



**MAX 40,000 min<sup>-1</sup>**

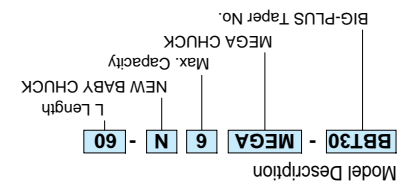
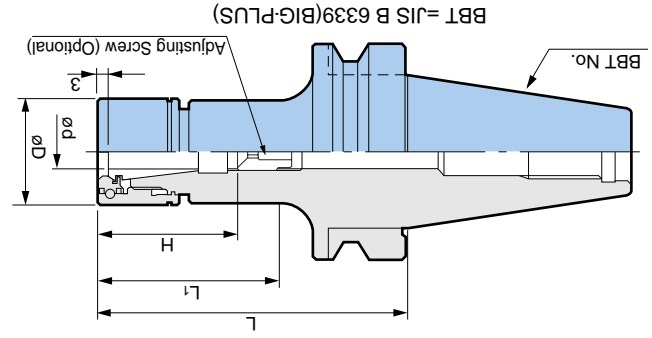
Clamping Range :  $\varnothing$  0.25 -  $\varnothing$  20

Coolant Through Hole



# MEGA NEW BABY CHUCK PAT.

Ideal ultra precision holders for high speed machining with carbide drills, reamers and endmills. Wide range of lengths and a variety of collet series sizes covers all machining applications up to  $\varnothing$ 20mm. Standard New Baby Collets are used, which guarantee a runout within 1 micron at the collet chuck nose.



Model	Clamping Range $\varnothing$	$\varnothing$ D	L	L <sub>1</sub>	H	MAX. min <sup>-1</sup>	Collet Model	Nut Model	Weight (kg)
BBT30-MEGA 6N-60	0.25 - 6	20	60	32	40,000	40,000	NBC 6-□	MGN 6	0.47
			75	47					0.5
			90	62					0.53
-105	0.25 - 6	20	105	77	18,000	20,000	NBC 6-□	MGN 6	0.56
			90	62					0.59
			75	47					0.51
-MEGA 8N-60	0.5 - 8	25	60	34	40,000	30,000	NBC 8-□	MGN 8	0.56
			75	49					0.61
			90	64					0.67
-105	0.5 - 8	25	105	79	20,000	18,000	NBC 8-□	MGN 8	0.72
			90	64					0.82
			75	49					0.82
-MEGA 10N-60	1.5 - 10	30	60	34	40,000	30,000	NBC 10-□	MGN 10	0.54
			75	49					0.61
			90	64					0.68
-105	1.5 - 10	30	105	79	18,000	15,000	NBC 10-□	MGN 10	0.75
			90	64					0.82
			75	49					0.82
-MEGA 13N-60	2.5 - 13	35	60	34	40,000	30,000	NBC 13-□	MGN 13	0.54
			75	49					0.63
			90	64					0.72
-105	2.5 - 13	35	105	79	18,000	15,000	NBC 13-□	MGN 13	0.82
			90	64					0.91
			75	49					0.91
-MEGA 16N-60	2.5 - 16	42	60	36	35,000	25,000	NBC 16-□	MGN 16	0.66
			75	51					0.81
			90	66					0.95
-105	2.5 - 16	42	105	81	18,000	20,000	NBC 16-□	MGN 16	1.1
			90	66					1.1
			75	51					1.1
MEGA20N-60	2.5 - 20	46	60	36	30,000	20,000	NBC 20-□	MGN 20	0.71
			75	51					0.86
			90	66					1.0
-105	2.5 - 20	46	105	81	13,000	15,000	NBC 20-□	MGN 20	1.15
			90	66					1.15
			75	51					1.15

Model	Clamping Range $\varnothing$	$\varnothing$ D	L	L <sub>1</sub>	H	MAX. min <sup>-1</sup>	Collet Model	Nut Model	Weight (kg)
BBT40-MEGA 6N-60	0.25 - 6	20	60	23	35,000	35,000	NBC 6-□	MGN 6	1.0
			75	38					1.05
			90	53					1.1
-105	0.25 - 6	20	105	68	20,000	20,000	NBC 6-□	MGN 6	1.14
			90	53					1.14
			75	38					1.14
-MEGA 8N-60	0.5 - 8	25	60	27	35,000	35,000	NBC 8-□	MGN 8	1.0
			75	42					1.05
			90	57					1.1
-105	0.5 - 8	25	105	72	20,000	20,000	NBC 8-□	MGN 8	1.14
			90	57					1.14
			75	42					1.15
MEGA10N-60	1.5 - 10	30	60	26	35,000	35,000	NBC 10-□	MGN 10	1.1
			75	42					1.15
			90	57					1.2
-105	1.5 - 10	30	105	72	20,000	20,000	NBC 10-□	MGN 10	1.27
			90	57					1.27
			75	42					1.34
-MEGA 13N-60	2.5 - 13	35	60	31	35,000	35,000	NBC 13-□	MGN 13	1.1
			75	40					1.12
			90	55					1.2
-105	2.5 - 13	35	105	70	20,000	20,000	NBC 13-□	MGN 13	1.3
			90	55					1.3
			75	40					1.3
-MEGA 16N-60	2.5 - 16	42	60	31	30,000	30,000	NBC 16-□	MGN 16	1.2
			75	40					1.2
			90	55					1.3
-105	2.5 - 16	42	105	70	20,000	20,000	NBC 16-□	MGN 16	1.6
			90	55					1.6
			75	40					1.7
-MEGA 20N-60	2.5 - 20	46	60	30	30,000	30,000	NBC 20-□	MGN 20	1.1
			75	42					1.25
			90	57					1.4
-105	2.5 - 20	46	105	72	20,000	20,000	NBC 20-□	MGN 20	1.8
			90	57					1.8
			75	42					1.9
-165	2.5 - 20	46	165	132	15,000	15,000	NBC 20-□	MGN 20	2.1
			135	102					2.1
			120	87					2.5

1. MEGA NEW BABY Nut is included. Collet and wrench must be ordered separately. 2. Weight does not include collet. 3. Designed to be capable of supplying coolant through spindle. 4. The "MAX" allowable spindle speed listed in the table is directly influenced by the rigidity of the machine and balance of cutting tool. Therefore, it is possible that the max. allowable speed may not always be achievable. BIG-PLUS toolholders can be used in machining centers with conventional spindles.

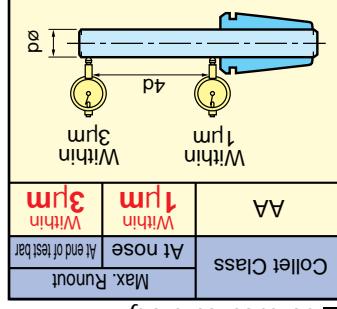
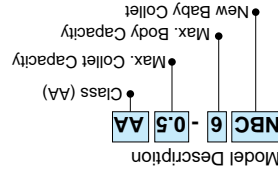
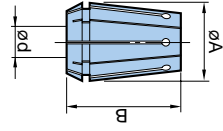
For NEW BABY COLLET for ENDMILL P13  
For NEW BABY COLLET P14  
For MEGA WRENCH P17  
For ADJUSTING SCREW P17

**BIG MEGA PERFECT SEAL** is recommended with the use of coolant through cutting tools.

**NEW BABY COLLET**



The **BIG** New Baby Collet is world renowned for its unmatched accuracy and precision. It offers runout less than 1µm at the collet nose, which is a decided advantage in high speed machining.



Collet concentricity

Model	Clamping Range øD
NBC 6-0.5 AA	0.25 - 0.50
-1 AA	0.50 - 0.75
-1.25AA	0.75 - 1.00
-1.5 AA	1.00 - 1.25
-1.75AA	1.25 - 1.50
-1 AA	1.50 - 1.75
-2 AA	1.75 - 2.00
-2.25AA	2.00 - 2.25
-2.5 AA	2.25 - 2.50
-2.75AA	2.50 - 2.75
-3 AA	2.75 - 3.00
-3.175AA	2.925 - 3.175
-3.5 AA	3.00 - 3.50
-3.75AA	3.75 - 4.00
-4 AA	4.00 - 4.25
-4.25AA	4.25 - 4.50
-4.5 AA	4.50 - 4.75
-4.75AA	4.75 - 5.00
-5 AA	5.00 - 5.25
-5.25AA	5.25 - 5.50
-5.5 AA	5.50 - 5.75
-6 AA	5.75 - 6.00

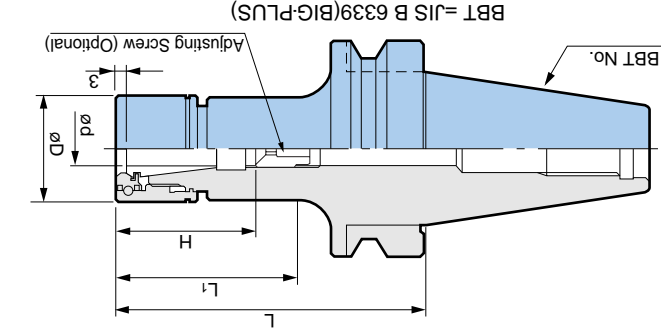
Model	Clamping Range øD
NBC 8-0.75AA	0.5 - 0.75
-1 AA	0.75 - 1.0
-1.25AA	1.0 - 1.25
-1.5 AA	1.25 - 1.5
-1.75AA	1.5 - 1.75
-2 AA	1.75 - 2.0
-2.25AA	2.0 - 2.25
-2.5 AA	2.25 - 2.5
-2.75AA	2.5 - 2.75
-3 AA	2.75 - 3.0
-3.175AA	2.925 - 3.175
-3.5 AA	3.0 - 3.5
-4 AA	4.0 - 4.5
-4.5 AA	4.5 - 5.0
-5 AA	5.0 - 5.5
-5.5 AA	5.5 - 6.0
-6 AA	6.0 - 6.5
-6.5 AA	6.5 - 7.0
-7 AA	7.0 - 7.5
-7.5 AA	7.5 - 8.0

Model	Clamping Range øD
NBC 10-1.75AA	1.5 - 1.75
-2 AA	1.75 - 2.0
-2.25AA	2.0 - 2.25
-2.5 AA	2.25 - 2.5
-2.75AA	2.5 - 2.75
-3 AA	2.75 - 3.0
-3.175AA	2.925 - 3.175
-3.5 AA	3.0 - 3.5
-4 AA	4.0 - 4.5
-4.5 AA	4.5 - 5.0
-5 AA	5.0 - 5.5
-5.5 AA	5.5 - 6.0
-6 AA	6.0 - 6.5
-6.5 AA	6.5 - 7.0
-7 AA	7.0 - 7.5
-7.5 AA	7.5 - 8.0
-8 AA	8.0 - 8.5
-8.5 AA	8.5 - 9.0
-9 AA	9.0 - 9.5
-9.5 AA	9.5 - 10.0

Model	Clamping Range øD
NBC 13-3 AA	2.5 - 3.0
-3.5AA	3.0 - 3.5
-4 AA	3.5 - 4.0
-4.5AA	4.0 - 4.5
-5 AA	4.5 - 5.0
-5.5AA	5.0 - 5.5
-6 AA	6.0 - 6.5
-6.5AA	6.5 - 7.0
-7 AA	7.0 - 7.5
-7.5AA	7.5 - 8.0
-8 AA	8.0 - 8.5
-8.5AA	8.5 - 9.0
-9 AA	9.0 - 9.5
-9.5 AA	9.5 - 10.0
-10 AA	10.0 - 10.5
-10.5AA	10.5 - 11.0
-11 AA	11.0 - 11.5
-11.5AA	11.5 - 12.0
-12 AA	12.0 - 12.5
-12.5AA	12.5 - 13.0
-13 AA	13.0 - 13.5
-13.5AA	13.5 - 14.0
-14 AA	14.0 - 14.5
-14.5AA	14.5 - 15.0
-15 AA	15.0 - 15.5
-15.5AA	15.5 - 16.0

Model	Clamping Range øD
NBC 16-3 AA	2.5 - 3.0
-3.5AA	3.0 - 3.5
-4 AA	3.5 - 4.0
-4.5AA	4.0 - 4.5
-5 AA	4.5 - 5.0
-5.5AA	5.0 - 5.5
-6 AA	6.0 - 6.5
-6.5AA	6.5 - 7.0
-7 AA	7.0 - 7.5
-7.5AA	7.5 - 8.0
-8 AA	8.0 - 8.5
-8.5AA	8.5 - 9.0
-9 AA	9.0 - 9.5
-9.5 AA	9.5 - 10.0
-10 AA	10.0 - 10.5
-10.5AA	10.5 - 11.0
-11 AA	11.0 - 11.5
-11.5AA	11.5 - 12.0
-12 AA	12.0 - 12.5
-12.5AA	12.5 - 13.0
-13 AA	13.0 - 13.5
-13.5AA	13.5 - 14.0
-14 AA	14.0 - 14.5
-14.5AA	14.5 - 15.0
-15 AA	15.0 - 15.5
-15.5AA	15.5 - 16.0

Model	Clamping Range øD
NBC 20-3 AA	2.5 - 3.0
-3.5AA	3.0 - 3.5
-4 AA	3.5 - 4.0
-4.5AA	4.0 - 4.5
-5 AA	4.5 - 5.0
-5.5AA	5.0 - 5.5
-6 AA	6.0 - 6.5
-6.5AA	6.5 - 7.0
-7 AA	7.0 - 7.5
-7.5AA	7.5 - 8.0
-8 AA	8.0 - 8.5
-8.5AA	8.5 - 9.0
-9 AA	9.0 - 9.5
-9.5 AA	9.5 - 10.0
-10 AA	10.0 - 10.5
-10.5AA	10.5 - 11.0
-11 AA	11.0 - 11.5
-11.5AA	11.5 - 12.0
-12 AA	12.0 - 12.5
-12.5AA	12.5 - 13.0
-13 AA	13.0 - 13.5
-13.5AA	13.5 - 14.0
-14 AA	14.0 - 14.5
-14.5AA	14.5 - 15.0
-15 AA	15.0 - 15.5
-15.5AA	15.5 - 16.0
-16 AA	16.0 - 16.5
-16.5AA	16.5 - 17.0
-17 AA	17.0 - 17.5
-17.5AA	17.5 - 18.0
-18 AA	18.0 - 18.5
-18.5AA	18.5 - 19.0
-19 AA	19.0 - 19.5
-19.5AA	19.5 - 20.0



Model	Clamping Range øD	L	L1	H	MAX. min <sup>-1</sup>	Collet Model	Nut Model	Weight (kg)
BRT50-MEGA 6N- 90	0.25 - 6	90	37	20,000	3.7	NBC 6-□	MGN 6	3.8
-120		120	67	20,000	3.9			
-165		165	112	16,000	4.1			
-200		200	147	11,000	4.2			
-MEGA 8N- 90	0.5 - 8	90	37	20,000	3.8	NBC 8-□	MGN 8	4.0
-120		120	67	20,000	3.9			
-165		165	112	16,000	4.3			
-200		200	147	13,000	4.7			
-MEGA 10N- 90	1.5 - 10	30	197	8,000	4.7	NBC 10-□	MGN 10	4.9
-120		120	67	20,000	4.0			
-165		165	112	16,000	4.3			
-200		200	147	18,000	4.2			
-MEGA 13N- 90	2.5 - 13	35	247	5,500	4.7	NBC 13-□	MGN 13	5.0
-120		120	67	18,000	4.2			
-165		165	112	16,000	4.5			
-200		200	147	12,000	4.7			
-MEGA 16N- 75	2.5 - 16	42	31	17,000	4.0	NBC 16-□	MGN 16	5.3
-120		120	72	17,000	4.4			
-165		165	117	16,000	4.8			
-200		200	152	10,000	5.1			
-MEGA 20N- 75	2.5 - 20	46	31	15,000	5.7	NBC 20-□	MGN 20	5.7
-120		120	76	16,000	4.2			
-165		165	121	16,000	4.5			
-200		200	156	13,000	5.3			
-250		250	206	10,000	5.7			

1. MEGA NEW BABY Nut is included. Collet and wrench must be ordered separately.  
 2. Weight does not include collet.  
 3. Designed to be capable of supplying coolant through spindle.  
 4. The "MAX" allowable spindle speed listed in the table is directly influenced by the rigidity of the machine and balance of cutting tool. Therefore, it is possible that the max. allowable speed may not always be achievable.  
 BIG-PLUS toolholders can be used in machining centers with conventional spindles.

**BIG MEGA PERFECT SEAL** is recommended with the use of coolant through cutting tools.

For MEGA WRENCH P17  
 For ADJUSTING SCREW P17



**NEW BABY COLLET**

FOR ENDMILL



Use only a cutting tool shank with exactly the same diameter as the collet bore diameter.  
 The tolerance of the cutting tool shank must be within h7.

