

"ANNIVERSARY" TYPE MULTI LOCK MILLING CHUCK

DO NOT USE HAMER!

TYPE

C25G

C32G (\$62)

C32G (468)

TYPE

C25

C32

C42

C50

CKFN

GH HANDLE

GH25

GH32S

GH32

Min. Grippine

65

75

85

85

Standard Front Nut with iet

tornado effect, ensuring

And prevention of swart and

Front Nut with O-ring

ne iet coolant pressure creates

No Axitial Movement

INSTRUCTION MANUAL

Thank you for your purchase of NIKKEN products. We can recommend our products with our confidence, however, please read this manual for long terms. And, please keep it where the operator can refer to it whenever necessary.

(1) Wipe all dust and oil from internal bore of chuck, inside and outside of collet, and shank of cutter.Clean minute dust inside slot grooves of collet by air blow. You are recomended to use ① CCK collet & CKFN nut to prevent the dust or swarf from getting inside.



When the Milling Chuck is cleaned for maintenance reasons the grease inside the nose ring might also be washed off and this may cause burning out of the bearing mechanism.

2 After setting End Mill into collet insert them into the chuck.

- -Please use End Mill of h7 tolerance shank.
- -Please use End Mill with he shank tolerance for high speed machining. -Please make sure that the cutter is held with the chuck at Min. gripping
- length shown in the list at the right hand side.
- -Protection must be used to grip End Mill teeth.
- -Clamp as much of the shank of End Mill as possible. Insert Collet into Chuck until the flange of collet touches the surface of the front end. otherwise it can cause a broken End Mill or Collet, even damage to
- the Chuck itself, if the clamping length of shank is too short. -Please do not clamp without End Mill.

g	TYPE	SPANNER	TIGHTENING TORQUE (Nm)	TYPE	SPANNER	TIGHTENING TORQUE (Nm)
	C12A*1	9HC12A*1	20~24	C25	9HC25	36~42
	C16	9HC16	22~28	C32*2	9HC32*2	65~80
	C20	9HC22	26~32	C42	9HC42	80~95
)	C22	9HC22	30~36	C50	9HC50	90~100

TYPE GH HANDLE

GH12

GH16

GH20

Min. Gripp

45

50

55

55

Nose Ring

*1 C12A is new model. 9HC12 has to be used fpr old model C12.

*2 9HC25 has to be used for C32 which nose ring dia=#64mm.

C12G

C16G

C20G

TYPE

C12.C12A

C16

C20

C22

CCK Collet

3 After lightly tightening by hand, tighten further by NIKKEN spanner until Chuck Ring contacts with the face of Chuck Body. Only for Finish Milling and higher run-out accuracy is required or C12 chuck, return Chuck Ring just a little (less than 2~3°) after face contact. A spanner is optional accessory for NC TOOLING, please order separately if necessary. For High Speed Milling Chucks, please do some operation as above by GH Handle.

Wipe all dust and oil from the external of Chuck Ring and the internal of the GH Handle to tighten/loosen surely.

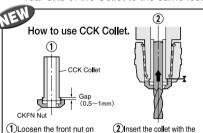
- (4) Ordinary KM Collet can be used, but better improvement can be found with KM Collet.
- (5) For IT(ISO) / CAT taper, please be careful to check the dimension "D" with your machine.



The dimension of "D" of some models are greater than the specification of your machine.



- (6) When removing the cutter from the chuck, please make sure that the nose ring is loosened enough to remove the cutter, then loosen completely.
- (7) NIKKEN all type of milling chucks including standard one can be transfed into Centre Through Jet Coolant types by CCK Collet & CKFN Nut. For direct chucking, CKFN-D nut to fix on the cutter shank can be used. (e.g. CKFN32-32D)
- 8 When using CCK32-16,20,25 Collets with CKFN32T Front Nut, please set the rear slits of the Collet to the same location of the slots of the Milling Chuck.

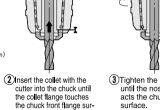


the collet to provide a

Direct Chucking

· With ONK, OJK Collet

collet and the nut



(9) Centre Through Coolant / Flange Through Coolant type Milling Chuck

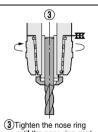
-Remove a stopper body by using a bolt. (G dimension)

A Stopper is optional accessory, please order separately if necessary.

· Please remove a stopper, when ONK, OJK Collet is used. How to remove is

-Remove an adjusting boat by using a hexagon wrench. (B dimension)

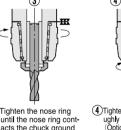
shorter than ℓ_1 , a Stopper must be used.

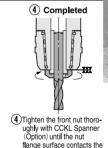


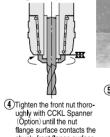
Please refer JET COOLANT SERIES Catalogue.

· A stopper, ONK, OJK collet can be used, but better improvement can be found with ⑦ CCK collet & CKFN nut.

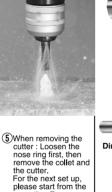
When a shank of End Mill is longer than ℓ_1 , a Stopper is not required. When a shank of End Mill is

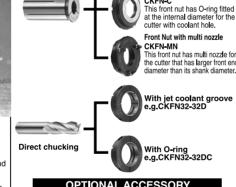


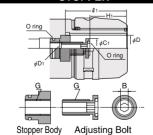








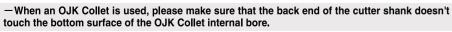




сниск	STOPPER	H ₁	D	D ₁	ℓ1	G	В	
C20C,C20F	9MC20	42~47	20	15	58	Mio	_	
C25C,C25F	9MC25	46~55	25	15	61	INITU	J	
C32C,C32F	9MC32	45~60	32	24	67(70)	M16	8	
C42 ,C42F	9MC42	50~70	42	24	74	M20	0	
(): C32F								

OJK Collet (S type)

ONK Colle



- Please adjust the collet grooves centrally between the slot grooves of the Chuck Body and insert into the body.

-ONK Collet is for a cutter with the coolant through hole. OJK Collet is for a cutter without a coolant through hole

-In case of OJK32-25S of OJK42-32S Collet, coolant leakage is not a problem for practical use. -OJK A type Collet (Jet Spray Slot) is highly recommended for use on the machine with the

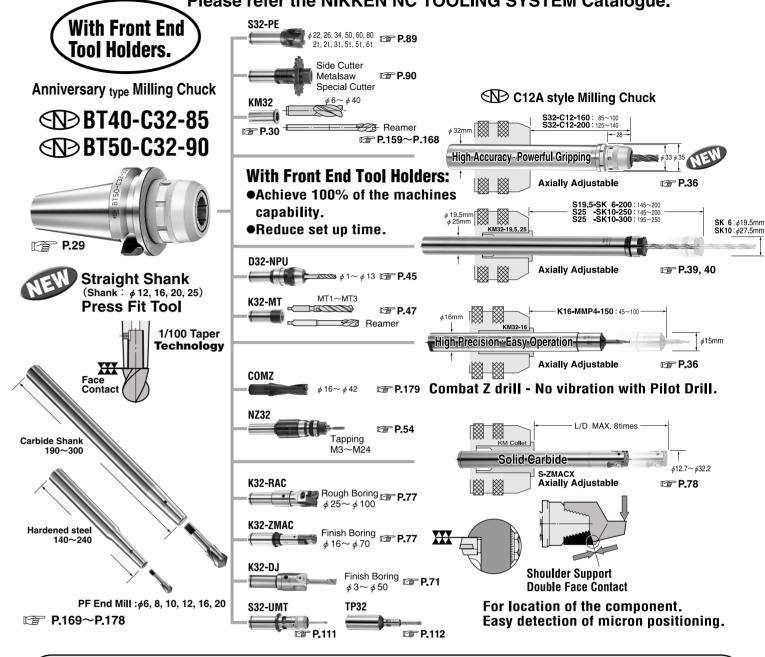
This manual is for basic instruction and information for safety use of our product. Please contact with us for the further details. Please note that we could not take a responsibility of the accidental damage on our product which is modified the specifications by the customer without our approval.

coolant tank delivering high pressure and large volume. -Quatation fee of the repair is always necessary whether repair or not.

STRAIGHT SHANK TOOL AND THE ATTACHMENT



Multi Lock Milling Chuck is the Base Holder of NC TOOLING. Various types of Straight Shank Tools are available from the NIKKEN Standard Tooling range. Please refer the NIKKEN NC TOOLING SYSTEM Catalogue.



Please use a NIKKEN collet for the NIKKEN chucks.

- · Please use a NIKKEN chuck for the NIKKEN collets. NIKKEN collet may not be performed 100% using on the other makers chucks.
- ·Please be careful not to inflict personal injury at your handling of cutting tools
- Please do not modify the chucks by yourselves.
- Please do not use the KM collet as a reducing sleeve into the larger KM collet.
- · Please check if the cutting tool is chucked with the slim chuck properly before the machining.
- · Please pay attention not to inflict personal injury with the broken tools or swarfs.
- ·Please do not touch the tool at its rotating.
- If a cutting tool breakes in machining, please check the run-out accuracy of the chuck and inspection of the crack, Please pay attention to prevent from the rust at the storage. We would recommend to use MILLING CHUCK with RPT treatment for rust prevention.
- For High Speed machining, please use the NIKKEN HIGH SPEED MILLING CHUCK with KM Collet.
- ·Please use NIKKEN pullstud, do not use any pullstud which has damage marks on its draw head area or is deformed
- The pullstud is considered to consumption item and should be replaced pediodically. Without hole: 3 years or 150,000 times of ATC. With coolant hole: 2 years or 100,000 times of ATC.





Head office: 5-1, 1-chome, Minamishinden, Daito, Osaka, Japan

Tel: 072-869-5820 Fax: 072-869-6220 http://www.nikken-world.com

e-mail:export@nikken-kosakusho.co.jp