

3LOCK MBT MULTI LOCK MILLING CHUCK

NIKKEN

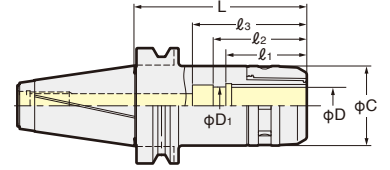
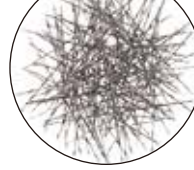


C
Centre Through
MAX. 7MPa

The cutting chips show us the actual machining capability.

Quiet,
high speed, heavy milling

Stable finishing



Standard

3LOCK tooling (MBT) can be used as the triple contact tooling on the M/C where spindle is BT double face contact system.

TAPER	Code No.	D	D ₁	C	L	l ₁	l ₂	l ₃	Weight (kg)	Collet
No.40	MBT40 -C12- 90,120	12	12	33	90, 120	48	53	58	1.6, 1.9	(KM12) (CCK12)
	-C16- 60, 90,120	16	16	44	63, 90, 120	50	58	65	1.4, 1.7, 2.0	(KM16) (CCK16)
	-C20- 70, 90,120	20	20	52	71, 90, 120	57	66	80	1.6, 1.8, 2.2	(KM20) (CCK20) (CCNK20)
	-C25- 70, 90,120	25	25	60	70, 90, 120	60	72		1.8, 2.1, 2.5	(KM25) (CCK25) (CCNK25)
	-C32- 85*,105,120	32	32,25,25	69	85, 105, 120	64,70,70	71,81,81	75,81,81	2.1, 2.5, 2.8	(KM32) (CCK32) (CCNK32)
No.50	MBT50 -C12-105,165	12	12	33	105, 165	48	53	58	4.0, 4.6	(KM12) (CCK12)
	-C16-105,165,200	16	16	44	105, 165, 200	50	58	65	4.2, 4.8, 5.1	(KM16) (CCK16)
	-C20-105,165,200	20	20	52		57	66	80	4.5, 5.1, 5.7	(KM20) (CCK20) (CCNK20)
	-C25-105,135,165	25	25	60	105, 135, 165	60	72		4.8, 5.2, 5.6	(KM25) (CCK25) (CCNK25)
	-C32- 90,105,120,135,165,200,250,300	32	25	69	90,105,120,135,165,200,250,300	70	81	81	4.3,4.6,5.1,5.6,6.4,7.8,9.2,10.6	(KM32) (CCK32) (CCNK32)
	-C42- 95*,120,135,165,200,250,300	42	42	86	95,120,135,165,200,250,300	73	80,105,115	85,110,125,125,125,125	5.5,6.6,7.2,8.6,9.5,11.7,14.0	(KM42) (CCK42) (CCNK42)

★Spanner is available as an option.

C12 : 9HC12A C16 : 9HC16 C20 : 9HC22
C25 : 9HC25 C32 : 9HC32 C42 : 9HC42

★Please note the acceptable shank tolerance is h6~7.

★For heavy duty milling, please grip the cutter shank longer than l₁.

★NK and CCNK collet can not be used for the chucks marked *.

★For C32, l₂ dimension longer than standard is available.

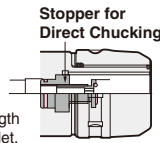
MBT40-C32D-105 MBT50-C32D-105

★Centre through tool coolant is available for all models. When the cutter shank length is shorter than l₁, please use the stopper for direct chucking or CCK/CCNK collet.

The Code No. of the Stopper for direct chucking is : C20 : 9MC20, C25 : 9MC25, C32 : 9MC32, C42 : 9MC42

★Please refer P.172 for KM and CCK collet.

★Please add "F" for the flange through tool coolant type.



Explanation of the Code No.

MBT40 - C20 - 70

- Nominal Gauge Length
- Chucking Capacity
- Symbol of Milling Chuck
- Shank No.

3LOCK MBT HIGH SPEED MILLING CHUCK

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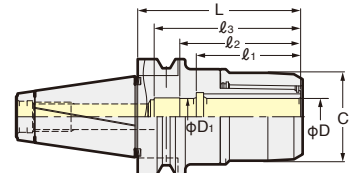


C-G
Centre Through
MAX. 7MPa

ANNIVERSARY Type

— Powerful gripping torque —

- High rigidity
- High precision
- Compact design



High Speed

3LOCK tooling (MBT) can be used as the triple contact tooling on the M/C where spindle is BT double face contact system.

TAPER	Code No.	D	D ₁	C	L	l ₁	l ₂	l ₃	Weight (kg)	MAX. (min ⁻¹)	Collet
No.40	MBT40 -C12- 90G	12	12	33	90	48	53	58	1.6	25,000	(KM12) (CCK12)
	-C16- 60G, 90G	16	16	40	63, 90	50	58	65	1.4, 1.7		(KM16) (CCK16)
	-C20- 70G, 90G	20	20	48	71, 90	57	66	80	1.6, 1.8	(KM20) (CCK20) (CCNK20)	
	-C25- 70G, 90G,120G	25	25	55	70,90,120	60	72		1.8, 2.1, 2.5	(KM25) (CCK25) (CCNK25)	
	-C32- 85G*,105G	32	32,25	68	85, 105	64,70	71,81	75,81	2.1, 2.5	(KM32) (CCK32) (CCNK32)	
No.50	MBT50 -C12-105G	12	12	33	105	48	53	58	4.0	20,000	(KM12) (CCK12)
	-C16-105G	16	16	40		50	58	65	4.2		(KM16) (CCK16)
	-C20-105G	20	20	48		57	66	80	4.5	(KM20) (CCK20) (CCNK20)	
	-C25-105G	25	25	55	60	72	4.8		(KM25) (CCK25) (CCNK25)		
	-C32- 90G,105G,120G	32	25	68	90,105,120	70	81	81	4.3,4.6,5.1	15,000	(KM32) (CCK32) (CCNK32)
	-C42- 95P*,120P	42	42	86	95,120	73	80,105	85,110	5.5,6.6		(KM42) (CCK42) (CCNK42)

★Please note the acceptable shank tolerance is h6.

★Please refer P.172 for KM and CCK collet.

★GH Handle is available as an option. P.48

C12G : GH12, C16G : GH16, C20G : GH20, C25G : GH25, C32G : GH32

★Spanner for C42P is 9HC42.

★NK and CCNK collet can not be used for the chucks marked *.

★Centre through tool coolant is available for all models. When the cutter shank length is shorter than l₁, please use the stopper for direct chucking or CCK/CCNK collet.

The Code No. of the Stopper for direct chucking is : C20 : 9MC20, C25 : 9MC25, C32 : 9MC32, C42 : 9MC42

Explanation of the Code No.

MBT40 - C20 - 70 G

- Symbol of High Speed
- Nominal Gauge Length
- Chucking Capacity
- Symbol of Milling Chuck
- Shank No.