

ROBOMILL

TOOLING & ACCESSORIES



COMPLETE METALWORKING SOLUTIONS
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ISO Certified customerservice@ahbinc.com

FULL OFFERING FOR:

FANUC ROBODRILL, HAAS DRILLTAP,
DMG MORI MILLTAP & BROTHER SPEEDIO
VERTICAL MACHINING CENTERS

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- ▶ Command toolholders are designed for accuracy, with AT3 or better shank taper and a rigid toolholder-to-spindle mount. Our toolholders are concentric to <0.0002 (0.005mm or 5 microns) which puts the tool precisely on the spindle centerline. These benefits promote minimal tool wear, fewer tool replacements, and less scrap. With fully ground flanges and V-grooves, Command toolholders are easy on tool changers to help prevent constant spindle and changer maintenance.

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- ▶ Visit Command Tooling Systems' on line catalog for Command standard product part file downloads, up-to-date stock levels and our list price instant quoting feature. Command's printed catalogs and fliers are also available for download from the Command Tooling Systems website.

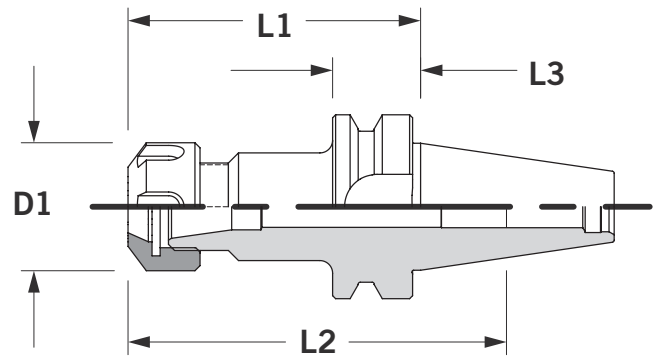
WWW.COMMANDTOOL.COM

Command Tooling Systems is the technology leader in toolholder manufacturing for high precision machining operations. Command manufactures standard, precision, and special application tooling systems to service the needs of the manufacturing community.

Command Tooling Systems' core product lines are now organized into four distinct product classes to define the diverse product range offered by Command Tooling Systems. This catalog contains Command standard product (C Class). Visit our website for more information on the product classes, information downloads, and distributors in your area.


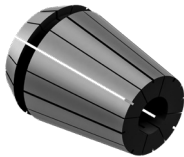


ER Micro Precision® BT30

- ▶ ER Micro Precision® collet chucks have AT3 or better shank taper allowing accurate, rigid toolholder-to-spindle mount. A wide range of collets are available: 0.020" - 0.787" (0.5 - 20 mm), reducing collet and toolholder inventories. All ER Micro Precision® collet chuck tapers, lengths, and straight shank extensions are in stock and ready to ship.



Collet Chuck	Part Number	Size	D1	L1	L2	L3	Wrench	Stop Screw
	B2C4-0011	ER11	0.63"	3.00"	0.87"	-	XCCW-D011	-
	B2C4-0016	ER16	1.26"	3.00"	0.87"	-	XCCW-D016	XCCS-0720
	B2C4-0020	ER20	1.38"	3.00"	0.87"	3.85"	XCCW-D020	XCCS-1415
	B2C4-0025	ER25	1.65"	3.00"	0.87"	3.72"	XCCW-D025	XCCS-1815
	B2C4-0032	ER32	1.97"	3.00"	0.87"	3.50"	XCCW-D032	XCCS-2215

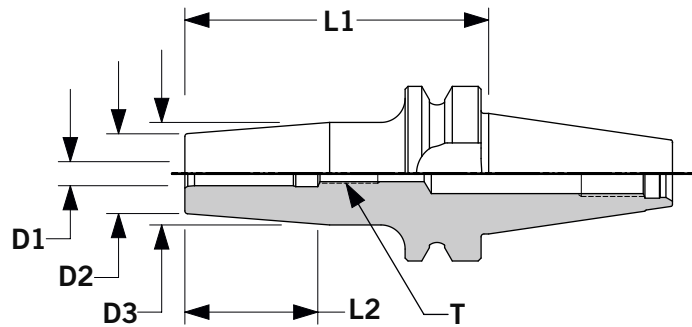
Collet Chuck Accessories

			
Collet Nuts	ER Collets	Collet Nut Wrenches	Stop Screws
Standard & Classic Size	Inch & Metric Sizes	Double-Ended Wrench	Non Coolant & Coolant Through

Contact support@commandtool.com for more information.

ThermoLock® BT30

- ▶ ThermoLock® toolholders offer excellent clamping ability by operating on the principle of thermal induced expansion and contraction. The holder is heated, expanding the nose I.D., to accept a cutting tool. When cooled, the nose I.D. shrinks resulting in incredible gripping power over the full length of the holder/cutting tool interface.

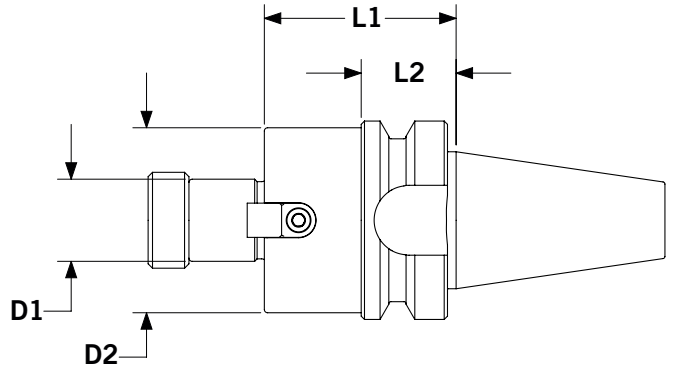


Thermolock® - Inch	Part Number	D1	D2	D3	L1	L2	T
	B2N3-0250	0.250"	0.83 "	1.06"	3.15"	1.38"	M5 X 0.8
	B2N3-0375	0.375"	0.95"	1.26"	3.15"	1.58"	M8 X 1
	B2N3-0500	0.500"	0.95"	1.26"	3.15"	1.77"	M10 X 1
	B2N3-0625	0.625"	1.06"	1.34"	3.15"	1.77"	M12 X 1

Thermolock® - Metric	Part Number	D1	D2	D3	L1	L2	T
	B2N3-0006	6mm	21mm	27mm	80mm	35mm	M5 X 0.8
	B2N3-0010	10mm	24mm	32mm	80mm	40mm	M8 X 1
	B2N3-0012	12mm	24mm	32mm	80mm	40mm	M8 X 1
	B2N3-0016	16mm	27mm	34mm	80mm	45mm	M12 X 1

Shell Mill BT30

- ▶ Shell Mill holders pilot diameter is sized for precision fit with cutter. Removable/replaceable drive keys included; fine thread locking screw included. All sizes are ready to ship, get your tools fast!

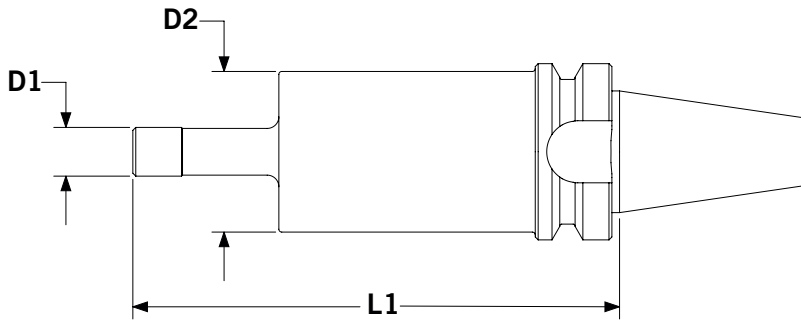


Shell Mill - Inch	Part Number	D1	D2	L1	L2	Drive Key	Lock Screw
	B2S4-0750	0.75"	1.69"	1.75"	0.87"	XSDK-0750	XSAS-0750
	B2S4-1000	1.00"	2.19"	2.00"	0.87"	XSDK-1000	XSAS-1000

Shell Mill - Metric	Part Number	D1	D2	L1	L2	Drive Key	Lock Screw
	B2S4-0016	16mm	38mm	35mm	22mm	XSTK-M016	XSAS-0750
	B2S4-0022	22mm	48mm	40mm	22mm	XSTK-M022	XSAS-1000

Calibration Adaptor Kit BT30

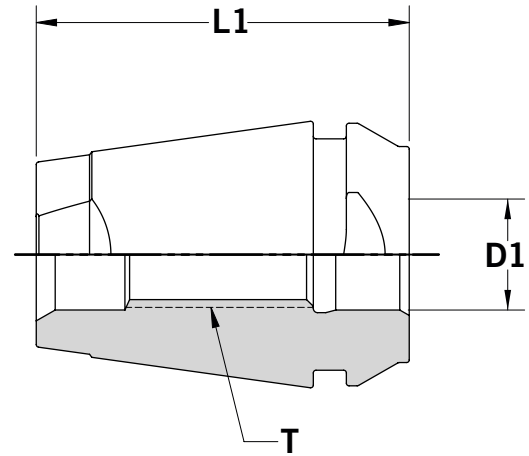
- ▶ The Calibration Adaptor Kit comes with a precision ground 0.500" diameter calibrator and a 1.000" master ring gage for all of your calibration needs. Retention knobs / pull studs are sold separately.



Calibration Adaptor Kit	Part Number	D1	D2	L1	Ring Gage
	B2A4-0500	0.500"	1.65"	5.00"	QAM-10145

Screw-on Solid ER Collets

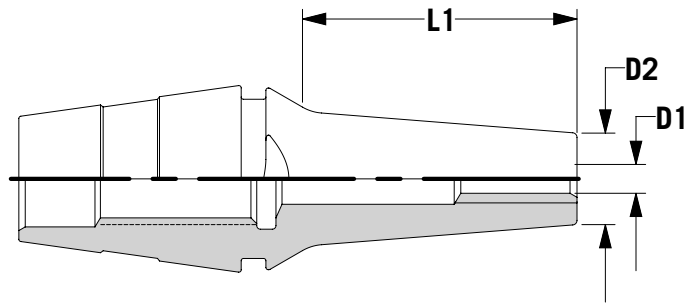
- ▶ Screw-on solid ER Collets have threaded bores for all of your threaded cutting tools. Available sizes: ER25 & ER32



ER25 Solid Collet - Metric	Part Number	Size	D1	L1	T
	ER25ST0801	ER25	8.5mm	35mm	M8X1.25 Threads
	ER25ST1001	ER25	10.5mm	35mm	M10X1.50 Threads
	ER25ST1201	ER25	12.5mm	35mm	M12X1.75 Threads
ER32 Solid Collet - Metric	Part Number	Size	D1	L1	T
	ER32ST0801	ER32	8.5mm	41mm	M8X1.25 Threads
	ER32ST1001	ER32	10.5mm	41mm	M10X1.50 Threads
	ER32ST1201	ER32	12.5mm	41mm	M12X1.75 Threads
	ER32ST1601	ER32	17mm	41mm	M16X2.00 Threads

Thermolock® Solid ER Collets

- ▶ ThermoLock® collets offer excellent clamping ability by operating on the principle of thermal induced expansion and contraction. The nose is heated, expanding the nose I.D., to accept a cutting tool. When cooled, the nose I.D. shrinks resulting in incredible gripping power over the full length of the holder/cutting tool interface. Available sizes: ER20, ER25 & ER32

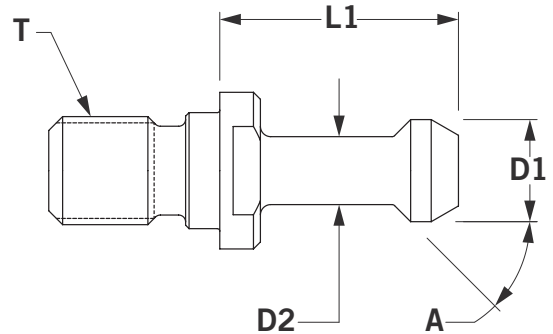


ER20 Collet Shrink - Inch	Part Number	Size	D1	D2	L1
	ER20SF300125	ER20	0.125"	0.787"	1.181"
ER25 Collet Shrink - Inch	Part Number	Size	D1	D2	L1
	ER25SF350125	ER25	0.125"	0.984"	1.378"
	ER25SF350250	ER25	0.250"	0.984"	1.378"
ER32 Collet Shrink - Inch	Part Number	Size	D1	D2	L1
	ER32SF400125	ER32	0.125"	1.260"	1.575"
	ER32SF400250	ER32	0.250"	1.260"	1.575"
	ER32SF400375	ER32	0.375"	1.260"	1.575"

ER20 Collet Shrink - Metric	Part Number	Size	D1	D2	L1
	ER20SF300003	ER20	3mm	10mm	30mm
ER25 Collet Shrink - Metric	Part Number	Size	D1	D2	L1
	ER25SF350003	ER25	3mm	10mm	35mm
	ER25SF350006	ER25	6mm	14mm	35mm
ER32 Collet Shrink - Metric	Part Number	Size	D1	D2	L1
	ER32SF400003	ER32	3mm	10mm	40mm
	ER32SF400006	ER32	6mm	14mm	40mm
	ER32SF400010	ER32	10mm	16mm	40mm

Retention Knobs

- ▶ Command retention knobs are available for all popular domestic and imported machining centers. Knobs are made of the finest quality steel, specifically treated to give an excellent wear surface over a tough shock resistant core.

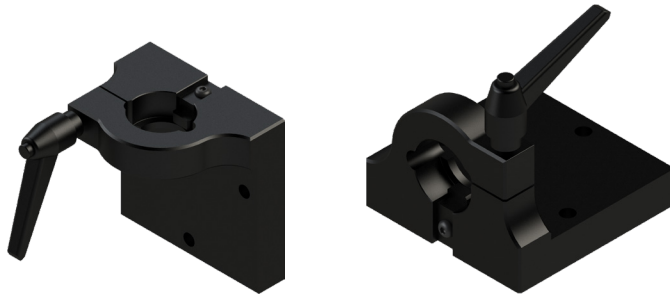


BT30 MAS TYPE 1	Part Number	Taper	D1	D2	L1	A	T	Thru Coolant
	RB2M-0001	BT30	0.43	0.27	0.90	45	M12X1.75	No
	RB2M-0001-C	BT30	0.43	0.27	0.90	45	M12X1.75	Yes
BT30 MAS TYPE 2	Part Number	Taper	D1	D2	L1	A	T	Thru Coolant
	RB2M-0002	BT30	0.43	0.27	0.90	60	M12X1.75	No
	RB2M-0002-C	BT30	0.43	0.27	0.90	60	M12X1.75	Yes

- + Fanuc Robodrive, Haas Drilltap and DMG MORI Milltap machines use type 1 retention knobs
- + Brother Speedio machines use type 2 retention knobs
- + At end of part number "C" designates coolant hole

Setup Holding Fixtures


- ▶ Setup holding fixtures have precision machined internal bores that cradle flanges precisely. Vertical or horizontal mount fixtures have an open design for easy access to retention knobs, removable keylock for keyed or unkeyed use, and high torque split clamp with ratchet handle, mar-free grip. Bottom mount setup holding fixtures are extra long to accommodate leaving retention knobs in place, and are available in all tapers that fit both BT and CT flanges.




Setup holding fixture mounts either vertically or horizontally

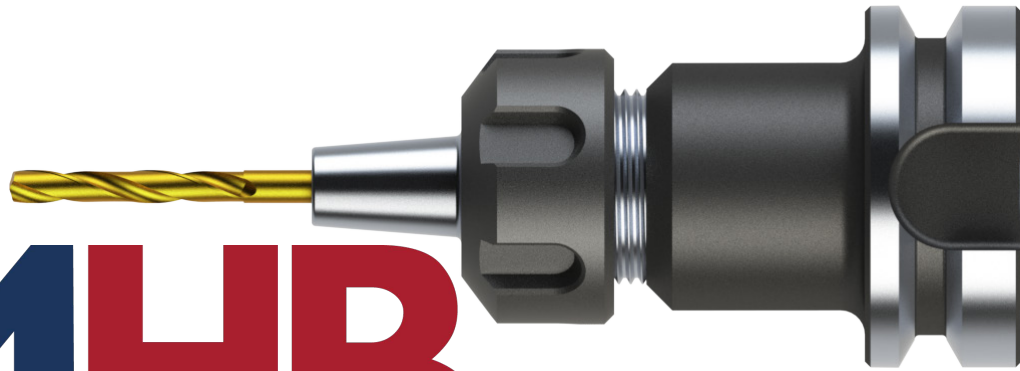


Bottom mount fixture drilled for two 3/8" diameter hold down socket head cap screws.

Vertical or Horizontal Mount BT Taper	Part Number	Taper	Key	Replacement Key
	XFGF-00B2	BT30	0.625	XFGF-K0B2

Bottom Mount	Part Number	Taper	Hex	OAL	Key	Replacement Key
	XHDF-0002	30	3.0	3.41	0.625	XHDF-K004

Replacement Parts	Part Number	Description
	XFGF-H000	Replacement handle for vertical or horizontal mount setup holding fixtures



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