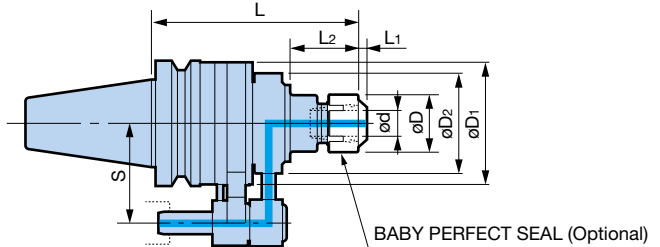


Unique separate sealing structure extends service life.

- Independent bearing and sealing sections eliminate infiltration of coolant into bearings.
- The seal replacement system allows maintenance and thus helps reduce costs.



NEW BABY CHUCK Type PAT.



● Model Description

BBT30 - **ONBS** **10** **N** - **135**

- Hi-JET TYPE
- Maximum clamping diameter
- OIL HOLE NEW BABY 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	ød	øD	øD ₁	øD ₂	L	L ₂	Max. min ⁻¹	Merit Set (spare)	Weight (kg)	Perfect Seal Model	Collet Model		
BBT30-ONBS10N-135	3 - 10	30	66	65	138	18	10,000	MES-40	2.7	BPS10	NBC10		
-ONBS13N-140	3 - 13	35			23	2.7			BPS13	NBC13			
-ONBS16N-140	3 - 16	42			24	2.6			BPS16	NBC16			
-ONBS20N-140	3 - 20	46			24	2.6			BPS20	NBC20			
BBT40-ONBS10N-165	3 - 10	30	81.6	73	168	46	10,000	MES-40	3.9	BPS10	NBC10		
-200					203	82	8,000		4.1				
-ONBS13N-165	3 - 13	35			168	47	10,000		4.0	BPS13	NBC13		
-200					203	82	8,000		4.2				
-ONBS16N-165	3 - 16	42			80	80	168	47	8,000	MES-50	4.3	BPS16	NBC16
-200							203	82	6,000		4.6		
-ONBS20N-165	3 - 20	46					168	48	8,000		4.3	BPS20	NBC20
-200							203	83	6,000	4.7			

1. Max. coolant pressure is 2MPa.
2. Wrench, nut (BPS), collet and adjusting screw are sold separately. BBT30 models include adjusting screw. Order together with a Perfect Seal of appropriate size.
3. For L₁, refer to Baby Perfect Seal on G24.
4. The standard S pitch is BBT40 = 65 and BBT50 = 80. For BBT30, it depends on the machine model.
5. A Stop Block is required when mounting on machines. Please order separately.



For Stop Blocks, **G33**

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.

Optional Accessories

<p>Collet</p> <p>G4</p>	<p>BABY PERFECT SEAL</p> <p>G24</p>	<p>Adjusting Screw</p> <p>G10</p>
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BIG-PLUS (BBT Shank) tools can be used on both BIG-PLUS spindles and conventional **BT spindles**.

BIG-PLUS BBT SHANK Model	ød	øD	øD ₁	øD ₂	L	L ₂	Max. min ⁻¹	Merit Set (spare)	Weight (kg)	Perfect Seal Model	Collet Model
BBT50-ONBS10N-165	3 - 10	30	99.6	80	168	47	8,000	MES-50	7.2	BPS10	NBC10
-200					203	82	6,000		7.4		
-250					253	132	4,000		7.6		
-ONBS13N-165	3 - 13	35			168	47	8,000		7.3	BPS13	NBC13
-200					203	82	6,000		7.5		
-250					253	132	4,000		7.8		
-ONBS16N-165	3 - 16	42			168	50	8,000		7.5	BPS16	NBC16
-200					203	85	6,000		7.8		
-250					253	135	4,000		8.2		
-ONBS20N-165	3 - 20	46	168	51	8,000	7.5	BPS20	NBC20			
-200			203	86	6,000	7.9					
-250			253	136	4,000	8.2					

- Max. coolant pressure is 2MPa.
- Wrench, nut (BPS), collet and adjusting screw are sold separately.
Order together with a Perfect Seal of appropriate size.
- For L₁, refer to Baby Perfect Seal on G24.
- The standard S pitch is BBT50 = 80.
- A Stop Block is required when mounting on machines. Please order separately.

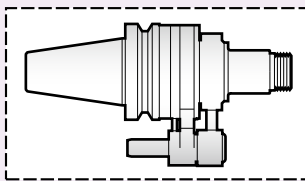


For Stop Blocks, **G33**

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.

● Example

Order together with a holder model and Perfect Seal of appropriate size



NEW BABY CHUCK TYPE MODEL (nut not included)
BBT40-ONBS10N-165

Optional Accessory
(Please order separately.)



New Baby Collet

G4

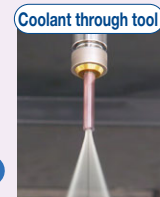
Optional Accessory
(Please order separately.)



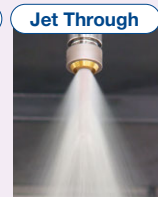
OIL HOLE SEAL NUT
BABY PERFECT SEAL MODEL
BPS10-03035



G24



Coolant through tool



Jet Through

For quotations or orders, please specify the machine tool manufacturer and model.

For wrenches, **G27**

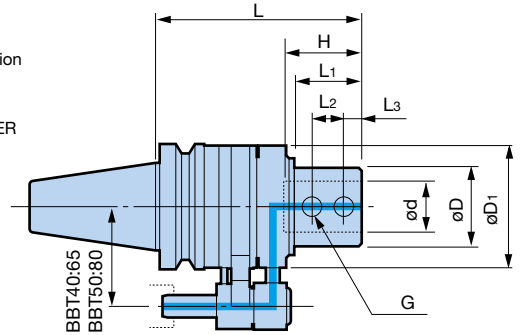
SIDE LOCK TYPE

● For cylindrical shank oil hole drills.

Coolant Feed



● Model Description
BBT40 - **OSL** **16** **N** - **150**
 ● L dimension
 ● Hi-JET TYPE
 ● Inner diameter
 ● OIL HOLE SIDE LOCK HOLDER
 ● 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	ød	øD	øD ₁	L	L ₁	L ₂	L ₃	G	H	Max. (min ⁻¹)	Merit Set	Weight (kg)
BBT40-OSL16N-150	16	48	81.6	150	35	14	14	M10	48	8,000	MES-50	4.4
-OSL20N-150	20	48		150	35							
-OSL25N-165	25	48		165	50							
-OSL32N-165	32	58	99.6	165	45	20	15	M16	60	6,000	MES-65	5.7
BBT50-OSL16N-150	16	48	99.6	150	38	14	14	M10	48	8,000	MES-50	7.5
-OSL20N-150	20	48		150	38							
-OSL25N-165	25	48		165	53							
-OSL32N-165	32	58		165	53	20	15	M16	56	6,000	MES-65	7.9
-OSL40N-165	40	64		165	53							
-OSL50N-185	50	84	129.6	185	54.5	25	70		70			

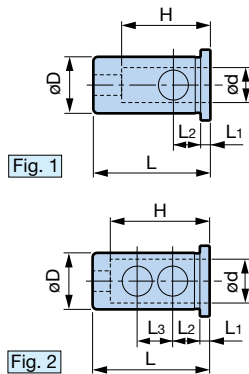
1. Max. coolant pressure is 2MPa.
2. A Stop Block is required when mounting on machines. Please order separately.

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.



For Stop Blocks, **G33**

For Side Lock type
SL Sleeve



Model	Fig.	ød	øD	L	L ₁	L ₂	L ₃	H
OSL25-16	1	16	25	62	5.5	15.5	—	48
-20		20						50
OSL32-16	1	16	32	66	5.5	15.5	—	48
-20		20						50
-25	2	25					20	56
OSL40-16	1	16	40	76	5.5	15.5	—	48
-20		20						50
-25		25						56
-32	2	32					25	60

MILLING CHUCK TYPE

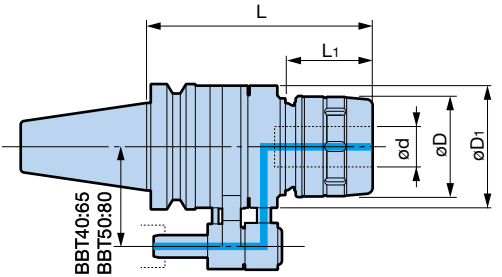
- High gripping force is ideal for endmilling.



● Model Description

BBT40 - **OMC** **20** **N** - **170**

- L dimension
- Hi-JET TYPE
- Clamping diameter
- OIL HOLE MILLING 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	ød	øD	øD ₁	L	L ₁	Max. (min ⁻¹)	Merit Set	Weight (kg)
BBT40-OMC20N-170	20	60	81.6	170	55	8,000	MES-50	4.8
-OMC32N-190	32	80	99.6	190	69	6,000	MES-65	6.5
BBT50-OMC20N-165	20	60	99.6	165	53	8,000	MES-50	6.8
-OMC32N-180	32	80		180	68	6,000	MES-65	8.5
-OMC42N-200	42	99	129.6	200	69	4,000	MES-90	13.5

1. Max. coolant pressure is 2MPa.
2. Contact a BIG agent for replacement of the Merit Set, as the clamping nut needs to be disassembled.
3. For the collet, use the Oil Hole Straight Collet (OCA).
4. A Stop Block is required when mounting on machines. Please order separately.
5. Wrench included.



For OCA Collets, **G20**
For Stop Blocks, **G33**

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.

Hi-JET HOLDER



BIG + **KAISER**
 CK SHANK TYPE

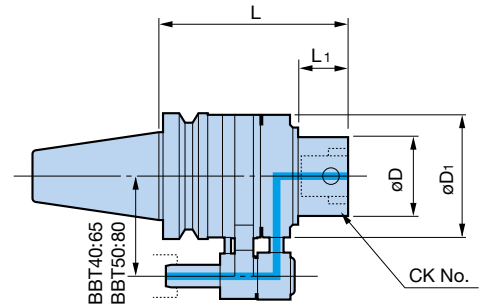
- Improves boring accuracy, insert life and chip evacuation.



● Model Description

BBT40 - **OCKB** **5** **N** - **138**

- L dimension
- Hi-JET TYPE
- CK No.
- OIL HOLE CK TYPE
- 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	CK No.	øD	øD ₁	L	L ₁	Max. (min ⁻¹)	Merit Set	Weight (kg)
BBT40-OCKB5N-138	CK5	50	81.6	138	23	8,000	MES-50	4.2
-OCKB6N-149	CK6	64	99.6	149	28	6,000	MES-65	5.4
BBT50-OCKB6N-139	CK6	64	99.6	139	27	6,000	MES-65	7.2
-OCKB7N-165	CK7	90	129.6	165	34.5	4,000	MES-90	12.3

1. Max. coolant pressure is 2MPa.
2. For boring heads, use the BIG+KAISER CK Boring System.
3. A Stop Block is required when mounting on machines. Please order separately.



For boring heads, **A38**

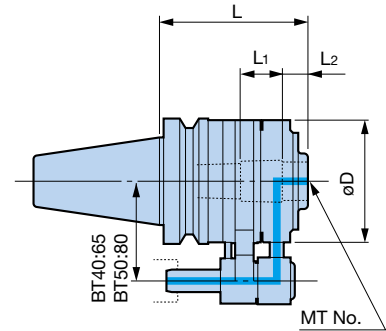
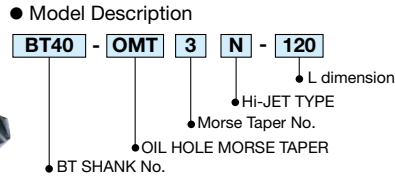
For Stop Blocks, **G33**

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.

MORSE TAPER TYPE

- Ideal for improving the life of Morse taper drills and accuracy of reaming.

Not BIG-PLUS (DUAL CONTACT) specification



BT SHANK Model	MT No.	øD	L	L ₁	L ₂	Max. (min ⁻¹)	Merit Set	Weight (kg)
BT40-OMT3N-120	MT3	81.6	120	23	18	8,000	MES-50	3.7
-OMT4N-120	MT4		120	35	20			3.3
BT50-OMT3N-115	MT3	99.6	115	23	18	8,000	MES-50	6.9
-OMT4N-120	MT4		120	34	21			6.6
-OMT5N-120	MT5		120	40	28	6,000	MES-65	6.4

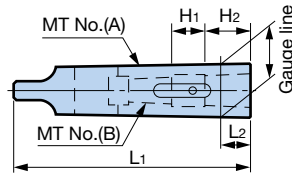
1. Max. coolant pressure is 2MPa.
2. A Stop Block is required when mounting on machines. Please order separately.

Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.



For Stop Blocks, **G33**

For Morse Taper type MT Sleeve



Model	MT No. (A)	MT No. (B)	L ₁	L ₂	H ₁	H ₂
OMT3-2	3	2	109	15	20	17
OMT4-2	4	2	122	4.5	20	17
-3		3	140	22.5	22	21

1. The OMT sleeve is an exclusive product for the BIG Hi-JET holder.

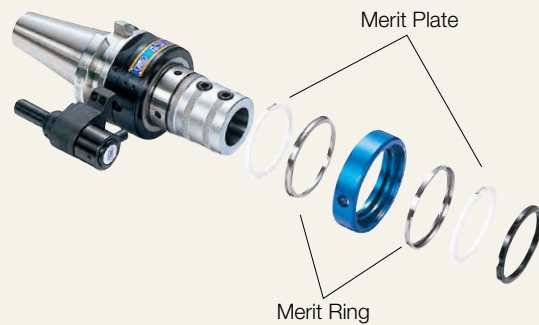
Maintenance parts for seal Merit Set

If excessive coolant leak occurs while using the Hi-JET holder due to wear of the seal, purchase the seal replacement part "Merit Set".

The model number is indicated in the dimension table for each Hi-JET Holder type.

<Merit Set contents>

- Merit Ring
- Merit Plate
- O-rings for Merit Case, 2 pcs each



1. Merit Set replacement at BIG is also available. Please feel free to contact us.

2. For replacement of the Merit Set of the Milling Chuck Type, contact a BIG agent, as the clamping nut needs to be replaced (paid service).

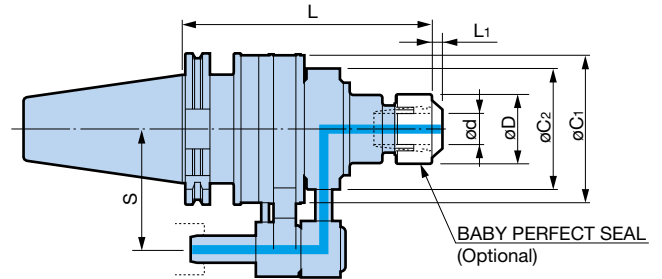
Unique separate sealing structure extends life.

- Independent bearing and sealing sections eliminate infiltration of coolant into bearings.
- The seal replacement system allows maintenance and thus helps reduce costs.

NEW BABY CHUCK Type PAT.



Not BIG-PLUS (DUAL CONTACT) specification



DV SHANK Model	Clamping diameter ød	øD	L	øC1	øC2	S	Collet Model	Max. (min ⁻¹)	Merit Set	Weight (kg)
DV40-ONBS13N-165	3 - 13	35	165	81.6	73	65	NBC13	10,000	MES-40	4.0
-ONBS16N-165	3 - 16	42					NBC16	8,000	MES-50	4.3
-ONBS20N-165	3 - 20	46					NBC20	8,000	4.3	
DV50-ONBS13N-165	3 - 13	35	165	99.6	80	80	NBC13	8,000	MES-50	7.3
-ONBS16N-165	3 - 16	42					NBC16			7.3
-ONBS20N-165	3 - 20	46					NBC20			7.5

1. Max. coolant pressure is 2MPa.
2. Wrench, nut (BPS), collet and Adjusting Screw are sold separately. Order together with a Perfect Seal of appropriate size.
3. For L₁, refer to the Baby Perfect Seal on G24.
4. A Stop Block is required when mounting on machines. Please order separately.



For Stop Blocks. **G33**
For Locating Pins. **G33**

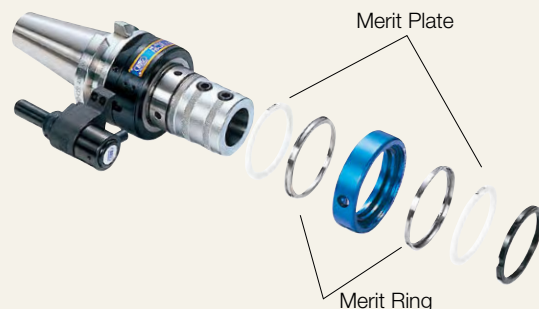
Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.

Optional Accessories		
<p>Collet</p> <p>G4</p>	<p>BABY PERFECT SEAL</p> <p>G24</p>	<p>Adjusting Screw</p> <p>G10</p>

Maintenance parts for seal **Merit Set**

If excessive coolant leak occurs while using the Hi-JET holder due to wear of the seal, purchase the seal replacement part "Merit Set".
The model name is indicated in the dimension table for each Hi-JET Holder type.

- <Merit Set contents>
- Merit Ring ● Merit Plate ● O-rings for Merit Case, 2 pcs each



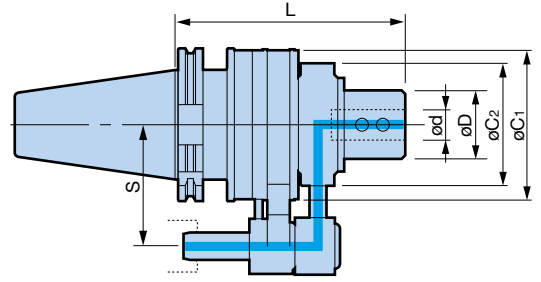
1. Merit Set replacement at BIG is also available. Please feel free to contact us.

SIDE LOCK TYPE

- For cylindrical shank oil hole drills.



Not BIG-PLUS (DUAL CONTACT) specification



DV SHANK Model	ød	øD	L	øC1	øC2	S	Max. (min ⁻¹)	Merit Set	Weight (kg)			
DV40-OSL16N-150	16	48	150	81.6	80	65	8,000	MES-50	4.4			
-OSL20N-150	20											
-OSL25N-165	25											
-OSL32N-165	32	58	165	99.6	98	80	6,000	MES-65	5.7			
DV50-OSL16N-150	16	48	150	99.6	80					8,000	MES-50	7.5
-OSL20N-150	20											
-OSL25N-165	25											
-OSL32N-165	32	58	165	129.6	121	80	6,000	MES-65	7.9			
-OSL40N-165	40	64	185							4,000	MES-90	11.9
-OSL50N-185	50	84										

1. Max. coolant pressure is 2MPa. 2. A Stop Block is required when mounting on machines. Please order separately.

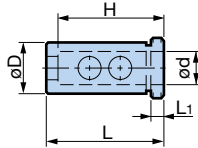
Using neat oil coolant carries a risk of fire due to excessive heat generation or ignition of the holder.



For Stop Blocks, **G33**

For Locating Pins, **G33**

For Side Lock type SL Sleeve



Model	ød	øD	L	L ₁	H
OSL25-16	16	25	62	5.5	48
-20	20				50
OSL32-16	16	32	66	5.5	48
-20	20				50
-25	25				56

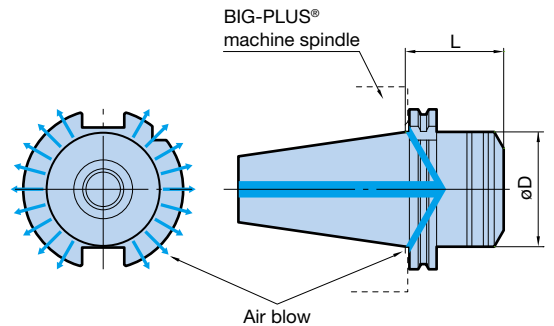
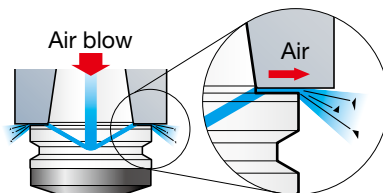
Model	ød	øD	L	L ₁	H
OSL40-16	16	40	76	5.5	48
-20	20				50
-25	25				56
-32	32				60

OTHER TOOLS

BIG-PLUS SPINDLE FLANGE FACE CLEANER

Cleans the spindle flange face of BIG-PLUS machines.

- Removes oil and chips on the spindle flange face.



Model	øD	L
SDV40-ASC-40T	45	40
SDV50-ASC-60T	70	60

1. When the Flange Face Cleaner is mounted on the BIG-PLUS machine tool spindle, a 1mm gap exists between the flanges of the spindle and the cleaner.