

# Tooling System for brother's M140%2

% These products can be used with the "M140X1".



## For External / Facing SBV•A

Code	Mod	el		L	L1	L2	L3	L4	В1	B2	ВЗ	H1	H2	НЗ	G	Kg
2120 12020098	DT20 CDV204	0 RA	00 (	00	EΛ	<b>-7</b>	7	20	20	20	44	20	20	0	N440	2.0
2120 12120098	BT30 -SBV202	LA	90 :	90	50	51	1	30	20	20	41	29	29	9	IVI IU	2.0

- 1. Direction of the coolant nozzle is adjustable.
- Please replace the standard coolant nozzle with the replacement copper tube coolant nozzle (included) in case coolant is not reaching the cutting edge.
- Please shorten the square bit if necessary.
- The location of the square bit can be changed by re-positioning the plate.

## ment copper tube coolant nozzle (Included) B1 108 86 Coolant nozzle

Right hand type shown above.

### **Ordering Example**

BT30 - SBV 2020 R A -98

Shank size

Left hand - L Right hand - R Projection length

#### For Facing

## SBH·A

Code		Model		L	L1	L2	В1	B2	ВЗ	H1	H2	Н3	H4	G	Kg
2120 11020081	DT20	-SBH2020	RA 01	01	20	40	20	44	20	20	20	12	20	N440	1 0
2120 11120081	B130	-SBHZUZU	LA -o i	01	20	40	20	41	20	29	29	13	32	IVI I U	1.0

- 1. Direction of the coolant nozzle is adjustable.
- Please replace the standard coolant nozzle with the replacement copper tube coolant nozzle (included) in case coolant is not reaching the cutting edge.
- Please shorten the square bit if necessary.
- 4. The location of the square bit can be changed by re-positioning the plate.

# Replacement copper tube coolant nozzle (Included) **B** 108 86 Coolant nozzle

Right hand type shown above.

#### **Ordering Example**

BT30 - SBH 2020 R A -81

Shank size

Left hand - L Right hand - R Projection length

#### **TSB** For Boring bar

Code		Model		Туре	d	D	L	L1	L2	L3	L4	L5	L6	G	Kg
2120 00010038	BT30	-TSB10	- 38	1	10	-	38	40	15	15	-	-	5	M6	0.8
2120 00010068	BT30	-TSB10	- 68	2	10	20	68	45	12	12	-	30	5	M6	0.9
2120 00012038	BT30	-TSB12	- 38	1	12	-	38	40	15	15	-	-	5	M6	0.8
2120 00012068	BT30	-TSB12	- 68	2	12	22	68	65	12	12	26	30	5	M6	0.9
2120 00016038	BT30	-TSB16	- 38	1	16	-	38	46	15	15	-	-	5	M6	0.8
2120 00016068	BT30	-TSB16	- 68	2	16	27.5	68	76	12	12	26	30	5	M6	0.9
2120 00020038	BT30	-TSB20	- 38	1	20	-	38	46	15	15	-	-	5	M6	0.8

#### **Ordering Example**

- TSB 20 -**BT30** 

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Shank size

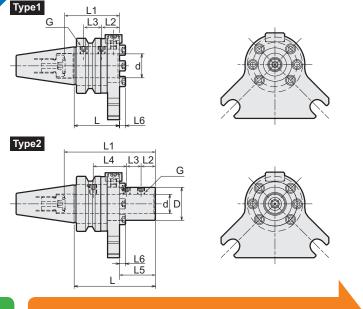
Projection length

#### **Retention Stud**

● PSB-OA

PSB-26 (Center-thru compliant)





### Milling Tool Series

Power Hydro Chuck

PHC·A

45 Insertion length 33 Min. clamping length Air hole D Stopper bolt

Hydro chuck with collet holder flexibility. Suitable for high precision cutting.

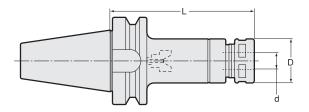
For more information, please refer to Pg. 32 of the NTTOOL CATALOG No. 27.

Code	Model	L	d	D	kg
3930 01112045	BT30 - PHC12A - 45	45	12	46	0.6
6080 00115576	Wrench : L-4T		-	_	

- 1. 1. Cutting tool shank must be within tolerances specified below; Shank diameter less than 6mm: Within h6 tolerance Shank diameter 6mm and over: Within h7 tolerance h6 or 0/-0.01 tolerance is recommended when making a new cutting tool.
- 2. The PHC12A has pin holes for collets with stopper pins.
- 3. Hex-head screws (included) are necessary to plug air holes for center through coolant feed.

#### Collet Holder

## HDC·A



#### Suitable for drilling, reaming and finish endmilling.

For more information, please refer to Pg. 45 of the NTTOOL CATALOG No. 27.

Code	Mo	del		L	d	D	kg
2540 10112045	BT30 - HD	C12A	- 45	45	2.5~12.0	32	0.5
0803 00000013	Spanner	: S-3	L		-	_	
_	Collet	: FDC	-12-AA	ø3.0 ~ ø12.0			
_	Collet	: FDC	-120H AA	ø3.0 ~ ø12.0 (	Cutter with oil ho	ole)	
_	Collet	: FDC	-12-C AA	ø3.0 ~ ø12.0 (	For collet throug	h coolant)	

1. Standard preset screw is included.

## Super tite-lock Milling Chuck CT-SA



For more information, please refer to Pg. 44 of the NTTOOL CATALOG No. 27.

Stopper Bolt (Option)			d D	)
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Code		Model	L	d	D	kg
3140 40120075	BT30	- CT20SA - 75	75	20	52	1.0
_	Spanner	: HS-2-20		_		
_	Collet	: MC-20(ø6~16)		_		

- 1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
- 2. Tolerance of cutting tool shank must be h7.

#### Face Mill Arbor

### **FMH**

Coolant flows from the end face of centering location to cutter with oil hole.

締付ボルト Clamp bolt

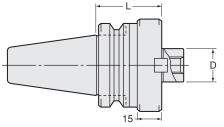
M12

For more information, please refer to Pg. 138 of the NTTOOL CATALOG No. 27.

型式 Model



商品コード Code







**Contactless Optical Tool Presetter** 





Customizable software to fit your needs! Please contact NT TOOL for details.

Making user-friendly products is our priority. Our new optical tool presetter designed completely in house is available now.

Measurement

X-axis: Ø 400mm Z-axis: 500mm



**Contactless Optical Tool Presetter** 



Series SOTP

Simple and Compact! High-performance presetter - affordable price!

- Contactless measurement does not damage cutting edges.
- Easy to use.
- A pneumatic cylinder clamps the holder securely in place.

Measurement X-axis: Ø 300mm Z-axis: 400mm

## NT TOOL, the best protection against rust!



Special rust proof coating on entire surface including the tapered shank (BT, CAT, SK only).

Prevent seizure and scoring caused by metal abrasion against the machine spindle. Special coating protects spindle from abnormal wearing. Safe with water-soluble coolant.

Some holders are excluded.

- Protect spindle from damage
- Longer cutting tool life
- **Maintain good accuracy**

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