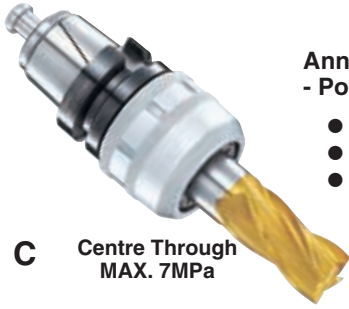
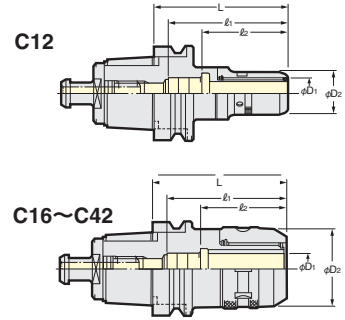


NC5 MILLING CHUCK



Anniversary Type
- Powerful Gripping Torque -

- High Rigidity
- High Precision
- Compact Design



C Centre Through
MAX. 7MPa

TAPER	Code No.	D ₁	D ₂	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	16	44	63	49	70	KM16 CCK16		—	0.8
	-120			65		120				1.2
	-C20- 80	20	52	72	57	80	KM20 CCK20 CCNK20 NK20	9MC20HS		1.0
	-C25- 90	25	55	80	60	90	KM25 CCK25 CCNK25 NK25	9MC25H	1.3	
	-C32-100*	32	64	75	66	100	KM32 NK32	—	1.6	
NC5- 63	NC5- 63-C12- 65	12	33	56	46	65	KM12 CCK12	—	1.2	
	-C16- 60	16	44	65	49	63	KM16 CCK16		—	1.4
	- 70					70				1.5
	-120					120				2.0
	-150					150				2.3
	-C20- 70	20	52	79	57	71	KM20 CCK20 CCNK20 NK20	9MC20H		1.6
	- 80					80			1.7	
	-120					120			2.3	
	-150					150			2.6	
	-C25- 70	25	60	80	60	71	KM25 CCK25 CCNK25 NK25		9MC25H	1.9
	- 90					80		2.1		
	-120					120		2.7		
	-150					150		3.0		
	-C32- 80*	32	69	71	65	82	KM32 CCK32 CCNK32 NK32	—		2.1
	- 90			77	67	90		9MC32HS	2.3	
	-120			81	70	120		9MC32H	2.9	
-150	81			70	150	9MC32H		3.2		
NC5- 85	NC5- 85-C12- 80	12	33	56	46	80	KM12 CCK12	—	2.2	
	-C16- 80	16	44	65	49	80	KM16 CCK16		—	2.6
	-120					120				3.0
	-160					160		3.3		
	-C20- 80	20	52	80	57	80	KM20 CCK20 CCNK20 NK20	9MC20HL	2.8	
	-120					120		9MC20H	3.3	
	-160					160		9MC20H	3.6	
	-C25- 80	25	60	80	60	80	KM25 CCK25 CCNK25 NK25	9MC25H	2.9	
	-120					120		9MC25H	3.7	
	-160					160		9MC25H	4.0	
	-C32- 85	32	69	81	70	87	KM32 CCK32 CCNK32 NK32	9MC32HS	3.2	
	-100					100		9MC32H	3.6	
	-160					160		9MC32H	5.3	
	-200					200		9MC32H	5.8	
	-C42-105*	42	86	93	73	105	KM42 CCK42 CCNK42 NK42	—	4.8	
	-125			113		125		9MC42H	5.3	
-160	125			160		9MC42H		6.6		
-200	125			200		9MC42H		7.0		

▶ NEXT PAGE ▶▶▶

NC5 MILLING CHUCK



TAPER	Code No.	D ₁	D ₂	ℓ ₁	ℓ ₂	L	Collet	Stopper	Weight(kg)
NC5-100	NC5-100-C12-105	12	33	56	46	105	KM12 CCK12	—	4.1
	-C16-105	16	44	65	49	105	KM16 CCK16		4.4
	-135					135			4.7
	-165					165			5.0
	-200					200			5.3
	-C20-105					20		52	80
	-165	165	5.5						
	-200	200	5.8						
	-C25-105	25	60	60	60	200	KM25 CCK25 CCNK25 NK25	9MC25H	
	-165							200	6.1
	-200							200	6.4
	-C32- 90	32	69	81	70	90	KM32 CCK32 CCNK32 NK32	9MC32HS	
	-105							105	5.4
	-165							165	7.1
	-200							200	7.5
	-C42- 95*							42	86
	-115	115	6.1						
	-165	165	8.6						
	-200	200	9.0						
	-200	200	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.

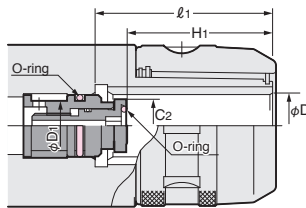
★CCNK collet can be used for the all chucks except marked *. The stopper (optional accessory) is required, if the cutter shank length is shorter than ℓ₂ and direct chucking,

★The "D₁" in the Code No. shows ID of the chuck. ★Please note the acceptable shank tolerance is h₇. ★Please refer to P.243 for KM, CCK, CCNK Collet.

Stopper for Direct Chucking

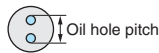
Direct chucking means that chucking φ32mm shank tool into φ32mm ID chuck. If tool shank length is longer than ℓ₁, the stopper is not required.

Chuck	Stopper	H ₁	C ₂
C20C	9MC20H	42~47	17
	9MC20HS		
C25C	9MC25H	50~55	22
	9MC25HS		
C32C	9MC32H	49~59	24
	9MC32HS		
C42	9MC42H	57~67	24
	9MC42HS		



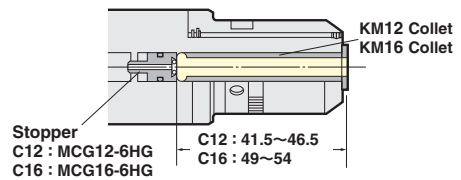
★For heavy milling, please insert the cutter shank longer than ℓ₁ into the chuck body. Do not use the stopper.

★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.52

TAPER	Code No.	MAX. (r/min)	TAPER	Code No.	MAX. (r/min)
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		-C32- 85G	12,000
		-C42-105P*			
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	15,000		-C25-105G	
	-C32- 80G*, 90G			-C32- 90G	12,000
		-C42- 95P*			

★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.33 is available for C25 and C32 except NC5-46 shank.

Face Seal type
(for Aluminium cutting)
GFS
JAPAN PAT.



NC5