

Precision End Mill Holders

Double your tool life or better with our high-precision end mill holders.

Manufactured to H5 Bore Tolerance

Techniks end mill holders are the most accurate on the market for improved T.I.R. and extended tool life. (see diagram below)

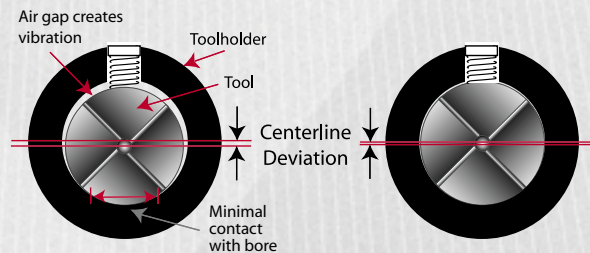


Three Coolant Style Holders Available

CoolBLAST coolant ports (shown) blast coolant on tool path. CoolFLEX holders are factory set for coolant thru tool or remove 2 setscrews for DIN B coolant thru flange.

Others T.I.R. .0008"

Techniks .0002"



*You lose 10% of tool life for every .0001" of T.I.R.
Techniks end mill holders are manufactured to an
H5 bore tolerance to extend cutting tool life.*

**We don't sell tools.
We sell tool life.**

I guarantee your satisfaction with every Techniks product.

John A. Stagge
PRESIDENT

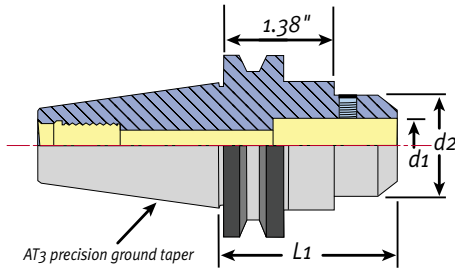
High Precision End Mill Holders

CAT 40 Stubby and Standard Length End Mill Holders

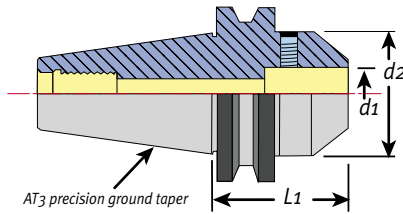


Standard length

Techniques Certified for bore and taper tolerances



Stubby



Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life
- Taper ground to AT₃ for maximum spindle contact

CAT 40 Standard Length End Mill Holders Inch Size

Part No.	Description	d1	L1	d2
22907	CAT 40 x 1/8" I.D. - 2.37"	1/8"	2.37"	.69"
22909	CAT 40 x 3/16" I.D. - 2.5"	3/16"	2.5"	.69"
22911	CAT 40 x 1/4" I.D. - 3"	1/4"	3"	.78"
22911-2.5	CAT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22913	CAT 40 x 5/16" I.D. - 3"	5/16"	3"	.88"
22913-2.5	CAT 40 x 5/16" I.D. - 2.5"	5/16"	2.5"	.88"
22915	CAT 40 x 3/8" I.D. - 3"	3/8"	3"	1.0"
22915-2.5	CAT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22916	CAT 40 x 7/16" I.D. - 2.5"	7/16"	2.5"	1.13"
22917	CAT 40 x 1/2" I.D. - 3"	1/2"	3"	1.25"
22917-2.5	CAT 40 x 1/2" I.D. - 2.5"	1/2"	2.5"	1.25"
22917-2.63	CAT 40 x 1/2" I.D. - 2.63"	1/2"	2.63"	1.25"
22919	CAT 40 x 5/8" I.D. - 3"	5/8"	3"	1.5"
22920	CAT 40 x 5/8" I.D. - 3.75"	5/8"	3.75"	1.5"
22921	CAT 40 x 3/4" I.D. - 3.5"	3/4"	3.5"	1.75"
22921-3	CAT 40 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22923	CAT 40 x 7/8" I.D. - 3.5"	7/8"	3.5"	1.88"
22925-3	CAT 40 x 1.0" I.D. - 3"	1.0"	3"	2"
22925	CAT 40 x 1.0" I.D. - 4"	1.0"	4"	2"
22927	CAT 40 x 1.25" I.D. - 4.6"	1.25"	4.6"	2.5"
22927-4	CAT 40 x 1.25" I.D. - 4"	1.25"	4"	2.5"
22929	CAT 40 x 1.5" I.D. - 4.5"	1.5"	4.5"	2.5"

CAT 40 Stubby Length End Mill Holders

Part No.	Description	d1	L1	d2
22907-1.75	CAT 40 x 1/8" I.D. - 1.75"	1/8"	1.75"	.75"
22909-1.75	CAT 40 x 3/16" I.D. - 1.75"	3/16"	1.75"	.79"
22911-1.75	CAT 40 x 1/4" I.D. - 1.75"	1/4"	1.75"	.79"
22913-1.75	CAT 40 x 5/16" I.D. - 1.75"	5/16"	1.75"	.88"
22915-1.75	CAT 40 x 3/8" I.D. - 1.75"	3/8"	1.75"	.88"
22916-1.75	CAT 40 x 7/16" I.D. - 1.75"	7/16"	1.75"	1.12"
22917-1.75	CAT 40 x 1/2" I.D. - 1.75"	1/2"	1.75"	1.50"
22919-1.75	CAT 40 x 5/8" I.D. - 1.75"	5/8"	1.75"	1.50"
22921-1.75	CAT 40 x 3/4" I.D. - 1.75"	3/4"	1.75"	1.75"
22925A-1.75	CAT 40 x 1.0" I.D. - 1.75"	1.0"	1.75"	2"
22927A-2	CAT 40 x 1-1/4" I.D. - 2"	1-1/4"	2"	2.5"

CAT 40 Standard Length End Mill Holders Metric Size

Part No.	Description	d1	L1	d2
22963	CAT 40 x 6mm I.D. - 2.5"	6mm	2.5"	25mm
22965	CAT 40 x 8mm I.D. - 2.5"	8mm	2.5"	28mm
22967	CAT 40 x 10mm I.D. - 2.5"	10mm	2.5"	35mm
22969	CAT 40 x 12mm I.D. - 2.5"	12mm	2.5"	42mm
22971	CAT 40 x 16mm I.D. - 2.5"	16mm	2.5"	48mm
22973	CAT 40 x 20mm I.D. - 3"	20mm	3"	52mm
22975	CAT 40 x 25mm I.D. - 4"	25mm	4"	65mm
22977	CAT 40 x 32mm I.D. - 4"	32mm	4"	72mm

CAT 40 Extended and Rigid Reach End Mill Holders



Extended length

Techniks Certified for bore and taper tolerances

Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life
- Taper ground to AT₃ for maximum spindle contact

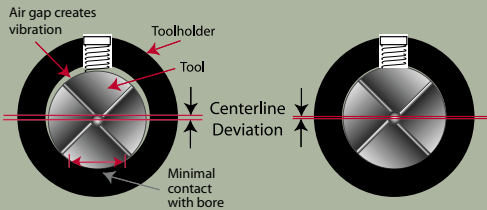


Rigid Reach

Our Rigid Reach endmill holders are great for machining in tight areas at extended length where tolerance is important. The tapered design improves rigidity and overall cutting performance.

Techniks H5 Bore Tolerance Extends Tool Life 60%

You lose 10% of cutting tool life for every .0001" of T.I.R.



Others T.I.R. .0008"

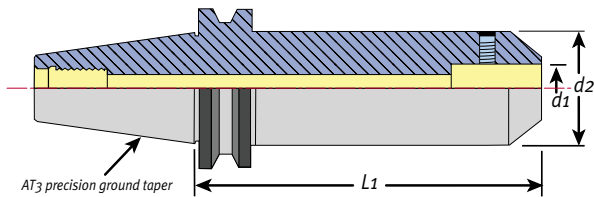
TECHNIKS .0002"



Retention Knobs pg. 161

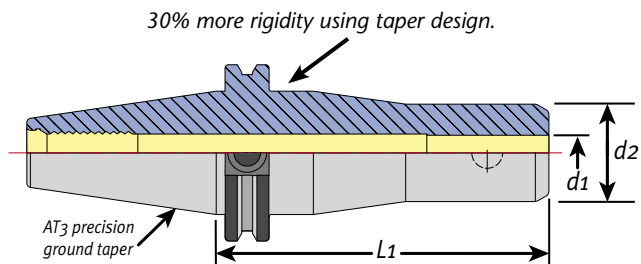


Lock Screws pg. 74



CAT 40 Extended Length End Mill Holders

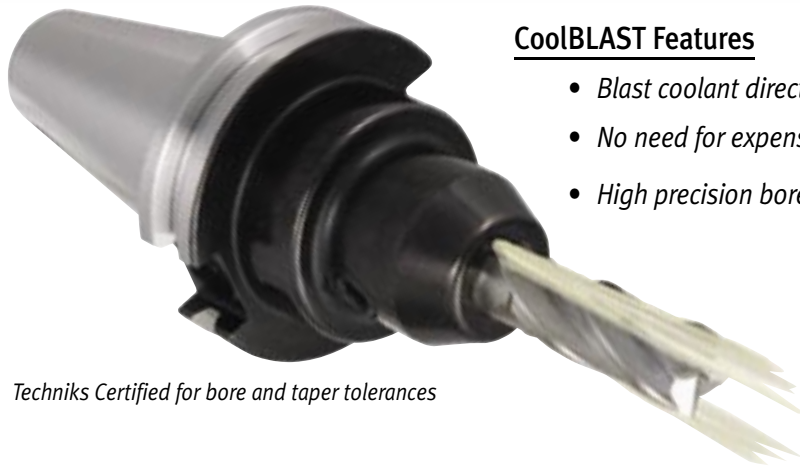
Part No.	Description	d1	L1	d2
22907-6	CAT 40 x 1/8" I.D. - 6"	1/8"	6"	.69"
22909-6	CAT 40 x 3/16" I.D. - 6"	3/16"	6"	.69"
22911-6	CAT 40 x 1/4" I.D. - 6"	1/4"	6"	.78"
22915-5	CAT 40 x 3/8" I.D. - 5"	3/8"	5"	1.0"
22917-4.63	CAT 40 x 1/2" I.D. - 4.63"	1/2"	4.63"	1.25"
22920-5.75	CAT 40 x 5/8" I.D. - 5.75"	5/8"	5.75"	1.5"
22921-5	CAT 40 x 3/4" I.D. - 5"	3/4"	5"	1.75"
22925-6	CAT 40 x 1.0" I.D. - 6"	1.0"	6"	2"
22927-6	CAT 40 x 1-1/4" I.D. - 6"	1-1/4"	6"	2.5"



CAT 40 Rigid Reach End Mill Holders

Part No.	Description	d1	L1	d2
22907-5.00-RR	CAT 40 x 1/8" I.D. - 5"	1/8"	5"	.78"
22909-4.72-RR	CAT 40 x 3/16" I.D. - 4.72"	3/16"	4.72"	.78"
22911-4.72-RR	CAT 40 x 1/4" I.D. - 4.72"	1/4"	4.72"	.78"
22913-4.72-RR	CAT 40 x 5/16" I.D. - 4.72"	5/16"	4.72"	.86"
22915-4.72-RR	CAT 40 x 3/8" I.D. - 4.72"	3/8"	4.72"	1.0"
22917-4.72-RR	CAT 40 x 1/2" I.D. - 4.72"	1/2"	4.72"	1.38"

CAT 40 Coolant Style Precision End Mill Holders

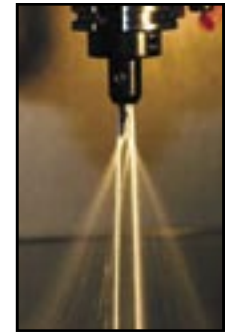


Techniks Certified for bore and taper tolerances

CoolBLAST Features

- Blast coolant directly on tool path
- No need for expensive coolant-thru tools
- High precision bore (H5) is best in industry

CoolBLAST in-the-bore coolant ports blast coolant on the tool path, even at high RPMs.

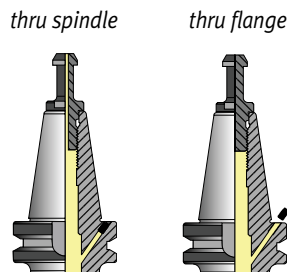


CoolFLEX Features

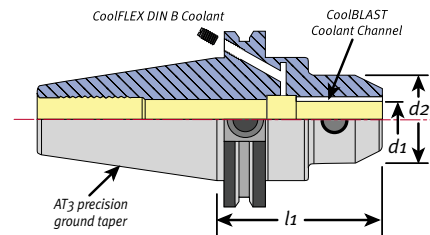
- Coolant-thru spindle or thru flange (DIN B)

CoolFLEX holders are factory set for coolant-thru spindle.

Remove 2 setscrews for DIN B coolant thru flange



CoolBLAST with CoolFLEX



CAT 40 CoolFLEX End Mill Holders

Part No.	Description	d1	l1	d2
22911F	CAT 40 x 1/4" I.D. - 3"	1/4"	3"	.78"
22911-2.5F	CAT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22913-2.5F	CAT 40 x 5/16" I.D. - 2.5"	5/16"	2.5"	.88"
22915-2.5F	CAT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22915F	CAT 40 x 3/8" I.D. - 3"	3/8"	3"	1.0"
22917F	CAT 40 x 1/2" I.D. - 3"	1/2"	3"	1.25"
22919-1.75F	CAT 40 x 5/8" I.D. - 1.75"	5/8"	1.75"	1.5"
22919F	CAT 40 x 5/8" I.D. - 3"	5/8"	3"	1.5"
22921-1.75F	CAT 40 x 3/4" I.D. - 1.75"	3/4"	1.75"	1.75"
22921-3F	CAT 40 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22925-1.75F	CAT 40 x 1.0" I.D. - 1.75"	1.0"	1.75"	2"
22925F	CAT 40 x 1.0" I.D. - 4"	1.0"	4"	2"
22927F	CAT 40 x 1-1/4" I.D. - 4.6"	1-1/4"	4.6"	2.5"
22929F	CAT 40 x 1-1/2" I.D. - 4.5"	1-1/2"	4.5"	2.5"

Replacement CoolFLEX Screws

Part No.	Description
HSA-4-6	40 taper DIN B screw

CAT 40 CoolBLAST End Mill Holders

Part No.	Description	d1	l1	d2
22911-2.5B	CAT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22915-2.5B	CAT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22915-4B	CAT 40 x 3/8" I.D. - 4"	3/8"	4"	1.0"
22917-2.5B	CAT 40 x 1/2" I.D. - 2.5"	1/2"	2.5"	1.25"
22917-4B	CAT 40 x 1/2" I.D. - 4"	1/2"	4"	1.25"
22919B	CAT 40 x 5/8" I.D. - 3"	5/8"	3"	1.5"
22919-4B	CAT 40 x 5/8" I.D. - 4"	5/8"	4"	1.5"
22921-3B	CAT 40 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22921-4B	CAT 40 x 3/4" I.D. - 4"	3/4"	4"	1.75"
22925B	CAT 40 x 1.0" I.D. - 4"	1.0"	4"	2"

CAT 40 CoolBLAST Holders with CoolFLEX

Part No.	Description	d1	l1	d2
22911-2.5FB	CAT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22911-4FB	CAT 40 x 1/4" I.D. - 4"	1/4"	4"	.78"
22915-2.5FB	CAT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22917-2.5FB	CAT 40 x 1/2" I.D. - 2.5"	1/2"	2.5"	1.25"
22919-1.75FB	CAT 40 x 5/8" I.D. - 1.75"	5/8"	1.75"	1.5"
22921-3FB	CAT 40 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22925FB	CAT 40 x 1.0" I.D. - 4"	1.0"	4"	2"

CAT 40 DualDRIVE Precision End Mill Holders

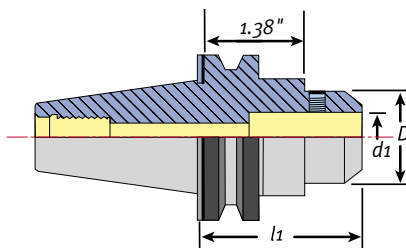


Techniks Certified for bore and taper tolerances

Benefits

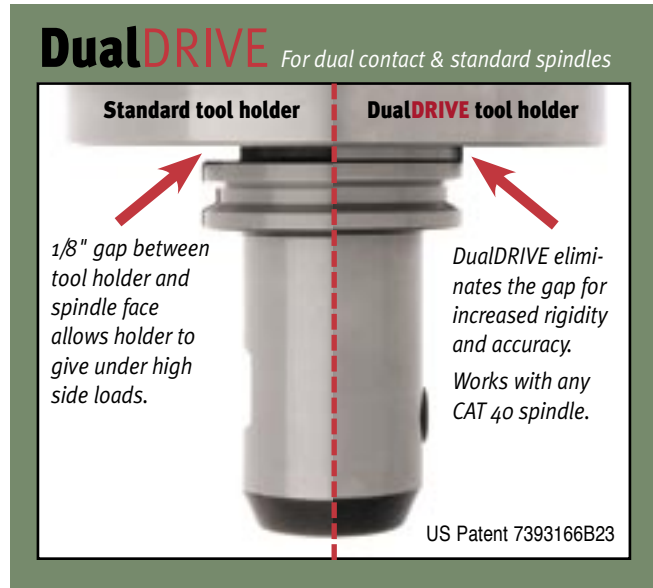
- Better rigidity and reduced vibration (chatter)
- Improved performance at high metal removal rates and when machining at extended lengths
- Provides the benefits of dual-contact machining on standard spindles too!

See an on machine demonstration video of DualDRIVE compared to standard toolholders at: www.techniksusa.com/videos2008/DD



Features

- Dual-contact machining on any CAT 40 spindle
- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life



Retention Knobs
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Lock Screws
pg. 74

CAT 40 DualDRIVE End Mill Holders

Part No.	Description d1 – l1	l1	d1	D
72917	CAT 40 x SLN 1/2" - 3" DualDRIVE toolholder	3"	1/2"	1.25"
72917-4.63	CAT 40 x SLN 1/2" - 4.63" DualDRIVE toolholder	4.63"	1/2"	1.25"
72919	CAT 40 x SLN 5/8" - 3" DualDRIVE toolholder	3"	5/8"	1.5"
72920	CAT 40 x SLN 5/8" - 3.75" DualDRIVE toolholder	3.75"	5/8"	1.5"
72920-5.75	CAT 40 x SLN 5/8" - 5.75" DualDRIVE toolholder	5.75"	5/8"	1.5"
72921	CAT 40 x SLN 3/4" - 3.5" DualDRIVE toolholder	3.5"	3/4"	1.75"
72921-5	CAT 40 x SLN 3/4" - 5" DualDRIVE toolholder	5"	3/4"	1.75"
72925	CAT 40 x SLN 1.0" - 4" DualDRIVE toolholder	4"	1.0"	2"
72925-6	CAT 40 x SLN 1.0" - 6" DualDRIVE toolholder	6"	1.0"	2"
72927	CAT 40 x SLN 1-1/4" - 4.6" DualDRIVE toolholder	4.6"	1-1/4"	2.5"
72927-4	CAT 40 x SLN 1-1/4" - 4" DualDRIVE toolholder	4"	1-1/4"	2.5"
72927-6	CAT 40 x SLN 1-1/4" - 6" DualDRIVE toolholder	6"	1-1/4"	2.5"
72929	CAT 40 x SLN 1-1/2" - 4 1/2" DualDRIVE toolholder	4.5"	1-1/2"	2.5"



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CAT 50 Stubby and Standard Length End Mill Holders

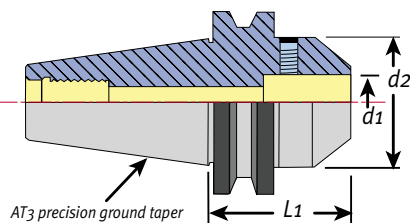


Standard

Techniks Certified for bore and taper tolerances

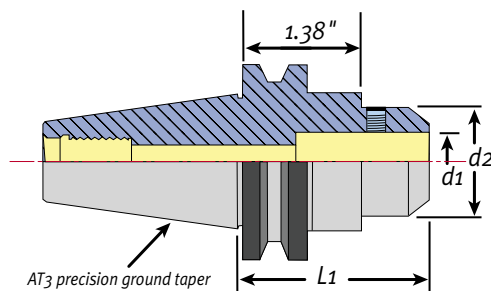


Stubby



Features

- High precision bore (H_5) is best in industry
- Balanced to 10,000 RPM
- Taper ground to AT_3 for maximum spindle contact



CAT 50 Standard Length End Mill Holders Inch Size

Part No.	Description	d1	L1	d2
22931	CAT 50 x 1/4" I.D. - 4"	1/4"	4"	.78"
22933	CAT 50 x 5/16" I.D. - 4"	5/16"	4"	.88"
22935	CAT 50 x 3/8" I.D. - 4"	3/8"	4"	1.0"
22937	CAT 50 x 1/2" I.D. - 4"	1/2"	4"	1.25"
22939-3	CAT 50 x 5/8" I.D. - 3"	5/8"	3"	1.5"
22939	CAT 50 x 5/8" I.D. - 4"	5/8"	4"	1.5"
22941-3	CAT 50 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22941	CAT 50 x 3/4" I.D. - 4"	3/4"	4"	1.75"
22943	CAT 50 x 7/8" I.D. - 4"	7/8"	4"	1.88"
22943-6	CAT 50 x 7/8" I.D. - 6"	7/8"	6"	1.88"
22945	CAT 50 x 1.0" I.D. - 4"	1.0"	4"	2"
22947	CAT 50 x 1-1/4" I.D. - 4.6"	1-1/4"	4.6"	2.5"
22949	CAT 50 x 1-1/2" I.D. - 4.6"	1-1/2"	4.6"	2.5"
22951	CAT 50 x 2" I.D. - 6"	2"	6"	3.75"

CAT 50 Stubby Length End Mill Holders

Part No.	Description	d1	L1	d2
22931-2 1/2	CAT 50 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22935-2 1/2	CAT 50 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22937-2 5/8	CAT 50 x 1/2" I.D. - 2.67"	1/2"	2.67"	1.5"
22939-1.44	CAT 50 x 5/8" I.D. - 1.44"	5/8"	1.44"	1.5"
22941-1.44	CAT 50 x 3/4" I.D. - 1.44"	3/4"	1.44"	1.75"
22945-2.62	CAT 50 x 1.0" I.D. - 2.62"	1"	2.62"	2"
22947-2.62	CAT 50 x 1-1/4" I.D. - 2.62"	1-1/4"	2.62"	2.5"
22949-2	CAT 50 x 1-1/2" I.D. - 2"	1-1/2"	2"	2.75"

Cat 50 Standard Length End Mill Holders Metric Size

Part No.	Description	d1	L1	d2
22981	CAT 50 x 6mm I.D. - 4"	6mm	4"	25mm
22983	CAT 50 x 8mm I.D. - 4"	8mm	4"	28mm
22985	CAT 50 x 10mm I.D. - 4"	10mm	4"	35mm
22987	CAT 50 x 12mm I.D. - 4"	12mm	4"	42mm
22989	CAT 50 x 16mm I.D. - 4"	16mm	4"	48mm
22990	CAT 50 x 20mm I.D. - 3"	20mm	3"	52mm
22993	CAT 50 x 25mm I.D. - 4"	25mm	4"	65mm
22996	CAT 50 x 32mm I.D. - 4.6"	32mm	4.6"	72mm

CAT 50 Extended and Rigid Reach End Mill Holders



Extended length

Techniks Certified for bore and taper tolerances

Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to extend spindle life
- Taper ground to AT3 for maximum spindle contact

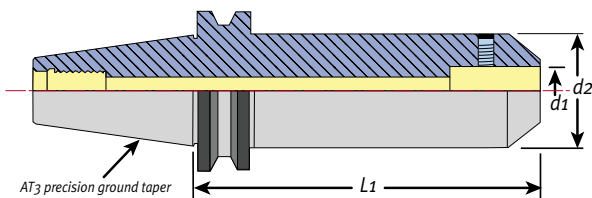
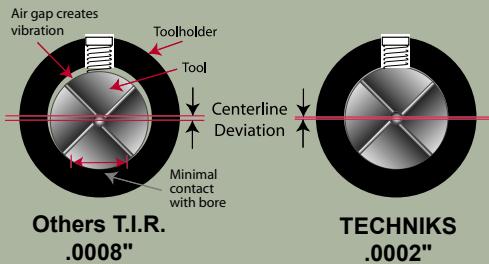


Rigid Reach

Our Rigid Reach endmill holders are great for machining in tight areas at extended length where tolerance is important. The tapered design improves rigidity and overall cutting performance.

Techniks H5 Bore Tolerance Extends Tool Life 60%

You lose 10% of cutting tool life for every .0001" of T.I.R.

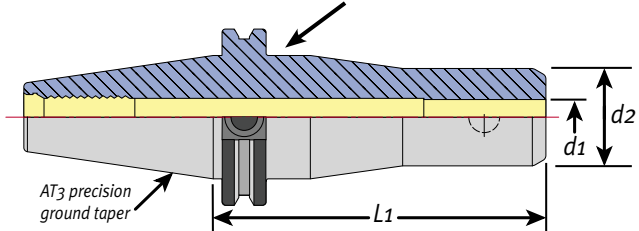


Retention Knobs
pg. 161



Lock Screws
pg. 74

30% more rigidity using taper design.



CAT 50 Extended Length End Mill Holders

Part No.	Description	d1	L1	d2
22935-6	CAT 50 x 3/8" I.D. - 6"	3/8"	6"	1.0"
22936-8	CAT 50 x 3/8" I.D. - 8"	3/8"	8"	1.0"
22937-6	CAT 50 x 1/2" I.D. - 6"	1/2"	6"	1.25"
22937-8	CAT 50 x 1/2" I.D. - 8"	1/2"	8"	1.25"
22939-6	CAT 50 x 5/8" I.D. - 6"	5/8"	6"	1.5"
22939-8	CAT 50 x 5/8" I.D. - 8"	5/8"	8"	1.5"
22941-5.75	CAT 50 x 3/4" I.D. - 5.75"	3/4"	5.75"	1.75"
22941-6	CAT 50 x 3/4" I.D. - 6"	3/4"	6"	1.75"
22941-8	CAT 50 x 3/4" I.D. - 8"	3/4"	8"	1.75"
22945-6	CAT 50 x 1.0" I.D. - 6"	1.0"	6"	2"
22946-8	CAT 50 x 1.0" I.D. - 8"	1.0"	8"	2"
22947-6	CAT 50 x 1-1/4" I.D. - 6"	1-1/4"	6"	2.5"
22947-8	CAT 50 x 1-1/4" I.D. - 8"	1-1/4"	8"	2.5"

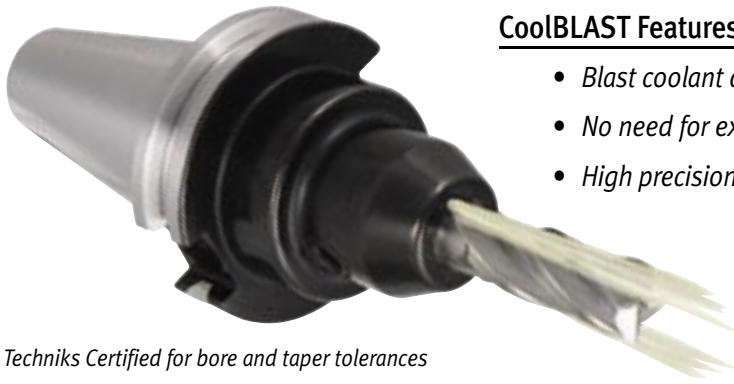
CAT 50 Rigid Reach End Mill Holders

Part No.	Description	d1	L1	d2
22931-6.5-RR	CAT 50 x 1/4" I.D. - 6.5"	1/4"	6.5"	.78"
22935-6.5-RR	CAT 50 x 3/8" I.D. - 6.5"	3/8"	6.5"	1.0"
22937-6.5-RR	CAT 50 x 1/2" I.D. - 6.5"	1/2"	6.5"	1.38"
22939-7.25-RR	CAT 50 x 5/8" I.D. - 7.25"	5/8"	7.25"	1.5"
22941-7.25-RR	CAT 50 x 3/4" I.D. - 7.25"	3/4"	7.25"	1.75"
22945-8-RR	CAT 50 x 1.0" I.D. - 8"	1.0"	8"	2"



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CAT 50 Coolant Style Precision End Mill Holders



Techniks Certified for bore and taper tolerances

CoolBLAST Features

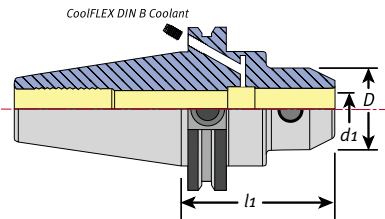
- Blast coolant directly on tool path
- No need for expensive coolant-thru tools
- High precision bore (H5) is best in industry



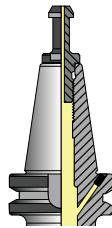
CoolBLAST in-the-bore coolant paths blast coolant on the tool path, even at high RPMs.

CoolFLEX Features

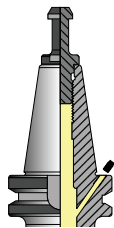
- Coolant-thru spindle or thru flange (DIN B)



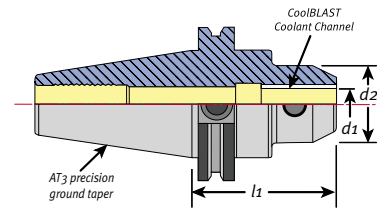
thru spindle



thru flange



CoolFLEX holders are factory set for coolant-thru spindle. Remove 2 setscrews for coolant thru flange (DIN B)



CAT 50 CoolBLAST End Mill Holders

Part No.	Description	d1	l1	d2
22931-2.5B	CAT 50 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
22931B	CAT 50 x 1/4" I.D. - 4"	1/4"	4"	.78"
22935-2.5B	CAT 50 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
22935B	CAT 50 x 3/8" I.D. - 4"	3/8"	4"	1.0"
22935-6B	CAT 50 x 3/8" I.D. - 6"	3/8"	6"	1.0"
22935-8B	CAT 50 x 3/8" I.D. - 8"	3/8"	8"	1.0"
22937-2-5/8B	CAT 50 x 1/2" I.D. - 2-5/8"	1/2"	2-5/8"	1.25"
22937B	CAT 50 x 1/2" I.D. - 4"	1/2"	4"	1.25"
22937-6B	CAT 50 x 1/2" I.D. - 6"	1/2"	6"	1.25"
22937-8B	CAT 50 x 1/2" I.D. - 8"	1/2"	8"	1.25"
22939-3B	CAT 50 x 5/8" I.D. - 3"	5/8"	3"	1.5"
22939B	CAT 50 x 5/8" I.D. - 4"	5/8"	4"	1.5"
22939-6B	CAT 50 x 5/8" I.D. - 6"	5/8"	6"	1.5"
22941-1.44B	CAT 50 x 3/4" I.D. - 1.44"	3/4"	1.44"	1.75"
22941-3B	CAT 50 x 3/4" I.D. - 3"	3/4"	3"	1.75"
22941B	CAT 50 x 3/4" I.D. - 4"	3/4"	4"	1.75"
22941-6B	CAT 50 x 3/4" I.D. - 6"	3/4"	6"	1.75"
22941-8B	CAT 50 x 3/4" I.D. - 8"	3/4"	8"	1.75"
22945B	CAT 50 x 1.0" I.D. - 4"	1.0"	4"	2"
22945-6B	CAT 50 x 1.0" I.D. - 6"	1.0"	6"	2"
22946-8B	CAT 50 x 1.0" I.D. - 8"	1.0"	8"	2"
22947B	CAT 50 x 1-1/4" I.D. - 4.6"	1-1/4"	4.6"	2.5"
22947-6B	CAT 50 x 1-1/4" I.D. - 6"	1-1/4"	6"	2.5"
22947-8B	CAT 50 x 1-1/4" I.D. - 8"	1-1/4"	8"	2.5"
22949B	CAT 50 x 1-1/2" I.D. - 4.6"	1-1/2"	4.6"	2.5"
22951B	CAT 50 x 2" I.D. - 6"	2"	6"	3.75"

CAT 50 CoolFLEX End Mill Holders

Part No.	Description	d1	l1	d2
22931F	CAT 50 x 1/4" I.D. - 4"	1/4"	4"	.78"
22935F	CAT 50 x 3/8" I.D. - 4"	1/4"	4"	1.00"
22937F	CAT 50 x 1/2" I.D. - 4"	1/2"	4"	1.25"
22937-6F	CAT 50 x 1/2" I.D. - 6"	1/2"	6"	1.25"
22937-8F	CAT 50 x 1/2" I.D. - 8"	1/2"	8"	1.25"
22941-3F	CAT 50 x 3/4" I.D. - 3"	3/4"	3"	1.75
22941F	CAT 50 x 3/4" I.D. - 4"	3/4"	4"	1.75"
22945F	CAT 50 x 1.0" I.D. - 4"	1.0"	4"	2"
22947F	CAT 50 x 1-1/4" I.D. - 4.6"	1-1/4"	4.6"	2.5"
22949F	CAT 50 x 1-1/2" I.D. - 4.6"	1-1/2"	4.6"	2.5"

Replacement CoolFLEX Screws

Part No.	Description
HSA-4-6	40 taper DIN B screw

CAT 50 DualDRIVE Precision End Mill Holders

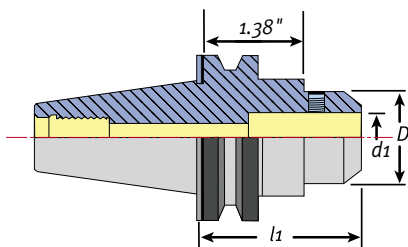


Techniks Certified for bore and taper tolerances

Benefits

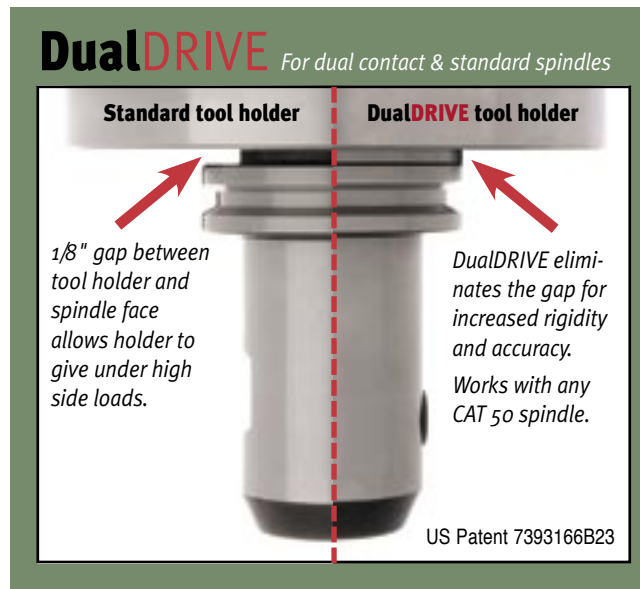
- Better rigidity and reduced vibration (chatter)
- Improved performance at high metal removal rates and when machining at extended lengths
- Provides the benefits of dual-contact machining on standard spindles too!

See an on machine demonstration video of DualDRIVE compared to standard toolholders at: www.techniksusa.com/videos2008/DD



Features

- Dual-contact machining on any CAT 50 spindle
- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life



Retention Knobs
pg. 161



Lock Screws
pg. 74

CAT 50 DualDRIVE End Mill Holders

Part No.	Description d1 – L1	l1	d1	D
72937	CAT 50 x SLN 1/2" - 4" DualDRIVE toolholder	4"	1/2"	1.25"
72937-6	CAT 50 x SLN 1/2" - 6" DualDRIVE toolholder	6"	1/2"	1.25"
72939	CAT 50 x SLN 5/8" - 4" DualDRIVE toolholder	4"	5/8"	1.5"
72941-1.44	CAT 50 x SLN 3/4" - 1.44" DualDRIVE toolholder	1.44"	3/4"	1.75"
72941-3	CAT 50 x SLN 3/4" - 3" DualDRIVE toolholder	3"	3/4"	1.75"
72941	CAT 50 x SLN 3/4" - 4" DualDRIVE toolholder	4"	3/4"	1.75"
72941-6	CAT 50 x SLN 3/4" - 6" DualDRIVE toolholder	6"	3/4"	1.75"
72945	CAT 50 x SLN 1.0" - 4" DualDRIVE toolholder	4"	1.0"	2"
72945-2.62	CAT 50 x SLN 1.0" - 2.62" DualDRIVE toolholder	2.62"	1.0"	2.484"
72945-6	CAT 50 x SLN 1.0" - 6" DualDRIVE toolholder	6"	1.0"	2.484"
72947-2.62	CAT 50 x SLN 1-1/4" - 2.62" DualDRIVE toolholder	2.62"	1-1/4"	2.75"
72947	CAT 50 x SLN 1-1/4" - 4.6" DualDRIVE toolholder	4.6"	1-1/4"	2.5"
72947-6	CAT 50 x SLN 1-1/4" - 6" DualDRIVE toolholder	6"	1-1/4"	2.75"
72949	CAT 50 x SLN 1-1/2" - 4.6" DualDRIVE toolholder	4.6"	1-1/2"	2.5"



All Techniks products are backed by our 100% satisfaction guarantee!

BT 30 DualDRIVE and Standard Precision End Mill Holders

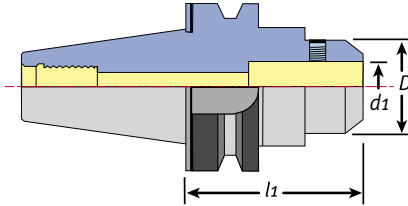


Features

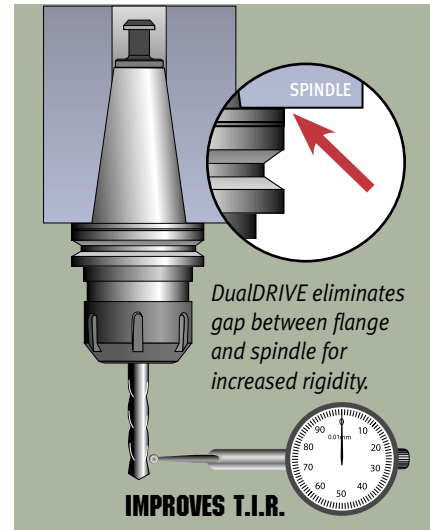
- Dual-contact machining on any BT 30 spindle
- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life

Benefits

- Better rigidity and reduced vibration
- Improved performance at high metal removal rates or extended lengths
- Dual-contact on standard spindles too!



See an on machine demonstration video of DualDRIVE compared to standard toolholders at: www.technikususa.com/videos2008/DD



BT 30 DualDRIVE End Mill Holders

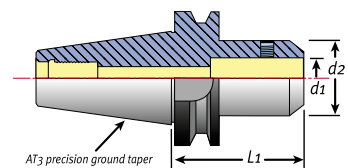
Part No.	Description d1 – l1	l1	d1	D
67130-0.125-2.5	BT 30 x SLN 1/8" - 2.5" DualDRIVE	2.5"	1/8"	.68"
67130-0.1875-2.5	BT 30 x SLN 3/16" - 2.5" DualDRIVE	2.5"	3/16"	.68"
67130-0.25-2.5	BT 30 x SLN 1/4" - 2.5" DualDRIVE	2.5"	1/4"	.78"
67130-0.375-2.5	BT 30 x SLN 3/8" - 2.5" DualDRIVE	2.5"	3/8"	1.0"
67130-0.5-2.5	BT 30 x SLN 1/2" - 2.5" DualDRIVE	2.5"	1/2"	1.25"
67130-0.625-2.5	BT 30 x SLN 5/8" - 2.5" DualDRIVE	2.5"	5/8"	1.5"
67130-0.75-3	BT 30 x SLN 3/4" - 3" DualDRIVE	3"	3/4"	1.75"



Techniks Certified for bore and taper tolerances

Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM
- Taper ground to AT3 for maximum spindle contact



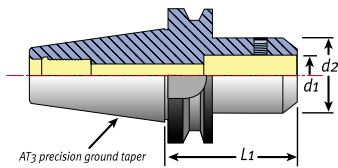
BT 30 Standard Length End Mill Holders

Part No.	Description	d1	L1	d2
07130-1/8	BT 30 x 1/8" I.D. - 2.36" standard end mill holder	1/8"	2.36"	.68"
07130-3/16	BT 30 x 3/16" I.D. - 2.36" standard end mill holder	3/16"	2.36"	.68"
07130-1/4	BT 30 x 1/4" I.D. - 2.36" standard end mill holder	1/4"	2.36"	.78"
07130-5/16	BT 30 x 5/16" I.D. - 2.36" standard end mill holder	5/16"	2.36"	.88"
07130-3/8	BT 30 x 3/8" I.D. - 2.36" standard end mill holder	3/8"	2.36"	1.0"
07130-7/16	BT 30 x 7/16" I.D. - 2.36" standard end mill holder	7/16"	2.36"	1.12"
07130-1/2	BT 30 x 1/2" I.D. - 2.36" standard end mill holder	1/2"	2.36"	1.25"
07130-5/8	BT 30 x 5/8" I.D. - 2.36" standard end mill holder	5/8"	2.36"	1.5"
07130-3/4	BT 30 x 3/4" I.D. - 2.36" standard end mill holder	3/4"	2.36"	1.75"

BT40 Standard Length Precision End Mill Holders



Techniks Certified for bore and taper tolerances

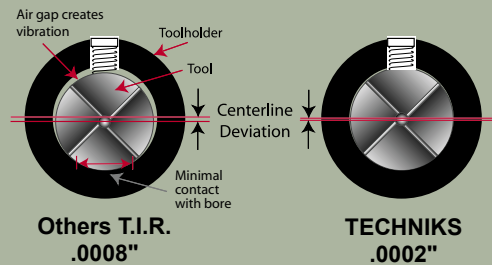


Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life
- Taper ground to AT3 for maximum spindle contact

Techniks H5 Bore Tolerance Extends Tool Life 60%

You lose 10% of cutting tool life for every .0001" of T.I.R.



BT 40 Standard End Mill Holders Inch Size

Part No.	Description	d1	L1	d2
07140-1/8	BT 40 x 1/8" I.D. - 2.5"	1/8"	2.5"	.68"
07140-3/16	BT 40 x 3/16" I.D. - 2.5"	3/16"	2.5"	.68"
07140-1/4	BT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
07140-5/16	BT 40 x 5/16" I.D. - 2.5"	5/16"	2.5"	.88"
07140-3/8	BT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
07140-7/16	BT 40 x 7/16" I.D. - 2.5"	7/16"	2.5"	1.10"
07140-1/2	BT 40 x 1/2" I.D. - 2.5"	1/2"	2.5"	1.25"
07140-5/8	BT 40 x 5/8" I.D. - 2.5"	5/8"	2.5"	1.50"
07140-3/4	BT 40 x 3/4" I.D. - 2.5"	3/4"	2.5"	1.75"
07140-1	BT 40 x 1.0" I.D. - 3.56"	1.0"	3.56"	2"
07140-1-1/4	BT 40 x 1-1/4" I.D. - 3.56"	1-1/4"	3.56"	2.5"
07140-1-1/2	BT 40 x 1-1/2" I.D. - 3.56"	1-1/2"	3.56"	2.5"

BT 40 Standard End Mill Holders Metric Size

Part No.	Description	d1	L1	d2
17131	BT 40 x 6mm I.D. - 50mm	6mm	50mm	25mm
17132	BT 40 x 8mm I.D. - 50mm	8mm	50mm	28mm
17133	BT 40 x 10mm I.D. - 63mm	10mm	63mm	35mm
17134	BT 40 x 12mm I.D. - 63mm	12mm	63mm	42mm
17135	BT 40 x 16mm I.D. - 63mm	16mm	63mm	48mm
17135-18	BT 40 x 18mm I.D. - 63mm	18mm	63mm	50mm
17136	BT 40 x 20mm I.D. - 63mm	20mm	63mm	52mm
17137	BT 40 x 25mm I.D. - 100mm	25mm	100mm	65mm
17138	BT 40 x 32mm I.D. - 100mm	32mm	100mm	72mm



See our product application videos at: www.techniksusa.com

BT 40 Extended Length and Rigid Reach End Mill Holders



Extended length

Techniks Certified for bore and taper tolerances

Techniks Certified Tooling Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to extend spindle life
- Taper ground to AT3 for maximum spindle contact

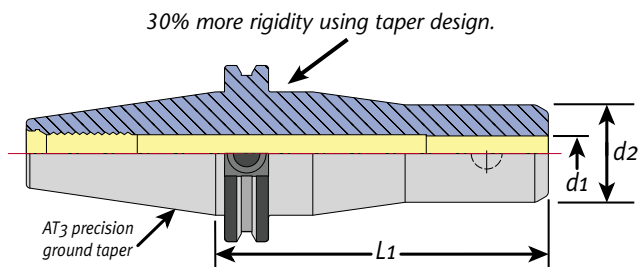
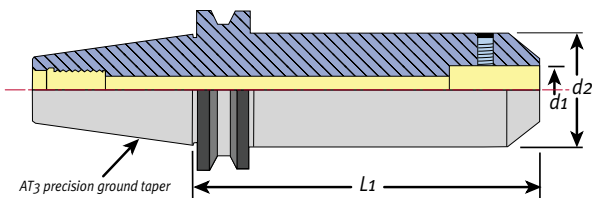
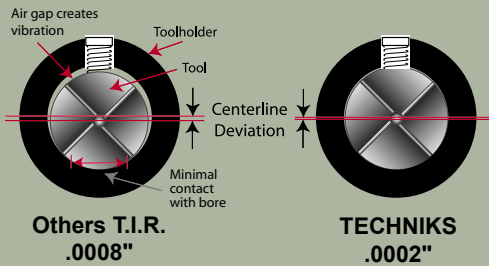


Rigid Reach

Our Rigid Reach endmill holders are great for machining in tight areas at extended length where tolerance is important. The tapered design improves rigidity and overall cutting performance.

Techniks H5 Bore Tolerance Extends Tool Life 60%

You lose 10% of cutting tool life for every .0001" of T.I.R.



BT 40 Extended Length End Mill Holders

Part No.	Description	d1	L1	d2
07140-1/8-4	BT 40 x 1/8" I.D. - 4"	1/8"	4"	.68"
07140-3/16-4	BT 40 x 3/16" I.D. - 4"	3/16"	4"	.68"
07140-1/4-4	BT 40 x 1/4" I.D. - 4"	1/4"	4"	.78"
07140-3/8-4	BT 40 x 3/8" I.D. - 4"	3/8"	4"	1.0"
07140-1/2-4	BT 40 x 1/2" I.D. - 4"	1/2"	4"	1.25"
07140-5/8-4	BT 40 x 5/8" I.D. - 4"	5/8"	4"	1.5"
07140-3/4-4	BT 40 x 3/4" I.D. - 4"	3/4"	4"	1.75"
07140-7/8-5	BT 40 x 7/8" I.D. - 5"	7/8"	5"	1.75"
07140-1-5	BT 40 x 1.0" I.D. - 5"	1.0"	5"	2"

BT 40 Rigid Reach End Mill Holders

Part No.	Description	d1	L1	d2
07140-1/8-5.0-RR	BT 40 x 1/8" I.D. - 5"	1/8"	5"	.78"
07140-3/16-4.72-RR	BT 40 x 3/16" I.D. - 4.72"	3/16"	4.72"	.78"
07140-1/4-4.72-RR	BT 40 x 1/4" I.D. - 4.72"	1/4"	4.72"	.78"
07140-3/8-4.72-RR	BT 40 x 3/8" I.D. - 4.72"	3/8"	4.72"	1.0"
07140-1/2-4.72-RR	BT 40 x 1/2" I.D. - 4.72"	1/2"	4.72"	1.38"
07140-3/4-6-RR	BT 40 x 3/4" I.D. - 6"	3/4"	6"	1.38"

BT 40 CoolFLEX Coolant-Thru Spindle or Thru Flange



Techniks Certified for bore and taper tolerances

CoolFLEX Features

- Coolant-thru spindle or thru flange (DIN B)
- Balanced to 10,000 RPM to save spindle bearing life
- High precision bore (H5) is best in industry



Retention
Knobs
pg. 161

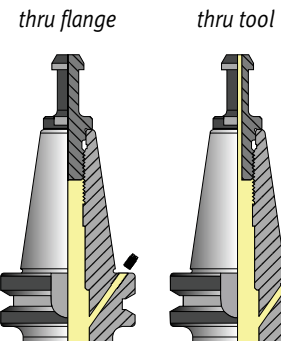
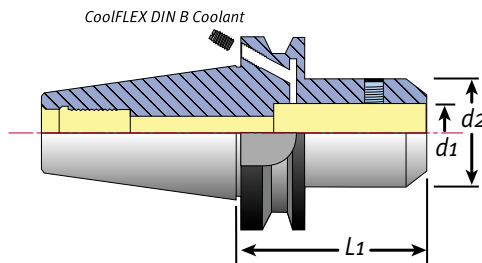


Lock Screws
pg. 74

CoolFLEX Features

- Coolant-thru spindle or thru flange (DIN B)

CoolFLEX holders are factory set for coolant-thru spindle.
Remove 2 setscrews for DIN B coolant thru flange



Replacement CoolFLEX Screws

Part No.	Description
HSA-4-6	40 taper DIN B screw

BT 40 CoolFLEX End Mill Holders

Part No.	Description	d1	L1	d2
07140-1/4F	BT 40 x 1/4" I.D. - 2.5"	1/4"	2.5"	.78"
07140-3/8F	BT 40 x 3/8" I.D. - 2.5"	3/8"	2.5"	1.0"
07140-1/2F	BT 40 x 1/2" I.D. - 2.5"	1/2"	2.5"	1.25"
07140-5/8F	BT 40 x 5/8" I.D. - 2.5"	5/8"	2.5"	1.50"
07140-3/4F	BT 40 x 3/4" I.D. - 2.5"	3/4"	2.5"	1.75"
07140-1F	BT 40 x 1.0" I.D. - 3.56"	1.0"	3.56"	2"
07140-1-1/4F	BT 40 x 1-1/4" I.D. - 3.56"	1-1/4"	3.56"	2.5"

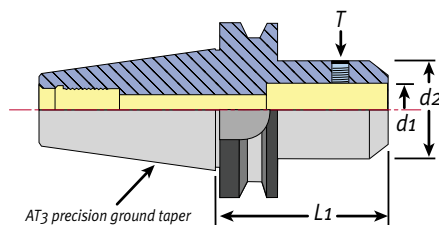
BT 50 Precision End Mill Holders – End Mill Lock Screws



Techniks Certified for bore and taper tolerances

Features

- High precision bore (H5) is best in industry
- Balanced to 10,000 RPM to save spindle bearing life
- Taper ground to AT3 for maximum spindle contact



Retention Knobs
pg. 161

BT 50 End Mill Holders

Part No.	Description	d1	l1	d2
07150-1/4	BT 50 x 1/4" I.D. - 3"	1/4"	3"	.78"
07150-3/8	BT 50 x 3/8" I.D. - 2.75"	3/8"	2.75"	1.0"
07150-1/2	BT 50 x 1/2" I.D. - 3"	1/2"	3"	1.25"
07150-5/8	BT 50 x 5/8" I.D. - 3"	5/8"	3"	1.5"
07150-3/4	BT 50 x 3/4" I.D. - 3"	3/4"	3"	1.75"
07150-1	BT 50 x 1.0" I.D. - 4.5"	1.0"	4.5"	2"
07150-1-6	BT 50 x 1.0" I.D. - 6"	1.0"	6"	2"
07150-1-1/4	BT 50 x 1-1/4" I.D. - 4.5"	1-1/4"	4.5"	2.5"

Specify your bore I.D. (shank size) when ordering replacement lock screws. All of our "Stubby" length end mill holders take the same lock screw.



End Mill Holder Replacement Lock Screws

Part No.	Bore	Length	Thread	Part No.	Bore	Length	Thread
22954-5/16	1/8"	5/16" (.3125)	6-32	22961-1/2	3/4"	1/2" (.5)	5/8-18
22955-1/4	3/16"	1/4" (.25)	8-32	22961-1/2	7/8"	1/2" (.5)	5/8-18
22956-5/16	1/4"	5/16" (.3125)	1/4-28	22962-1/2	1.0"	1/2" (.5)	3/4-16
22957-5/16	5/16"	5/16" (.3125)	5/16-24	22962-5/8	1-1/4"	5/8" (.625)	3/4-16
22958-5/16	3/8"	5/16" (.3125)	3/8-24	22962-1/2	1-1/2"	1/2" (.5)	3/4-16
22959-5/16	7/16"	5/16" (.3125)	7/16-20	22962-7/8	2"	7/8" (.875)	1-14
22959-3/8	1/2"	3/8" (.375)	7/16-20	22961-STUBBY	Stubby	5/16 (.3125)	5/8-18
22959-7/16	5/8"	7/16" (.4375)	1/2-20				

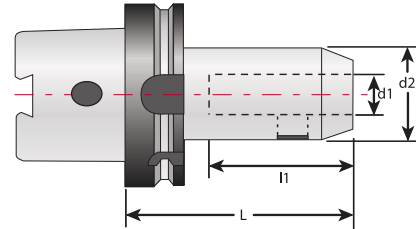
HSK 63A, 100A Precision End Mill Holders



Techniks Certified for bore and taper tolerances

Features

- I.D. bore tolerance is H5 (Best in Industry)
- Balanced to 10,000 RPM to save spindle bearing life
- Taper ground to AT3 for maximum spindle contact



HSK 63A End Mill Holders

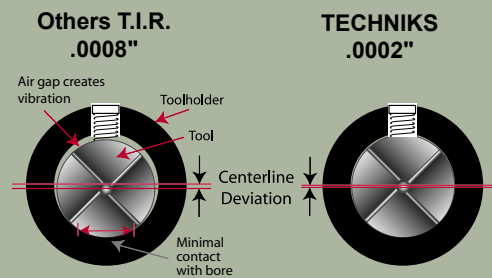
Part No.	Description - I.D.	d1	d2	L	l1
32954	HSK 63A x end mill holder 1/2"	1/2"	1.38"	3.00"	1.97"
32956	HSK 63A x end mill holder 5/8"	5/8"	1.63"	3.75"	2.09"
32958	HSK 63A x end mill holder 3/4"	3/4"	1.75"	3.75"	2.22"
32962	HSK 63A x end mill holder 1"	1"	2.00"	3.75"	2.46"
32964	HSK 63A x end mill holder 1-1/4"	1-1/4"	2.50"	4.25"	2.51"



Techniks Certified for bore and taper tolerances

Techniks H5 Bore Tolerance Extends Tool Life 60%

You lose 10% of cutting tool life for every .0001" of T.I.R.



HSK 100A End Mill Holders

Part No.	Description - I.D.	d1	d2	L	l1
32984	HSK 100A x end mill holder 1/2"	1/2"	1.38"	3.25"	1.97"
32986	HSK 100A x end mill holder 5/8"	5/8"	1.63"	3.75"	2.09"
32988	HSK 100A x end mill holder 3/4"	3/4"	1.75"	3.75"	2.22"
32992	HSK 100A x end mill holder 1"	1"	2.00"	4.25"	2.46"
32994	HSK 100A x end mill holder 1-1/4"	1-1/4"	2.50"	4.25"	2.51"
32996	HSK 100A x end mill holder 1-1/2"	1-1/2"	2.75"	4.50"	2.93"
32998	HSK 100A x end mill holder 2"	2"	3.75"	5.50"	3.53"



Need it FAST? We offer Same Day Shipping until 5:00 pm E.S.T.