

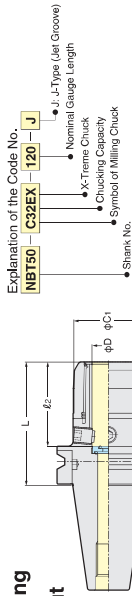
X-Treme Shank 2LOCK NBT X-Treme Chuck



Powerful Gripping
&
Never Pull-out



Centre Through
MAX. 7MPa



Explanation of the Code No.
NBT50 - C32EX - 120 - J
• J-Type (Jet Groove)
• Nominal Gauge Length
• X-Treme Chuck
• Chucking Capacity
• Symbol of Milling Chuck
• Shank No.

PAT.P

TAPER	Code No. (φD - L)	C _t	L	ℓ ₂	End mill with oil hole		Handle	Weight (kg)
					Stopper*	Face cap*		
No.40	NBT40-C12EX- 86	40	86	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	1.6
	-C16EX- 96	48	96	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	1.7
	-C20EX- 96	55	96	71	9MC20HEX- 7L	9C20 -FS-EX-A1	GH25	1.8
No.50	NBT50-C12EX- 96	40	96	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	4.0
	-C16EX-106	48	106	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	4.4
	-C20EX-116	55	116	71	9MC20HEX-12L	9C20 -FS-EX-A1	GH25	5.0
	-C25EX-116	55	116.3	77.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	4.8
	-C32EX-121	68	121.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	5.3
	-C42EX-126	86	126	86	9MC42HEX- 9L	9C42SL-FS-EX-A1	9HC42	6.3

Please use direct chucking without KM collet.

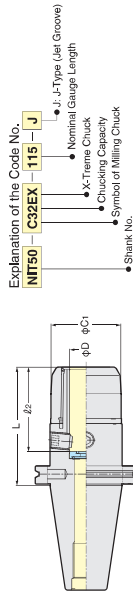
- ★ MAX. 7MPa of center through coolant is available with the stopper.
- ★ Please use J-type X-Treme chuck, when end mill without oil hole is used, eg) NBT50-C32EX-121-J
- In case of J-type X-Treme chuck, J-type stopper and J-type face cap (with Jet grooves) are attached, 9MC32HEX-7L-J, 9C32L-FS-EX-J1
- J-type X-Treme chuck is used for the pocket milling and side milling.
- ★ Extended length X-Treme chuck is also available, NBT50-C20EX-136, NBT50-C25EX-136, NBT50-C32EX-136

2LOCK tooling (NBT) can be used as the double face contact tooling on the M / C where spindle is BT double face contact system.
2LOCK tooling can also be used on the M / C with BT standard spindle.

X-Treme Shank 2LOCK NIT/NCAT X-Treme Chuck



Centre Through
MAX. 7MPa



Explanation of the Code No.
NIT50 - C32EX - 115 - J
• J-Type (Jet Groove)
• Nominal Gauge Length
• X-Treme Chuck
• Chucking Capacity
• Symbol of Milling Chuck
• Shank No.

PAT.P

TAPER	Code No. (φD - L)	C _t	L	ℓ ₂	End mill with oil hole		Handle	Weight (kg)
					Stopper*	Face cap*		
NIT50	NIT50 -C12EX- 96	40	96	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	3.4
	-C16EX-106	48	106	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	3.8
	-C20EX-106	55	106	71	9MC20HEX-12L	9C20 -FS-EX-A1	GH25	4.3
	-C25EX-111	55	111.3	77.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	4.2
	-C32EX-116	68	116.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	4.7
	-C42EX-126	86	136	86	9MC42HEX- 9L	9C42SL-FS-EX-A1	9HC42	6.0
NCAT50	NCAT50-C12EX- 96U	40	96	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	3.4
	-C16EX-106U	48	106	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	3.8
	-C20EX-106U	55	106	71	9MC20HEX-12L	9C20 -FS-EX-A1	GH25	4.3
	-C25EX-111U	55	111.3	77.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	4.2
	-C32EX-116U	68	116.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	4.7

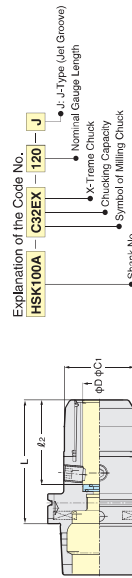
Please use direct chucking without KM collet.

- ★ 2LOCK tooling (NIT/NCAT) can be used as the double face contact tooling on the M/C where spindle is BT double face contact system.
- 2LOCK tooling can also be used on the M/C with IT/ICAT standard spindle.
- ★ MAX. 7MPa of center through coolant is available with the stopper.
- ★ Please use J-type X-Treme chuck, when end mill without oil hole is used, eg) NCAT50-C32EX-116U-J
- In case of J-type X-Treme chuck, J-type stopper and J-type face cap (with Jet grooves) are attached, 9MC32HEX-7L-J, 9C32L-FS-EX-J1
- J-type X-Treme chuck is used for the pocket milling and side milling.

X-Treme Shank HSK X-Treme Chuck



Centre Through
MAX. 7MPa



Explanation of the Code No.
HSK100A - C32EX - 120 - J
• J-Type (Jet Groove)
• Nominal Gauge Length
• X-Treme Chuck
• Chucking Capacity
• Symbol of Milling Chuck
• Shank No.

PAT.P

TAPER	Code No. (φD - L)	C _t	L	ℓ ₂	End mill with oil hole		Handle	Weight (kg)
					Stopper*	Face cap*		
HSK63A	HSK 63A-C12EX- 96	40	96	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	1.3
	-C16EX-101	48	101	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	1.5
	-C20EX-106	55	106	71	9MC20HEX- 7L	9C20 -FS-EX-A1	GH25	1.7
HSK100A	HSK100A-C12EX- 96	40	96	58	9MC12HEX- 6L	9C12SL-FS-EX-A1	GH16	2.7
	-C16EX-106	48	106	68	9MC16HEX-6.5L	9C16SL-FS-EX-A1	GH20	3.0
	-C20EX-116	55	116	71	9MC20HEX-12L	9C20 -FS-EX-A1	GH25	3.6
	-C25EX-116	55	116.3	76.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	3.5
	-C32EX-121	68	121.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	4.0
	-C42EX-136	86	136	86	9MC42HEX- 9L	9C42SL-FS-EX-A1	9HC42	5.7
HSK125A	HSK125A-C20EX-121S	55	121	71	9MC20HEX-12L	9C20 -FS-EX-A1	GH25	5.4
	-C25EX-121S	55	121.3	77.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	5.3
	-C32EX-136S	68	136.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	6.3
	-C42EX-136S	86	136	86	9MC42HEX- 9L	9C42SL-FS-EX-A1	9HC42	7.1

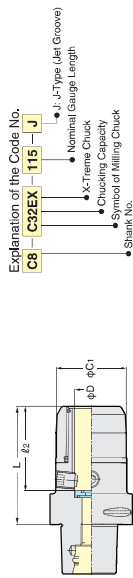
Please use direct chucking without KM collet.

- ★ MAX. 7MPa of center through coolant is available with the stopper.
- ★ Please use J-type X-Treme chuck, when end mill without oil hole is used, eg) HSK125A-C32EX-136S-J
- In case of J-type X-Treme chuck, J-type stopper and J-type face cap (with Jet grooves) are attached, 9MC32HEX-7L-J, 9C32L-FS-EX-J1
- J-type X-Treme chuck is used for the pocket milling and side milling.

X-Treme Shank C8 X-Treme Chuck



Centre Through
MAX. 7MPa



Explanation of the Code No.
C8 - C32EX - 115 - J
• J-Type (Jet Groove)
• Nominal Gauge Length
• X-Treme Chuck
• Chucking Capacity
• Symbol of Milling Chuck
• Shank No.

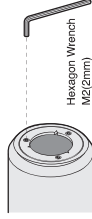
PAT.P

TAPER	Code No. (φD - L)	C _t	L	ℓ ₂	End mill with oil hole		Handle	Weight (kg)
					Stopper*	Face cap*		
C8	C8-C20EX-106	55	106	71	9MC20HEX- 7L	9C20 -FS-EX-A1	GH25	3.0
	-C25EX-111	55	111.3	77.3	9MC25HEX-6.2L	9C25SL-FS-EX-A1	GH25	3.0
	-C32EX-116	68	116.3	83.3	9MC32HEX- 7L	9C32SL-FS-EX-A1	GH32	3.5

Please use direct chucking without KM collet.

- ★ MAX. 7MPa of center through coolant is available with the stopper.
- ★ Please use J-type X-Treme chuck, when end mill without oil hole is used, eg) C8-C32EX-116-J
- In case of J-type X-Treme chuck, J-type stopper and J-type face cap (with Jet grooves) are attached, 9MC32HEX-7L-J, 9C32L-FS-EX-J1
- J-type X-Treme chuck is used for the pocket milling and side milling.

How to exchange the face caps



The face cap is fixed with 3 pieces of M2.5 screws. (C42EX, M3) The face cap must be centred or centralized, when exchanged. The special centering jig fixture and wrench are provided as an option.

Please refer P.3 the accessories such as the stopper and face cap.