

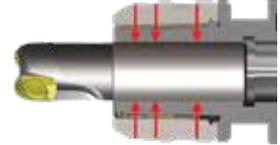


Milling Chuck Features

Nikken is the inventor of the original Milling Chuck (U.S. Patent 7018919). Since its introduction in 1963, Nikken has sold over 3,000,000 Milling Chucks worldwide and never stopped improving upon its original design. Featuring multi-roller bearings, spiral coolant slots, and a heavy-duty nut, the Milling Chuck is the most reliable and powerful toolholder available.



**STRONGEST
MECHANICALLY
GRIPPING HOLDER
IN THE WORLD!**



Construction and Design



Forged Nickel Chrome Molybdenum 4340 ground on taper and base.



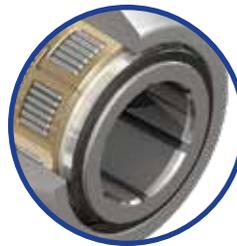
Staggered, coated steel cage packs 140% more needle rollers than competitors. This provides more gripping power. The retainer is NOT made of phosphor bronze, but rather of special steel which will never break.



Thick nut exerts immense gripping strength by collapsing tight taper on the mill chuck body.



Solid 1-piece base and thick wall provides rigidity for heavy machining.



Inner bore coolant slots project coolant at 2 degrees, assuring high pressure and volume of coolant during high RPM operations.



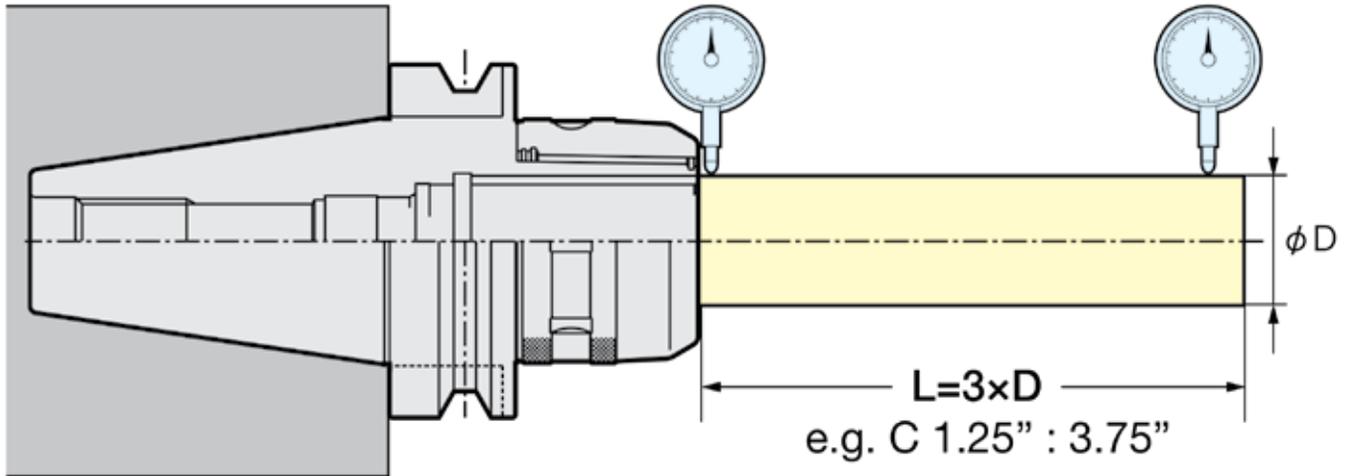
All milling chucks are cryogenically treated after heat treatment to stabilize concentrations of carbon. This prevents deformation and cracking when under stress for the life of the toolholder.



Milling Chuck Features

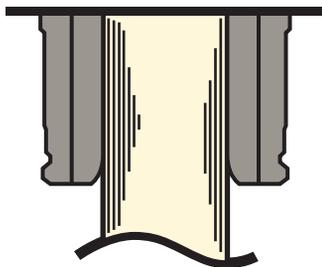
Superior Run Out Accuracy

Within 0.0002"

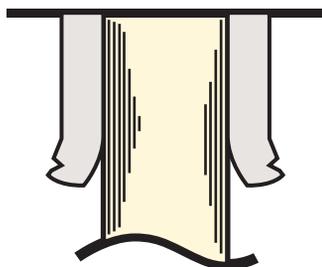


- Flange and taper grinding allow smooth and precise chucking of tool, resulting in minimal T.I.R.
- 0.0002 at 3.75" from the nose—guaranteed

STRONGEST Grip in the World UP TO 3,500 ft-lbs.!



NIKKEN Milling Chuck

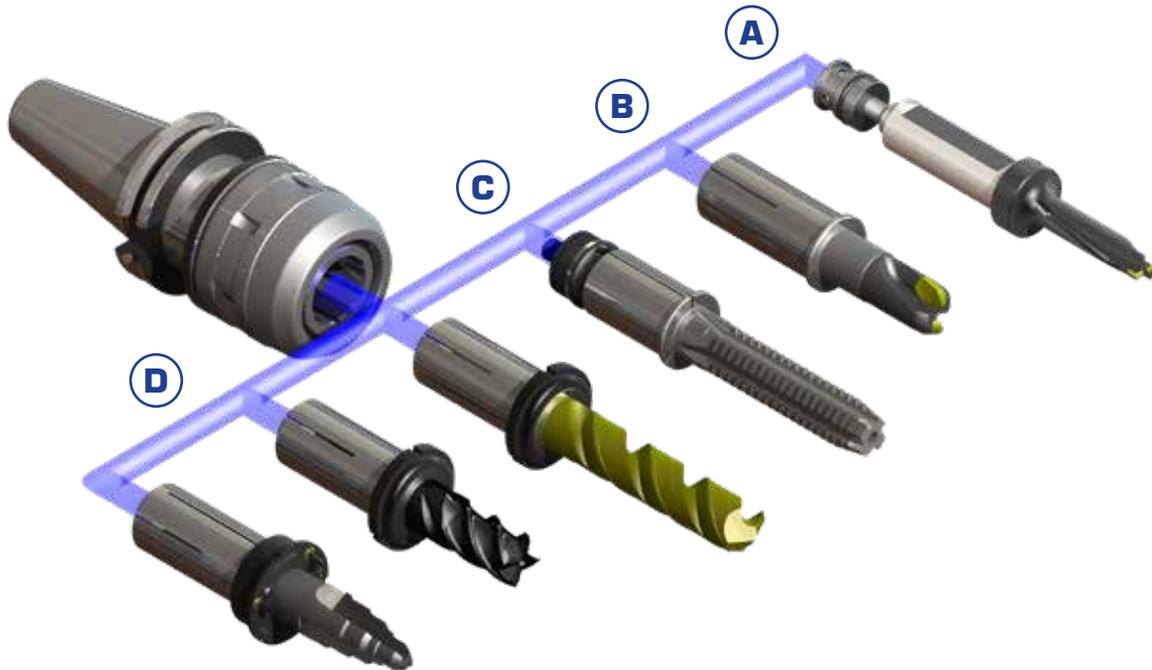


OTHER Milling Chuck

Nikken's patented Milling Chuck design allows clamping force to be dispersed evenly around the entire cutting tool shank. Gripping force up to 3,500 ft-lbs. can be applied ensuring optimal cutting performance and rigidity.

Milling Chuck Collet System

Nikken Milling Chuck Collets are designed to ensure uniform fit around the cutting tool shank. This provides maximum gripping power as well as concentric positioning of the cutting tool. All Milling Chuck Collets will surpass the precision and rigidity of traditional collet chuck systems if the cutting tool shank tolerance is guaranteed to be h6 or better.



A



Direct Coolant Plug (thru-tool)

- By combining a backup screw and coolant plug in one, the inner diameter of the milling chuck can be used with or without coolant
- Coolant through cutter ports can easily be sealed by an o-ring located at the face of the coolant plug
- 1200 PSI capable
- Excellent for high torque deep drilling
- Available for inch and metric shanks

B



KM Collet

- High Precision KM reduction collets extend the chucking flexibility of the milling chuck. All inch and metric standard sizes can be held by the same toolholder.
- Can be used in conjunction with a coolant back up screw for high pressure (1200 PSI) applications.

C



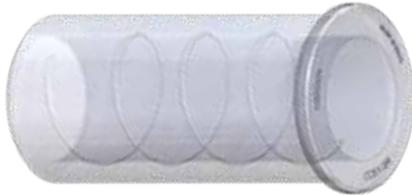
NK Collet

- High precision inch and metric NK reduction collets extend the chucking flexibility of the milling chuck and offer a built in back up screw for repeatability when replacing cutters.
- Easy set up since the NK fits directly into the inner diameter of the milling chuck.



Milling Chuck Coolant Collet System

D



CCK Collet: Coolant-Thru

- High Pressure coolant application through existing slots
- CCK reduction collets offers flexibility to hold both metric and inch standard shanks
- Straight collet design eliminates taper tolerance variation between mating surfaces
- Many options available to configure how coolant is expelled
- CCK collets are designed with an internal coolant groove that helps channel high pressure coolant to the periphery of your cutter without any reduction of gripping strength and T.I.R. accuracy



Coolant-Thru Nut: CKFN-C

When paired with the Nikken Milling Chuck Coolant Collet (CCK), the Coolant-Thru Nut forms a complete seal around the cutting tool. This forms an ideal combination for Coolant-Thru cutting tools.

- Internal durable O-ring seals for high pressure (750 PSI)
- Prevents swarf and chips from packing on the collet face
- Available for inch and metric shanks

Both the Coolant Collet and the Coolant-Thru Nut must be ordered on size for each cutting tool (see pages 115-116 for sizes and part numbers).



Slotted Nut: CKFN

When paired with the Nikken Milling Chuck Coolant Collet (CCK), the Slotted Nut allows coolant to travel down the shank of the cutting tool to the cutting edge. This combination is ideal for non Coolant-Thru cutting tools.

- 3 angled slots keeps high pressure coolant (up to 1200 PSI) aimed toward the periphery of the cutter, even at high RPM
- Helps remove chips during deep pocketing applications
- Available for inch and metric shanks

Both the Coolant Collet and the Slotted Nut must be ordered on size for each cutting tool (see pages 115-116 for sizes and part numbers).



Slotted Nut: CKFN-MN

- 3 adjustable nozzles help channel high pressure coolant to different cutter points (up to 750 PSI)
- Excellent for tools with multiple cutter points
- Available for inch and metric shanks

Why Upgrade to the Nikken Milling Chuck?

The Nikken Milling Chuck is a renowned universal toolholder that has proven its efficiency for years all over the world. Featuring a revolutionary design and collet system, the Nikken Milling Chuck allows for high-speed applications up to 20,000 RPM and offers incredible benefits compared to standard End Mill Holders such as higher accuracy and higher rigidity.

See below to find out what makes our Nikken Milling Chuck the best choice for any milling application.

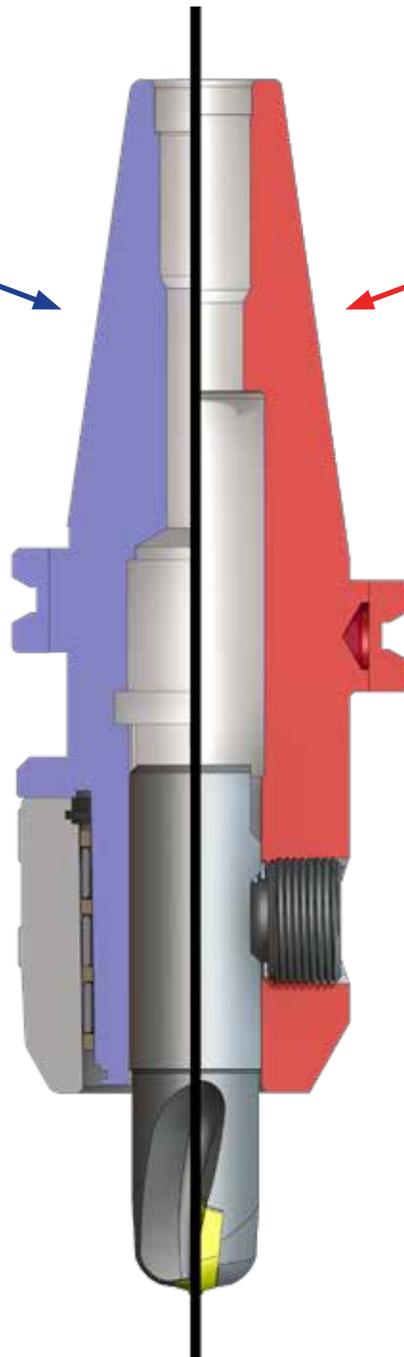
**Lyndex-Nikken
Milling Chuck**

End Mill Holder

AT3 or better taper tolerance

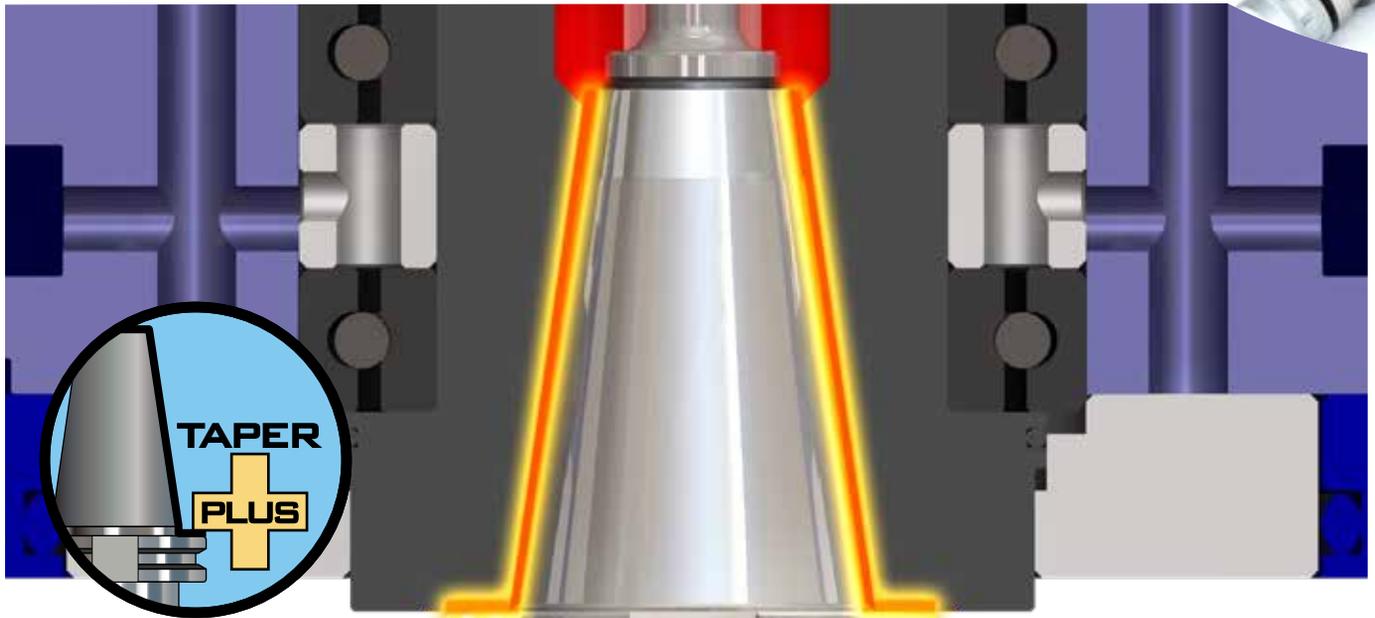
AT4 taper tolerance

- Most powerful collet chuck in the world
- Symmetrical design—pre-balanced body and nut allow the milling chuck to operate beyond 20,000 RPM
- Outside bearing nut mechanically induces tight taper of the milling chuck to evenly collapse onto the cutting shank for high precision T.I.R.
- 6 angled coolant slots are standard, providing high pressure and high volume of coolant directed toward the periphery of the cutting tool



- 120 year-old concept for holding tools
- Non-symmetrical design creates imbalance
- Requires tools with Weldon flats which create further imbalance
- Set screw shifts cutter off center which creates unacceptable run-out for precision milling
- Coolant slots are optional and are not large enough to create high volume of cutting fluid under high pressure applications

Taper Plus - Dual Contact Toolholders



Look for the Taper Plus logo for dual-taper and flange contact availability.

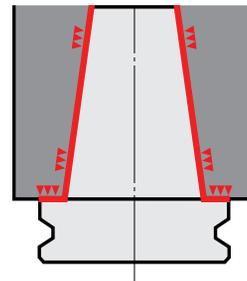
DUAL Taper & Flange Contact Advantages

- High Rigidity for smooth and stable cutting
- Vibration Dampening for increased productivity
- Outstanding Runout Accuracy for longer tool life
- Interchangeable between Standard and Dual Face Contact spindles for greater flexibility

The Power of the Dampening Effect

Taper and Flange Contact establishes 53.3% more surface area contact than just the taper alone, creating a dampening effect that eliminates chatter and vibration.

With the additional flange contact becoming a supportive cantilever, cutting rigidity is highly improved.



CAT/BT Dual Face Contact Spindle + Taper Plus Toolholder

High Quality Taper Grinding

AT3 or better taper tolerance.

- All 40 taper tool angles are manufactured within ± 0.0011 degrees angular tolerance
- Largest diameter of taper (where rigidity is established) is held within ± 80 millionths (.00008")
- Precision ground taper ensures 80% or better taper contact



CAT Milling Chucks

- Nikken patented design
- Nut body contact, nose clamping and anti-vibration mechanism
- Thick body and internal slots provide extremely strong chucking torque and rigidity
- Quiet and stable heavy milling
- 140% more bearing surface than competitors' milling chucks



T.I.R.: <0.0002" at 3xD



Speed: up to 20,000 RPM



Set-up: quick and easy



Coolant-Thru: thru-tool coolant



Milling



Drilling



Tapping



Reaming

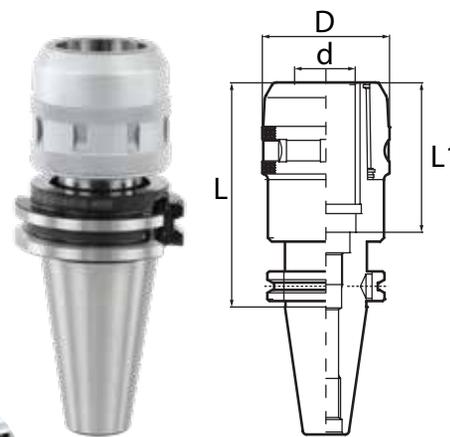
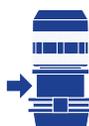
Please note that the maximum RPM listed in our catalog may vary depending on the toolholder shank, weight, balanceability and the G rating.

CAT40

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
CAT40-C3/4-70U-IDU*	KM3/4	0.125 - 0.750"	9HC22	0.750"	2.755"	3.149"	2.027"
CAT40-C3/4-85U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	3.346"	3.149"	2.027"
CAT40-C3/4-105U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	4.133"	3.149"	2.047"
CAT40-C3/4-120U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	4.724"	3.149"	2.027"
CAT40-C1-85U-IDU	KM1	0.125 - 1.000"	9HC25	1.000"	3.346"	3.149"	2.342"
CAT40-C1-105U-IDU	KM1	0.125 - 1.000"	9HC25	1.000"	4.133"	3.149"	2.342"
CAT40-C1.1/4-85U-IDU**	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	3.346"	3.031"	2.519"
CAT40-C1.1/4SL-105U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	4.133"	3.031"	2.716"
CAT40-C1.1/4SL-120U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	4.724"	3.149"	2.716"
CAT40-C32-105U-IDU	KM32	6 - 32mm	9HC32	32mm	4.133"	3.031"	2.519"

Note:

- Spanner wrench not included.
- *CAT40-C3/4-70U Milling Chuck does not have safety recess.
- **Coolant-Thru nut and slotted nut will not fit CAT40-C1.1/4-85U (old generation)



Available in **TAPER PLUS** Dual-taper and flange contact

CAT50

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
CAT50-C3/4-105U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	4.133"	3.149"	2.027"
CAT50-C3/4-135U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	5.314"	3.149"	2.027"
CAT50-C3/4-165U-IDU	KM3/4	0.125 - 0.750"	9HC22	0.750"	6.496"	3.149"	2.027"
CAT50-C1-105U-IDU	KM1	0.125 - 1.000"	9HC25	1.000"	4.133"	3.149"	2.342"
CAT50-C1-135U-IDU	KM1	0.125 - 1.000"	9HC25	1.000"	5.314"	3.149"	2.342"
CAT50-C1.1/4-90U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	3.543"	4.133"	2.716"
CAT50-C1.1/4-105U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	4.133"	4.133"	2.716"
CAT50-C1.1/4-135U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	5.314"	4.133"	2.716"
CAT50-C1.1/4-165U-IDU	KM1-1/4	0.187 - 1.250"	9HC32	1.250"	6.496"	4.133"	2.716"
CAT50-C32-105U-IDU	KM32	6 - 32mm	9HC32	32mm	4.133"	4.133"	2.716"
CAT50-C32-165U-IDU	KM32	6 - 32mm	9HC32	32mm	6.496"	4.133"	2.716"
CAT50-C2-125U-IDU	KM2	1.000 - 2.000"	9HC50	2.000"	4.921"	3.228"	4.133"

Note: Spanner wrench not included.



Available in **TAPER PLUS** Dual-taper and flange contact



KM & NK
Collets
Pages 113-114



Spanner
Wrench
Page 117



Back-Up
Screw
Page 117



Coolant-Thru &
Slotted Nuts
Page 115-116

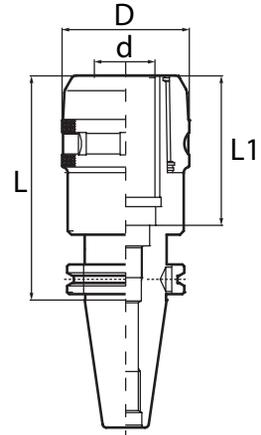
CAT Milling Chucks



CAT40 - DIN

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
CAT40-C3/4F-85U	KM3/4	0.125-0.750"	9HC22	0.750"	3.346"	3.149"	2.047"
CAT40-C3/4F-105U	KM3/4	0.125-0.750"	9HC22	0.750"	4.133"	3.149"	2.047"
CAT40-C1F-105U	KM1	0.125-1.000"	9HC25	1.000"	4.133"	3.149"	2.342"
CAT40-C1F-85U	KM1	0.125-1.000"	9HC25	1.000"	3.346"	3.149"	2.342"
CAT40-C1.1/4SLF-120U	KM1-1/4	0.187-1.250"	9HC32	1.250"	4.724"	4.133"	2.716"

Note: Spanner wrench not included.



CAT50 - DIN

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
CAT50-C3/4F-105U	KM3/4	0.125-0.750"	9HC22	0.750"	4.133"	3.149"	2.047"
CAT50-C3/4F-135U	KM3/4	0.125-0.750"	9HC22	0.750"	5.314"	3.149"	2.047"
CAT50-C1F-105U	KM1	0.125-1.000"	9HC25	1.000"	4.133"	4.133"	2.342"
CAT50-C1F-135U	KM1	0.125-1.000"	9HC25	1.000"	5.314"	3.149"	2.342"
CAT50-C1.1/4F-135U	KM1-1/4	0.187-1.250"	9HC32	1.250"	5.314"	4.133"	2.716"

Note: Spanner wrench not included.



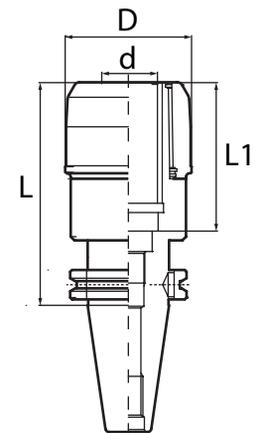
TAPER PLUS
Dual-taper and flange contact available.
See page 111.

CAT40 High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
CAT40-C3/4-85UG-IDU	KM3/4	0.125-0.750"	GH20	0.750"	3.346"	3.149"	2.047"
CAT40-C3/4-105UG-IDU	KM3/4	0.125-0.750"	GH20	0.750"	4.724"	3.149"	2.047"
CAT40-C1-105UG-IDU	KM1	0.125-1.000"	GH25	1.000"	4.133"	3.149"	2.362"
CAT40-C1.1/4SL-105UG-IDU	KM1.1/4	0.187-1.250"	GH32	1.250"	4.133"	3.031"	2.716"
CAT40-C1.1/4SL-120UG-IDU	KM1.1/4	0.187-1.250"	GH32	1.250"	4.724"	3.149"	2.716"

Note:

- High-speed spanner wrench not included.
- High-speed CAT40 Milling Chucks use special high-speed spanner wrenches.



CAT50 High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
CAT50-C3/4-105UG	KM3/4	0.125-0.750"	GH20	0.750"	4.133"	3.149"	2.047"
CAT50-C3/4-135UG	KM3/4	0.125-0.750"	GH20	0.750"	5.314"	3.149"	2.047"
CAT50-C1-105UG-IDU	KM1	0.125-1.000"	GH25	1.000"	4.133"	3.149"	2.362"
CAT50-C1-135UG	KM1	0.125-1.000"	GH25	1.000"	5.314"	3.149"	2.362"
CAT50-C1.1/4-105UG-IDU	KM1.1/4	0.187-1.250"	GH32	1.250"	4.133"	4.133"	2.716"
CAT50-C1.1/4-135UG	KM1.1/4	0.187-1.250"	GH32	1.250"	5.314"	4.133"	2.716"

Note:

- High-speed spanner wrench not included.
- High-speed CAT50 Milling Chucks use special high-speed spanner wrenches.



TAPER PLUS
Dual-taper and flange contact available.
See page 111.



KM & NK Collets
Pages 113-114



Spanner Wrench
Page 117



Back-Up Screw
Page 117



Coolant-Thru & Slotted Nuts
Page 115-116

BT Milling Chucks

- Nikken patented design
- Nut body contact, nose clamping and anti-vibration mechanism
- Thick body and internal slots provide extremely strong chucking torque and rigidity
- Quiet and stable heavy milling
- 140% more bearing surface than competitors' milling chucks



T.I.R.: <0.0002" at 3xD



Speed: up to 20,000 RPM



Set-up: quick and easy



Coolant-Thru: thru-tool coolant



Milling



Drilling



Tapping



Reaming

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

BT30

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
BT30-C3/4-75*	KM3/4	0.125-0.750"	9HC22	0.750"	2.952"	3.162"	2.027"

Note:

- Spanner wrench not included.
- "*" indicates stubby style.



Available in **TAPER PLUS** ⁺ Dual-taper and flange contact

BT40

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
BT40-C3/4-70*	KM3/4	0.125-0.750"	9HC22	0.750"	2.755"	3.149"	2.027"
BT40-C3/4-105	KM3/4	0.125-0.750"	9HC22	0.750"	4.133"	3.149"	2.027"
BT40-C1-70*	KM1	0.125-1.000"	9HC25	1.000"	2.755"	3.149"	2.342"
BT40-C1-90	KM1	0.125-1.000"	9HC25	1.000"	3.543"	3.149"	2.342"
BT40-C1.1/4-85	KM1-1/4	0.187-1.250"	9HC32	1.250"	3.346"	3.031"	2.716"
BT40-C1.1/4-120	KM1-1/4	0.187-1.250"	9HC32	1.250"	4.724"	4.133"	2.716"
BT40-C32-105	KM32	6 - 32mm	9HC32	32mm	4.133"	3.543"	2.716"

Note:

- Spanner wrench not included.
- "*" indicates stubby style.

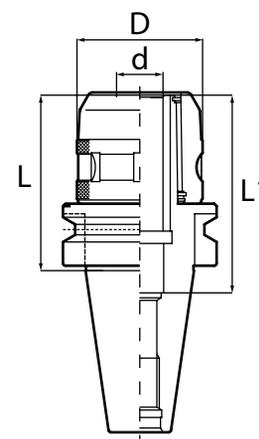


Available in **TAPER PLUS** ⁺ Dual-taper and flange contact

BT50

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
BT50-C3/4-105	KM3/4	0.125-0.750"	9HC22	0.750"	4.133"	3.149"	2.027"
BT50-C3/4-135	KM3/4	0.125-0.750"	9HC22	0.750"	5.314"	3.149"	2.027"
BT50-C1-105	KM1	0.125-1.000"	9HC25	1.000"	4.133"	3.149"	2.342"
BT50-C1-135	KM1	0.125-1.000"	9HC25	1.000"	5.314"	3.149"	2.342"
BT50-C1.1/4-90	KM1-1/4	0.187-1.250"	9HC32	1.250"	3.543"	4.133"	2.716"
BT50-C1.1/4-135	KM1-1/4	0.187-1.250"	9HC32	1.250"	5.314"	4.133"	2.716"
BT50-C32-105	KM32	6 - 32mm	9HC32	32mm	4.133"	4.133"	2.716"
BT50-C32-165	KM32	6 - 32mm	9HC32	32mm	6.496"	4.133"	2.716"
BT50-C2-105	KM2	1.000-2.000"	9HC50	2.000"	4.133"	3.543"	4.133"

Note: Spanner wrench not included.



BT Milling Chucks



BT30 High Speed

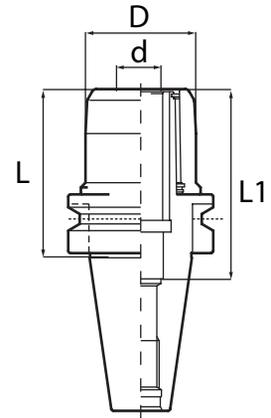
Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
BT30-C3/4-75G**	KM3/4	0.125-0.750"	GH20	0.750"	2.952"	2.362"	2.047"

Note:

- High-speed spanner wrench not included
- High-speed BT30 Milling Chucks use special high-speed spanner wrenches



Available in **TAPER PLUS** Dual-taper and flange contact



BT40 High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
BT40-C3/4-70G*	KM3/4	0.125-0.750"	GH20	0.750"	2.755"	3.149"	2.047"
BT40-C3/4-105G	KM3/4	0.125-0.750"	GH20	0.750"	4.133"	3.149"	2.047"
BT40-C1-70G*	KM1	0.125-1.000"	GH25	1.000"	2.755"	3.149"	2.362"
BT40-C1-90G	KM1	0.125-1.000"	GH25	1.000"	3.543"	3.149"	2.362"
BT40-C1.1/4-85G	KM1.1/4	0.187-1.250"	GH32	1.250"	3.346"	3.031"	2.716"
BT40-C1.1/4-120G	KM1.1/4	0.187-1.250"	GH32	1.250"	4.724"	2.677"	2.716"

Note:

- "*" indicates stubby style.
- High-speed spanner wrench not included.
- High-speed BT40 Milling Chucks use special high-speed spanner wrenches.



Available in **TAPER PLUS** Dual-taper and flange contact

BT50 High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
BT50-C3/4-105G	KM3/4	0.125-0.750"	GH20	0.750"	4.133"	3.149"	2.047"
BT50-C3/4-135G	KM3/4	0.125-0.750"	GH20	0.750"	5.314"	3.149"	2.047"
BT50-C1-105G	KM1	0.125-1.000"	GH25	1.000"	4.133"	3.149"	2.362"
BT50-C1-135G	KM1	0.125-1.000"	GH25	1.000"	5.314"	3.149"	2.362"
BT50-C1.1/4-90G	KM1.1/4	0.187-1.250"	GH32	1.250"	3.543"	4.133"	2.716"
BT50-C1.1/4-135G	KM1.1/4	0.187-1.250"	GH32	1.250"	5.314"	4.133"	2.716"

Note:

- High-speed spanner wrench not included.
- High-speed BT50 Milling Chucks use special high-speed spanner wrenches.



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HSK Milling Chucks

- Nikken patented design
- Nut body contact, nose clamping and anti-vibration mechanism
- Thick body and internal slots provide extremely strong chucking torque and rigidity
- Quiet and stable heavy milling
- 140% more bearing surface than competitors' milling chucks



T.I.R.: <0.0002" at 3xD



Speed: up to 20,000 RPM



Set-up: quick and easy



Coolant-Thru: thru-tool coolant



Milling



Drilling



Tapping



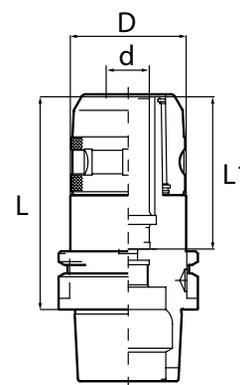
Reaming

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

HSK63A

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
HSK63A-C3/4-95	KM3/4	0.125-0.750"	9HC22	0.750"	3.740"	2.677"	2.027"
HSK63A-C3/4-110	KM3/4	0.125-0.750"	9HC22	0.750"	4.330"	3.149"	2.027"
HSK63A-C1-100	KM1	0.125-1.000"	9HC25	1.000"	3.937"	2.972"	2.342"
HSK63A-C1-130	KM1	0.125-1.000"	9HC25	1.000"	5.118"	3.149"	2.342"
HSK63A-C1.1/4-110	KM1.1/4	0.187-1.250"	9HC32	1.250"	4.330"	3.267"	2.716"
HSK63A-C1.1/4-130	KM1.1/4	0.187-1.250"	9HC32	1.250"	5.118"	3.188"	2.716"
HSK63A-C32-130	KM32	6 - 32mm	9HC32	32mm	5.118"	3.188"	2.716"

Note: Spanner wrench, coolant tube and coolant tube wrench not included. Please see page 117 for more details.

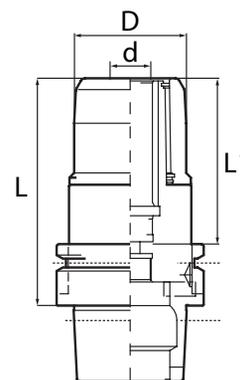


HSK63A High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
HSK63A-C3/4-95G	KM3/4	0.125-0.750"	GH20	0.750"	3.740"	2.677"	1.889"
HSK63A-C3/4-110G	KM3/4	0.125-0.750"	GH20	0.750"	4.330"	3.149"	1.889"
HSK63A-C1-100G	KM1	0.125-1.000"	GH25	1.000"	3.937"	2.972"	2.149"
HSK63A-C1-130G	KM1	0.125-1.000"	GH25	1.000"	5.118"	2.149"	2.165"
HSK63A-C1.1/4-110G	KM1.1/4	0.187-1.250"	GH32	1.250"	4.330"	3.267"	2.677"
HSK63A-C1.1/4-130G	KM1.1/4	0.187-1.250"	GH32	1.250"	5.118"	3.188"	2.677"

Note:

- High-Speed Spanner wrench, coolant tube and coolant tube wrench not included. Please see page 117 for more details.
- High-speed HSK63A Milling Chucks use special high-speed spanner wrenches.

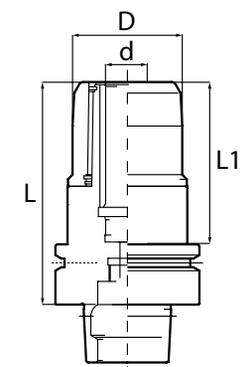


HSK63F High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
HSK63F-C3/4-95G	KM3/4	0.125-0.750"	GH20	0.750"	3.740"	2.677"	3.307"
HSK63F-C1-100G	KM1	0.125-1.000"	GH25	1.000"	3.937"	2.952"	2.149"
HSK63F-C1.1/4-110G	KM1.1/4	0.187-1.250"	GH32	1.250"	4.330"	3.267"	2.677"

Note:

- High-Speed Spanner wrench, coolant tube, and coolant tube wrench not included. Please see page 117 for more details.
- High-speed HSK63F Milling Chucks use special high-speed spanner wrenches.



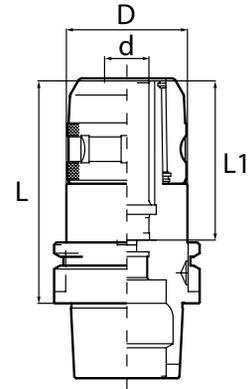
HSK Milling Chucks



HSK100A

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
HSK100A-C3/4-115	KM3/4	0.125-0.750"	9HC22	0.750"	4.527"	3.149"	2.027"
HSK100A-C3/4-135	KM3/4	0.125-0.750"	9HC22	0.750"	5.314"	3.149"	2.027"
HSK100A-C1-115	KM1	0.125-1.000"	9HC25	1.000"	4.527"	3.149"	2.342"
HSK100A-C1-135	KM1	0.125-1.000"	9HC25	1.000"	5.314"	3.149"	2.342"
HSK100A-C1.1/4-115	KM1-1/4	0.187-1.250"	9HC32	1.250"	4.527"	3.267"	2.716"
HSK100A-C1.1/4-165	KM1-1/4	0.187-1.250"	9HC32	1.250"	6.496"	3.188"	2.716"
HSK100A-C32-135	KM32	6 - 32mm	9HC32	32mm	5.314"	3.188"	2.716"
HSK100A-C2-125	KM2	1.000-2.000"	9HC50	2.000"	4.921"	3.543"	4.133"

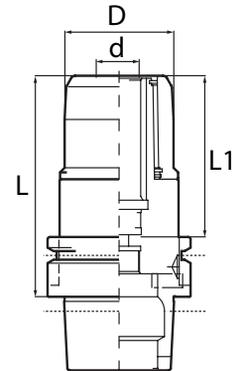
Note: Spanner wrench, coolant tube, and coolant tube wrench not included.
Please see page 117 for more details.



HSK100A High Speed

Part Number	Collet Size	Clamping Range	High-Speed Spanner Wrench	d	L	L1	D
HSK100A-C3/4-115G	KM3/4	0.125-0.750"	GH20	0.750"	4.527"	3.149"	2.047"
HSK100A-C3/4-135G	KM3/4	0.125-0.750"	GH20	0.750"	5.314"	3.149"	2.047"
HSK100A-C1-115G	KM1	0.125-1.000"	GH25	1.000"	4.527"	3.149"	2.362"
HSK100A-C1-135G	KM1	0.125-1.000"	GH25	1.000"	5.314"	3.149"	2.362"
HSK100A-C1.1/4-115G	KM1.1/4	0.187-1.250"	GH32	1.250"	4.527"	3.267"	2.716"
HSK100A-C1.1/4-165G	KM1.1/4	0.187-1.250"	GH32	1.250"	6.496"	3.188"	2.716"

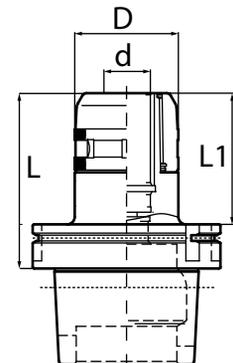
- Note:
- Spanner wrench, coolant tube, and coolant tube wrench not included. Please see page 117 for more details.
 - High-speed HSK100A Milling Chucks use special high-speed spanner wrenches.



HSK125A

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
HSK125A-C1-115	KM1	0.125-1.000"	9HC25	1.000"	4.527"	3.031"	2.047"
HSK125A-C1.1/4-115	KM1-1/4	0.187-1.250"	9HC32	1.250"	4.527"	3.386"	2.716"
HSK125A-C2-125	KM2	1.000-2.000"	9HC50	2.000"	4.921"	3.780"	4.134"

Note: Spanner wrench, coolant tube, and coolant tube wrench not included.
Please see page 117 for more details.



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NMTB Milling Chucks

- Nikken patented design
- Nut body contact, nose clamping and anti-vibration mechanism
- Thick body and internal slots provide extremely strong chucking torque and rigidity
- Quiet and stable heavy milling
- 140% more bearing surface than competitors' milling chucks



T.I.R.: <0.0002" at 3xD



Set-up: quick and easy



Coolant-Thru: thru-tool coolant



Milling



Drilling



Tapping



Reaming

NMTB40

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
NMTB40-C3/4-70	KM3/4	0.125-0.750"	9HC22	0.750"	2.755"	3.149"	2.027"
NMTB40-C1.1/4-105	KM1-1/4	0.187-1.250"	9HC25	1.250"	4.133"	3.149"	2.716"

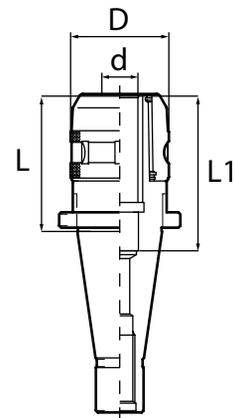
Note: Spanner wrench not included.

NMTB50

Part Number	Collet Size	Clamping Range	Spanner Wrench	d	L	L1	D
NMTB50-C3/4-65	KM3/4	0.125-0.750"	9HC22	0.750"	2.559"	3.149"	2.027"
NMTB50-C1.1/4-90	KM1-1/4	0.187-1.250"	9HC25	1.250"	3.543"	4.133"	2.716"
NMTB50-C2-105	KM2	1.000-2.000"	9HC50	2.000"	4.133"	3.543"	4.133"

Note:

- Spanner wrench not included.
- All NMTB shanks are suitable for use with Erickson Quick Change spindles.



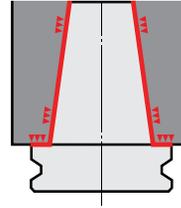


Taper Plus CAT Milling Chucks

Taper Plus Advantages



- Outstanding runout accuracy for longer tool life
- Vibration dampening for increased productivity
- High rigidity for smooth and stable cutting
- Interchangeable between standard and dual face contact spindles
- 53% more surface area contact than just the taper alone



Taper Plus - CAT40

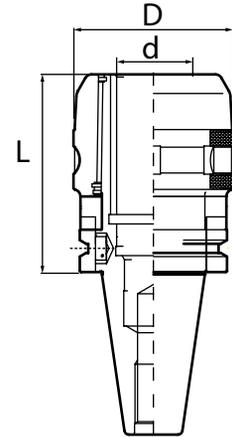
Part Number	Collet Series	Wrench	Clamping Range	d	L	D
NCAT40-C1-105U	KM1 or CCK1	9HC25	0.125-1.000"	1.000"	4.133"	2.362"
NCAT40-C1.1/4SL-120U	KM1.1/4 or CCK1.1/4	9HC32	0.125-1.250"	1.250"	4.724"	2.716"

Note: "N" denotes Taper Plus dual face contact.

Taper Plus - CAT50

Part Number	Collet Series	Wrench	Clamping Range	d	L	D
NCAT50-C3/4-105U	KM3/4 or CCK3/4	9HC22	0.125-0.750"	0.750"	4.133"	2.047"
NCAT50-C3/4-135U	KM3/4 or CCK3/4	9HC22	0.125-0.750"	0.750"	5.314"	2.047"
NCAT50-C3/4-165U	KM3/4 or CCK3/4	9HC22	0.125-0.750"	0.750"	6.496"	2.047"
NCAT50-C1-135U	KM1 or CCK1	9HC25	0.125-1.000"	1.000"	5.314"	2.362"
NCAT50-C1.1/4-90U	KM1.1/4 or CCK1.1/4	9HC32	0.187-1.250"	1.250"	3.543"	2.716"
NCAT50-C2-105U	KM2 or CCK2	9HC50	1.000-2.000"	2.000"	4.133"	4.133"

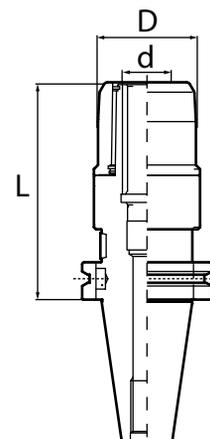
Note: "N" denotes Taper Plus dual face contact.



Taper Plus - CAT40 High Speed

Part Number	Collet Series	High-Speed Spanner Wrench	Clamping Range	d	L	D
NCAT40-C3/4-120UG	KM3/4 or CCK3/4	GH20	0.125-0.750"	0.750"	4.724"	1.889"
NCAT40-C1-85UG	KM1 or CCK1	GH25	0.125-1.000"	1.000"	3.346"	2.362"
NCAT40-C1.1/4SL-85UG	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	3.346"	2.677"
NCAT40-C1.1/4SL105UG	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	4.133"	2.677"
NCAT40-C1.1/4SL120UG	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	4.724"	2.677"

Note: "N" denotes Taper Plus dual face contact.



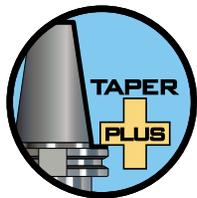
Taper Plus - CAT50 High Speed

Part Number	Collet Series	High-Speed Spanner Wrench	Clamping Range	d	L	D
NCAT50-C3/4-105UG	KM3/4 or CCK3/4	GH20	0.125-0.750"	0.750"	4.133"	1.889"
NCAT50-C1-105UG	KM1 or CCK1	GH25	0.125-1.000"	1.000"	4.133"	2.362"
NCAT50-C1-135UG	KM1 or CCK1	GH25	0.125-1.000"	1.000"	5.314"	2.362"
NCAT50-C1.1/4-90UG	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	3.543"	2.716"
NCAT50-C1.1/4-105UG	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	4.133"	2.716"

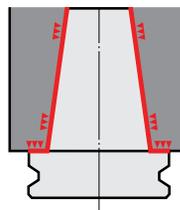
Note: "N" denotes Taper Plus dual face contact.

Taper Plus BT Milling Chuck

Taper Plus Advantages



- Outstanding runout accuracy for longer tool life
- Vibration dampening for increased productivity
- High rigidity for smooth and stable cutting
- Interchangeable between standard and dual face contact spindles
- 53% more surface area contact than just the taper alone



Taper Plus - BT30

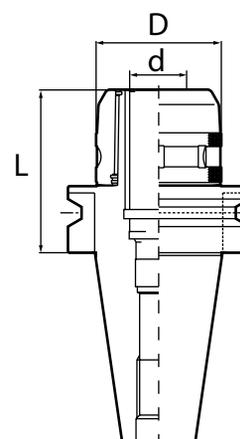
Part Number	Collet Series	Wrench	Clamping Range	d	L	D
NBT30-C3/4-75	KM3/4 or CCK3/4	9HC22	0.125-0.750"	0.750"	2.952"	2.047"

Note: "N" denotes Taper Plus dual face contact.

Taper Plus - BT40

Part Number	Collet Series	Wrench	Clamping Range	d	L	D
NBT40-C3/4-70	KM3/4 or CCK3/4	9HC22	0.125-0.750"	0.750"	2.755"	2.047"
NBT40-C1-70	KM1 or CCK1	9HC25	0.125-1.000"	1.000"	2.755"	2.047"
NBT40-C1-90	KM1 or CCK1	9HC25	0.125-1.000"	1.000"	3.543"	2.047"
NBT40-C1.1/4-85	KM1.1/4 or CCK1.1/4	9HC32	0.187-1.250"	1.250"	3.346"	2.716"
NBT40-C1.1/4-120	KM1.1/4 or CCK1.1/4	9HC32	0.187-1.250"	1.250"	4.724"	2.716"

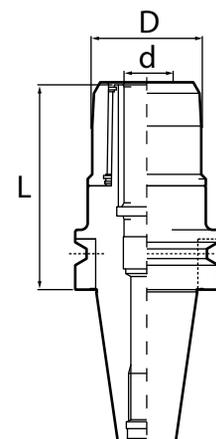
Note: "N" denotes Taper Plus dual face contact.



Taper Plus - BT30 High Speed

Part Number	Collet Series	High-Speed Spanner Wrench	Clamping Range	d	L	D
NBT30-C3/4-75G	KM3/4 or CCK3/4	GH20	0.125-0.750"	0.750"	2.952"	1.890"
NBT30-C1-75G	KM1 or CCK1	GH25	0.125-1.000"	1.000"	2.952"	2.165"
NBT30-C1.1/4-100G	KM1.1/4 or CCK1.1/4	GH32S	0.187-1.250"	1.250"	3.937"	2.517"

Note: "N" denotes Taper Plus dual face contact.



Taper Plus - BT40 High Speed

Part Number	Collet Series	High-Speed Spanner Wrench	Clamping Range	d	L	D
NBT40-C3/4-70G	KM3/4 or CCK3/4	GH20	0.125-0.750"	0.750"	2.755"	1.889"
NBT40-C1-70G	KM1 or CCK1	GH25	0.125-1.000"	1.000"	2.755"	2.165"
NBT40-C1-90G	KM1 or CCK1	GH25	0.125-1.000"	1.000"	3.543"	2.165"
NBT40-C1.1/4-85G	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	3.346"	2.716"
NBT40-C1.1/4-120G	KM1.1/4 or CCK1.1/4	GH32	0.187-1.250"	1.250"	4.724"	2.716"

Note: "N" denotes Taper Plus dual face contact.



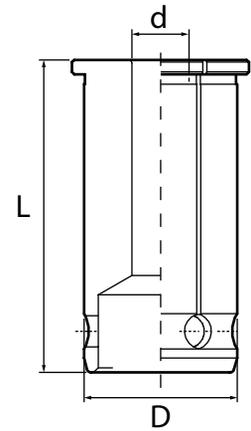


KM Collets

Milling chuck collets are designed to ensure uniform fit around the cutting tool shank. This provides maximum gripping power as well as concentric positioning of the cutting tool.

Collet Series	L	D	d = Collet Range
KM3/4	2.087"	0.750"	1/8" - 5/8"
KM1	2.323"	1.000"	1/8" - 7/8"
KM1.1/4	2.539"	1.250"	3/16" - 1"
KM32mm	2.539"	1.259"	3/16" - 1"
KM2	3.268"	2.000"	1" - 1.1/2"

Note: KM Collets only collapse .001". For optimal performance, please use on-size cutting tools.



Collet Series	Inch		Metric	
	Size	Part Number	Size	Part Number
3/4"	1/8"	KM3/4-1/8	6mm	KM3/4-6
	3/16"	KM3/4-3/16	7mm	KM3/4-7
	1/4"	KM3/4-1/4	8mm	KM3/4-8
	5/16"	KM3/4-5/16	10mm	KM3/4-10
	3/8"	KM3/4-3/8	12mm	KM3/4-12
	7/16"	KM3/4-7/16	14mm	KM3/4-14
	1/2"	KM3/4-1/2	16mm	KM3/4-16
	9/16"	KM3/4-9/16	-	-
	5/8"	KM3/4-5/8	-	-
1"	1/8"	KM1-1/8	6mm	KM1-6
	3/16"	KM1-3/16	8mm	KM1-8
	1/4"	KM1-1/4	10mm	KM1-10
	5/16"	KM1-5/16	12mm	KM1-12
	3/8"	KM1-3/8	14mm	KM1-14
	7/16"	KM1-7/16	16mm	KM1-16
	1/2"	KM1-1/2	18mm	KM1-18
	5/8"	KM1-5/8	20mm	KM1-20
	3/4"	KM1-3/4	-	-
1.1/4"	3/16"	KM1.1/4-3/16	6mm	KM1.1/4-6
	1/4"	KM1.1/4-1/4	8mm	KM1.1/4-8
	5/16"	KM1.1/4-5/16	10mm	KM1.1/4-10
	3/8"	KM1.1/4-3/8	12mm	KM1.1/4-12
	7/16"	KM1.1/4-7/16	14mm	KM1.1/4-14
	1/2"	KM1.1/4-1/2	16mm	KM1.1/4-16
	9/16"	KM1.1/4-9/16	20mm	KM1.1/4-20
	5/8"	KM1.1/4-5/8	25mm	KM1.1/4-25
	3/4"	KM1.1/4-3/4	-	-
	7/8"	KM1.1/4-7/8	-	-
	1"	KM1.1/4-1	-	-

Collet Series	Inch		Metric	
	Size	Part Number	Size	Part Number
32mm	3/16"	KM32-3/16	6mm	KM32-6
	1/4"	KM32-1/4	8mm	KM32-8
	5/16"	KM32-5/16	10mm	KM32-10
	3/8"	KM32-3/8	12mm	KM32-12
	7/16"	KM32-7/16	14mm	KM32-14
	1/2"	KM32-1/2	16mm	KM32-16
	9/16"	KM32-9/16	20mm	KM32-20
	5/8"	KM32-5/8	25mm	KM32-25
	3/4"	KM32-3/4	26mm	KM32-26
	7/8"	KM32-7/8	-	-
2"	1"	KM2-1	-	-
	1-1/4"	KM2-1-1/4	-	-
	1-1/2"	KM2-1-1/2	-	-

KM Collet Set

Part Number	Description
KM3/4-SET-09	9 piece set 1/8" - 5/8"
KM3/4-SET-07-MM	7 piece set 6mm - 16mm
KM1-SET-10	10 piece set 1/8" - 7/8"
KM1-SET-08-MM	8 piece set 6mm - 20mm
KM1.1/4-SET-11	11 piece set 3/16" - 1"
KM1.1/4-SET-08-MM	8 piece set 6mm - 25mm
KM32-SET-11	11 piece set 3/16" - 1"
KM32-SET-09-MM	9 piece set 6mm - 26mm



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Spanner Wrench
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Back-Up Screw
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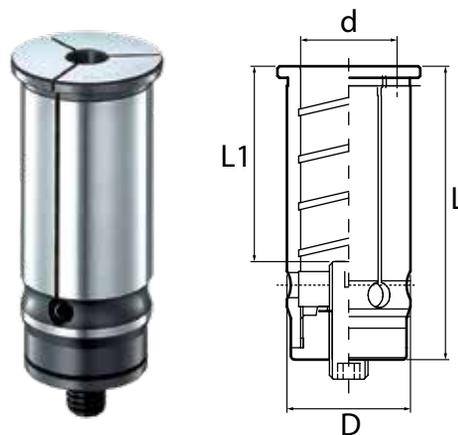
Coolant-Thru & Slotted Nuts
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NK Collets - Depth Adjustable



Collet Series	D	L	L1	d = Collet Range
NK3/4	0.984"	2.480"	1.968" max. depth	1/8" - 5/8"
NK1	1.142"	2.677"	2.165" max. depth	1/8" - 7/8"
NK1.1/4	1.457"	2.964"	2.401" max. depth	3/16" - 1"
NK32mm	1.457"	2.964"	2.401" max. depth	3/16" - 1"
NK2	2.283"	3.673"	3.110" max. depth	1" - 1.1/2"

Note: Cutter length adjustment on the collet is possible from front and back.



Collet Series	Inch		Metric	
	Size	Part Number	Size	Part Number
3/4"	1/8"	NK3/4-1/8	6mm	NK3/4-6
	3/16"	NK3/4-3/16	7mm	NK3/4-7
	1/4"	NK3/4-1/4	8mm	NK3/4-8
	5/16"	NK3/4-5/16	10mm	NK3/4-10
	3/8"	NK3/4-3/8	12mm	NK3/4-12
	7/16"	NK3/4-7/16	14mm	NK3/4-14
	1/2"	NK3/4-1/2	16mm	NK3/4-16
	9/16"	NK3/4-9/16	-	-
1"	5/8"	NK3/4-5/8	-	-
	1/8"	NK1-1/8	6mm	NK1-6
	3/16"	NK1-3/16	8mm	NK1-8
	1/4"	NK1-1/4	10mm	NK1-10
	5/16"	NK1-5/16	12mm	NK1-12
	3/8"	NK1-3/8	14mm	NK1-14
	7/16"	NK1-7/16	16mm	NK1-16
	1/2"	NK1-1/2	18mm	NK1-18
	5/8"	NK1-5/8	20mm	NK1-20
	3/4"	NK1-3/4	-	-
1.1/4"	7/8"	NK1-7/8	-	-
	3/16"	NK1.1/4-3/16	6mm	NK1.1/4-6
	1/4"	NK1.1/4-1/4	8mm	NK1.1/4-8
	5/16"	NK1.1/4-5/16	10mm	NK1.1/4-10
	3/8"	NK1.1/4-3/8	12mm	NK1.1/4-12
	7/16"	NK1.1/4-7/16	14mm	NK1.1/4-14
	1/2"	NK1.1/4-1/2	16mm	NK1.1/4-16
	9/16"	NK1.1/4-9/16	20mm	NK1.1/4-20
	5/8"	NK1.1/4-5/8	25mm	NK1.1/4-25
	3/4"	NK1.1/4-3/4	-	-
	7/8"	NK1.1/4-7/8	-	-
1"	NK1.1/4-1	-	-	

Collet Series	Inch		Metric	
	Size	Part Number	Size	Part Number
32mm	3/16"	NK32-3/16	6mm	NK32-6
	1/4"	NK32-1/4	8mm	NK32-8
	5/16"	NK32-5/16	10mm	NK32-10
	3/8"	NK32-3/8	12mm	NK32-12
	7/16"	NK32-7/16	14mm	NK32-14
	1/2"	NK32-1/2	16mm	NK32-16
	9/16"	NK32-9/16	20mm	NK32-20
	5/8"	NK32-5/8	25mm	NK32-25
	3/4"	NK32-3/4	26mm	NK32-26
	7/8"	NK32-7/8	-	-
	1"	NK32-1	-	-
	1"	NK2-1	-	-
2"	1-1/4"	NK2-1-1/4	-	-
	1-1/2"	NK2-1-1/2	-	-

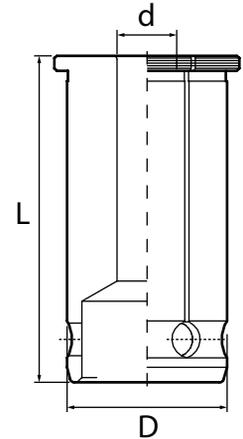




CCK Coolant Collet System

Collet Series	L	D	d = Collet Range
3/4"	2.086"	0.984"	1/8" - 5/8"
1"	2.320"	1.142"	1/8" - 7/8"
1.1/4"	2.539"	1.457"	3/16" - 1"
32mm	2.539"	1.457"	3/16" - 1"
2"	3.268"	2.283"	1" - 1.1/2"

Note: CCK Collets do not collapse.



Collet Series	Size	Coolant Collet	Coolant-Thru Nut	Slotted Nut	Disc Wrench
3/4"	1/8"	CCK3/4-1/8	CKFN20(3/4)-1/8C	CKFN20(3/4)-1/8	CCKL20
	3/16"	CCK3/4-3/16	CKFN20(3/4)-3/16C	CKFN20(3/4)-3/16	
	1/4"	CCK3/4-1/4	CKFN20(3/4)-1/4C	CKFN20(3/4)-1/4	
	5/16"	CCK3/4-5/16	CKFN20(3/4)-5/16C	CKFN20(3/4)-5/16	
	3/8"	CCK3/4-3/8	CKFN20(3/4)-3/8C	CKFN20(3/4)-3/8	
	7/16"	CCK3/4-7/16	CKFN20(3/4)-7/16C	CKFN20(3/4)-7/16	
	1/2"	CCK3/4-1/2	CKFN20(3/4)-1/2C	CKFN20(3/4)-1/2	
	9/16"	CCK3/4-9/16	CKFN20(3/4)-9/16C	CKFN20(3/4)-9/16	
	5/8"	CCK3/4-5/8	CKFN20(3/4)-5/8C	CKFN20(3/4)-5/8	
	6mm	CCK3/4-6	CKFN20(3/4)-6C	CKFN20(3/4)-6	
	7mm	CCK3/4-7	CKFN20(3/4)-7C	CKFN20(3/4)-7	
	8mm	CCK3/4-8	CKFN20(3/4)-8C	CKFN20(3/4)-8	
	10mm	CCK3/4-10	CKFN20(3/4)-10C	CKFN20(3/4)-10	
	12mm	CCK3/4-12	CKFN20(3/4)-12C	CKFN20(3/4)-12	
	14mm	CCK3/4-14	CKFN20(3/4)-14C	CKFN20(3/4)-14	
	16mm	CCK3/4-16	CKFN20(3/4)-16C	CKFN20(3/4)-16	
1"	1/8"	CCK1-1/8	CKFN25(1)-1/8C	CKFN25(1)-1/8	CCKL25
	3/16"	CCK1-3/16	CKFN25(1)-3/16C	CKFN25(1)-3/16	
	1/4"	CCK1-1/4	CKFN25(1)-1/4C	CKFN25(1)-1/4	
	5/16"	CCK1-5/16	CKFN25(1)-5/16C	CKFN25(1)-5/16	
	3/8"	CCK1-3/8	CKFN25(1)-3/8C	CKFN25(1)-3/8	
	7/16"	CCK1-7/16	CKFN25(1)-7/16C	CKFN25(1)-7/16	
	1/2"	CCK1-1/2	CKFN25(1)-1/2C	CKFN25(1)-1/2	
	5/8"	CCK1-5/8	CKFN25(1)-5/8C	CKFN25(1)-5/8	
	3/4"	CCK1-3/4	CKFN25(1)-3/4C	CKFN25(1)-3/4	
	7/8"	CCK1-7/8	CKFN25(1)-7/8C	CKFN25(1)-7/8	
	6mm	CCK1-6	CKFN25(1)-6C	CKFN25(1)-6	
	8mm	CCK1-8	CKFN25(1)-8C	CKFN25(1)-8	
	10mm	CCK1-10	CKFN25(1)-10C	CKFN25(1)-10	
	12mm	CCK1-12	CKFN25(1)-12C	CKFN25(1)-12	
	14mm	CCK1-14	CKFN25(1)-14C	CKFN25(1)-14	
	16mm	CCK1-16	CKFN25(1)-16C	CKFN25(1)-16	
18mm	CCK1-18	CKFN25(1)-18C	CKFN25(1)-18		
20mm	CCK1-20	CKFN25(1)-20C	CKFN25(1)-20		

CCK Coolant Collet System (cont.)



Collet Series	Size	Coolant Collet	Coolant-Thru Nut	Slotted Nut	Disc Wrench
1.1/4"	3/16"	CCK1.1/4-3/16	CKFN32(1.1/4)-3/16C	CKFN32(1.1/4)-3/16	CCKL32
	1/4"	CCK1.1/4-1/4	CKFN32(1.1/4)-1/4C	CKFN32(1.1/4)-1/4	
	5/16"	CCK1.1/4-5/16	CKFN32(1.1/4)-5/16C	CKFN32(1.1/4)-5/16	
	3/8"	CCK1.1/4-3/8	CKFN32(1.1/4)-3/8C	CKFN32(1.1/4)-3/8	
	7/16"	CCK1.1/4-7/16	CKFN32(1.1/4)-7/16C	CKFN32(1.1/4)-7/16	
	1/2"	CCK1.1/4-1/2	CKFN32(1.1/4)-1/2C	CKFN32(1.1/4)-1/2	
	9/16"	CCK1.1/4-9/16	CKFN32(1.1/4)-9/16C	CKFN32(1.1/4)-9/16	
	5/8"	CCK1.1/4-5/8	CKFN32(1.1/4)-5/8C	CKFN32(1.1/4)-5/8	
	3/4"	CCK1.1/4-3/4	CKFN32(1.1/4)-3/4C	CKFN32(1.1/4)-3/4	
	7/8"	CCK1.1/4-7/8	CKFN32(1.1/4)-7/8C	CKFN32(1.1/4)-7/8	
	1"	CCK1.1/4-1	CKFN32(1.1/4)-1C	CKFN32(1.1/4)-1	
	6mm	CCK1.1/4-6	CKFN32(1.1/4)-6C	CKFN32(1.1/4)-6	
	8mm	CCK1.1/4-8	CKFN32(1.1/4)-8C	CKFN32(1.1/4)-8	
	10mm	CCK1.1/4-10	CKFN32(1.1/4)-10C	CKFN32(1.1/4)-10	
	12mm	CCK1.1/4-12	CKFN32(1.1/4)-12C	CKFN32(1.1/4)-12	
	14mm	CCK1.1/4-14	CKFN32(1.1/4)-14C	CKFN32(1.1/4)-14	
	16mm	CCK1.1/4-16	CKFN32(1.1/4)-16C	CKFN32(1.1/4)-16	
20mm	CCK1.1/4-20	CKFN32(1.1/4)-20C	CKFN32(1.1/4)-20		
25mm	CCK1.1/4-25	CKFN32(1.1/4)-25C	CKFN32(1.1/4)-25		
2"	1"	CCK2-1	CKFN50(2)-1C	CKFN50(2)-1	CCKL50
	1-1/4"	CCK2-1.1/4	CKFN50(2)-1.1/4C	CKFN50(2)-1.1/4	
	1-1/2"	CCK2-1.1/2	CKFN50(2)-1.1/2C	CKFN50(2)-1.1/2	
32mm	3/16"	CCK32-3/16	CKFN32(1.1/4)-3/16C	CKFN32(1.1/4)-3/16	CCKL32
	1/4"	CCK32-1/4	CKFN32(1.1/4)-1/4C	CKFN32(1.1/4)-1/4	
	5/16"	CCK32-5/16	CKFN32(1.1/4)-5/16C	CKFN32(1.1/4)-5/16	
	3/8"	CCK32-3/8	CKFN32(1.1/4)-3/8C	CKFN32(1.1/4)-3/8	
	7/16"	CCK32-7/16	CKFN32(1.1/4)-7/16C	CKFN32(1.1/4)-7/16	
	1/2"	CCK32-1/2	CKFN32(1.1/4)-1/2C	CKFN32(1.1/4)-1/2	
	9/16"	CCK32-9/16	CKFN32(1.1/4)-9/16C	CKFN32(1.1/4)-9/16	
	5/8"	CCK32-5/8	CKFN32(1.1/4)-5/8C	CKFN32(1.1/4)-5/8	
	3/4"	CCK32-3/4	CKFN32(1.1/4)-3/4C	CKFN32(1.1/4)-3/4	
	7/8"	CCK32-7/8	CKFN32(1.1/4)-7/8C	CKFN32(1.1/4)-7/8	
	1"	CCK32-1	CKFN32(1.1/4)-1C	CKFN32(1.1/4)-1	
	6mm	CCK32-6	CKFN32(1.1/4)-6C	CKFN32(1.1/4)-6	
	8mm	CCK32-8	CKFN32(1.1/4)-8C	CKFN32(1.1/4)-8	
	10mm	CCK32-10	CKFN32(1.1/4)-10C	CKFN32(1.1/4)-10	
	12mm	CCK32-12	CKFN32(1.1/4)-12C	CKFN32(1.1/4)-12	
	14mm	CCK32-14	CKFN32(1.1/4)-14C	CKFN32(1.1/4)-14	
	16mm	CCK32-16	CKFN32(1.1/4)-16C	CKFN32(1.1/4)-16	
20mm	CCK32-20	CKFN32(1.1/4)-20C	CKFN32(1.1/4)-20		
25mm	CCK32-25	CKFN32(1.1/4)-25C	CKFN32(1.1/4)-25		

Milling Chuck Accessories



Wrench

Standard Style Part Number	High Speed Style Part Number	Use With
9HC22	GH20	3/4" Milling Chuck
9HC25	GH25	1" Milling Chuck
9HC32	GH32 GH32S	1.1/4" and 32mm Milling Chuck - OD = 68mm 1.1/4" and 32mm Milling Chuck - OD = 62-64mm
9HC50	-	2" Milling Chuck



Standard Wrench



High-Speed Wrench

Back-Up Screw

Standard Style Part Number	Coolant-Thru Style Part Number	Use With
750TL-3	750TL-3(C)	3/4" Milling Chuck
1000TL-3	1000TL-3(C)	1" Milling Chuck
1250TL-2	1250TL-2(C)	1.1/4" Milling Chuck with ID depth of 77mm or less
1250TL-3	1250TL-3(C)	1.1/4" Milling Chuck with ID depth of 105mm or more

Note: All back-up screws are 1000 PSI capable.



Coolant Tube for HSK Holders

Part Number	Description
HSK63-TUBE	Coolant Tube for HSK63 Holders
HSK100-TUBE	Coolant Tube for HSK100 Holders



Coolant Tube Wrench for HSK Holders

Coolant tube wrenches are needed to remove or install coolant tubes in HSK toolholders.

Part Number	Description
HSK63-WRENCH	Wrench for HSK63 Coolant Tube
HSK100-WRENCH	Wrench for HSK100 Coolant Tube

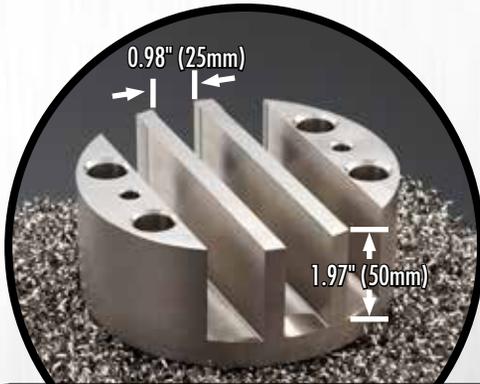


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