drill holder on the turret.

Center through

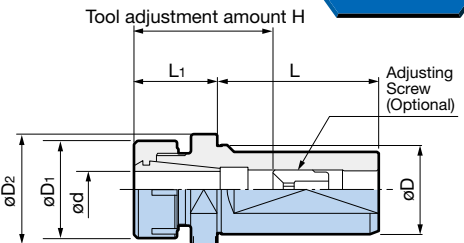
[With Stopper]



● Model Description

**SLS25 - NBS 13 - 30**

- SLS25: Side lock shank diameter
- NBS: NEW BABY CHUCK System
- 13: Maximum clamping diameter
- 30: L1 dimension



Model	$\phi d$	$\phi D$	$\phi D_1$	$\phi D_2$	L	L <sub>1</sub>	Tool adjustment amount H
<b>SLS25-NBS13- 30</b>	2.5 - 13	25	35	32	54	30	41 - 60
<b>- 60</b>						60	
<b>SLS32-NBS13- 30</b>	2.5 - 13	32	35	39.5	58	30	41 - 60
<b>- 60</b>						60	
<b>-100</b>						100	
<b>-NBS20- 30</b>	2.5 - 20	32	46	45.5	68	30	48 - 65
<b>- 60</b>						60	
<b>-100</b>						100	
<b>SLS40-NBS13- 30</b>	2.5 - 13	40	35	49.5	68	30	41 - 60
<b>- 60</b>						60	
<b>-100</b>	2.5 - 20	40	46		68	100	48 - 65
<b>-NBS20- 30</b>						30	
<b>- 60</b>						60	
<b>-100</b>						100	

1. Nut is included. Adjusting Screw, collet and wrench must be ordered separately.
2. Center through coolant supply is available.
3. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.

Standard Accessory	Optional Accessories				
<b>New Baby Nut</b> <p>For Spares <b>G26</b></p>	<b>New Baby Wrench</b> <p><b>G27</b></p>	<b>Collet</b> <p><b>G4</b></p>	<b>BABY PERFECT SEAL</b> <p><b>G24</b></p>	<b>Adjusting Screw</b> <p><b>G10</b></p>	<b>Tap Adjusting Screw</b> <p><b>G26</b></p>