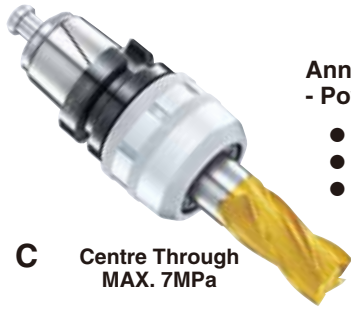
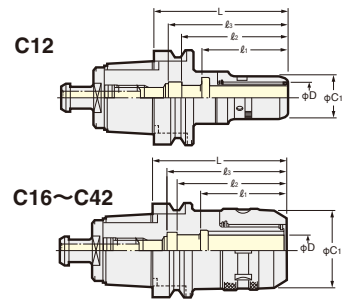


NC5 MILLING CHUCK



Anniversary Type
- Powerful Gripping Torque -

- High Rigidity
- High Precision
- Compact Design



C Centre Through
MAX. 7MPa

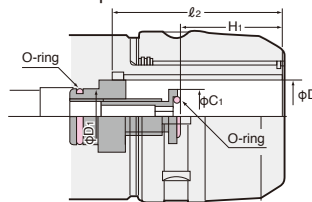
TAPER	Code No.	D	C1	l ₁	l ₂	l ₃	L	Collet	Stopper	Weight(kg)
NC5- 46	NC5- 46-C12- 55	33	12	49	53	58	58	(KM12) (CCK12)	—	0.6
	-C16- 70, 120	44	16	50, 51	58	63, 65	70, 120	(KM16) (CCK16)	—	0.8, 1.2
	-C20- 80	52	20	58	57	72	80	(KM20) (CCK20) (CCNK20)	9MC20HS	1.0
	-C25- 90	60	25	61	66	80	90	(KM25) (CCK25) (CCNK25)	9MC25H	1.3
	-C32-100*	64	32	67	72	75	100	(KM32)	—	1.6
NC5- 63	NC5- 63-C12- 65	33	12	49	53	58	65	(KM12) (CCK12)	—	1.2
	-C16- 60, 70, 120, 150	44	16	51	58, 61, 58, 58	65, 76, 65, 65	63, 70, 120, 150	(KM16) (CCK16)	—	1.4, 1.5, 2.0, 2.3
	-C20- 70, 80, 120, 150	52	20	58	66	79, 80, 80, 80	71, 80, 120, 150	(KM20) (CCK20) (CCNK20)	9MC20H	1.6, 1.7, 2.3, 2.6
	-C25- 70, 90, 120, 150	60	25	61	71, 72, 72, 72	79, 80, 80, 80	82, 90, 120, 150	(KM25) (CCK25) (CCNK25)	9MC25H	1.9, 2.1, 2.7, 3.0
	-C32- 80*, 90, 120, 150	69	32	66, 68, 71, 71	68, 77, 81, 81	71, 96, 107, 107	82, 90, 120, 150	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H	2.1, 2.3, 2.9, 3.2
NC5- 85	NC5- 85-C12- 80	33	12	49	53	58	80	(KM12) (CCK12)	—	2.2
	-C16- 80, 120, 160	44	16	51	58	65	80, 120, 160	(KM16) (CCK16)	—	2.6, 3.0, 3.3
	-C20- 80, 120, 160	52	20	58	66	80	80, 120, 160	(KM20) (CCK20) (CCNK20)	9MC20HL, 9MC20H, 9MC20H	2.8, 3.3, 3.6
	-C25- 80, 120, 160	60	25	61	72	80	80, 120, 160	(KM25) (CCK25) (CCNK25)	9MC25H	2.9, 3.7, 4.0
	-C32- 85, 100, 160, 200	69	32	68, 71, 71, 71	77, 77, 81, 81	96, 81, 107, 107	87, 100, 160, 200	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H, 9MC32H	3.2, 3.6, 5.3, 5.8
	-C42-105*, 125, 160, 200	86	42	74	89, 109, 115, 115	93, 113, 125, 125	105, 125, 160, 200	(KM42) (CCK42) (CCNK42)	9MC42HS, 9MC42H, 9MC42H	4.8, 5.3, 6.6, 7.0
NC5-100	NC5-100-C12-105	33	12	49	53	58	105	(KM12) (CCK12)	—	4.1
	-C16-105, 135, 165, 200	44	16	51	58	65	105, 135, 165, 200	(KM16) (CCK16)	—	4.4, 4.7, 5.0, 5.3
	-C20-105, 165, 200	52	20	58	66	80	105, 165, 200	(KM20) (CCK20) (CCNK20)	9MC20H	4.6, 5.5, 5.8
	-C25-105, 165, 200	60	25	61	72	80	105, 165, 200	(KM25) (CCK25) (CCNK25)	9MC25H	5.0, 6.1, 6.4
	-C32- 90, 105, 165, 200	69	32	71	81	102, 107, 107, 107	90, 105, 165, 200	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H, 9MC32H	4.8, 5.4, 7.1, 7.5
	-C42- 95*, 115, 165, 200	86	42	74	101, 115, 115, 115	105, 125, 125, 125	95, 115, 165, 200	(KM42) (CCK42) (CCNK42)	9MC42HS, 9MC42H, 9MC42H	5.5, 6.1, 8.6, 9.0

- ★For High Speed type, please add "G" at the end of Code No. e.g. NC5-63-C16-60G
- ★Spanner is available as an option. C12 : 9HC12A, C16:9HC16, C20:9HC20, C25:9HC25, C32(φ64):9HC25, C32(φ69):9HC32, C42:9HC42
- ★NC5-63-C32-80 may not be used by the M/C restriction. ★Milling Chuck for Oil Mist is also available. Please contact with us.
- ★CCNK collet and the stopper can not be used for the chucks marked *. The cutter shank length must be longer than l₂ in case of the direct chucking and centre through coolant application.
- ★CCNK collet can be used for the all chucks except marked *. The stopper (optional accessory) is required, if the cutter shank length is shorter than l₂ and direct chucking.
- ★The "D" in the Code No. shows ID of the chuck. ★Please note the acceptable shank tolerance is h7. ★Please refer to P.232 for KM, CCK, CCNK Collet.

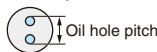
Stopper for Direct Chucking

Direct chucking means that chucking φ32mm shank tool into φ32mm ID chuck. If tool shank length is longer than R₁, the stopper is not required.

Chuck	Stopper	H ₁	C ₁
C20C	9MC20H	42~47	17
	9MC20HS		
C25C	9MC25H	50~55	22
	9MC25HS		
C32C	9MC32H	49~59	24
	9MC32HS		
C42	9MC42H	57~67	24

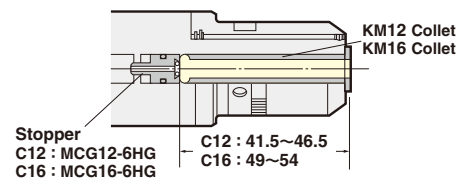


- ★For heavy milling, please insert the cutter shank longer than l₂ into the chuck body. Do not use the stopper.
- ★When the oil hole pitch of the back end is larger than the dia. of O-ring, please contact with us.



C12 and C16 Milling Chuck with Special Stopper

C12 and C16 Milling Chucks with the stopper to use with KM Collets are available as special option. e.g. NC5-63-C12-65S, NC5-63-C16-70S



- For the types with O-ring on the end flange add the O-ring type at end of the Code No. e.g. MCG16-6HG-S6
- For the steel type, add "FE" at the end of Code No. e.g. MCG16-6HG-FE

High Speed milling Chuck

Please add "G" at the end of Code No. for High Speed Milling Chuck.



GH Handle P.48

TAPER	Code No.	MAX. (min ⁻¹)	TAPER	Code No.	MAX. (min ⁻¹)
NC5-46	NC5- 46-C12- 55G	40,000	NC5-85	NC5- 85-C12- 80G	15,000
	-C16- 70G			-C16- 80G	
	-C20- 80G	-C20- 80G			
	-C25- 90G	-C25- 80G			
	-C32-100G*	10,000		-C42-105P*	12,000
NC5-63	NC5- 63-C12- 65G	20,000	NC5-100	NC5-100-C12-105G	15,000
	-C16- 60G, 70G			-C16-105G	
	-C20- 70G, 80G	-C20-105G			
	-C25- 70G, 90G	-C25-105G			
	-C32- 80G*, 90G	-C32- 90G			
		15,000		-C42- 95P*	12,000

- ★The extended tool length is available as an option. Please contact with us.
- ★The stopper can not be used for the chucks marked *. The cutter shank length must be longer than l₂ in case of the direct chucking and centre through coolant application.
- ★All chucks except marked * can be used for high pressure centre through coolant application. The stopper (optional accessory) is required, if the cutter shank length is shorter than l₂ and direct chucking.

★GFS type P.32 is available for C25 and C32 except NC5-46 shank.