

Accelerates the machine spindle. Improves productivity for machines with low spindle speeds.

- BIG's gear drive with a long track record is used for the drive system. High torque and low heat generation are achieved.



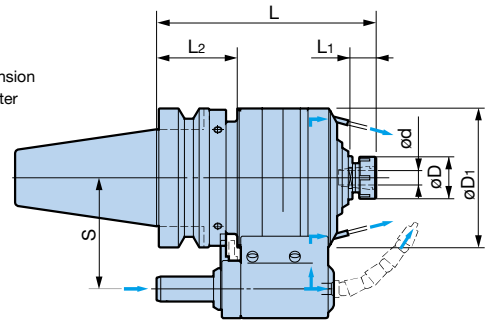
**GTG type**



● Model Description

**BBT40 - GTG 5 - 8 - 139**

- BBT40 - BIG-PLUS BT No.
- GTG - HIGH SPINDLE
- 5 - 5x speed increase ratio
- 8 - Clamping diameter
- 139 - L dimension



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 <sub>1</sub>	L	L <sub>1</sub>	L <sub>2</sub>	S	Collet Model	Speed ratio	Max. (min <sup>-1</sup> )	Allowable torque N·m	Weight (kg)
<b>BBT40-GTG5- 8-139</b>	0.5 - 8	25	80	139	19	43	65	NBC8	4.67	20,000	7.8	4.8
- 8-180				180	60			4.9				
-10-140				140	20			4.8				
<b>-10-180</b>	1.5 - 10	30	110	180	60	58	80	NBC10	5.67	20,000	8.0	4.9
<b>BBT50-GTG6- 8-157</b>				157	19			8.8				
<b>- 8-200</b>	0.5 - 8	25	100	200	62	58	80	NBC8	5.67	20,000	8.0	8.9
<b>-10-158</b>				158	20			8.8				
<b>-10-200</b>				200	62			9.0				
<b>-GTG4-16-177</b>	2.5 - 16	42	110	177	25.5	58	80	NBC16	3.8	15,000	27.7	10.6
<b>-16-220</b>				220	68.5			11.0				

1. The allowable torque is a calculated value of the drive system, and not the actual torque in cutting.
2. The maximum diameter when using an endmill is ø8 (GTG5, GTG6) and ø12 (GTG4).
3. A Stop Block is required when mounting on machines.
4. For continuous rotation of over 30 minutes, the spindle speed should be set within 80% of the maximum speed.
5. 1 pce. of the New Baby Collet in the table on the right is included.
6. Nut and 2 tightening wrenches are included.

Body Model	Included Collet Model
<b>GTG5- 8</b>	NBC 8- 8AA
<b>GTG5-10</b>	NBC10-10AA
<b>GTG6- 8</b>	NBC 8- 8AA
<b>GTG6-10</b>	NBC10-10AA
<b>GTG4-16</b>	NBC16-16AA



Collets **G5**  
Stop Blocks **G37**

Please contact us if using neat oil coolant that may cause fire, or grinding or machining materials that generate powdery chips such as carbide.

## GTX Type

- Bending rigidity is significantly improved.
- Long nose design ideal for mold machining.



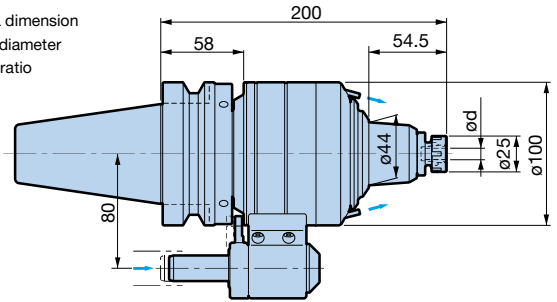
**Ideal for mold machining!**



● Model Description

**BBT50** - **GTX** **6** - **8** - **200**

- BIG-PLUS BT No.
- HIGH SPINDLE
- 6x speed increase ratio
- Clamping diameter
- L dimension



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	Speed ratio	Collet Model	Max. speed (30 min) min <sup>-1</sup>	Continuous speed min <sup>-1</sup>	Allowable torque N·m	Weight (kg)
<b>BBT50-GTX6-8-200</b>	0.5 - 8	5.67	NBC8	24,000	20,000	8.0	9.3

1. The allowable torque is a calculated value of the drive system, and not the actual torque in cutting.
2. The maximum clamping diameter when using a drill is ø4mm.
3. A Stop Block is required when mounting on machines.
4. For continuous operation of over 30 minutes, the continuous speed listed in the table is recommended.
5. Collet is not included. Please order separately.
6. Nut and 2 tightening wrenches are included.

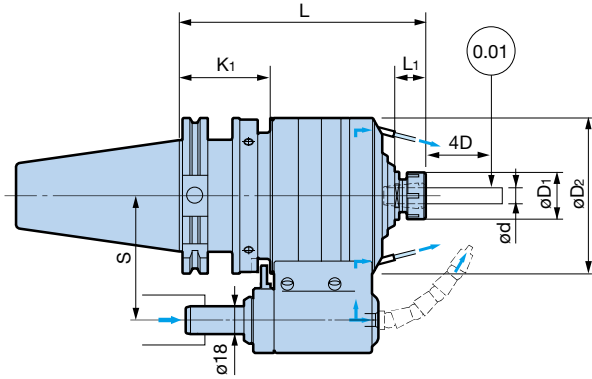


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**GTG Type**



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

Please contact our agent when using neat oil coolant that may cause fire, or grinding or machining materials that generate powdery chips such as carbide.

BIG-PLUS BDV SHANK Model	ød	L	L <sub>1</sub>	øD <sub>1</sub>	øD <sub>2</sub>	K <sub>1</sub>	S	Collet Model	Speed ratio	Max. (min <sup>-1</sup> )	Weight (kg)
<b>BDV40-GTG5-10-155</b>	1.5 - 10	155	20	30	80	58	65	NBC10	4.67	20,000	5.0
<b>BDV50-GTG6-10-163</b>	1.5 - 10	163	20	30	100	63	80	NBC10	5.67	20,000	9.0
<b>-GTG4-16-182</b>	2.5 - 16	182	25.5	42	110	63	80	NBC16	3.80	15,000	10.8

- The allowable torque is a calculated value of the drive system, and not the actual torque in cutting.
- The maximum diameter when using an endmill is ø8 (GTG5, GTG6) and ø12 (GTG4).
- A Stop Block is required when mounting on machines.
- For continuous rotation of over 30 minutes, the spindle speed should be set within 80% of the maximum speed.
- Nut, wrench, and exclusive spanner are included.

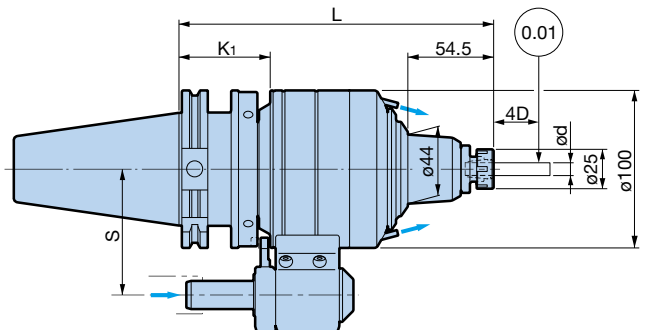


Collets **G5** Stop Blocks **G37**

Body Model	Included Collet Model (1 pc)
<b>GTG5-10</b>	NBC10-10AA
<b>GTG6-10</b>	NBC10-10AA
<b>GTG4-16</b>	NBC16-16AA

**GTX Type**

- Bending rigidity is significantly improved.
- Long nose design ideal for mold machining.



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

BIG-PLUS BDV SHANK Model	ød	L	K <sub>1</sub>	S	Collet Model	Max. speed (30 min) min <sup>-1</sup>	Continuous speed min <sup>-1</sup>	Weight (kg)
<b>BDV50-GTX6-8-205</b>	0.5 - 8	205	62	80	NBC8	24,000	20,000	9.5

- The allowable torque is a calculated value of the drive system, and not the actual torque in cutting.
- The maximum clamping diameter when using a drill is ø4mm.
- A Stop Block is required when mounting on machines.
- For continuous operation of over 30 minutes, the continuous speed is recommended.
- Collet is not included. Please order separately.
- Nut, wrench, and exclusive spanner are included.



Stop Blocks **G37** Collets **G5**