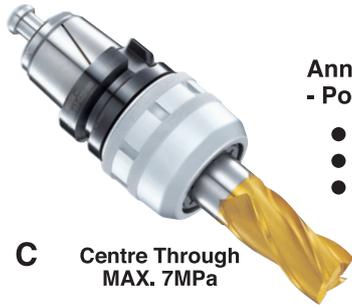


NC5 MILLING CHUCK

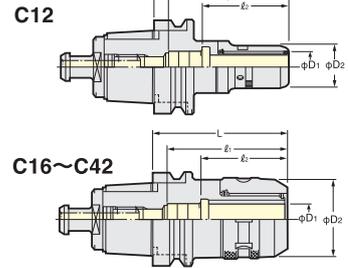


Anniversary Type
- Powerful Gripping Torque -

- High Rigidity
- High Precision
- Compact Design



PAT.



C Centre Through
MAX. 7MPa

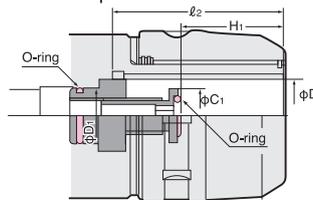
TAPER	Code No.	D1	D2	l ₁	l ₂	L	Collet	Stopper	Weight(kg)
NC5- 46	NC5- 46-C12- 55	12	33	56	46	58	(KM12) (CCK12)	—	0.6
	-C16- 70, 120	16	44	63, 65	49	70, 120	(KM16) (CCK16)	—	0.8, 1.2
	-C20- 80	20	52	72	57	80	(KM20) (CCK20) (CCNK20)	9MC20HS	1.0
	-C25- 90	25	60	80	60	90	(KM25) (CCK25) (CCNK25)	9MC25H	1.3
	-C32-100*	32	64	75	66	100	(KM32)	—	1.6
NC5- 63	NC5- 63-C12- 65	12	33	56	46	65	(KM12) (CCK12)	—	1.2
	-C16- 60, 70, 120, 150	16	44	65	49	63, 70, 120, 150	(KM16) (CCK16)	—	1.4, 1.5, 2.0, 2.3
	-C20- 70, 80, 120, 150	20	52	79, 80, 80, 80	57	71, 80, 120, 150	(KM20) (CCK20) (CCNK20)	9MC20H	1.6, 1.7, 2.3, 2.6
	-C25- 70, 90, 120, 150	25	60	80	60	82, 90, 120, 150	(KM25) (CCK25) (CCNK25)	9MC25H	1.9, 2.1, 2.7, 3.0
	-C32- 80*, 90, 120, 150	32	69	71, 77, 81, 81	65, 67, 70, 70	82, 90, 120, 150	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H	2.1, 2.3, 2.9, 3.2
NC5- 85	NC5- 85-C12- 80	12	33	56	46	80	(KM12) (CCK12)	—	2.2
	-C16- 80, 120, 160	16	44	65	49	80, 120, 160	(KM16) (CCK16)	—	2.6, 3.0, 3.3
	-C20- 80, 120, 160	20	52	80	57	80, 120, 160	(KM20) (CCK20) (CCNK20)	9MC20HL, 9MC20H, 9MC20H	2.8, 3.3, 3.6
	-C25- 80, 120, 160	25	60	80	60	80, 120, 160	(KM25) (CCK25) (CCNK25)	9MC25H	2.9, 3.7, 4.0
	-C32- 85, 100, 160, 200	32	69	81	70	87, 100, 160, 200	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H, 9MC32H	3.2, 3.6, 5.3, 5.8
	-C42-105*, 125, 160, 200	42	86	93, 113, 125, 125	73	105, 125, 160, 200	(KM42) (CCK42) (CCNK42)	9MC42HS, 9MC42H, 9MC42H	4.8, 5.3, 6.6, 7.0
NC5-100	NC5-100-C12-105	12	33	56	46	105	(KM12) (CCK12)	—	4.1
	-C16-105, 135, 165, 200	16	44	65	49	105, 135, 165, 200	(KM16) (CCK16)	—	4.4, 4.7, 5.0, 5.3
	-C20-105, 165, 200	20	52	80	57	105, 165, 200	(KM20) (CCK20) (CCNK20)	9MC20H	4.6, 5.5, 5.8
	-C25-105, 165, 200	25	60	80	60	105, 165, 200	(KM25) (CCK25) (CCNK25)	9MC25H	5.0, 6.1, 6.4
	-C32- 90, 105, 165, 200	32	69	81	70	90, 105, 165, 200	(KM32) (CCK32) (CCNK32)	9MC32HS, 9MC32H, 9MC32H, 9MC32H	4.8, 5.4, 7.1, 7.5
	-C42- 95*, 115, 165, 200	42	86	105, 125, 125, 125	73	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(φ30):9HC12, C12(φ33):9HC12A, C16:9HC16, C20:HC20, 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.196 for KM, CCK, CCNK Collet.

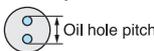
Stopper for Direct Chucking

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

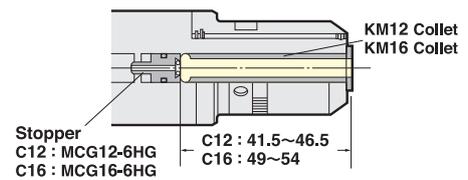


- ★For heavy milling, please insert the cutter shank longer than l₂ into the chuck body. Do not use the stopper.
- ★When the oil hole pitch of the back end is larger than the dia. of O-ring, please contact with us.



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



Stopper
C12 : MCG12-6HG
C16 : MCG16-6HG

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.30

- ★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.

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				
	-C20- 80G	-C25- 80G			
	-C25- 90G	-C32- 85G			
	-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				
	-C20- 70G, 80G	-C20-105G			
	-C25- 70G, 90G	-C25-105G			
	-C32- 80G*, 90G	15,000		-C32- 90G	12,000
				-C42- 95P*	

★GFS type P.30 is available for C25 and C32 except NC5-46 shank.