

INSIDER™ COLLET CHUCKS

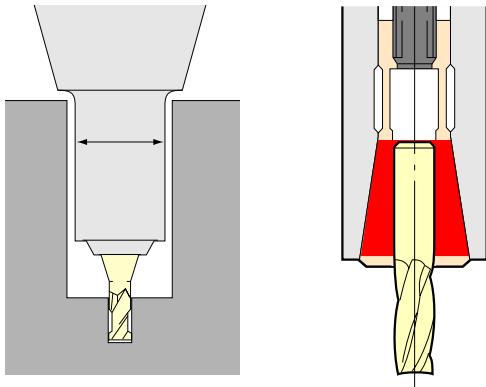
BULL'S-EYE™ CHUCK

LSK™ COLLET CHUCK

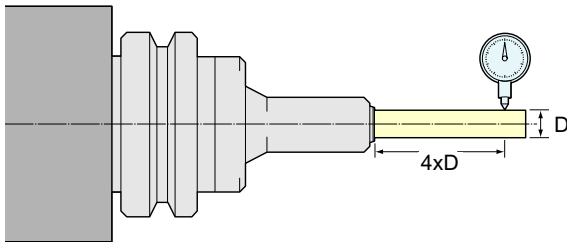
INSIDER™ COLLET CHUCK

ULTRA LOCK™ MILLING

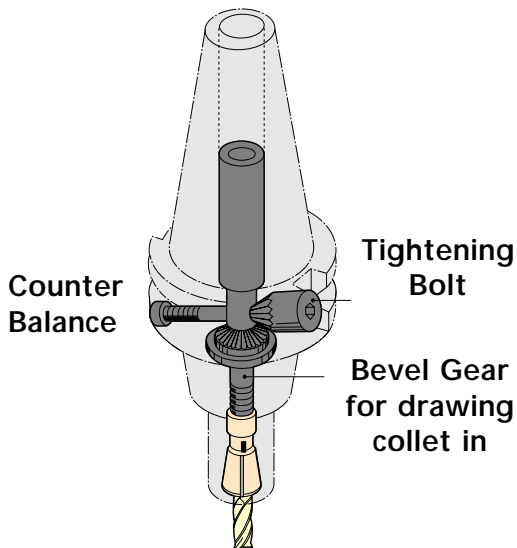




Slim and compact nose with strong gripping



Excellent run-out accuracy ($3\mu\text{m}$ at $4xD$)



Accuracy in Small-Diameter Cutting

The Insider™ Collet Chucks features a slim and compact body for precision machining with small diameter tools (up to 1/2"). The Insider™ has an easy-to-use draw-in collet clamping system, and is an ideal toolholder for your high speed machining needs.

Insider™ Collet Chuck Sizes:

- IMK04: 1-4mm (0.039-0.157") capacity
- IMK08: 2-8mm (0.078-0.314") capacity
- IMK12: 4-12mm (0.157-0.472") capacity

Features:

- Accuracy: run-out accuracy is less than $3\mu\text{m}$ at 4 times the diameter of the cutting tool.
- Shank Requirements: cutting tools with a shank tolerance of H6 or better are required.
- Balancing: high-precision pre-balancing is performed as standard to ensure reliability at high speeds.
- Slim Nose: no collet nut is required! The slim nose diameter allows the Insider™ Chuck to access hard-to-reach spots.
- Draw-In Clamping: the Insider's use of a draw-in collet clamping system results in strong, high-precision gripping. A tightening wrench is supplied with each Insider™ Collet Chuck.

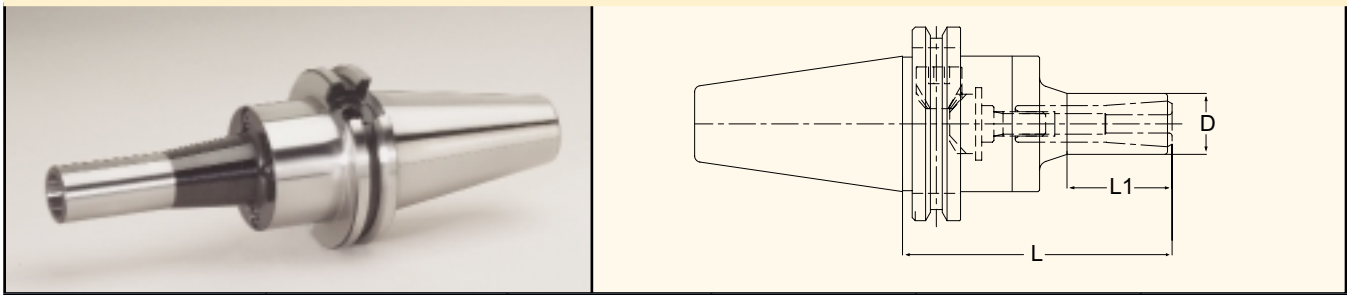
Tightening Torque:

15 to 18 ft.-lbs. for all three sizes.

Coolant Capacity:

- Coolant-Thru the Tool: maximum 1,000 PSI when utilizing IMK Coolant Thru Collets (see page 21)
- Coolant Along the Tool: maximum 1,000 PSI when utilizing Slotted Collets (see page 21)

CT TAPER INSIDER™ COLLET CHUCKS



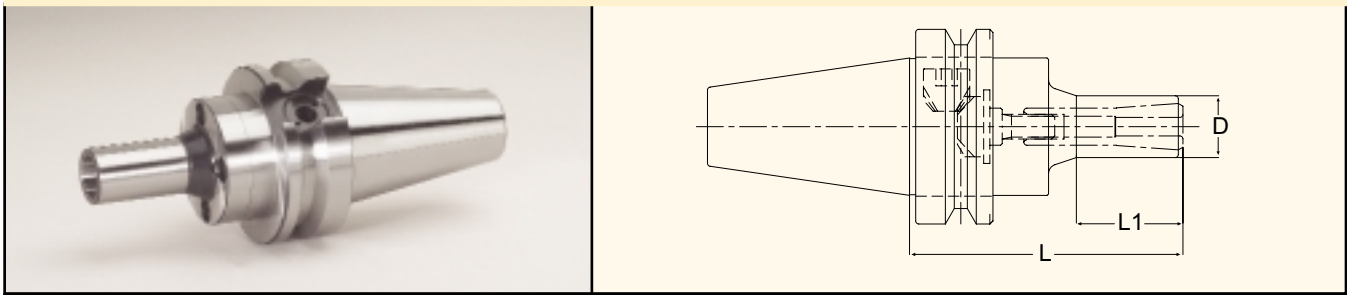
Part Number	Taper	Collet Series	L	L1	D
C4007-IMC04	CT40	IMK04	3.543"	1.181"	0.591"
C4007-IMC08	CT40	IMK08	3.543"	1.417"	0.787"
C4017-IMC08	CT40	IMK08	4.724"	1.693"	0.787"
C4007-IMC12	CT40	IMK12	3.543"	1.378"	1.181"
C4017-IMC12	CT40	IMK12	4.724"	2.362"	1.181"
C5007-IMC04	CT50	IMK04	4.134"	1.181"	0.591"
C5007-IMC08	CT50	IMK08	4.134"	1.417"	0.787"
C5017-IMC08	CT50	IMK08	5.315"	1.693"	0.787"
C5027-IMC08	CT50	IMK08	6.496"	1.693"	0.787"
C5007-IMC12	CT50	IMK12	4.134"	1.378"	1.181"
C5017-IMC12	CT50	IMK12	5.315"	2.362"	1.181"
C5027-IMC12	CT50	IMK12	6.496"	2.756"	1.181"

Note: Balanceable Insider™ Collet Chucks are available upon request.

COLLET RANGE

Collet Series	Range
IMK04	1-4mm (0.039-0.157")
IMK08	2-8mm (0.078-0.314")
IMK12	4-12mm (0.157-0.472")

BT TAPER INSIDER™ COLLET CHUCKS



Part Number	Taper	Collet Series	L	L1	D
B3007-IMC04	BT30	IMK04	4.134"	1.181"	0.591"
B3007-IMC08	BT30	IMK08	4.134"	1.417"	0.787"
B3007-IMC12	BT30	IMK12	4.134"	1.378"	01.181"
B4007-IMC04	BT40	IMK04	3.543"	1.181"	0.591"
B4007-IMC08	BT40	IMK08	3.543"	1.417"	0.787"
B4017-IMC08	BT40	IMK08	4.724"	1.693"	0.787"
B4007-IMC12	BT40	IMK12	3.543"	1.378"	01.181"
B4017-IMC12	BT40	IMK12	4.724"	2.362"	01.181"
B5007-IMC04	BT50	IMK04	4.134"	1.181"	0.591"
B5007-IMC08	BT50	IMK08	4.134"	1.417"	0.787"
B5017-IMC08	BT50	IMK08	5.315"	1.693"	0.787"
B5027-IMC08	BT50	IMK08	6.496"	1.693"	0.787"
B5007-IMC12	BT50	IMK12	4.134"	1.378"	01.181"
B5017-IMC12	BT50	IMK12	5.315"	2.362"	01.181"
B5027-IMC12	BT50	IMK12	6.496"	2.756"	01.181"

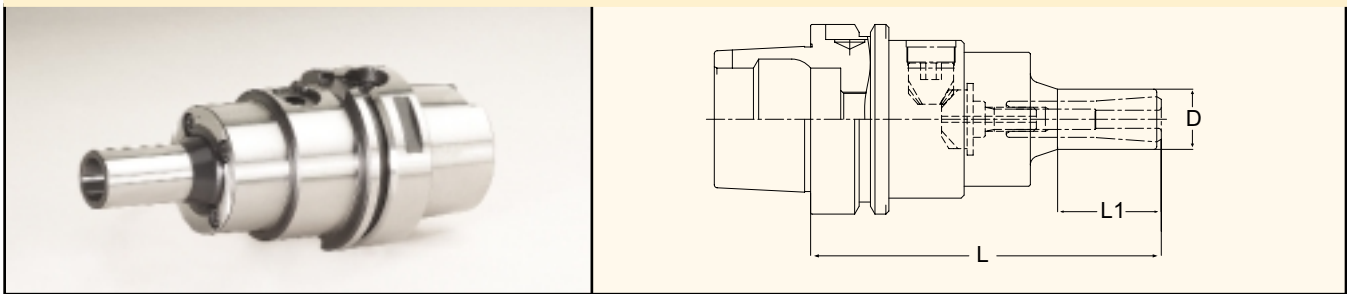
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COLLET RANGE

Collet Series	Range
IMK04	1-4mm (0.039-0.157")
IMK08	2-8mm (0.078-0.314")
IMK12	4-12mm (0.157-0.472")



HSK TAPER INSIDER™ COLLET CHUCKS



Part Number	Taper	Collet Series	L	L1	D
HSK63A-IMC08-115	HSK63A	IMK08	4.528"	1.299"	0.787"
HSK63A-IMC12-117	HSK63A	IMK12	4.606"	1.378"	1.181"
HSK100A-IMC08-130	HSK100A	IMK08	5.118"	1.299"	0.787"
HSK100A-IMC12-130	HSK100A	IMK12	5.118"	1.417"	1.181"

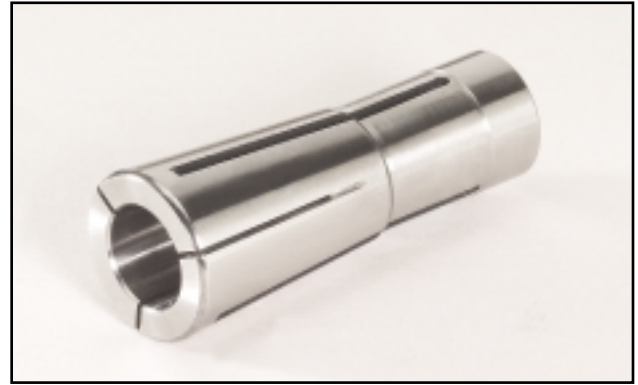
Note: Balanceable Insider™ Collet Chucks are available upon request.

COLLET RANGE

Collet Series	Range
IMK04	1-4mm (0.039-0.157")
IMK08	2-8mm (0.078-0.314")
IMK12	4-12mm (0.157-0.472")

IMK04 COLLETS

Part Number	Size
IMK04-004	1/16"
IMK04-006	3/32"
IMK04-1	1mm
IMK04-1.5	1.5mm
IMK04-2	2mm
IMK04-2.5	2.5mm
IMK04-3	3mm
IMK04-3.5	3.5mm
IMK04-4	4mm



IMK08 COOLANT COLLETS

Part Number	Size
IMK08-008(C)	1/8"
IMK08-012(C)	3/16"
IMK08-016(C)	1/4"
IMK08-020(C)	5/16"
IMK08-024(C)	3/8"
IMK08-2(C)	2mm
IMK08-3(C)	3mm
IMK08-4(C)	4mm
IMK08-5(C)	5mm
IMK08-6(C)	6mm
IMK08-8(C)	8mm

IMK08 SLOTTED COLLETS

Part Number	Size
IMK08-008(S)	1/8"
IMK08-012(S)	3/16"
IMK08-016(S)	1/4"
IMK08-020(S)	5/16"
IMK08-024(S)	3/8"
IMK08-2(S)	2mm
IMK08-3(S)	3mm
IMK08-4(S)	4mm
IMK08-5(S)	5mm
IMK08-6(S)	6mm
IMK08-8(S)	8mm

IMK12 COOLANT COLLETS

Part Number	Size
IMK12-012(C)	3/16"
IMK12-020(C)	5/16"
IMK12-024(C)	3/8"
IMK12-028(C)	7/16"
IMK12-032(C)	1/2"
IMK12-4(C)	4mm
IMK12-5(C)	5mm
IMK12-6(C)	6mm
IMK12-8(C)	8mm
IMK12-10(C)	10mm
IMK12-12(C)	12mm

IMK12 SLOTTED COLLETS

Part Number	Size
IMK12-012(S)	3/16"
IMK12-020(S)	5/16"
IMK12-024(S)	3/8"
IMK12-028(S)	7/16"
IMK12-032(S)	1/2"
IMK12-4(S)	4mm
IMK12-5(S)	5mm
IMK12-6(S)	6mm
IMK12-8(S)	8mm
IMK12-10(S)	10mm
IMK12-12(S)	12mm