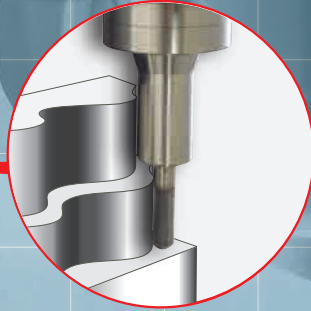
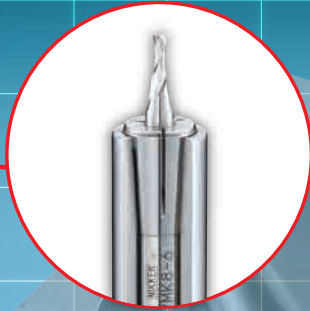


# The Ultimate Chuck for Small Dia. Tools

## MINI-MINI CHUCK **ADVANCED** $\alpha$

High Speed Rotation  
**30,000min<sup>-1</sup>**  
**& G2.5!**



### **1. Strong Gripping at Nose**

**Run-out Accuracy : 0.003mm at 4D**

Gripping torque is increasing.  
 TiN bearing built in  
 (HV2,200)



### **2. Narrow Body**

**Narrow Body Design Accesses Tight Spots**

### **3. Quick and Easy**

**Powerful Gripping Torque just with a Wrench**

Direct Screw Type is also available  
 Clamp/Unclamp directly from the end of tool



**NEW**

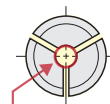
**Jet Coolant Type "MMC4-JB" is Available!!**  
**Improving Small Diameter Processing**

#### The Coolant Solution for MINI-MINI Chuck

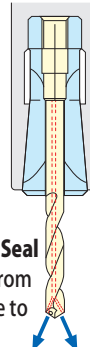
##### for Cutting Tools with Oil Hole

Coolant is Supplied from Oil Hole of Cutting tools

##### VMK/MPK-C Collet



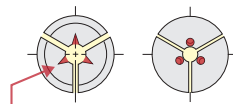
**Sealing with Mechanical Seal**  
 Coolant will be supplied from the oil hole of the drill due to sealing by collet.



##### for Standard Cutting Tools

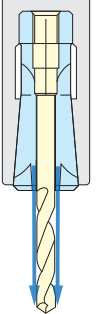
Jet Coolant with No Spread Even at High rpm

##### VMK- J Collet



Jet Spread Hole Type for MPK4-2JB,3JB,4JB VMK8-2J, 3J

**◆ Jet Spread Groove Type**  
 Coolant is jetted from the triangular groove.  
 Tornado-like jet blows off chips.



**NIKKEN KOSAKUSHO WORKS, LTD.**  
 5-1, 1-chome, Minamishinden, Daito-shi, Osaka-fu, Japan

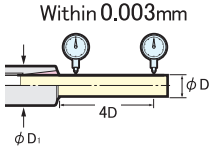
Web: [www.nikken-kosakusho.co.jp/en](http://www.nikken-kosakusho.co.jp/en)  
 Tel: +81-(0)72-869-5820 Fax: +81-(0)72-869-6220  
 e-mail: [export@nikken-kosakusho.co.jp](mailto:export@nikken-kosakusho.co.jp)

# MINI-MINI CHUCK ADVANCED $\alpha$

**NIKKEN**

## BT

Usable MAX. 7MPa of Coolant-thru



Extra-long size is available



+30mm~60mm longer than conventional

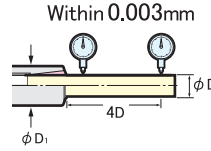
Taper	Code No.	$\phi D$	$\phi D1$
<b>BT30</b>	<b>BT30 -MMC 4 -105-AA</b>	1~ 4	15
	-MMC 8C-105-AA	2~ 8	20
	-MMC12C-105-AA	4~12	30
<b>BT40</b>	<b>BT40 -MMC 4 - 90-AA</b>	1~ 4	15
	-120-AA	1~ 4	15
	-MMC 8C- 90-AA	2~ 8	20
	-120-AA	2~ 8	20
	-150-AA	2~ 8	20
	-180-AA	2~ 8	20
	-MMC12C- 90-AA	4~12	30
<b>BT50</b>	<b>BT50 -MMC 4 -105-AA</b>	1~ 4	15
	-MMC 8C-105-AA	2~ 8	20
	-135-AA	2~ 8	20
	-165-AA	2~ 8	20
	-195-AA	2~ 8	20
	-MMC12C-105-AA	4~12	30
	-135-AA	4~12	30
-165-AA	4~12	30	
-195-AA	4~12	30	

## 2LOCK NBT

Usable MAX. 7MPa of Coolant-thru

►Coolant-thru becomes standard on MMC4

NBT Toolholders are interchangeable between standard and double face contact spindles greater flexibility.



Extra-long size is available



+30mm~60mm longer than conventional

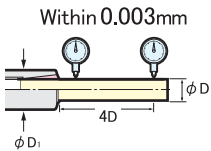
Taper	Code No.	$\phi D$	$\phi D1$
<b>NBT30</b>	<b>NBT30 -MMC 4C-105-AA</b>	1~ 4	15
	-135-AA	1~ 4	15
	-MMC 8C-105-AA	2~ 8	20
<b>NBT40</b>	<b>NBT40 -MMC 4C- 90-AA</b>	1~ 4	15
	-120-AA	1~ 4	15
	-MMC 8C- 90-AA	2~ 8	20
<b>NBT50</b>	<b>NBT50 -MMC 4 -105-AA</b>	1~ 4	15
	-MMC 8C-105-AA	2~ 8	20
	-135-AA	2~ 8	20

## HSK

Usable MAX. 7MPa of Coolant-thru

►Coolant-thru becomes standard on HSK63A-MMC4

\*HSK50A/50E/63E/63F/100A are not supposed



Extra-long size is available



+30mm~60mm longer than conventional

Taper	Code No.	$\phi D$	$\phi D1$
<b>HSK 50A</b>	<b>HSK 50A-MMC 4 -128-AA</b>	1~ 4	15
	-MMC 8C-127-AA	2~ 8	20
	-157-AA	2~ 8	20
	-187-AA	2~ 8	20
	-MMC12C-129-AA	4~12	30
<b>HSK 63A</b>	<b>NEW HSK 63A-MMC 4C-116-AA</b>	1~ 4	15
	-MMC 8C-115-AA	2~ 8	20
	-145-AA	2~ 8	20
	-175-AA	2~ 8	20
	-MMC12C-117-AA	4~12	30
<b>HSK100A</b>	<b>HSK100A-MMC 4 -131-AA</b>	1~ 4	15
	-MMC 8C-130-AA	2~ 8	20
	-160-AA	2~ 8	20
	-190-AA	2~ 8	20
	-MMC12C-130-AA	4~12	30
<b>HSK 50E</b>	<b>HSK 50E-MMC 4 -128-AA</b>	1~ 4	15
	-MMC 8C-127-AA	2~ 8	20
	-MMC12C-129-AA	4~12	30
<b>HSK 63E</b>	<b>HSK 63E-MMC 4 -116-AA</b>	1~ 4	15
	-MMC 8C-115-AA	2~ 8	20
	-MMC12C-117-AA	4~12	30
<b>HSK 63F</b>	<b>HSK 63F-MMC 4 -128-AA</b>	1~ 4	15
	-MMC 8C-127-AA	2~ 8	20

## MINI-MINI CHUCK COLLET

for MMC4

**MPK Collet**



Standard Type

MPK 4-1, 1.5, 2, 2.5, 3, 3.5, 4

Coolant-thru Type New Jet-coolant Type

MPK 4-3C, 4C MPK 4-2JB, 3JB, 4JB

**PMK Collet**



Standard Type

PMK 8-2, 2.2, 2.4, 3, 4, 5, 6, 7, 8

PMK12-4, 5, 6, 8, 10, 12

for Cutting Tools with Oil Hole

**VMK Collet**



Coolant-thru Type

VMK 8-2, 3, 4, 5, 6, 7, 8

VMK12-4, 5, 6, 8, 10, 12

for Jet Coolant

**VMK-J Collet**



Jet-coolant Type

VMK 8-2J, 3JB, 4J, 5J, 6J, 7J, 8J

VMK12-4J, 5J, 6J, 8J, 10J, 12J

\*Please note the acceptable shank tolerance is h6.

\*Even the gripping range of PMK collet is 0.2mm/dia. (e.g. PMK8-2: 1.8~2.0).

\*VMK8-2J is changed to VMK8-2JB once stocks run out.