

BBT A7
SHANK

BDV B4
SHANK

HSK C7
SHANK

BIG CAPTO E35
SHANK

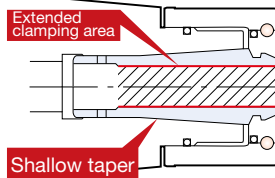


● A collet chuck holder for endmilling that makes both high speed and powerful endmilling possible.



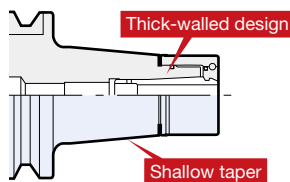
Collet designed for heavy duty gripping force

The shallower taper and long tool shank clamping length of the MEGA E Collet improve concentricity and gripping force in order to achieve better surface finishes and stable clamping performance.



Substantial body eliminates chatter

The chuck body is designed to be thicker in order to prevent chatter and deflection of the work surface during endmilling. Tapered body enhances damping effect by varying vibration frequency.



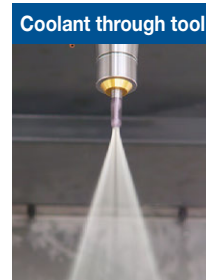
2 way coolant supply

A coolant nut with an oil sealing function. Removing the internal PS Ring allows jet-through coolant supply.

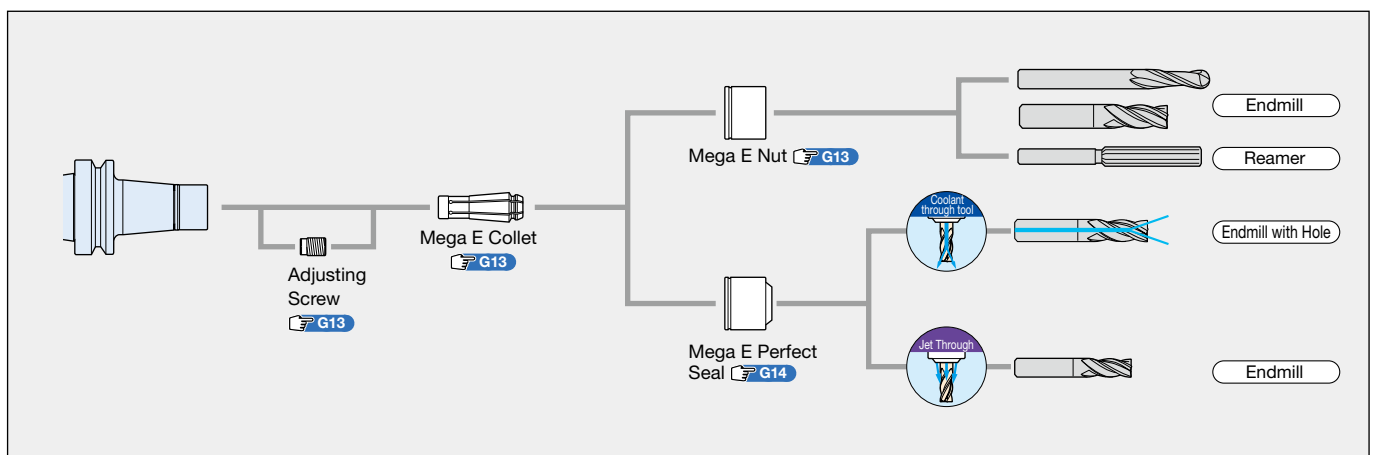
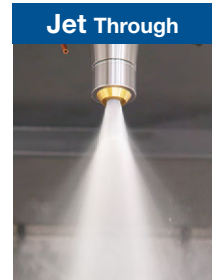


Coolant pressure
7MPa

MEGA E PERFECT SEAL PAT.

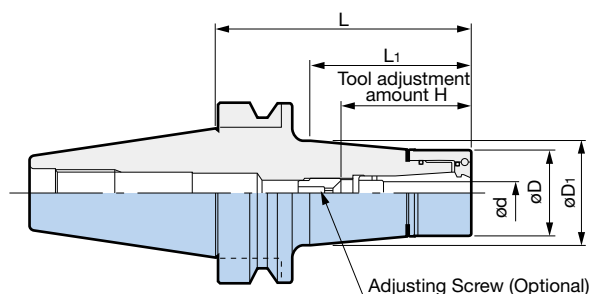


G14



A high-precision collet chuck designed especially for high speed and powerful end milling.

- Tapered body enhances damping effect by varying vibration frequency.
- Uses the MEGA E Collet designed for endmilling, delivering optimal clamping performance.



- Model Description

BBT30 - MEGA 6 E - 50

- L dimension
- E CHUCK
- Maximum clamping diameter
- MEGA CHUCK
- BIG-PLUS BT No.

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

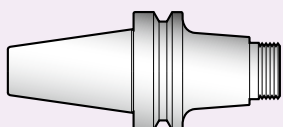
BIG-PLUS BBT SHANK Model	Clamping diameter øD	øD	øD ₁	L	L ₁	Tool adjustment amount H	Collet Model	Nut Model	Weight (kg)
BBT30-MEGA 6E- 50	3 - 6	25	26	50	25	37 - 45	MEC 6-□	MEN 6	0.51
- 75			30	75	50				0.62
- 90			32.5	90	65				0.71
-105			35.5	105	80				0.81
-MEGA 8E- 50	3 - 8	30	30.5	50	25	42 - 51	MEC 8-□	MEN 8	0.53
- 75			35	75	50				0.68
- 90			37.5	90	66				0.80
-105			40.5	105	81				0.93
-MEGA 10E- 50	3 - 10	35	35.5	50	25	48 - 58	MEC10-□	MEN10	0.57
- 75			40	75	51				0.77
- 90			41	90	66				0.90
-105			41.5	105	82				1.03
-MEGA 13E- 50	3 - 12	42	42.5	50	27	50 - 58	MEC13-□	MEN13	0.61
- 75			42	75	52	50 - 60			0.86
- 90			42	90	67				1.01
-105			42	105	82				1.17

1. The nut is included but the collet, wrench and adjusting screw 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. Center through coolant supply is available.
5. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.

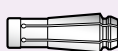
Standard Accessory		Optional Accessories		
MEGA E Nut  For Spares  G13	Mega Wrench   G23	MEGA E Collet   G13	MEGA E PERFECT SEAL   G14	Adjusting Screw   G13

When ordering a MEGA E PERFECT SEAL, the “Nut-Less Body” without the standard nut attached is also available.

- **Example** Attach **/NL** (Nut less) to the end of the holder model number and order the MEC Collet/MEGA E PERFECT SEAL separately.



MEGA E CHUCK Model + /NL
(Nut not attached)
BBT30-MEGA6E-50/NL



MEC Collet
MEC6-3AA



MEGA E PERFECT SEAL Model
EPS6-03

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	Tool adjustment amount H	Collet Model	Nut Model	Weight (kg)
BBT40-MEGA 6E- 60	3 - 6	25	26.5	60	28	37 - 45	MEC 6-□	MEN 6	1.1
- 75			29	75	43				1.2
- 90			31.5	90	58				1.3
-105			34	105	73				1.3
-120			36.5	120	88				1.5
-135			39	135	103				1.6
-165			44.5	165	133				1.9
-200			51	200	169				2.4
-MEGA 8E- 60			31	60	28	42 - 48	MEC 8-□	MEN 8	1.2
- 75	3 - 8	30	33.5	75	43				1.3
- 90			36	90	58				1.3
-105			39	105	73				1.5
-120			41.5	120	88				1.7
-135			44	135	103				1.8
-165			49.5	165	133				2.1
-200			56	200	171				2.6
-MEGA 10E- 60	3 - 10	35	36	60	29	48 - 58	MEC10-□	MEN10	1.3
- 75			38.5	75	43				1.4
- 90			41	90	58				1.5
-105			44	105	73				1.7
-120			46.5	120	88				1.8
-135			49	135	103				2.0
-165			54.5	165	135				2.4
-200			55.5	200	171				3.1
-MEGA 13E- 60	3 - 12	42	43	60	29	50 - 60	MEC13-□	MEN13	1.3
- 75			45	75	43				1.5
- 90			48	90	59				1.7
-105			51	105	75				1.9
-120			53.5	120	91				2.1
-135			56	135	106				2.4
-165			57.5	165	137				2.8
-200			62.5	200	173				3.7
BBT50-MEGA 6E- 90	3 - 6	25	30.5	90	47	37 - 45	MEC 6-□	MEN 6	3.8
-120			36	120	77				4.0
-165			43.5	165	122				4.4
-200			50	200	157				4.9
-MEGA 8E- 90	3 - 8	30	35.5	90	47	42 - 51	MEC 8-□	MEN 8	3.9
-120			40.5	120	77				4.1
-165			48.5	165	122				4.6
-200			54.5	200	157				5.2
-MEGA10E- 90	3 - 10	35	40	90	47	48 - 58	MEC10-□	MEN10	4.0
-120			45.5	120	77				4.2
-165			53	165	121				4.9
-200			59.5	200	156				5.5
-MEGA13E- 90	3 - 12	42	46.5	90	47	50 - 60	MEC13-□	MEN13	4.0
-120			52	120	77				4.4
-165			59	165	121				5.2
-200			65	200	156				6.0

- The nut is included but the collet, wrench and adjusting screw 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.
- Center through coolant supply is available.
- Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.

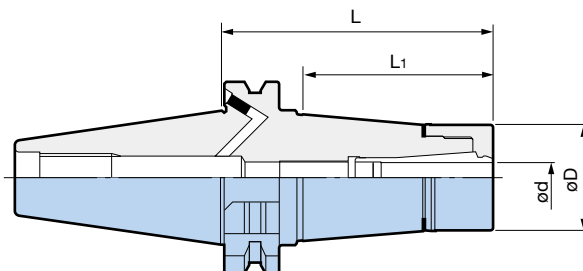
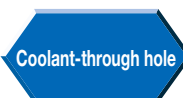
Clamping diameter: $\varnothing 3 - \varnothing 12$ **MEGA E CHUCK** PAT.**BDV/DV
SHANK**

A high precision, high speed and high rigidity collet chuck especially for endmilling.

- Tapered body enhances damping effect by varying vibration frequency.
- Uses the MEGA E Collet designed for endmilling, delivering optimal clamping performance.



DUAL CONTACT

**BIG-PLUS®****B**

MEGA CHUCK Series

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

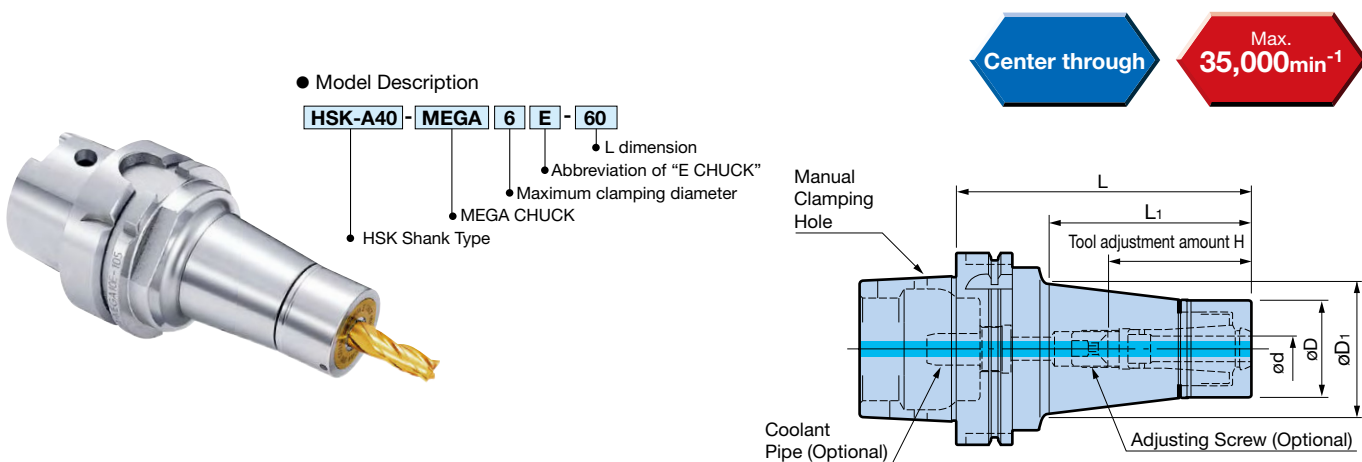
BIG-PLUS BDV SHANK Model	Clamping diameter ød	øD	L	L ₁	Max. min ⁻¹	Collet Model	Nut Model	Weight (kg)
BDV40-MEGA 6E- 90	3 - 6	25	90	60	30,000	MEC 6-□	MEN 6	1.2
-MEGA 8E- 60	3 - 8	30	60	30	30,000	MEC 8-□	MEN 8	1.2
- 90			90	63	30,000			1.3
-MEGA 10E- 60	3 - 10	35	60	33	30,000	MEC10-□	MEN10	1.3
- 90			90	64	30,000			1.4
-MEGA 13E- 60	3 - 12	42	60	35	30,000	MEC13-□	MEN13	1.5
- 90			90	61	30,000			1.7
-120			120	95	29,000			1.9
BDV50-MEGA 6E-120	3 - 6	25	120	90	20,000	MEC 6-□	MEN 6	3.3
-MEGA 8E-120	3 - 8	30	120	90	20,000	MEC 8-□	MEN 8	3.4
-MEGA 10E-120	3 - 10	35	120	90	20,000	MEC10-□	MEN10	3.6
-MEGA 13E- 90	3 - 12	42	90	60	18,000	MEC13-□	MEN13	3.6
-120			120	90	18,000			3.8
-165			165	137	16,000			4.4

1. The nut is included but the collet, wrench and Adjusting Screw 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. Through holes are provided, allowing switching between center through and flange through use.

Standard Accessory	Optional Accessories			
MEGA E Nut  For Spares 	Mega Wrench  	MEGA E Collet  	MEGA E PERFECT SEAL  	Adjusting Screw  

A high precision, high speed and high rigidity collet chuck especially for endmilling.

- Tapered body enhances damping effect by varying vibration frequency.
- Uses the MEGA E Collet designed for endmilling, delivering optimal clamping performance.



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

Model	Clamping diameter ød	øD	øD ₁	L	L ₁	H	Collet Model	Weight (kg)
HSK-A40-MEGA 6E- 60 ※	3 - 6	25	26	60	24	41	MEC 6-□	0.39
- 75 ※			28.5	75	39	55		0.45
-MEGA 8E- 65 ※	3 - 8	30	34	65	30	44	MEC 8-□	0.46
- 75 ※			34	75	40	54		0.51
-MEGA10E- 70 ※	3 - 10	35	35	70	35	48	MEC10-□	0.52
- 90			35	90	55	48 - 52		0.67
-MEGA13E- 70 ※	3 - 12	42	42	70	35	50	MEC13-□	0.62
- 90 ※			42	90	55	67		0.81
HSK-A50-MEGA 6E- 75	3 - 6	25	28.5	75	37	37 - 43	MEC 6-□	0.6
-MEGA 8E- 75 ※	3 - 8	30	33	75	40	42	MEC 8-□	0.7
-MEGA10E- 75 ※	3 - 10	35	38	75	40	48	MEC10-□	0.8
-MEGA13E- 75 ※	3 - 12	42	—	75	49	50	MEC13-□	0.9
-100			—	100	74	50 - 55		1.1
HSK-A63-MEGA 6E- 65 ※	3 - 6	25	26.5	65	28	43	MEC 6-□	0.9
- 90			30	90	51	37 - 45		1.0
-105			33	105	66			1.1
-120			36	120	82			1.2
-135			39	135	99			1.4
-MEGA 8E- 67 ※	3 - 8	30	31.5	67	30	45	MEC 8-□	0.9
- 90			35	90	52	37 - 45		1.1
-105			38	105	68	42 - 51		1.2
-120			40.5	120	83			1.4
-135			44	135	100			1.6
-MEGA10E- 75 ※	3 - 10	35	37.5	75	37	48	MEC10-□	1.1
- 90 ※			40	90	53	64		1.2
-105			43	105	69	48 - 58		1.4
-120			46	120	85			1.5
-135			43	135	99			1.7
-MEGA13E- 75 ※	3 - 12	42	44	75	31	49	MEC13-□	1.2
- 90 ※			45	90	46	64		1.4
-105			46	105	61	50 - 57		1.6
-120			47.5	120	77			1.8
-135			47	135	92			1.9

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.

4. ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank length that can be inserted into the holder.

5. 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.

6. Coolant pipe is not included. C65

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

Model	Clamping diameter øD	øD	øD ₁	L	L ₁	H	Collet Model	Weight (kg)
HSK-A100-MEGA 6E- 75 ※	3 - 6	25	28	75	33	46	MEC 6-□	2.5
- 90			29.5	90	48	37 - 45		2.6
-105			32.5	105	63			2.7
-120			35	120	78			2.8
-135			37.5	135	93			2.9
-165			43	165	123			3.2
-MEGA 8E- 75 ※			3 - 8	30	33	75		33
- 90	34.5	90			48	42 - 51	2.6	
-105	37	105			63		2.8	
-120	39.5	120			78		2.9	
-135	42.5	135			93		3.1	
-165	47.5	165			123		3.4	
-MEGA 10E- 80 ※	3 - 10	35			37.5	80	38	51
- 90 ※			39.5	90	48	61	2.7	
-105			42	105	63	48 - 58	2.9	
-120			44.5	120	78		3.1	
-135			47	135	93		3.3	
-165			52.5	165	123		3.7	
-MEGA 13E- 90 ※			3 - 12	42	46		90	48
-105	48.5	105			63	50 - 61	3.1	
-120	51.5	120			78		3.3	
-135	54	135			93		3.6	
-165	59	165			123		4.2	

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.

4. ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank length that can be inserted into the holder.

5. Please note that the practical spindle speed may be considerably influenced by the machine rigidity and tool balance.

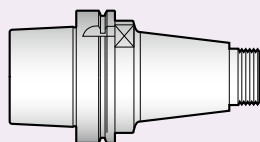
When using, slowly ramp up to the appropriate speed starting from slow speeds.

6. Coolant pipe is not included.  C65

Standard Accessory	Optional Accessories			
MEGA E Nut  For Spares  G13	Mega Wrench   G23	MEGA E Collet   G13	MEGA E PERFECT SEAL   G14	Adjusting Screw   G13

When ordering a **MEGA E PERFECT SEAL**, the "Nut-Less Body" without the standard nut attached is also available.

- **Example** Attach **/NL** (Nut less) to the end of the holder model number and order the MEC Collet/MEGA E PERFECT SEAL separately.



MEGA E CHUCK Model + /NL
(Nut not attached)
HSK-A40-MEGA6E-60/NL

+



MEC Collet
MEC6-3AA

+



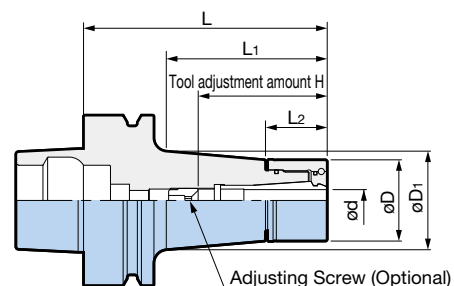
MEGA E PERFECT SEAL Model
EPS6-03

High precision holder with superior collet chuck technology and the pursuit of high-speed and powerful endmilling.



● Model Description

- HSK-F63** - **MEGA** **6** **E** - **65**
- HSK Shank Type
 - MEGA CHUCK
 - Maximum clamping diameter
 - Abbreviation of "E CHUCK"
 - L dimension

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

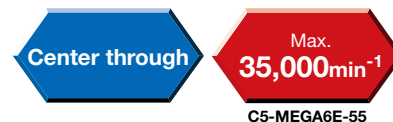
Model	Clamping diameter ød	øD	øD ₁	L	L ₁	L ₂	Tool adjustment amount H	Collet Model	Weight (kg)
HSK-F63-MEGA 6E- 65 ※	3 - 6	25	28.5	65	34	21	39	MEC 6-□	0.8
- 90			31.5	90	58		37 - 45		0.9
-MEGA 8E- 65 ※	3 - 8	30	33	65	34	22.5	41	MEC 8-□	0.8
- 90			36.5	90	59		42 - 47		1.0
-MEGA10E- 75 ※	3 - 10	35	38.5	75	44	23	48	MEC10-□	1.0
- 90 ※			41.5	90	59		67		1.2
-105			44	105	75		48 - 58		1.3
-120			47	120	91				1.6
-135			49	135	107				1.8
-MEGA13E- 75 ※			46	75	47				50
- 90 ※	3 - 12	42	48.5	90	62	64	1.4		
-105			51	105	78	50 - 58	1.6		
-135			52	135	108	50 - 60	2.0		

1. Nut is included. Adjusting Screw, collet and wrench must be ordered separately.
2. Tool adjustment amount "H" indicates the adjustment length with an Adjusting Screw.
3. ※ marked models cannot be used with Adjusting Screws. H 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. For machines which cannot be used with a through hole, order a plug separately.

Standard Accessory	Optional Accessories			
MEGA E Nut For Spares	Mega Wrench 	MEGA E Collet 	MEGA E PERFECT SEAL 	Adjusting Screw

New collet chuck designed for endmilling.

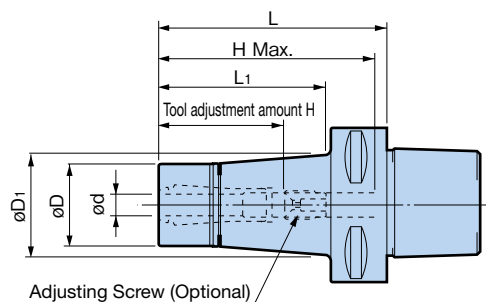
Powerful gripping force and substantial body design with high bending rigidity provide optimum endmilling performance.



● Model Description

C4 - **MEGA** **6** **E** - **50**

- L dimension
- E CHUCK
- Maximum clamping diameter
- MEGA CHUCK
- Shank No.



C4/C5

Model	Clamping diameter $\varnothing d$	$\varnothing D$	$\varnothing D_1$	L	L ₁	H	H Max.	Collet Model	Weight (kg)
C4 -MEGA 6E- 50 ※	3 - 6	25	26	50	25	44	44	MEC 6-□	0.4
-MEGA 8E- 50 ※	3 - 8	30	31	50	28	44	44	MEC 8-□	0.5
-MEGA10E- 55 ※	3 - 10	35	37	55	34	49	49	MEC10-□	0.5
-MEGA13E- 60 ※	3 - 12	42	—	60	—	50	50	MEC13-□	0.6
C5 -MEGA 6E- 55 ※	3 - 6	25	26.5	55	29	48	48	MEC 6-□	0.5
- 90			32.5	90	64	37 - 45	83		0.7
-105			35.5	105	81		98		0.8
-120			38	120	97		113		0.9
-MEGA 8E- 55 ※			31.5	55	31	48	48	MEC 8-□	0.6
- 90	3 - 8	30	37.5	90	67	42 - 51	83		0.8
-105			40.5	105	82		98		1.0
-120			43	120	98		113		1.1
-MEGA10E- 60 ※	3 - 10	35	37.5	60	37	53	53	MEC10-□	0.6
- 90			43	90	69	48 - 58	83		0.9
-105			45.5	105	84		98		1.1
-120			45.5	120	99		113		1.3
-MEGA13E- 60 ※			44.5	60	39	50	50	MEC13-□	0.8
- 75 ※	3 - 12	42	45	75	54	68	68		0.9
- 90			45	90	69	50 - 60	83		1.1
-105			46	105	84		98		1.3
-120			46	120	99		113		1.4

Refer to the remarks on the next page.

C6/C8

Model	Clamping diameter $\varnothing d$	$\varnothing D$	$\varnothing D_1$	L	L ₁	H	H Max.	Collet Model	Weight (kg)
C6 -MEGA 6E- 60 ※	3 - 6	25	28	60	33	51	51	MEC 6-□	1.2
- 75			29.5	75	48	37 - 45	66		1.3
- 90			32.5	90	63		81		1.4
-105			35	105	78		96		1.5
-120			37.5	120	93		111		1.6
-135			40	135	108		126		1.8
-165			45.5	165	138		156		2.1
-MEGA 8E- 60 ※			33	60	33	51	51	MEC 8-□	1.3
- 75	3 - 8	30	34.5	75	48	42 - 46	66		1.4
- 90			37	90	63	42 - 51	81		1.5
-105			39.5	105	78		96		1.7
-120			42.5	120	93		111		1.8
-135			45	135	108		126		1.9
-165			50.5	165	140		156		2.4
-MEGA10E- 65 ※	3 - 10	35	38.5	65	38	56	56	MEC10-□	1.4
- 75			39.5	75	48	66	66		1.5
- 90			42	90	63	48 - 58	81		1.6
-105			44.5	105	78		96		1.8
-120			47	120	93		111		2.0
-135			50	135	110		126		2.2
-165			55.5	165	141		156		2.7
-MEGA13E- 65 ※	3 - 12	42	45.5	65	39	56	56	MEC13-□	1.5
- 75			46	75	49	66	66		1.6
- 90			49	90	66	50 - 55	81		1.8
-105			51.5	105	80		96		2.1
-120			54.5	120	96	50 - 60	111		2.3
-135			57	135	112		126		2.6
-165			62.5	165	141		156		3.2
C8 -MEGA 6E- 90	3 - 6	25	31	90	55	37 - 45	90	MEC 6-□	2.6
-135			38.5	135	100		135		3.0
-MEGA 8E- 90	3 - 8	30	35.5	90	55	42 - 51	90	MEC 8-□	2.7
-135			43.5	135	100		135		3.2
-MEGA10E- 90	3 - 10	35	40.5	90	55	48 - 58	90	MEC10-□	2.8
-120			46	120	85		120		3.2
-135			48.5	135	100		135		3.4
-MEGA13E- 90	3 - 12	42	47	90	55	50 - 60	90	MEC13-□	3.0
-120			52.5	120	85		120		3.4
-135			55	135	100		135		3.7
-165			60.5	165	130		165		4.3

1. Nut is included. Adjusting Screw, collet and wrench must be ordered separately.

2. Weight includes the nut but not the collet.

3. Center through coolant supply is available.

4. ※ marked models cannot be used with Adjusting Screws. H dimension is the max. tool shank length that can be inserted into the holder.

Standard Accessory	Optional Accessories			
MEGA E Nut  For Spares 	Mega Wrench  	MEGA E Collet  	MEGA E PERFECT SEAL  	Adjusting Screw  

Note that suitable Mega Wrench models differ between the Mega E Chuck and Mega New Baby Chuck even for the same body size series, i.e. MEGA6E and MEGA6N require different wrenches from each other.