



Current Promotion

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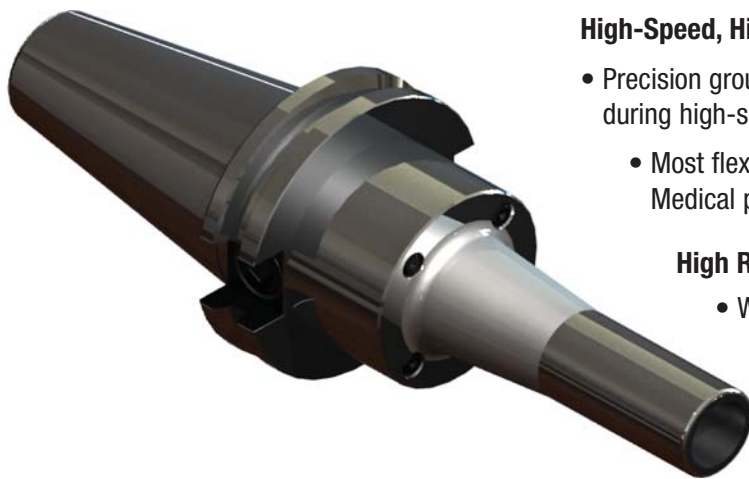


Featured Video

MMC Collet Chuck Features

ACCURACY in Small Diameter Cutting

The Mini-Mini Chuck (MMC) features a slim and compact body for precision machining with small diameter tools (up to 0.5"). It is an ideal toolholder for high-speed machining applications.



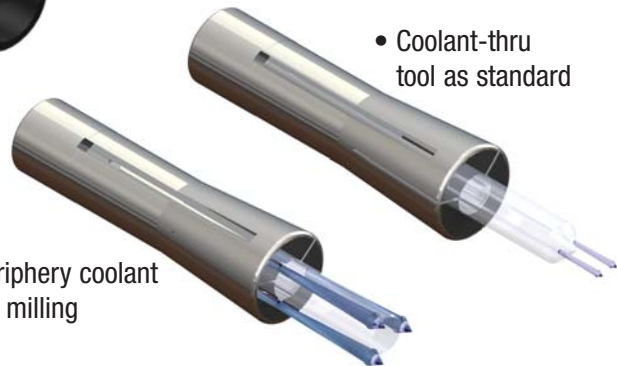
High-Speed, High-Precision: Max. 30,000 RPM (balanced at G2.5)

- Precision ground and pre-balanced, ensuring accuracy and reliability during high-speed operations.
- Most flexible Collet Chuck for machining Die Mold, Aerospace, and Medical parts by providing both clearance and accuracy.

High Runout Accuracy:

- Within 0.00012" at 4 times the diameter of the cutting tool!

Coolant-thru Capabilities:



- Coolant-thru tool as standard

- Periphery coolant for milling

Easy-to-use draw-in collet clamping mechanism: clamp/unclamp just with a wrench!

Standard type Mini-Mini Collet Chuck

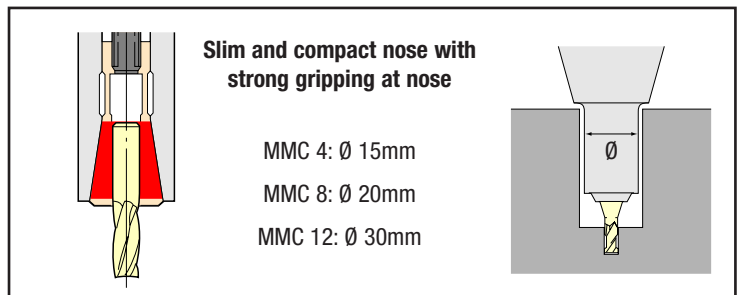


"A" type Mini-Mini Collet Chuck



Slim, Compact Nose and Front Clamping

No collet nut required! An internal draw-in collet clamping mechanism results in strong, high-precision gripping and allows for a slim nose that can access hard to reach areas.



Slim and compact nose with strong gripping at nose

- MMC 4: Ø 15mm
- MMC 8: Ø 20mm
- MMC 12: Ø 30mm

CAT MMC Collet Chucks

- No nut required. Slim, compact nose and front clamping allow greater rigidity and precision gripping
- High concentricity and repeatability
- Easy-to-use draw-in collet clamping pulled by standard side wrench
- Pre-balanced for high-speed applications

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.



TIR: 0.00012 or better



Speed: up to 30,000 rpm



Set-up: quick and easy to operate



Coolant-thru: thru tool coolant



Drilling
★☆☆☆☆



Milling
★★★★☆



Reaming
★★★★☆

CAT40/50

Part Number	Taper	Coolant-thru	Collet Series	Wrench	L	L1	D
CAT40-MMC4-90U	CT40	-	MPK4	Wrench-ALLEN6	3.543"	1.181"	0.591"
CAT40-MMC8C-85U-A	CT40	yes	VMK8	Wrench-THEX5	3.287"	1.476"	0.787"
CAT40-MMC8C-90U	CT40	yes	VMK8	Wrench-ALLEN6	3.543"	1.299"	0.787"
CAT40-MMC8C-125U-A	CT40	yes	VMK8	Wrench-ALLEN6	4.92"	1.574"	0.787"
CAT40-MMC8C-120U	CT40	yes	VMK8	Wrench-ALLEN6	4.724"	1.574"	0.787"
CAT40-MMC12C-90U	CT40	yes	VMK12	Wrench-ALLEN6	3.543"	1.378"	1.181"
CAT40-MMC12C-120U	CT40	yes	VMK12	Wrench-ALLEN6	4.724"	2.362"	1.181"
CAT50-MMC4-105U	CT50	-	MPK4	Wrench-ALLEN6	4.134"	1.181"	0.591"
CAT50-MMC8C-105U	CT50	yes	VMK8	Wrench-ALLEN6	4.134"	1.299"	0.787"
CAT50-MMC8C-135U	CT50	yes	VMK8	Wrench-ALLEN6	5.315"	1.574"	0.787"
CAT50-MMC8C-165U	CT50	yes	VMK8	Wrench-ALLEN6	6.496"	1.574"	0.787"
CAT50-MMC12C-105U	CT50	yes	VMK12	Wrench-ALLEN6	4.134"	1.378"	1.181"
CAT50-MMC12C-135U	CT50	yes	VMK12	Wrench-ALLEN6	5.315"	2.362"	1.181"
CAT50-MMC12C-165U	CT50	yes	VMK12	Wrench-ALLEN6	6.496"	2.756"	1.181"

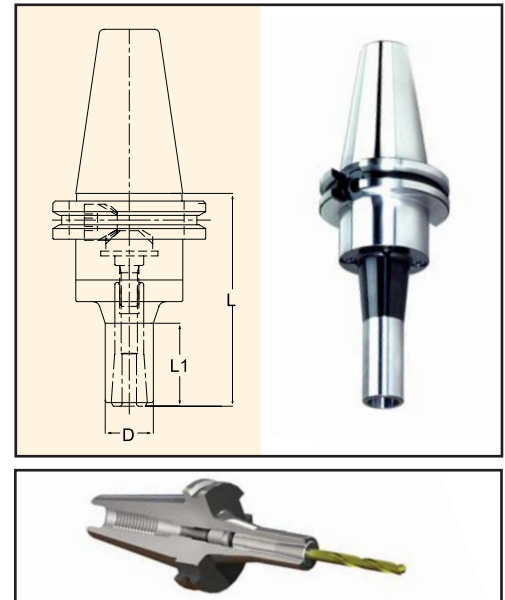
Note: wrench included with holder except for CAT40-MMC8C-85U-A.



Wrench-THEX5



Wrench-ALLEN6



A Style MMC Chuck

3-Lock MMC Collet Chucks for Dual Contact Spindle

3-Lock MMC Collet Chucks are available from stock and feature Nikken unique Triple Contact System. Please refer to page 239 in our technical section to learn more about Nikken's revolutionary 3-Lock System and tooling line.

For a complete list of part numbers and pricing, please contact our office at (800) 543-6237



Accessories:



MPK and VMK Collets
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Tool Jaw
Page 212



Pull Stud
Pages 139-140

BT MMC Collet Chucks

- No nut required. Slim, compact nose and front clamping allow greater rigidity and precision gripping
- High concentricity and repeatability
- Easy-to-use draw-in collet clamping pulled by standard side wrench
- Pre-balanced for high-speed applications

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.



TIR: 0.00012 or better



Speed: up to 30,000 rpm



Set-up: quick and easy to operate



Coolant-thru: thru tool coolant



Drilling
★★★★☆




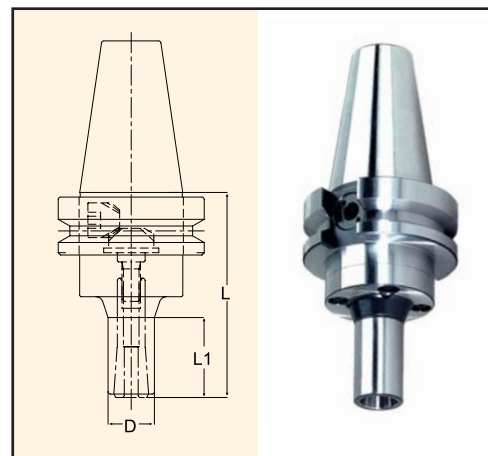
Milling
★★★★☆



Reaming
★★★★☆

BT30/40/50

Part Number	Taper	Coolant-thru	Collet Series 	Wrench	L	L1	D
BT30-MMC4-105	BT30	-	MPK4	Wrench-ALLEN6	4.134"	1.181"	0.591"
BT30-MMC8C-75-A	BT30	yes	VMK8	Wrench-THEX5	2.893"	1.476"	0.787"
BT30-MMC8-105	BT30	-	VMK8	Wrench-ALLEN6	4.134"	1.417"	0.787"
BT30-MMC12-105	BT30	-	VMK12	Wrench-ALLEN6	4.134"	1.378"	1.181"
BT40-MMC4-90	BT40	-	MPK4	Wrench-ALLEN6	3.543"	1.181"	0.591"
BT40-MMC8C-90	BT40	yes	VMK8	Wrench-ALLEN6	3.543"	1.417"	0.787"
BT40-MMC8C-120	BT40	yes	VMK8	Wrench-ALLEN6	4.724"	1.693"	0.787"
BT40-MMC12C-90	BT40	yes	VMK12	Wrench-ALLEN6	3.543"	1.378"	1.181"
BT40-MMC12C-120	BT40	yes	VMK12	Wrench-ALLEN6	4.724"	2.362"	1.181"
BT50-MMC4-105	BT50	-	MPK4	Wrench-ALLEN6	4.134"	1.181"	0.591"
BT50-MMC8C-105	BT50	yes	VMK8	Wrench-ALLEN6	4.134"	1.417"	0.787"
BT50-MMC8C-135	BT50	yes	VMK8	Wrench-ALLEN6	5.315"	1.693"	0.787"
BT50-MMC8C-165	BT50	yes	VMK8	Wrench-ALLEN6	6.496"	1.693"	0.787"
BT50-MMC12C-105	BT50	yes	VMK12	Wrench-ALLEN6	4.134"	1.378"	1.181"
BT50-MMC12C-135	BT50	yes	VMK12	Wrench-ALLEN6	5.315"	2.362"	1.181"
BT50-MMC12C-165	BT50	yes	VMK12	Wrench-ALLEN6	6.496"	2.756"	1.181"



A Style MMC Chuck

Note: wrench included with holder except for BT-30-MMC8C-75-A.



Wrench-THEX5



Wrench-ALLEN6

3-Lock MMC Collet Chucks for Dual Contact Spindle

3-Lock MMC Collet Chucks are available from stock and feature Nikken unique Triple Contact System. Please refer to page 239 in our technical section to learn more about Nikken's revolutionary 3-Lock System and tooling line.

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Accessories:



MPK and VMK Collets
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Tool Jaw
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Pull Stud
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HSK and Straight Shank MMC Collet Chucks

- No nut required. Slim, compact nose and front clamping allow greater rigidity and precision gripping
- High concentricity and repeatability
- Easy-to-use draw-in collet clamping pulled by standard side wrench
- Pre-balanced for high-speed applications

Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.



TIR: 0.00012 or better



Speed: up to 30,000 rpm



Set-up: quick and easy to operate



Coolant-thru: thru tool coolant



Drilling
★☆☆☆☆



Milling
★★★★☆

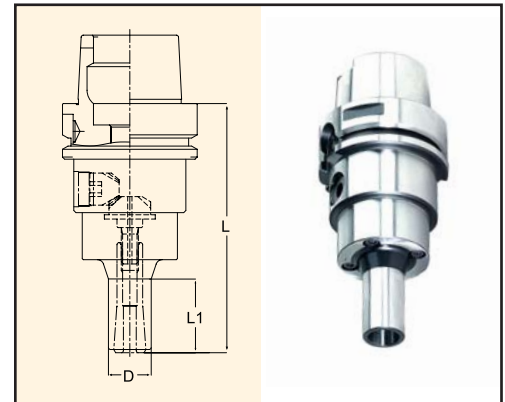


Reaming
★★★★☆

HSK63A/100A

Part Number	Coolant-thru	Collet Series	Wrench	L	L1	D
HSK63A-MMC8C-107-A*	yes	VMK8	Wrench-THEX5	4.153"	1.476"	0.787"
HSK63A-MMC8C-115	yes	VMK8	Wrench-ALLEN6	4.528"	1.299"	0.787"
HSK63A-MMC12C-110-A*	yes	VMK12	Wrench-THEX6	4.331"	1.417"	1.181"
HSK63A-MMC12C-117	yes	VMK12	Wrench-ALLEN6	4.606"	1.417"	1.181"
HSK100A-MMC8C-130	yes	VMK8	Wrench-ALLEN6	5.118"	1.299"	0.787"
HSK100A-MMC12C-130	yes	VMK12	Wrench-ALLEN6	5.118"	1.417"	1.181"

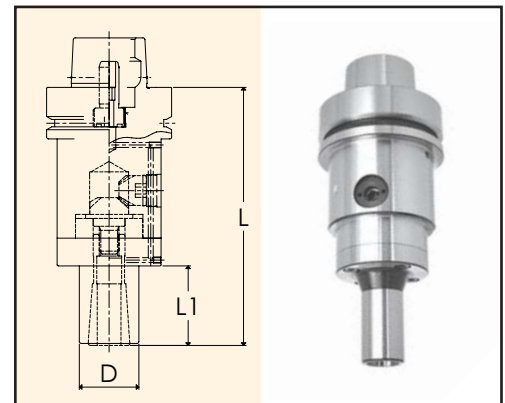
Note: wrench included with holder except for A type holders. Coolant tube and coolant tube wrench are sold separately. *"A"denotes collet is drawn directly from the rear of the holder by a bolt.



HSK63F

Part Number	Coolant-thru	Collet Series	Wrench	L	L1	D
HSK63F-MMC8C-127	yes	VMK8	Wrench-ALLEN6	5.000"	1.299"	0.787"
HSK63F-MMC12C-129	yes	VMK12	Wrench-ALLEN6	5.078"	1.417"	1.181"

Note: wrench included with holder. Coolant tube and coolant tube wrench are sold separately.



Straight Shank

Part Number	Coolant-thru	Collet Series	Wrench	L	L1	L2	D
K3/4-MMC8C-100	yes	VMK8	Wrench-ALLEN6	3.937"	0.787"	3.149"	0.787"
K1.1/4-MMC8C-122	yes	VMK8	Wrench-ALLEN6	4.803"	1.574"	2.637"	0.787"
K1.1/4-MMC8C-160	yes	VMK8	Wrench-ALLEN6	6.299"	1.574"	2.637"	0.787"

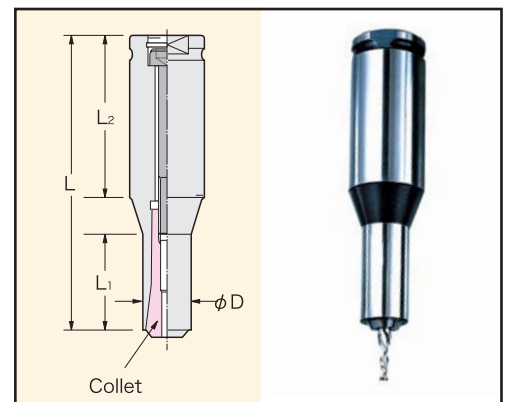
Note: wrench included with holder.



Wrench-THEX5
Wrench-THEX6



Wrench-ALLEN6



Accessories:



MPK and VMK Collets
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HSK Coolant Tube
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HSK Coolant Tube Wrench
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MMC Collets

These collets do not collapse.

Standard Collets

Collet series	Size	Part Number
MPK4	1/16"	MPK4-1/16
	3/32"	MPK4-3/32
	1.0mm	MPK4-1
	1.5mm	MPK4-1.5
	2.0mm	MPK4-2
	2.5mm	MPK4-2.5
	3.0mm	MPK4-3
	3.5mm	MPK4-3.5
	4.0mm	MPK4-4

Coolant Collets

Collet series	Size	Part Number
VMK8	1/8"	VMK8-1/8
	3/16"	VMK8-3/16
	1/4"	VMK8-1/4
	5/16"	VMK8-5/16
	3/8"	VMK8-3/8
	2.0mm	VMK8-2
	3.0mm	VMK8-3
	4.0mm	VMK8-4
	5.0mm	VMK8-5
	6.0mm	VMK8-6
	8.0mm	VMK8-8
	10.0mm	VMK8-10

Slotted Collets

Part Number
VMK8-1/8J
VMK8-3/16J
VMK8-1/4J
VMK8-5/16J
VMK8-3/8J
VMK8-2J
VMK8-3J
VMK8-4J
VMK8-5J
VMK8-6J
VMK8-8J
VMK8-10J

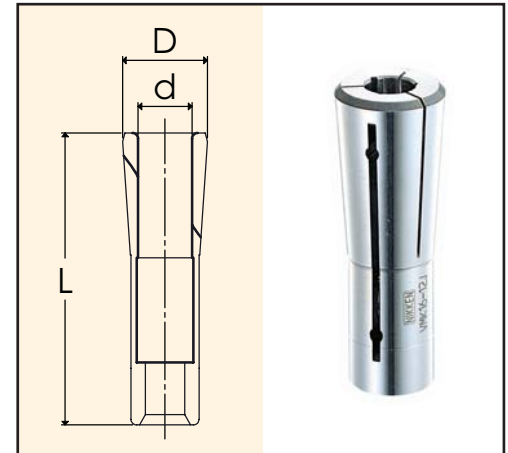
VMK12	3/16"	VMK12-3/16
	1/4"	VMK12-1/4
	5/16"	VMK12-5/16
	3/8"	VMK12-3/8
	7/16"	VMK12-7/16
	1/2"	VMK12-1/2
	4.0mm	VMK12-4
	5.0mm	VMK12-5
	6.0mm	VMK12-6
	8.0mm	VMK12-8
	10.0mm	VMK12-10
	12.0mm	VMK12-12

VMK12-3/16J
VMK12-1/4J
VMK12-5/16J
VMK12-3/8J
VMK12-7/16J
VMK12-1/2J
VMK12-4J
VMK12-5J
VMK12-6J
VMK12-8J
VMK12-10J
VMK12-12J

Note: these collets can be used for non-coolant application as well.

Coolant Tube and Coolant Tube Wrench for HSK Holders

Part Number	Description
HSK63-Tube	Coolant tube for HSK63 holders
HSK100-Tube	Coolant tube for HSK100 holders
HSK63-Wrench	Wrench for HSK63 coolant tube
HSK100-Wrench	Wrench for HSK100 coolant tube



Dimensional Data

Collet Series	D	L	Collet Range
MPK4	0.39" (10mm)	1.25" (32mm)	1/16" - 3/32" (1mm-4mm)
VMK8	0.59" (15mm)	2.02" (51.5mm)	1/8" - 3/8" (2mm-8mm)
VMK12	0.82" (21mm)	2.20" (56mm)	3/16" - 1/2" (4mm-12mm)

