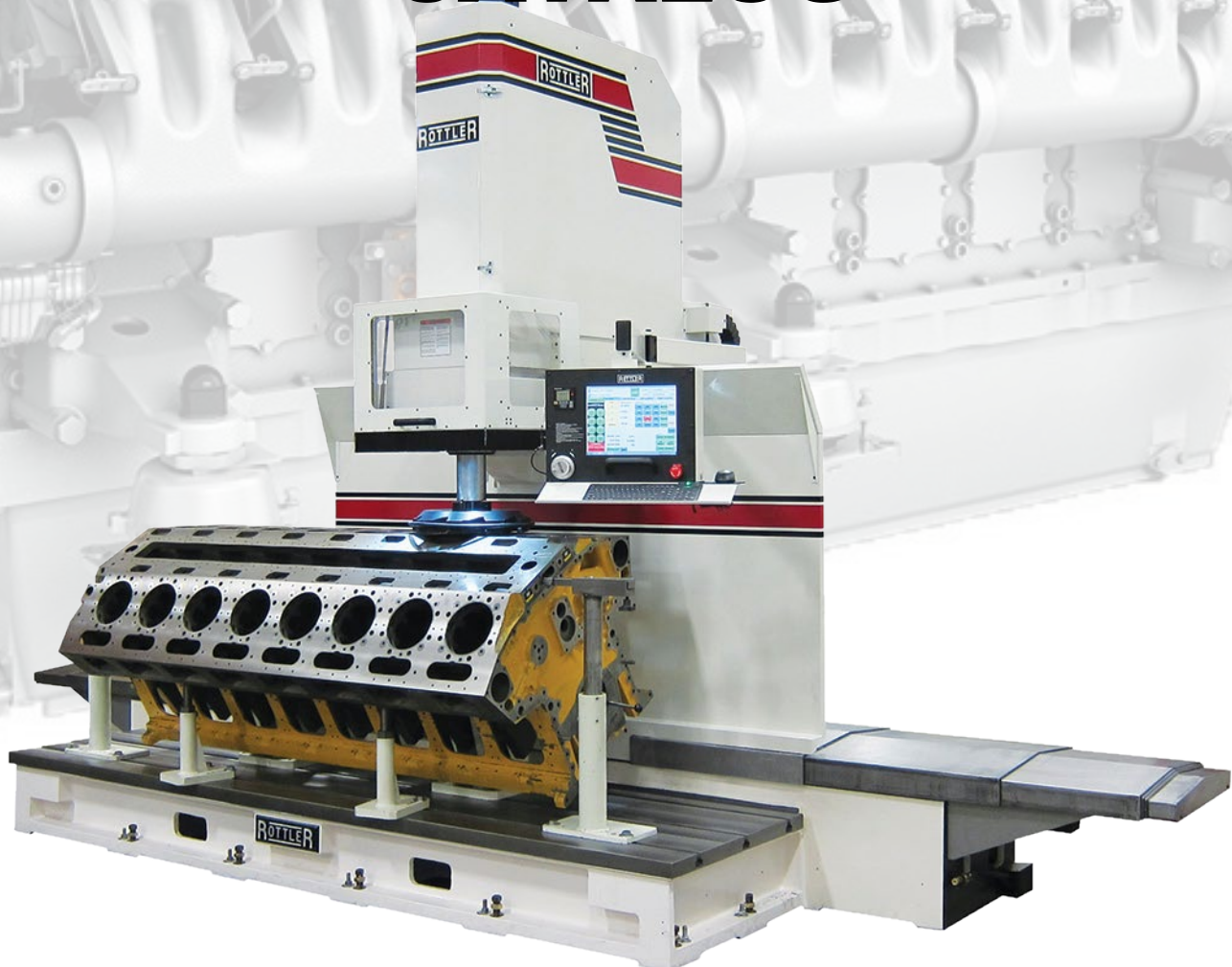


ROTTLER

**EM103/4/5H SERIES CNC
MACHINING CENTER
OPTIONAL EQUIPMENT
CATALOG**







ORDERING PROCEDURE

Contact your regional Rottler sales rep for assistance in ordering optional equipment, replacement parts, or tooling.

If you are unable to contact your regional Rottler sales rep, call the factory at 253-872-7050 and ask to speak to the parts sales specialist.

Have the following information handy to expedite the ordering process:

1. Your name, business name, and contact number
2. Customer number
3. If you do not have a customer number, your billing address
4. Shipping address if different from billing address
5. Machine model and serial number
6. Part number and description of what you want to order
7. Preferred method of shipment

You may also contact us via e-mail with the above information. For customers within the U.S. send emails to parts@rottermfg.com, for customers outside of the U.S. use intlparts@rottermfg.com

In some cases you may be requested to send a photo of the part you are ordering if it is a replacement part, or doesn't appear in the database.

If you are unsure which part you need to order, contact our service department and ask to speak to one of our service consultants. They will assist you in determining which part you require.

THERE IS A MINIMUM ORDER OF \$25.00

EM103/4/5H SERIES OPTIONAL EQUIPMENT CATALOG

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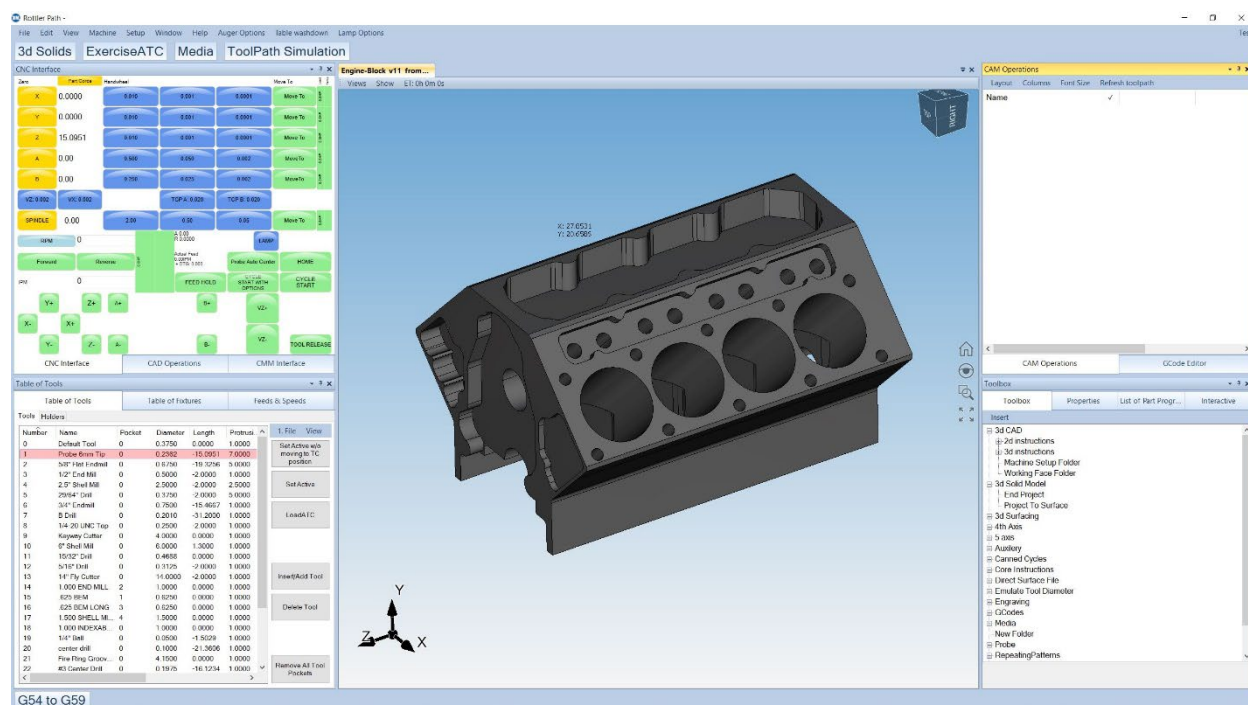
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RPATH-4C Software Package

Next Generation Toolpath Software powered by 4C allows users to quickly and easily produce CNC toolpath programs for producing custom parts and fixtures. Intuitive Conversational programming with no G-code knowledge necessary for 2+1 axis machining.



Cutting Tools

Boring Tools

10118 Blind Hole Cutterhead Kit, 1 1/2"-4.1" (38-104mm) x 7" (176mm)



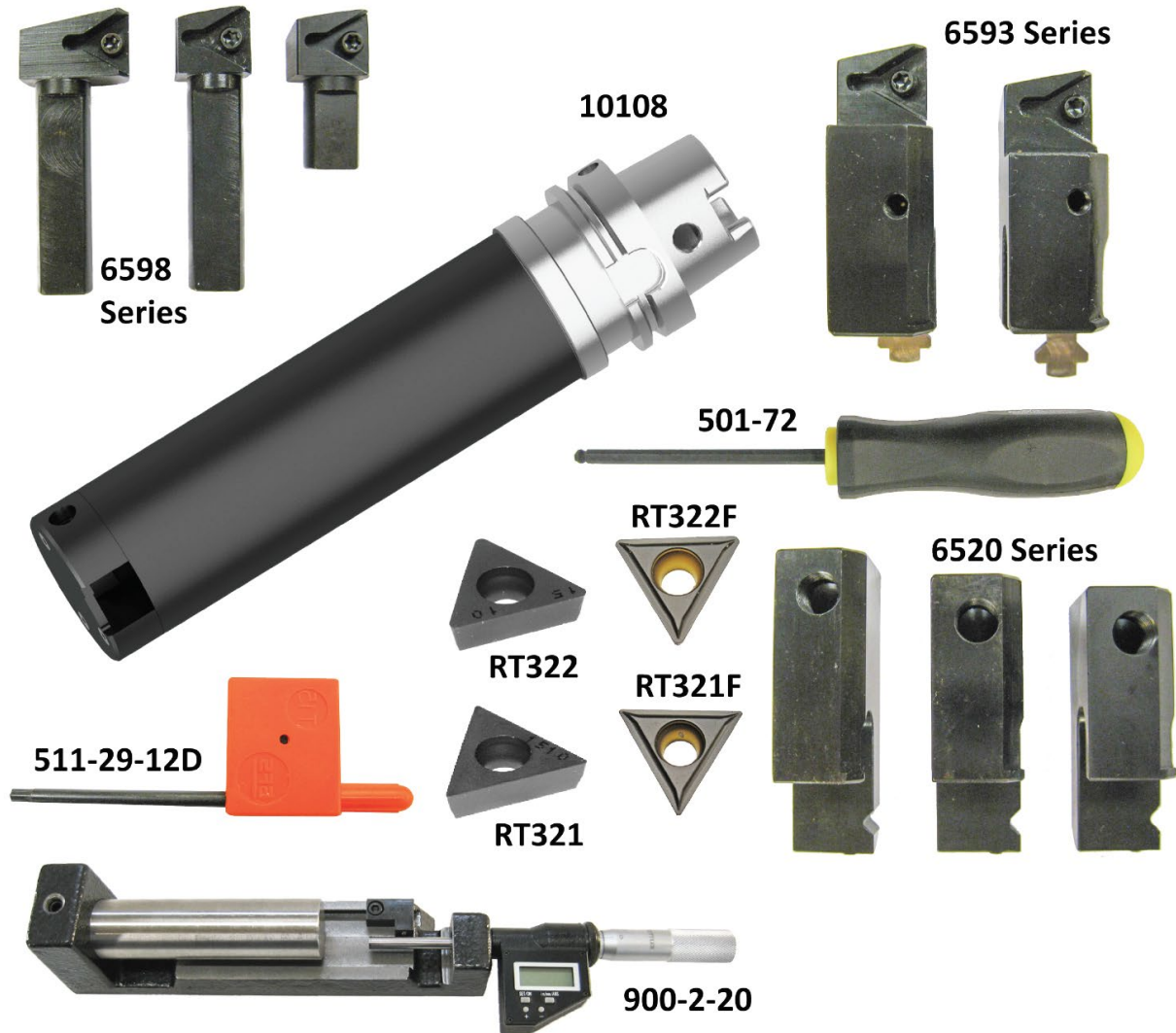
Tool Diameter Range								
Cutterhead Diameter	Centerline Offset		6801A	6801B	6801C	6801D	6801E	6801F
1.5"	-0.655"	Min	1.50"	1.93"	2.30"	2.69"	3.10"	3.50"
		Max	2.02"	2.53"	2.90"	3.29"	3.70"	4.10"

10131 Blind Hole Cutterhead Kit, 2.92"-6.74" (74-171mm) Dia x 9 5/8" (245mm)



Tool Diameter Range							
Cutterhead Diameter	Centerline Offset		6593C	6593D	6520H (6598M)	6520A (6598M)	6520B (6598K)
2.88"	-1.080"	Min	2.92"	3.36"	3.48"	3.74"	5.57"
		Max	3.35"	3.79"	3.88"	4.24"	6.74"

10108B Blind Hole Cutterhead Kit, 2.92"-6.74" (74-171mm) Dia x 11 1/4" (286mm)



Tool Diameter Range							
Cutterhead Diameter	Centerline Offset		6593C	6593D	6520H (6598M)	6520A (6598M)	6520B (6598K)
2.88"	-1.080"	Min	2.92"	3.36"	3.48"	3.74"	5.57"
		Max	3.35"	3.79"	3.88"	4.24"	6.74"

10117 Blind Hole Cutterhead Kit, 5.63-9.34" (143-237mm) Dia



Tool Diameter Range									
Cutterhead Diameter	Centerline Offset		6259P	6259C	6259D	6259I	6259E	6259F	6259G
4.5"	-1.762"	Min	5.63"	5.73"	5.63"	5.63"	6.04"	7.04"	8.04"
		Max	6.64"	7.14"	7.64"	8.05"	7.34"	8.34"	9.34"

10107B Blind Hole Cutterhead Kit, 7 3/4" (197mm) Dia



		Tool Diameter Range									
Cutterhead Diameter	Centerline Offset		6259C	6259D	6259I	6259E	6259F	6259G	6259H	6259J	
7.75"	-0.280"	Min	8.68"	8.58"	8.58"	8.99"	9.99"	10.99"	11.99"	12.99"	
		Max	10.09"	10.59"	11.00"	10.29"	11.29"	12.29"	13.29"	14.29"	

10104B Blind Hole Cutterhead Kit, 12" (305mm) Dia

Tool Diameter Range								
Cutterhead Diameter	Centerline Offset		6259C	6259D	6259I	6259E	6259F	6259G
12"	1.570"	Min	12.10"	12.10"	12.10"	12.51"	13.51"	14.51"
		Max	13.61"	14.11"	14.52"	13.81"	14.81"	15.81"

Surfacing Tools

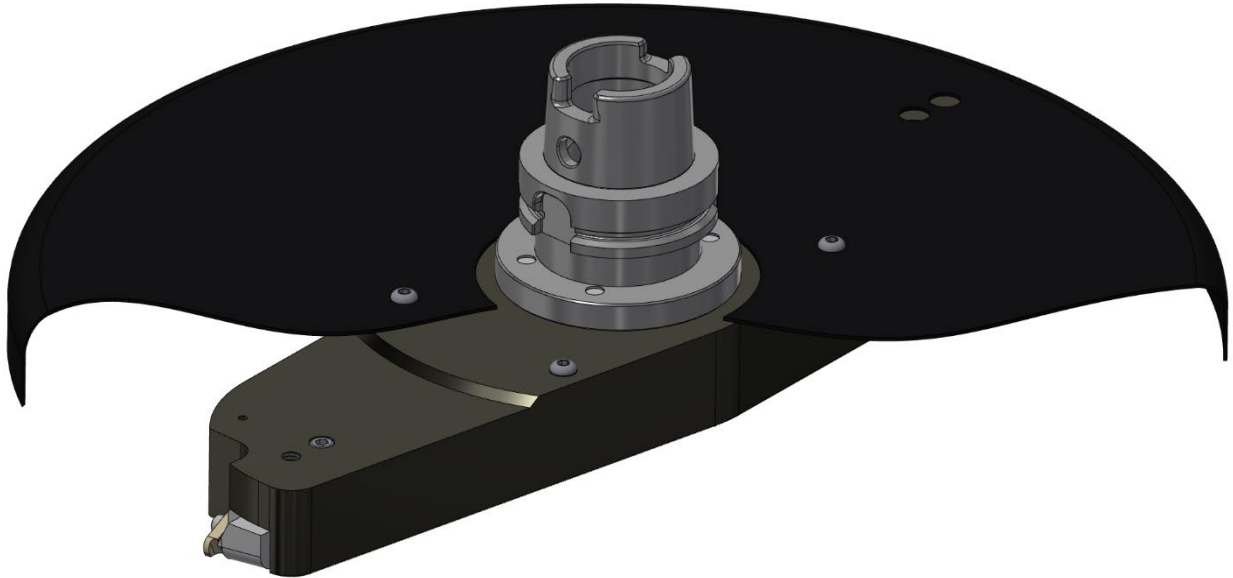
10119 Surfacing Flycutter Kit, 10" (254mm) Dia



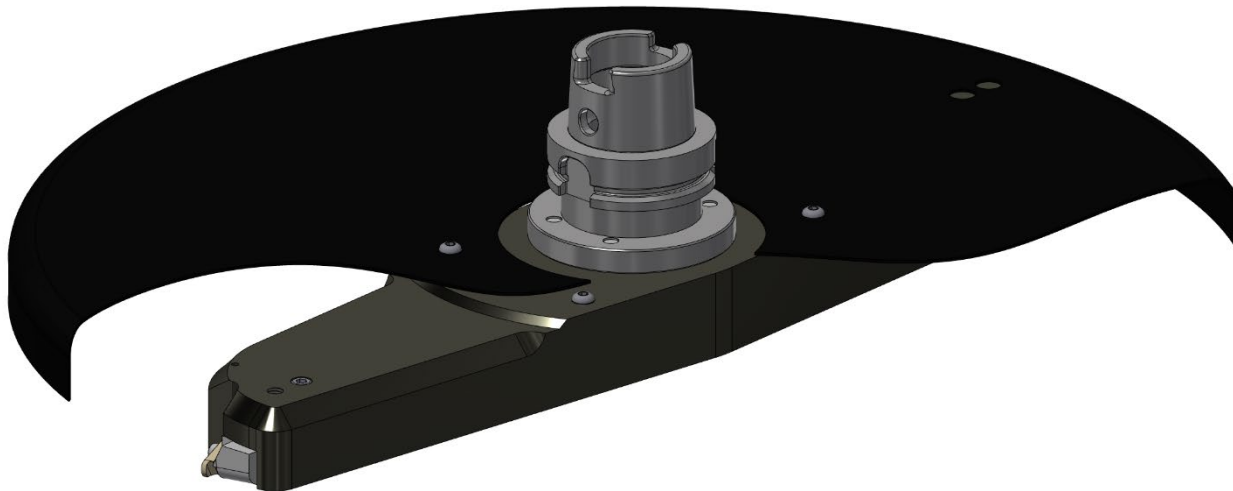
10106C Surfacing Flycutter Kit, 14" (356mm) Dia



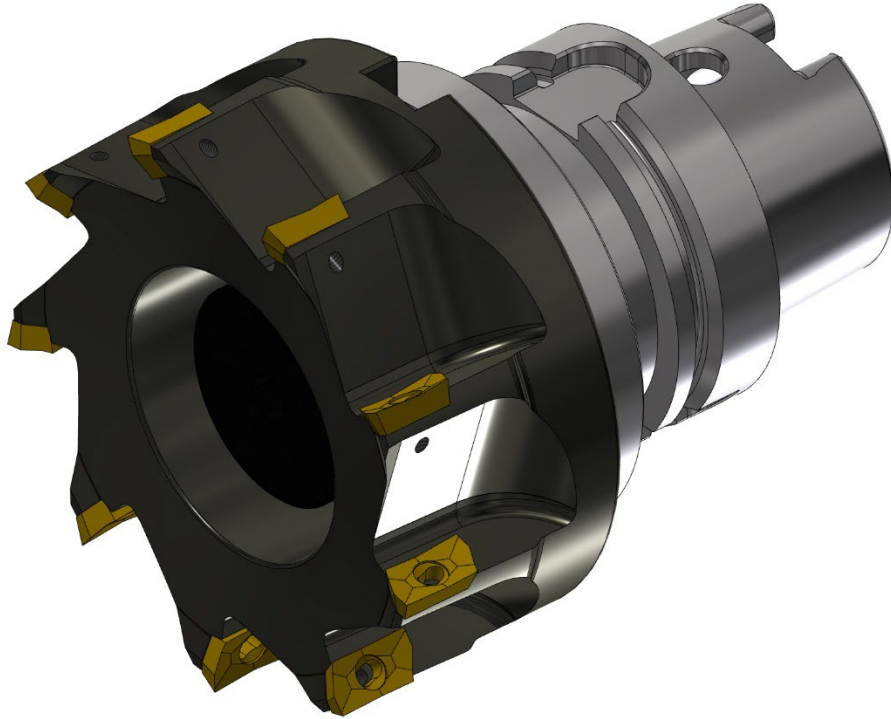
10115 Surfacing Flycutter Kit, 18" (457mm) Dia



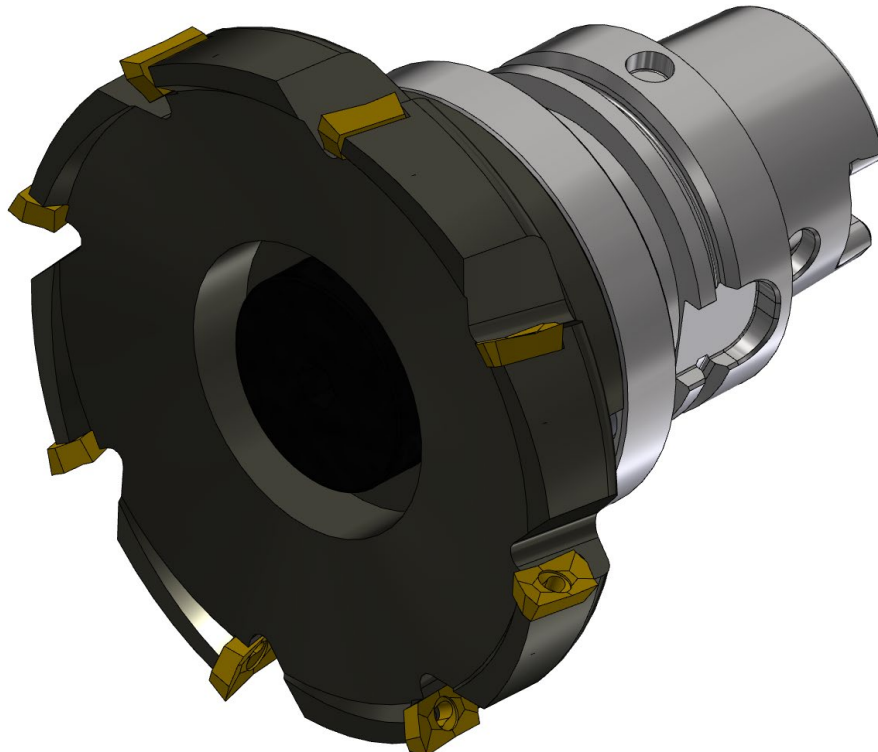
10106B Surfacing Flycutter Kit, 22" (559mm) Dia



10129 Shell Mill Parts, 5" (127mm) Dia



10130 Shell Mill Parts, 6" (152mm) Dia



10109D Shell Mill Kit, 8" (203mm) Dia

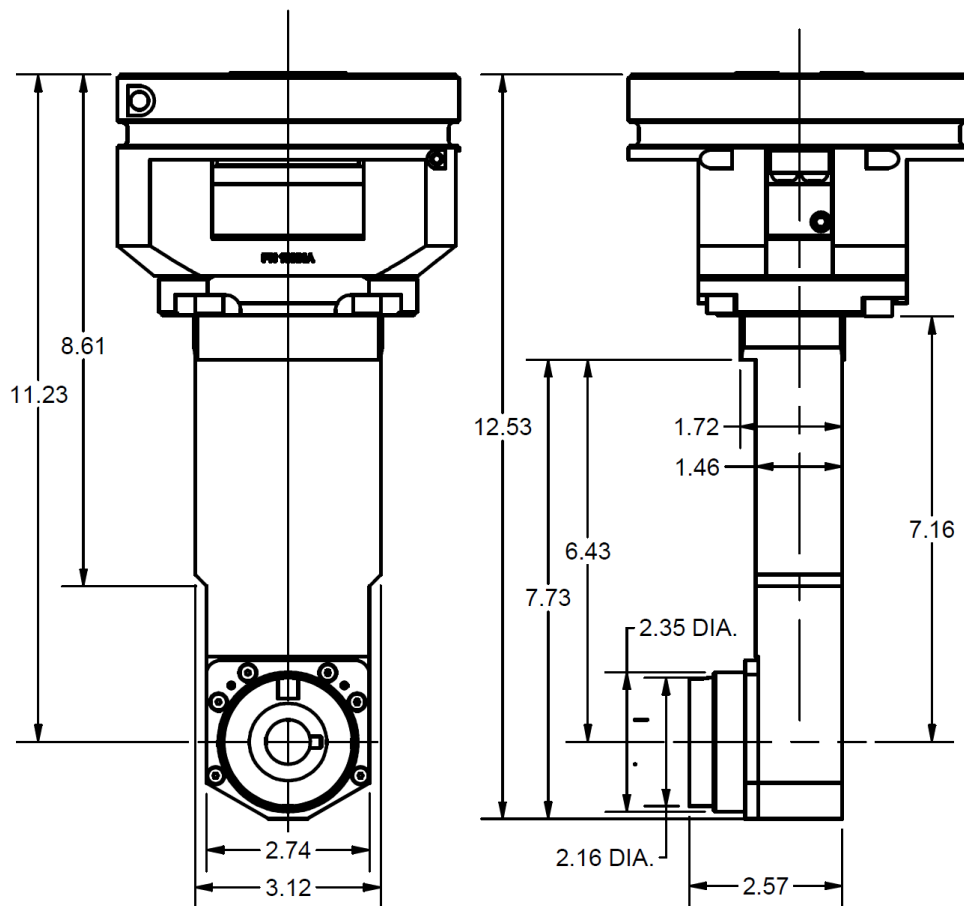


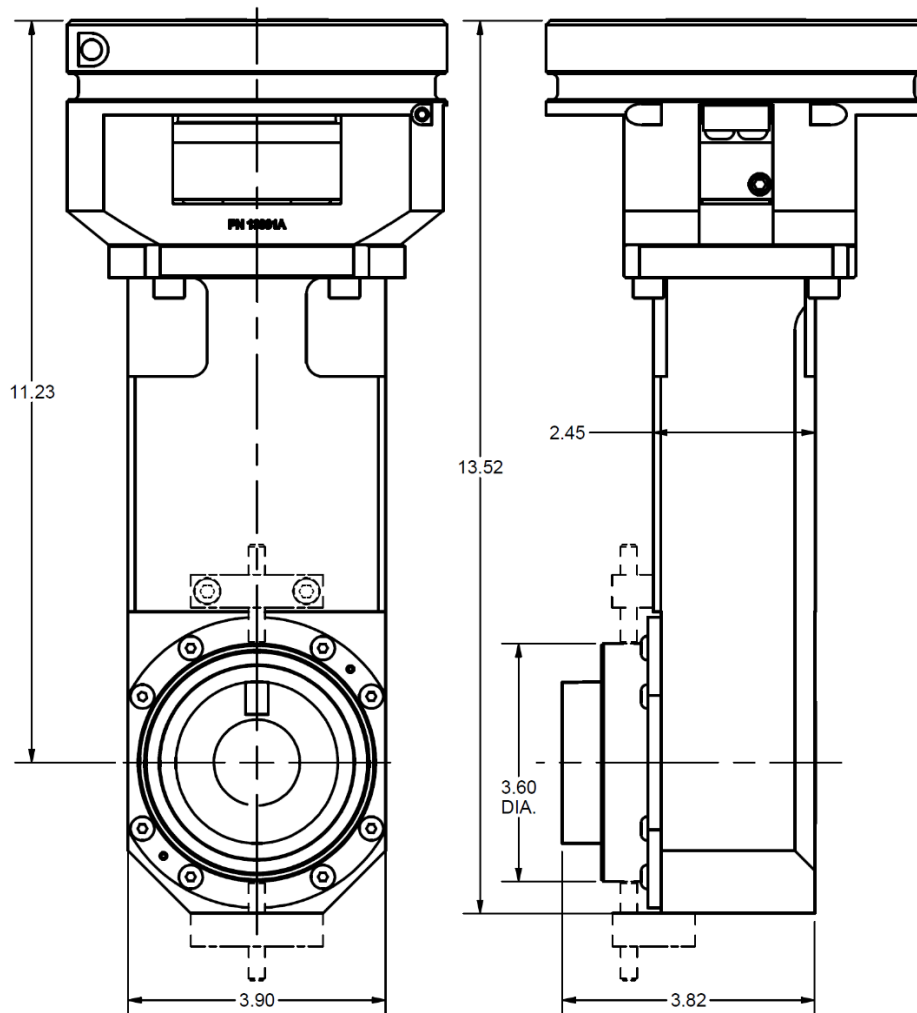
10109B Shell Mill Kit, 18" (457mm) Dia

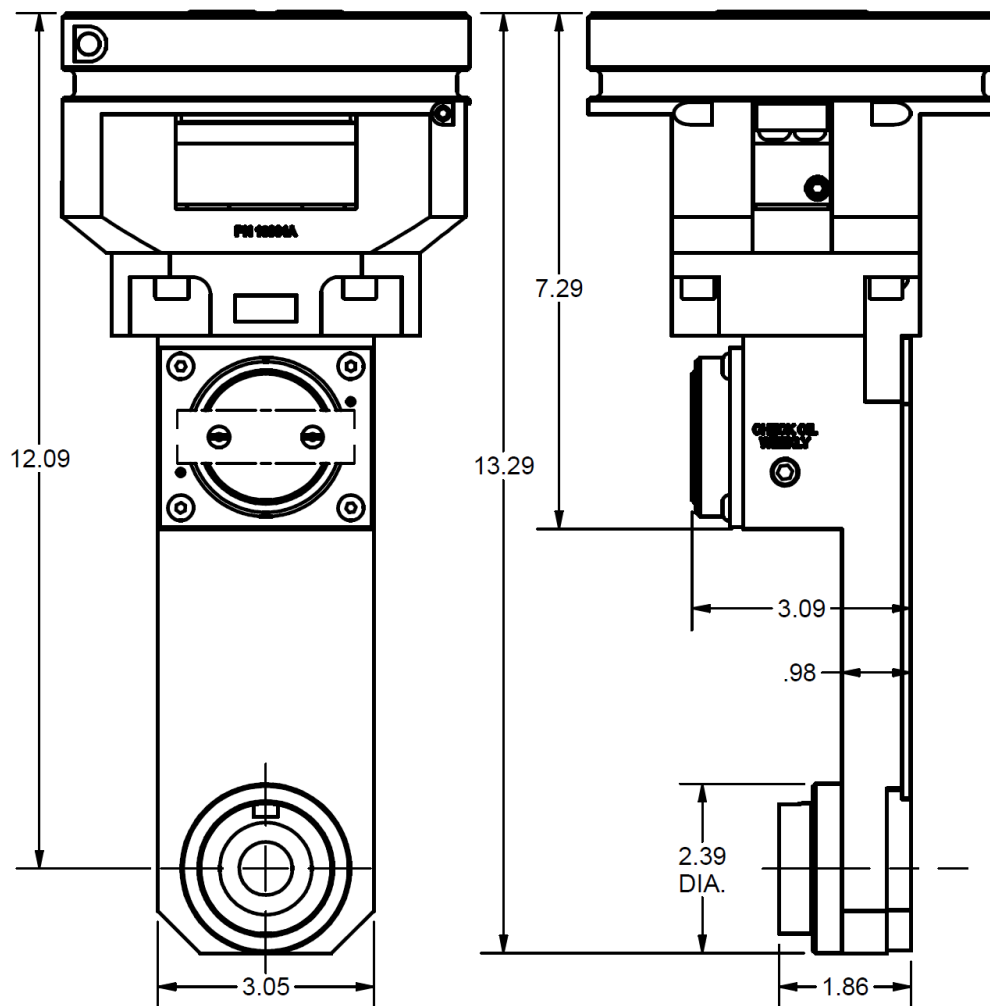


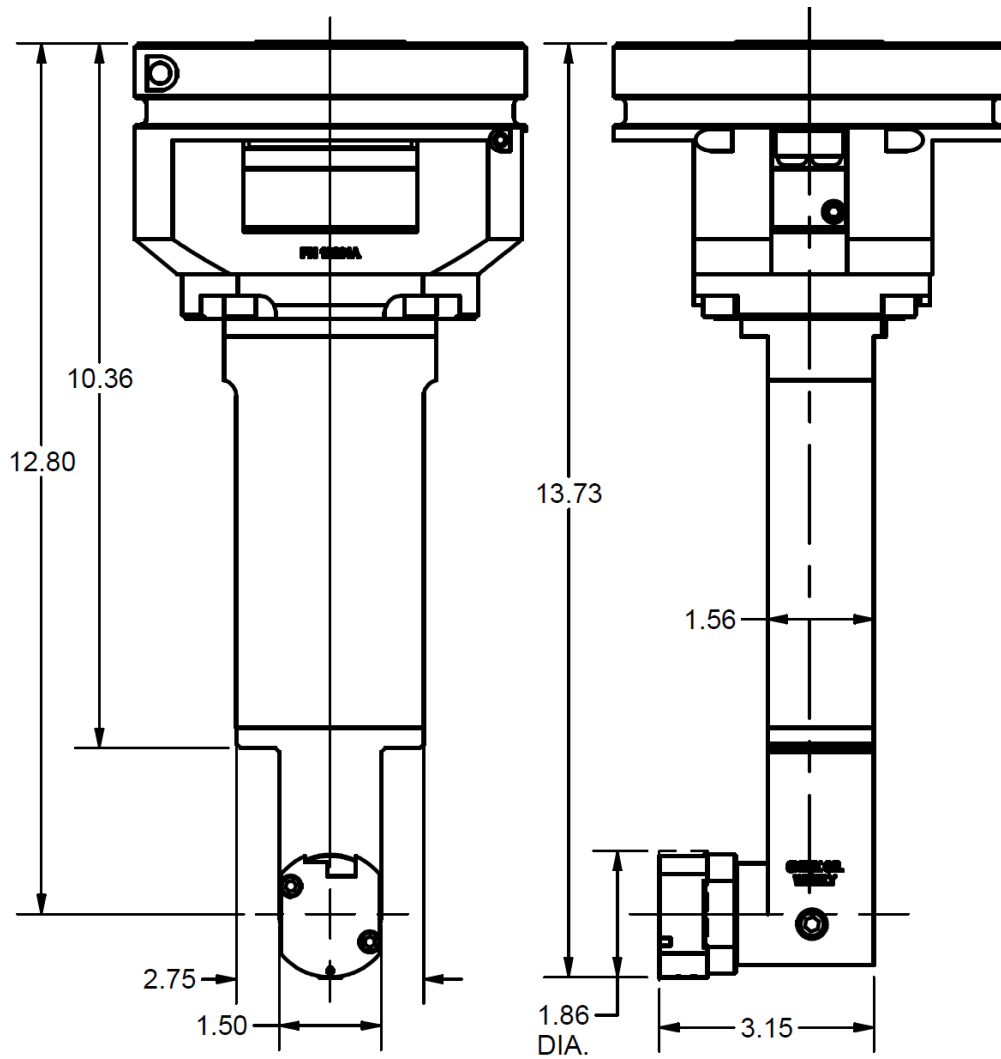
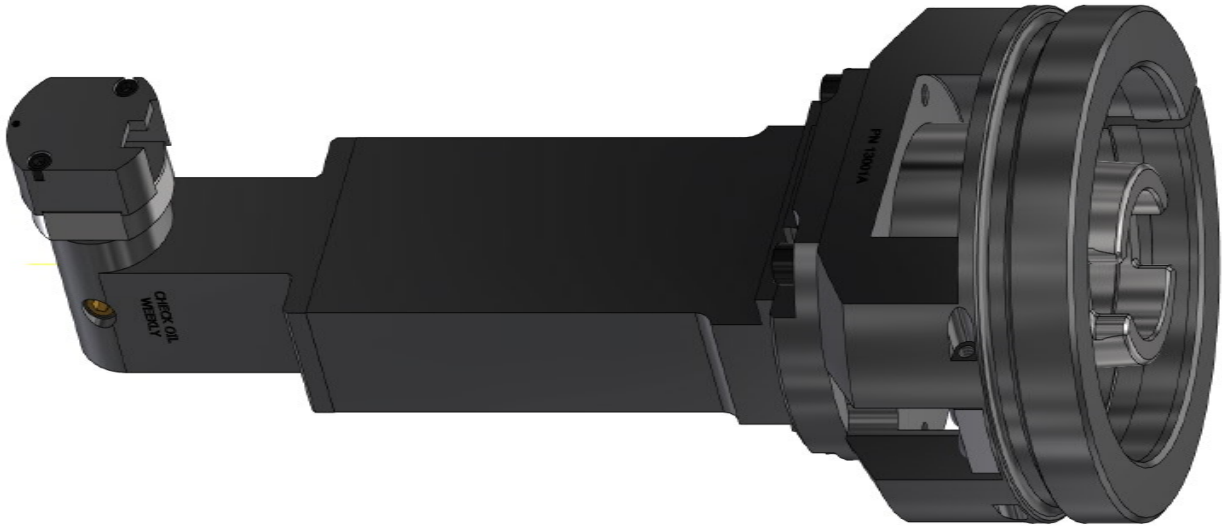
Right Angle Drives

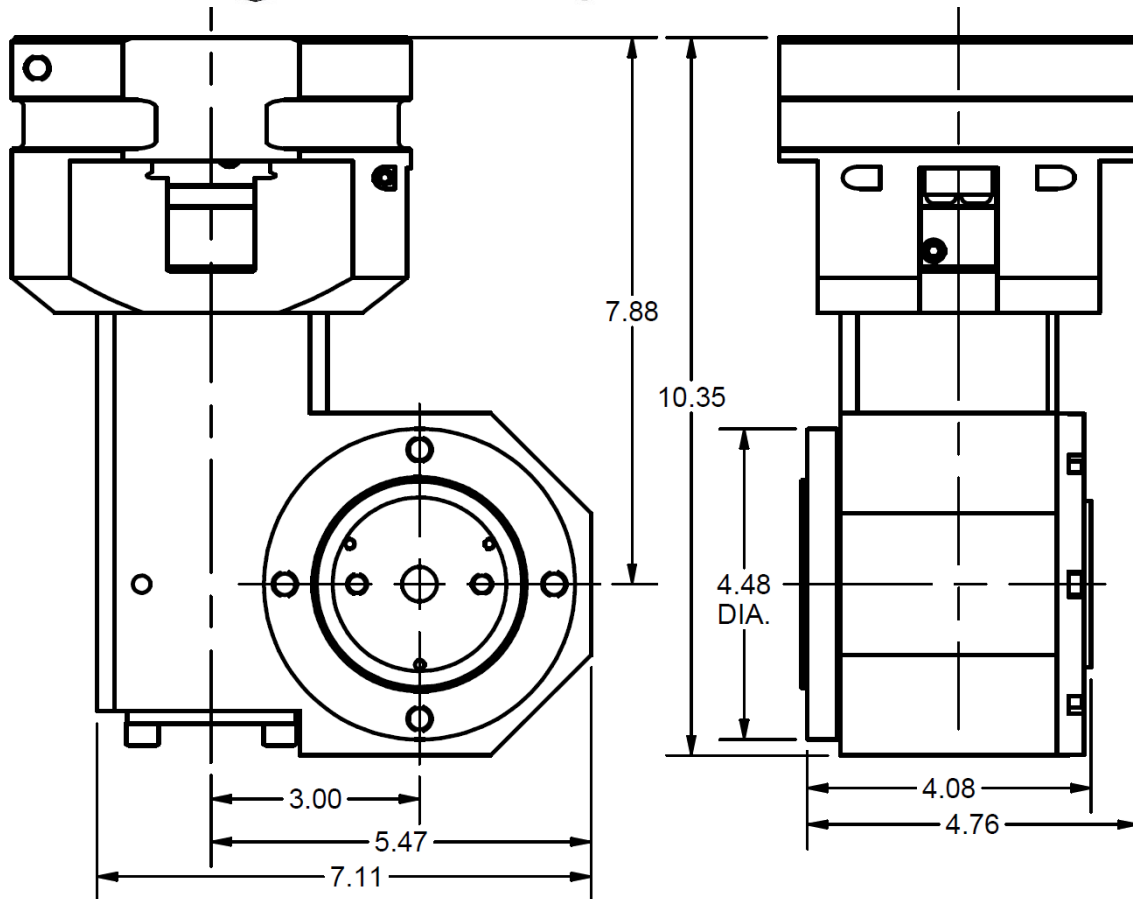
13001 Right Angle Drive, 2" Extended



13002 Mid-Size Right Angle Drive

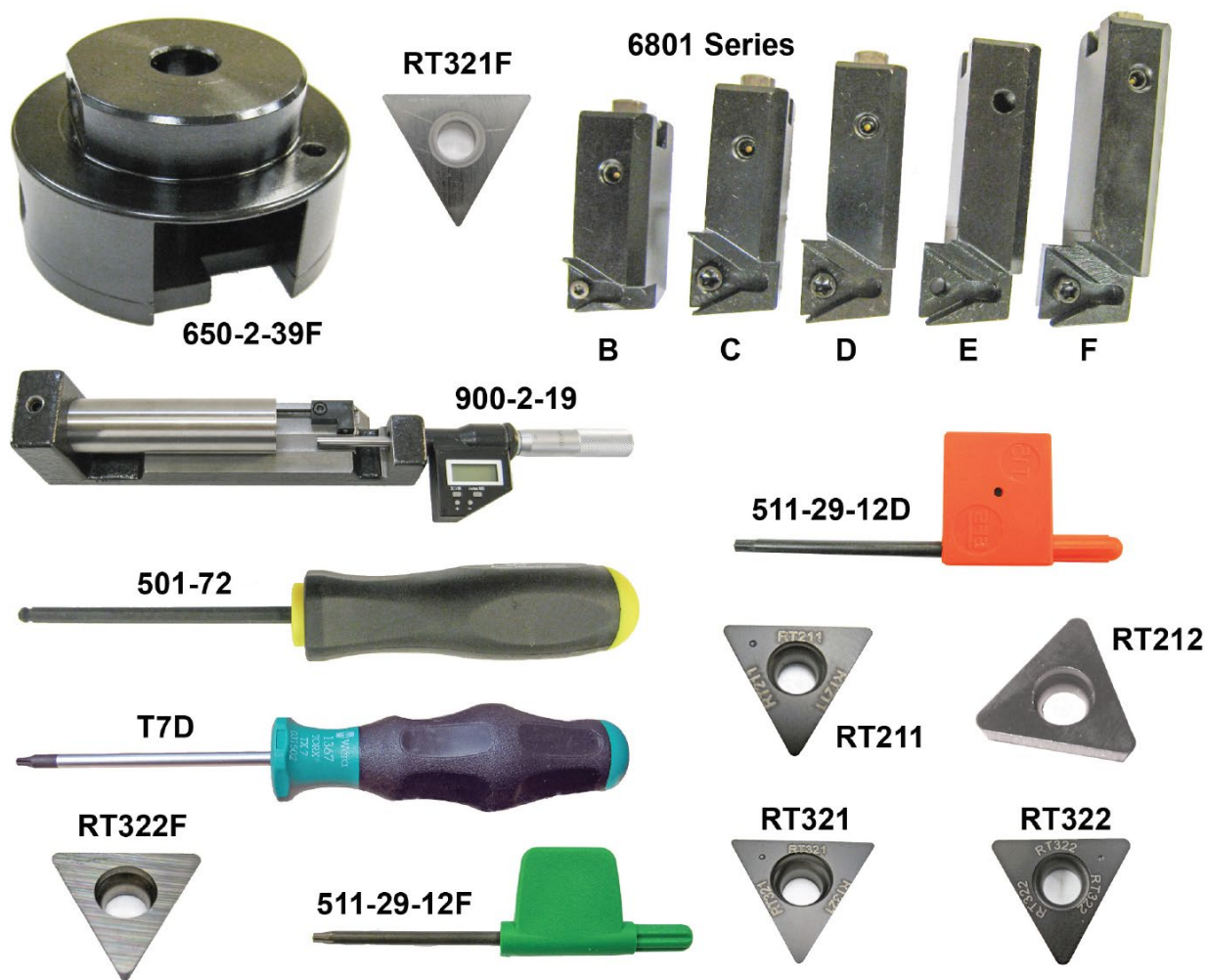
13003 Belt Driven Right Angle Drive

13004 Special Narrow Right Angle Drive

13000 Heavy Duty Offset Right Angle Drive

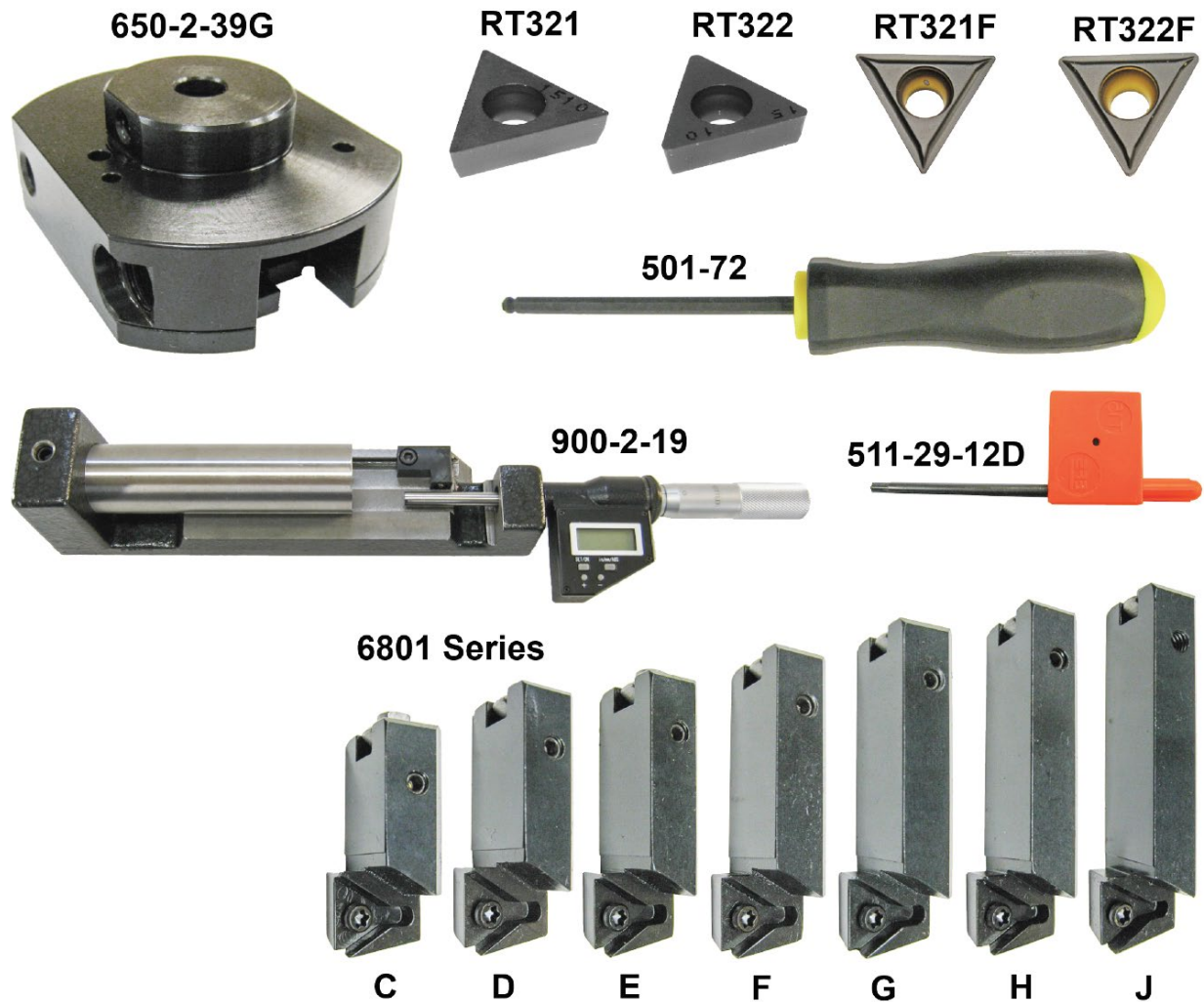
Right Angle Drive Accessories

650-2-39B Line Boring Cutterhead Kit, 1.94-4.11" (49.28-104.39mm) Dia



Tool Diameter Range							
Cutterhead Diameter	Centerline Offset		6801B	6801C	6801D	6801E	6801F
1.9"	-0.650"	Min	1.94"	2.31"	2.70"	3.11"	3.51"
		Max	2.54"	2.91"	3.30"	3.71"	4.11"

650-2-39C Line Boring Cutterhead Kit, 2.82-5.52" (71.63-140.21mm) Dia



Tool Diameter Range									
Cutterhead Diameter	Centerline Offset		6801C	6801D	6801E	6801F	6801G	6801H	6801J
2.82"	-0.500"	Min	2.82"	2.99"	3.40"	3.80"	4.20"	4.63"	4.92"
		Max	3.20"	3.59"	4.00"	4.40"	4.80"	5.23"	5.52"

650-2-39A Line Boring Cutterhead Kit, 5.4-8.1" (137-206mm) Dia



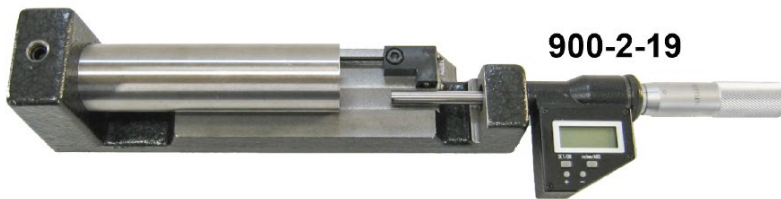
501-72J



501-72



T8D



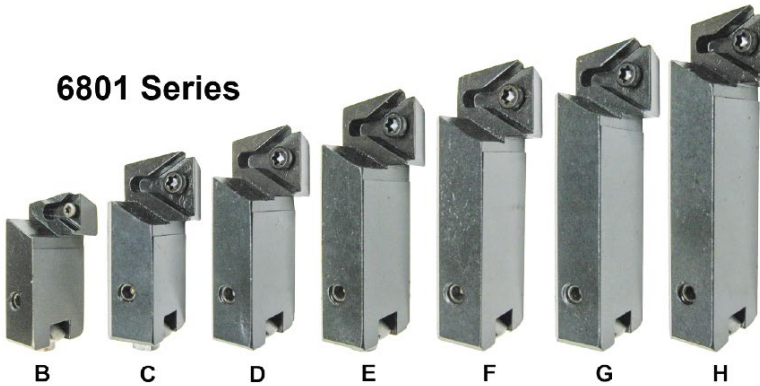
511-29-12F



511-29-12D



6801 Series



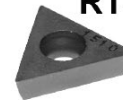
RT211



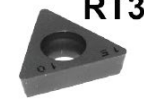
RT212



RT321



RT322



RT321F



RT322F



Tool Diameter Range									
Cutterhead Diameter	Centerline Offset		6801B	6801C	6801D	6801E	6801F	6801G	6801H
5.4"	0.960"	Min	5.4"	5.46"	5.85"	6.26"	6.66"	7.06"	7.49"
		Max	5.69"	6.06"	6.45"	6.86"	7.26"	7.66"	8.09"

6519V Heavy Duty Line Bore Cutterhead Kit, 5.74-9.84" (145.8-249.9mm) Dia x 3" (76mm)



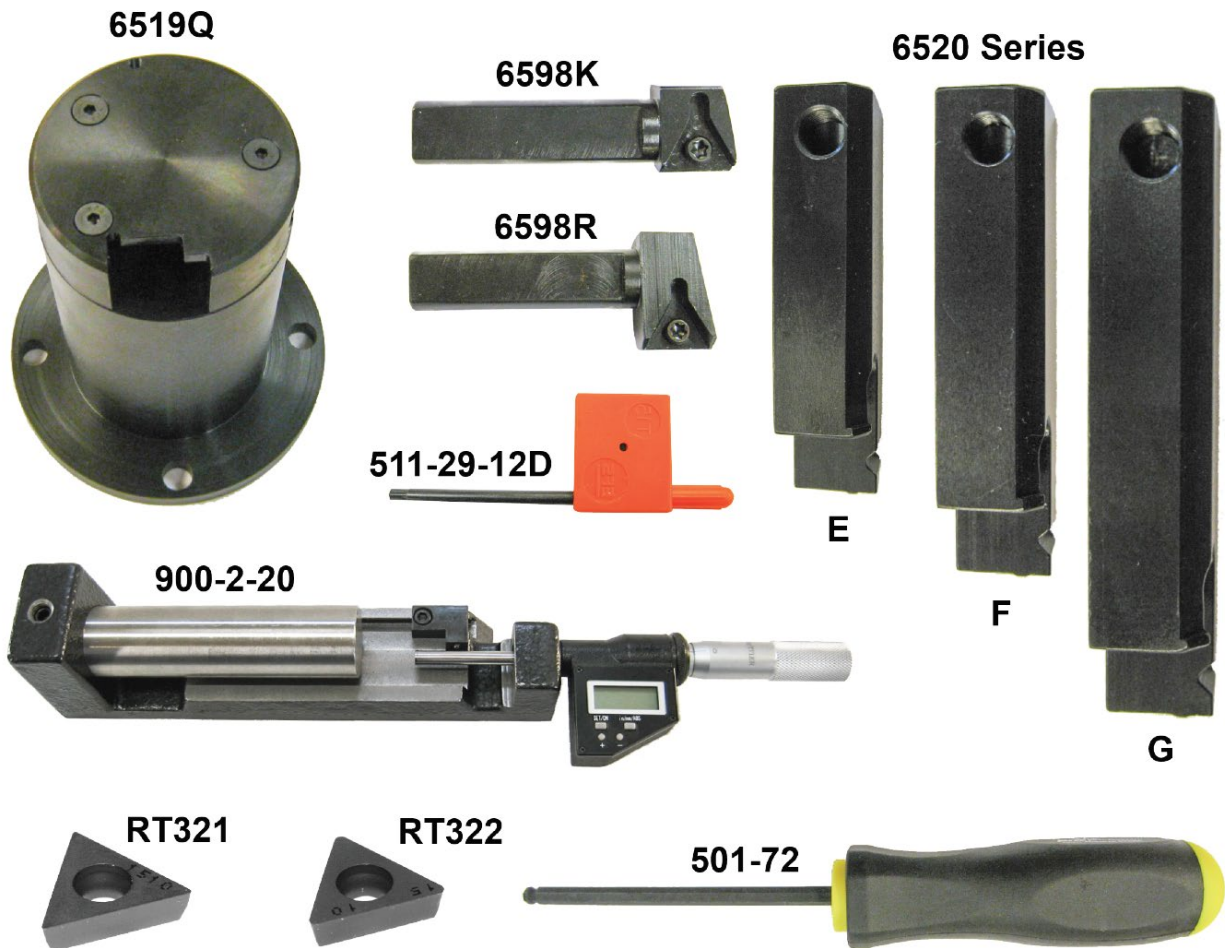
Tool Diameter Range					
Cutterhead Diameter	Centerline Offset		6520E	6520F	6520G
2.88"	-1.080"	Min	5.74"	6.24"	7.24"
		Max	8.34"	8.84"	9.84"

6519P Heavy Duty Line Bore Cutterhead Kit, 5.74-9.84" (145.8-249.9mm) Dia x 4.25" (108mm)

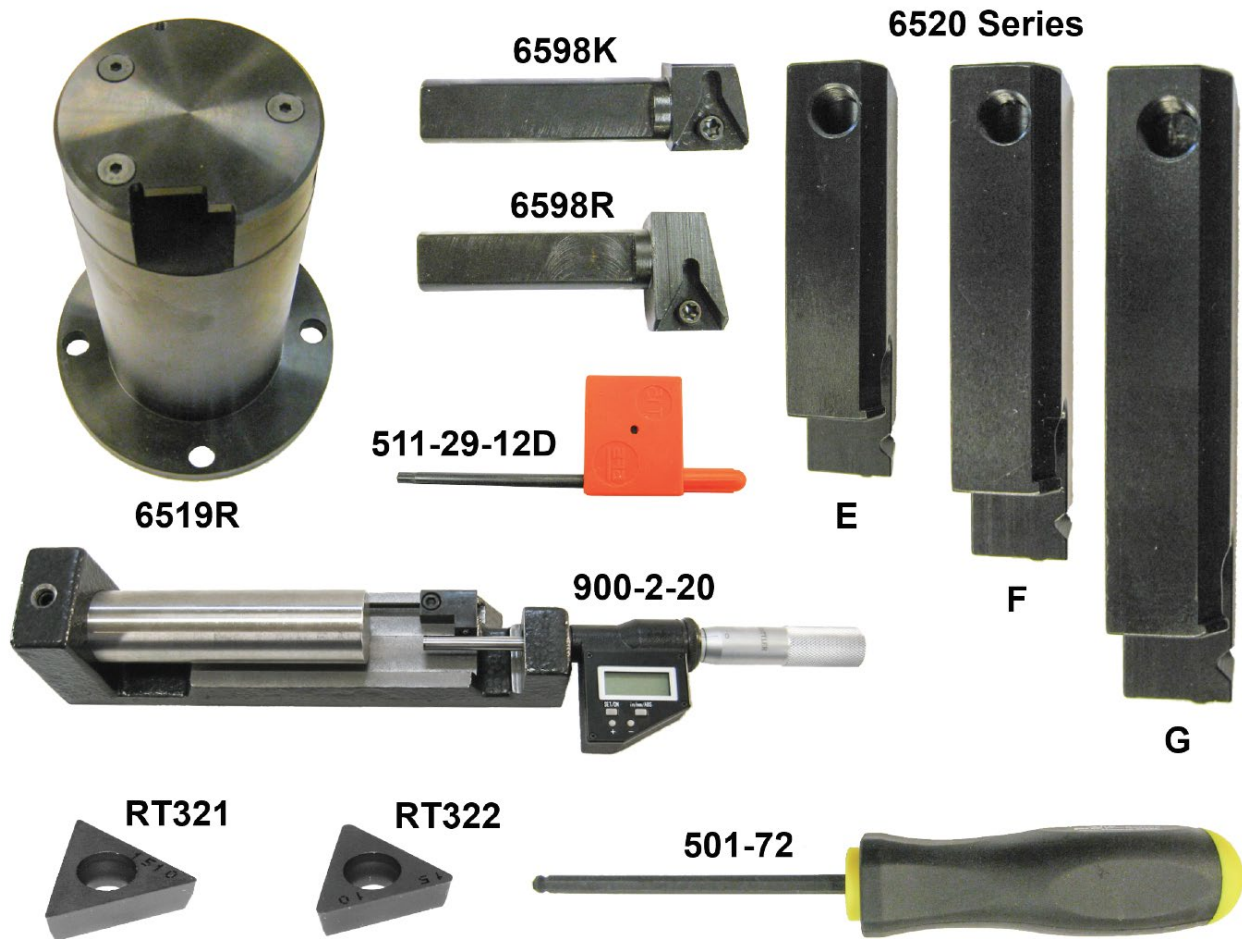


Tool Diameter Range					
Cutterhead Diameter	Centerline Offset		6520E	6520F	6520G
2.88"	-1.080"	Min	5.74"	6.24"	7.24"
		Max	8.34"	8.84"	9.84"

6519M Heavy Duty Line Bore Cutterhead Kit, 5.74-9.84" (145.8-249.9mm) Dia x 5.1" (130mm)

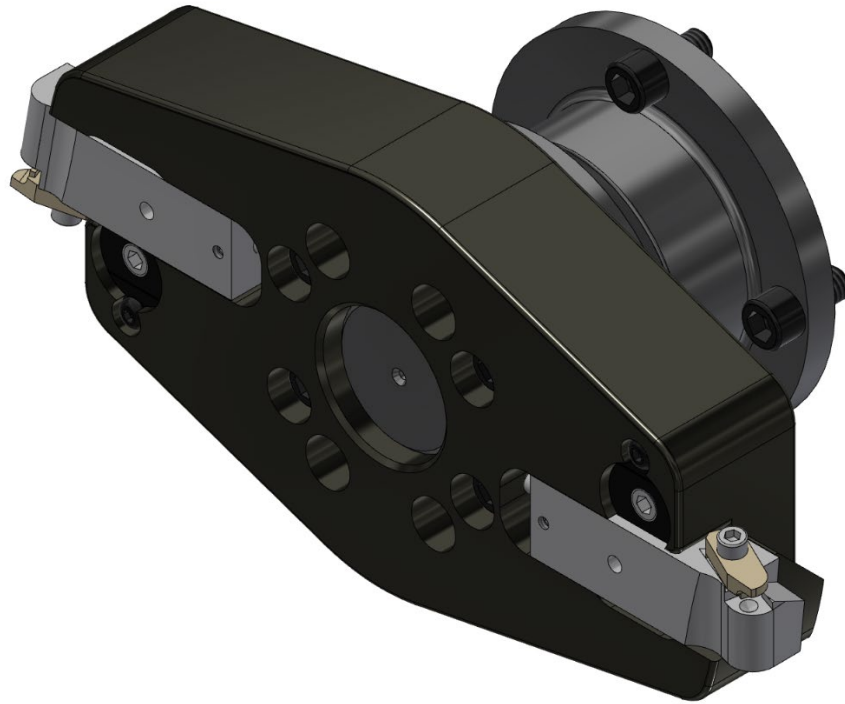


Tool Diameter Range					
Cutterhead Diameter	Centerline Offset		6520E	6520F	6520G
2.88"	-1.080"	Min	5.74"	6.24"	7.24"
		Max	8.34"	8.84"	9.84"

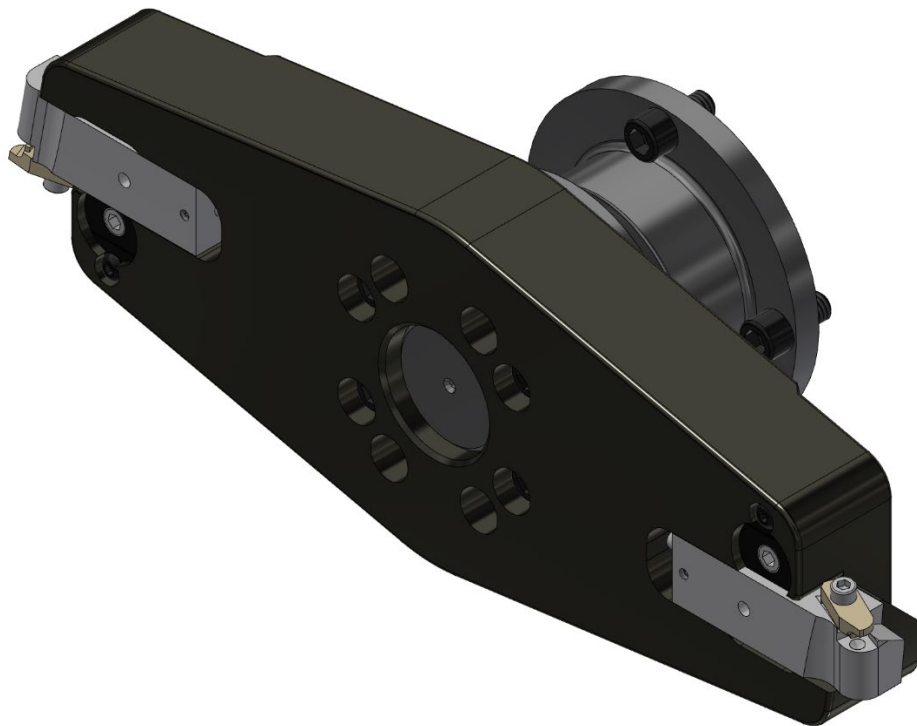
6519N Heavy Duty Line Bore Cutterhead Kit, 5.74-9.84" (145.8-249.9mm) Dia x 6" (152mm)


Tool Diameter Range					
Cutterhead Diameter	Centerline Offset		6520E	6520F	6520G
2.88"	-1.080"	Min	5.74"	6.24"	7.24"
		Max	8.34"	8.84"	9.84"

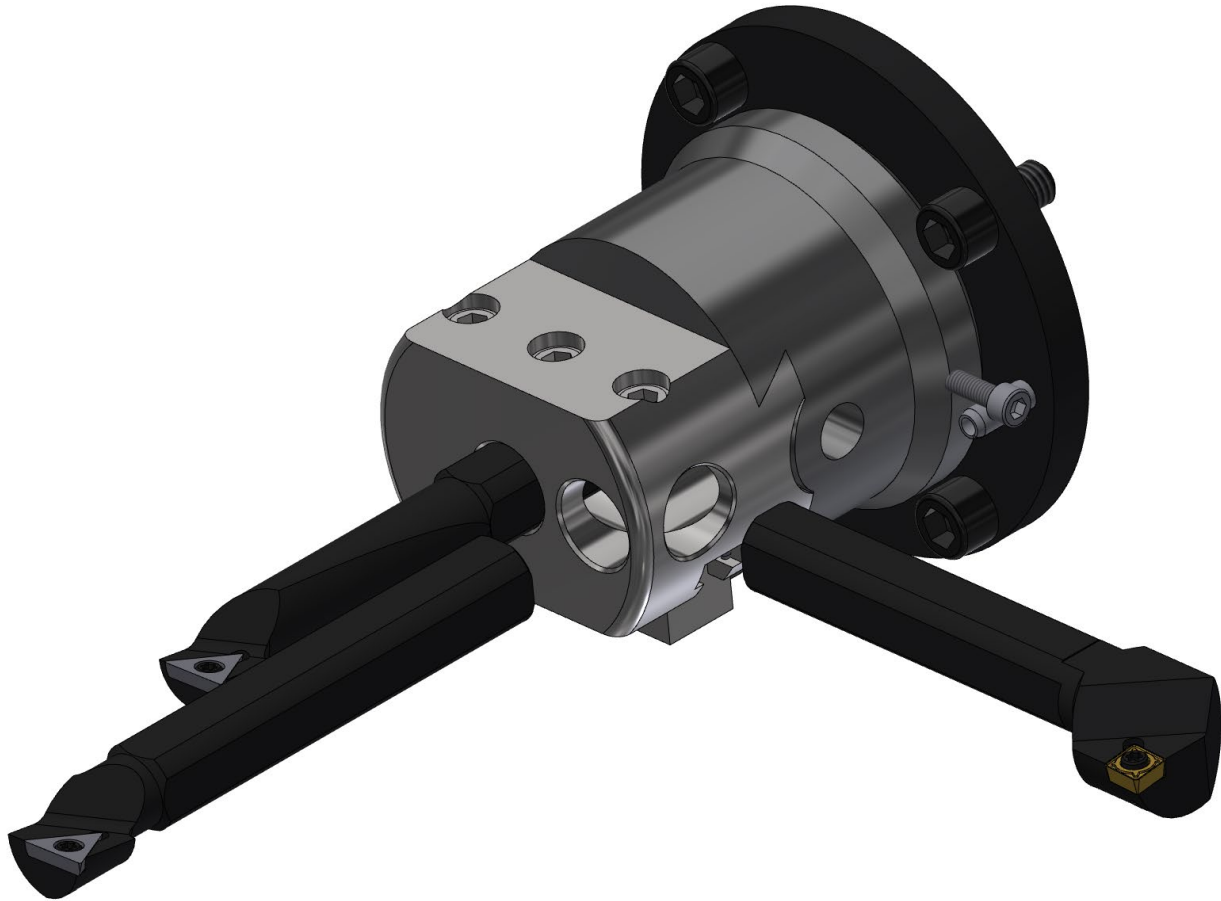
6779L Flycutter Kit for Right Angle Drive, 10" (254mm) Dia



6779M Flycutter Kit for Right Angle Drive, 14" (356mm) Dia



6779N Crossfeed Head Kit for Right Angle Drive



6855C Thrust Facing Tooling Package

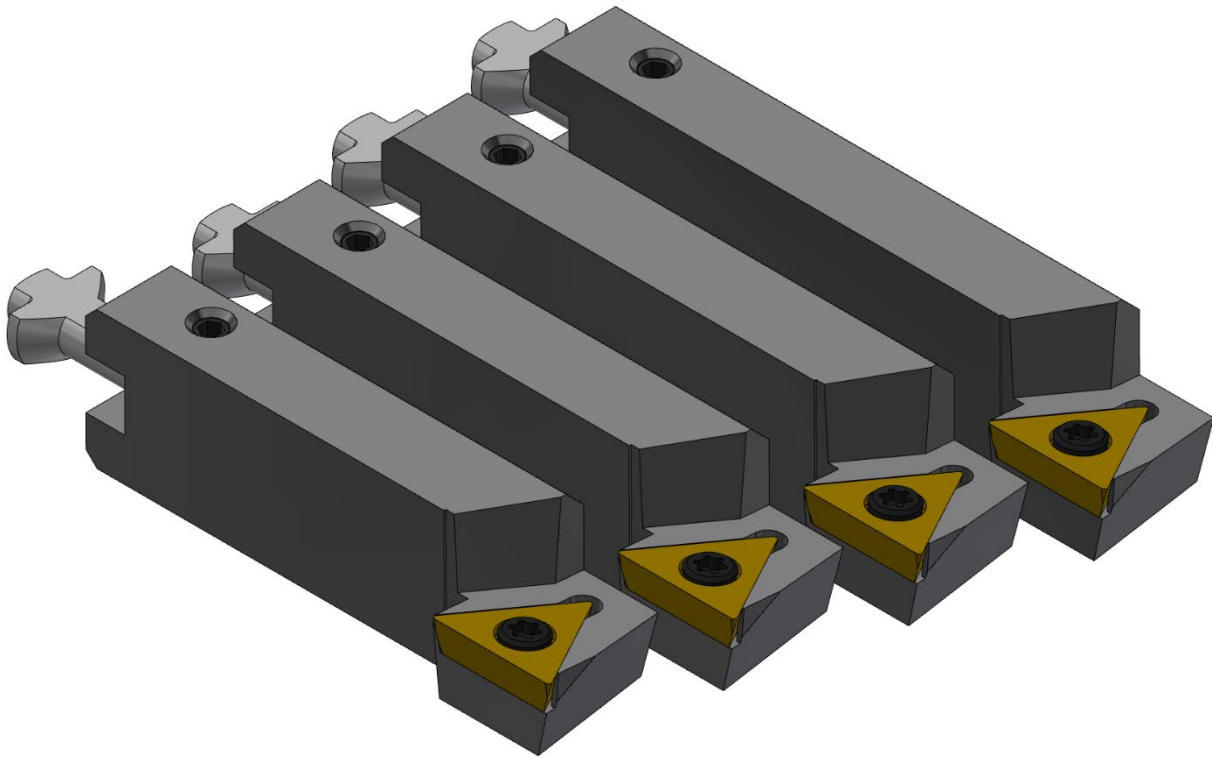


6779H CAT 40 Adapter Kit for Right Angle Drive

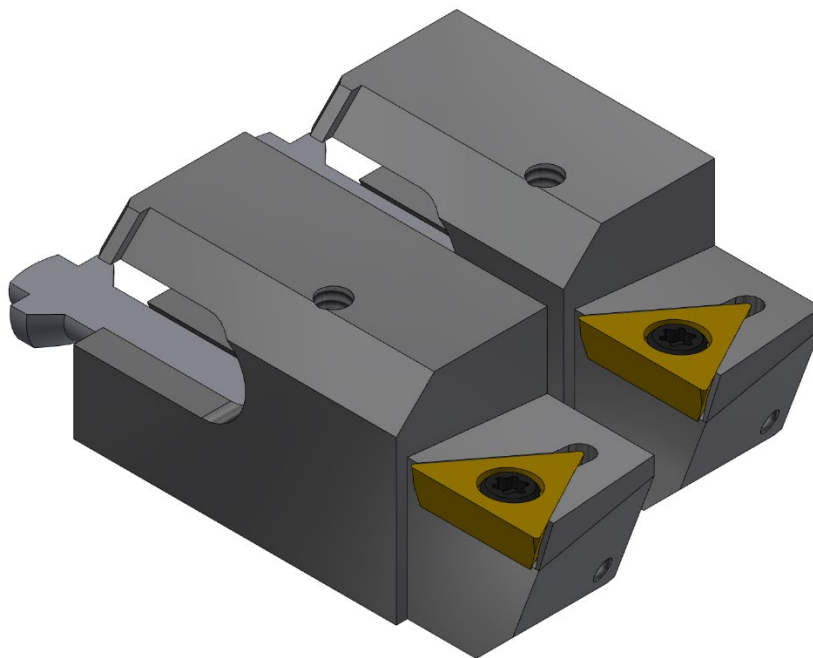


Insert Holders

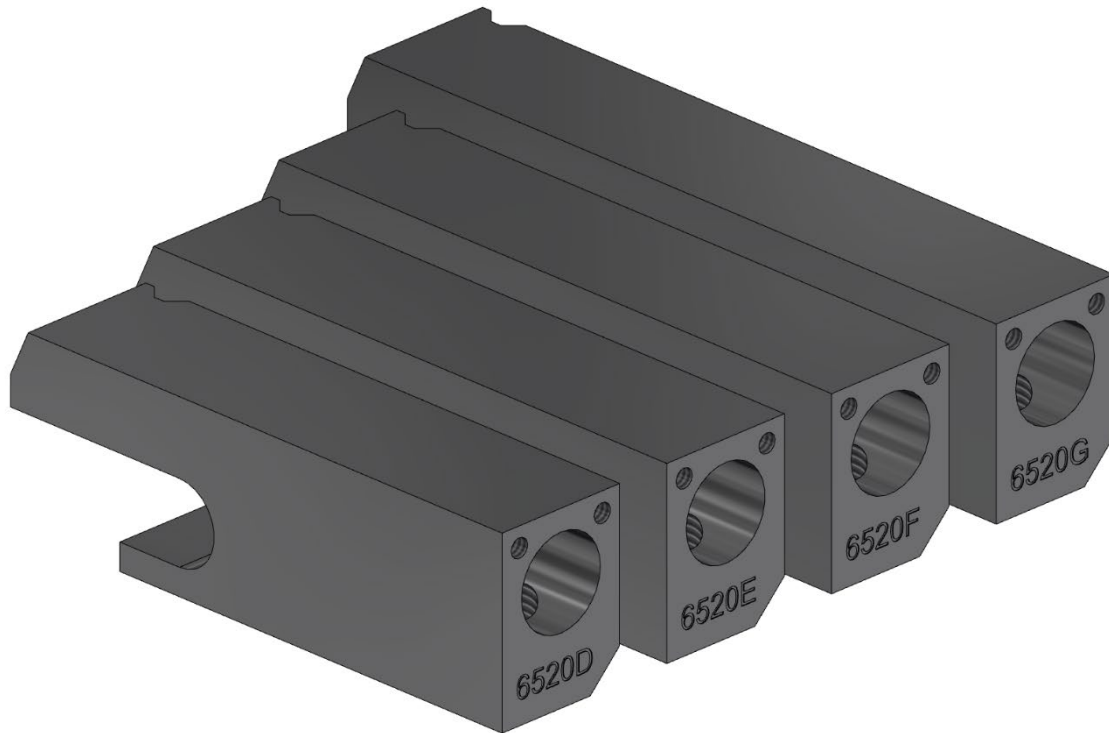
6801 Series Insert Holders



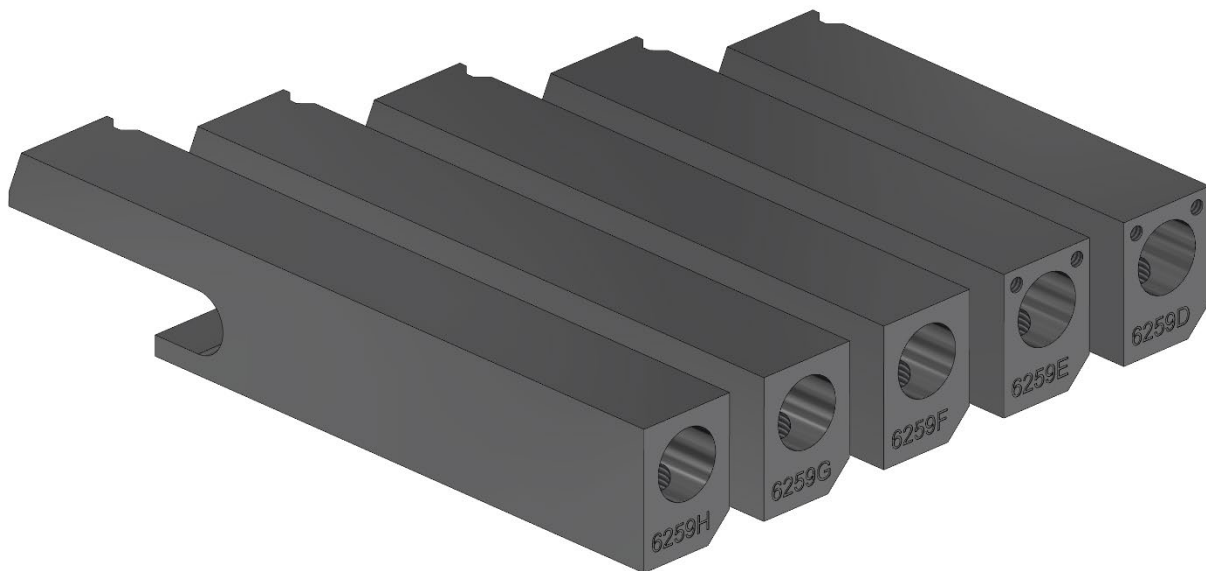
6593 Series Insert Holders



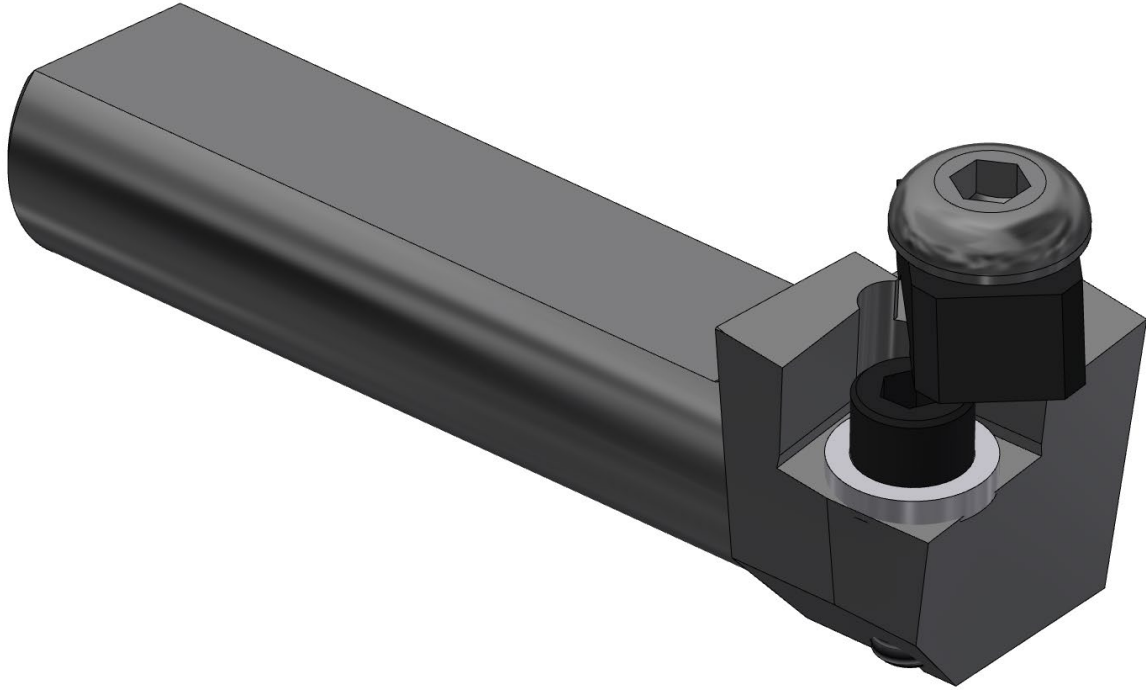
6520 Series Toolholders



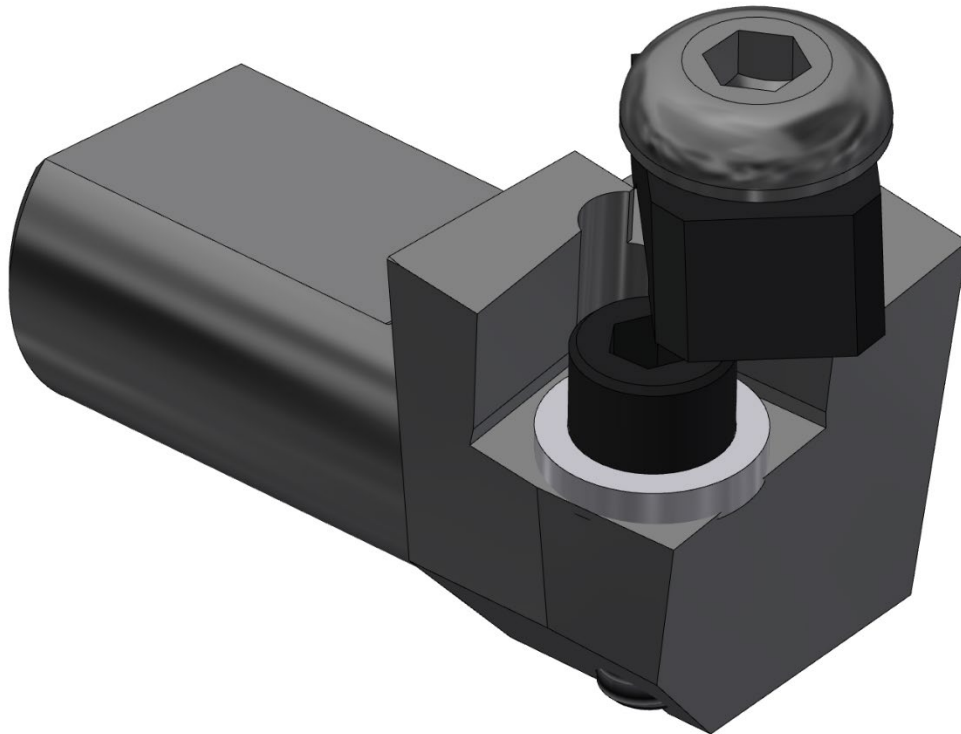
6259 Series Toolholders



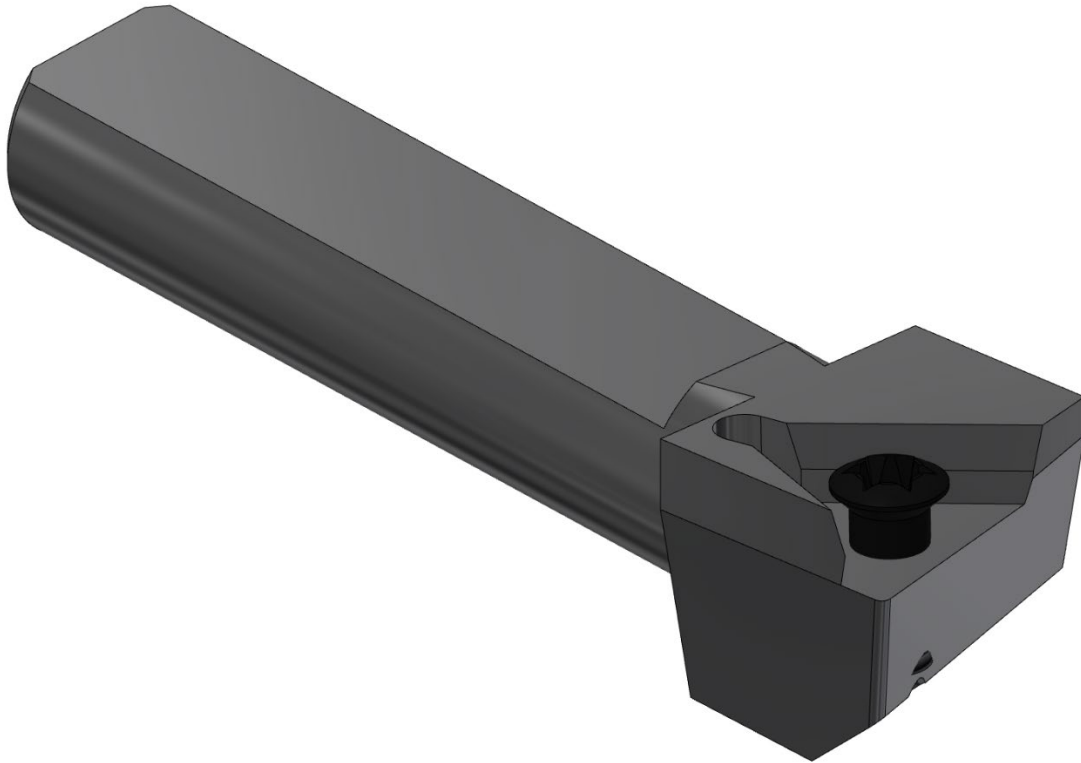
6206L Tool Cartridge



6206M Tool Cartridge



6593S Insert Cartridge

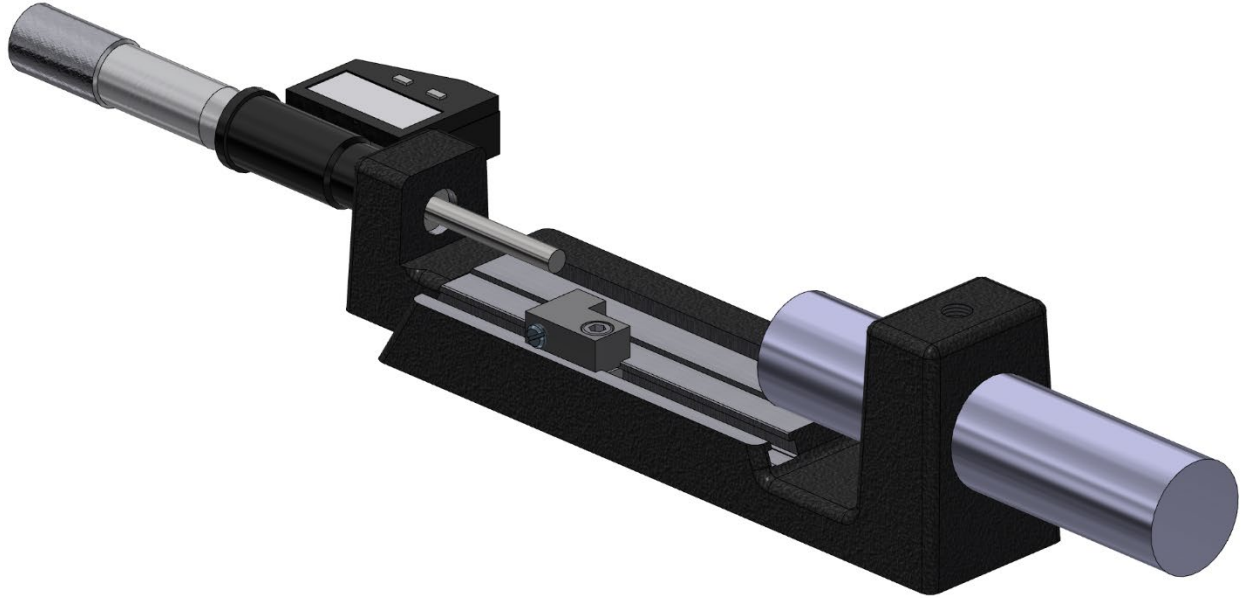


6598 Series Insert Cartridges

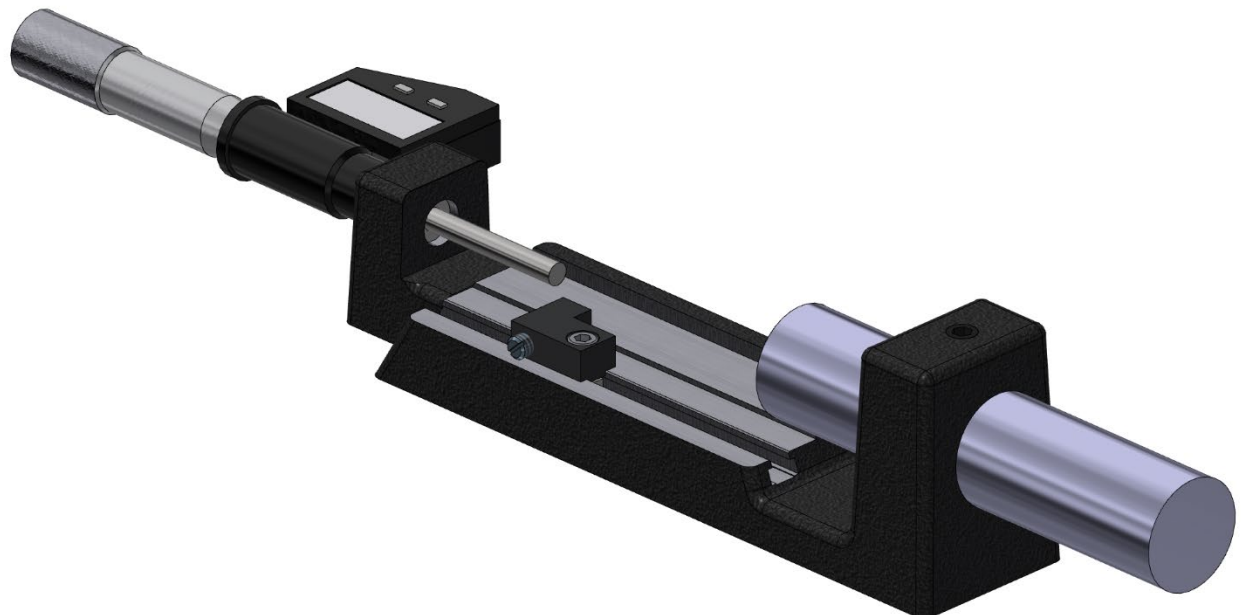


Micrometers

900-2-19 Tool Setting Micrometer, 1/2" Tooling



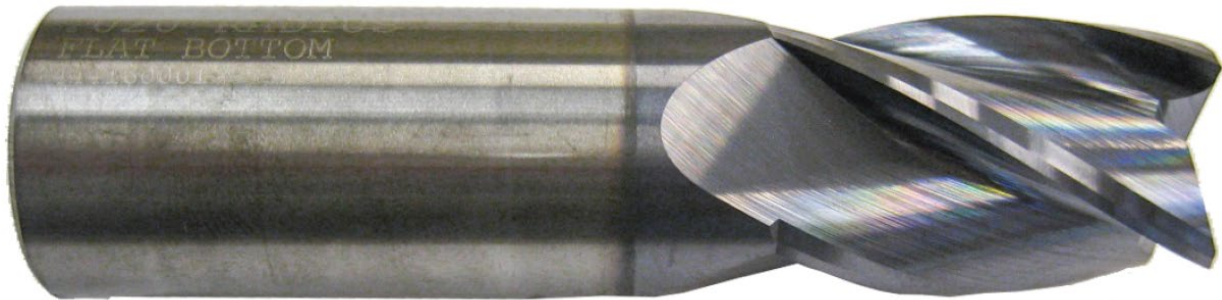
900-2-20 Tool Setting Micrometer, 3/4" Tooling



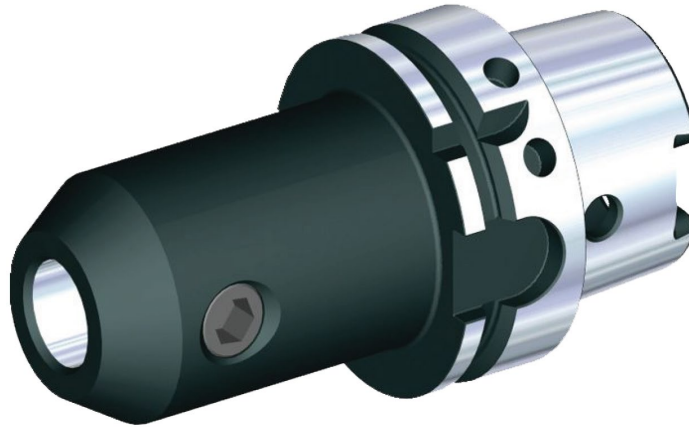
General Purpose Tooling

10121A Caterpillar 3400 Series Tappet Bore Repair Tooling Package



10124 Collet Kit**650-2-45G Carbide End Mill, 1" (25.4mm) Dia x 4.00" (101.4mm)****650-2-43F Four Fluted End Mill, 3/4" (19.05mm) x 4.00" (101.4mm)**

10113 Spindle Adapter for 1.0" (25.4mm) Diameter Shank Tooling



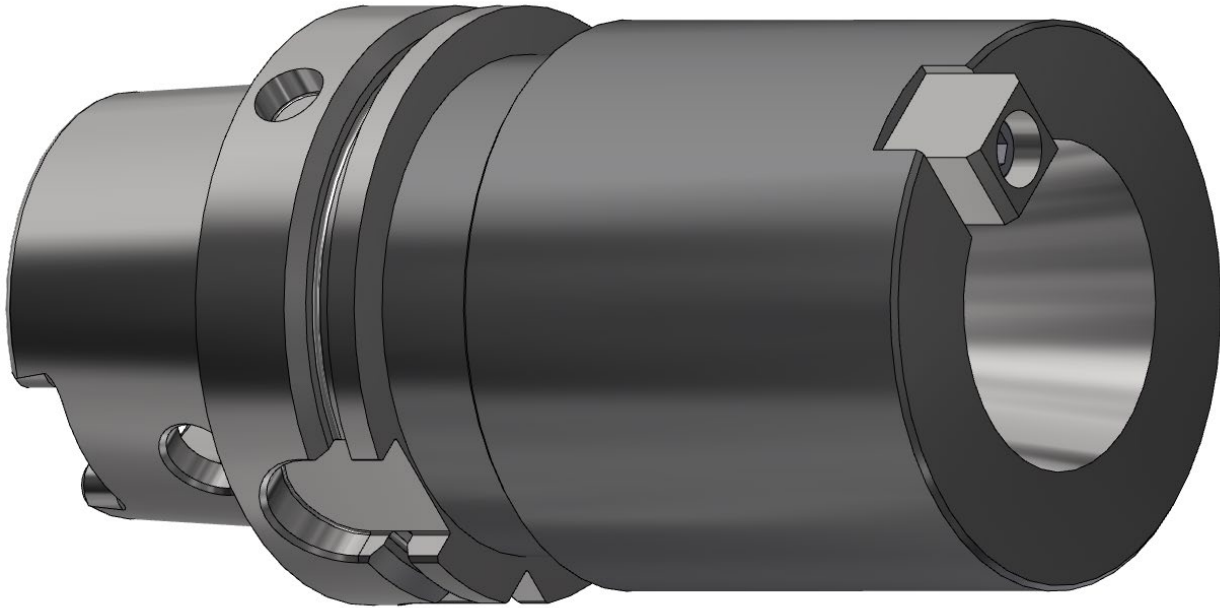
10113A Spindle Adapter for 0.75" (19.05mm) Diameter Shank Tooling



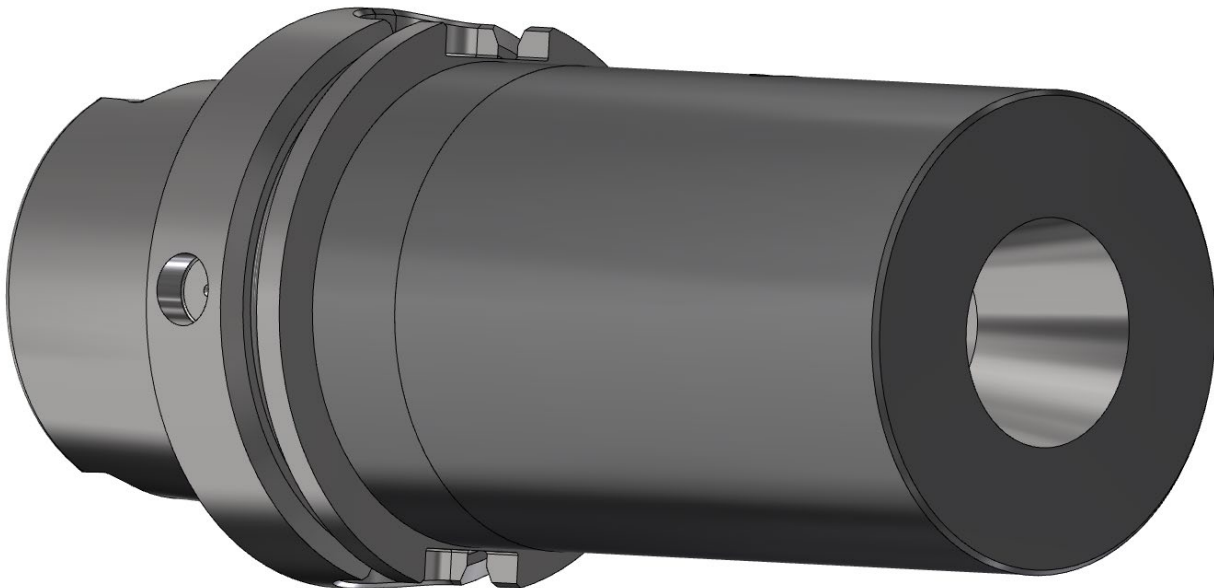
10125 Adapter, Blank



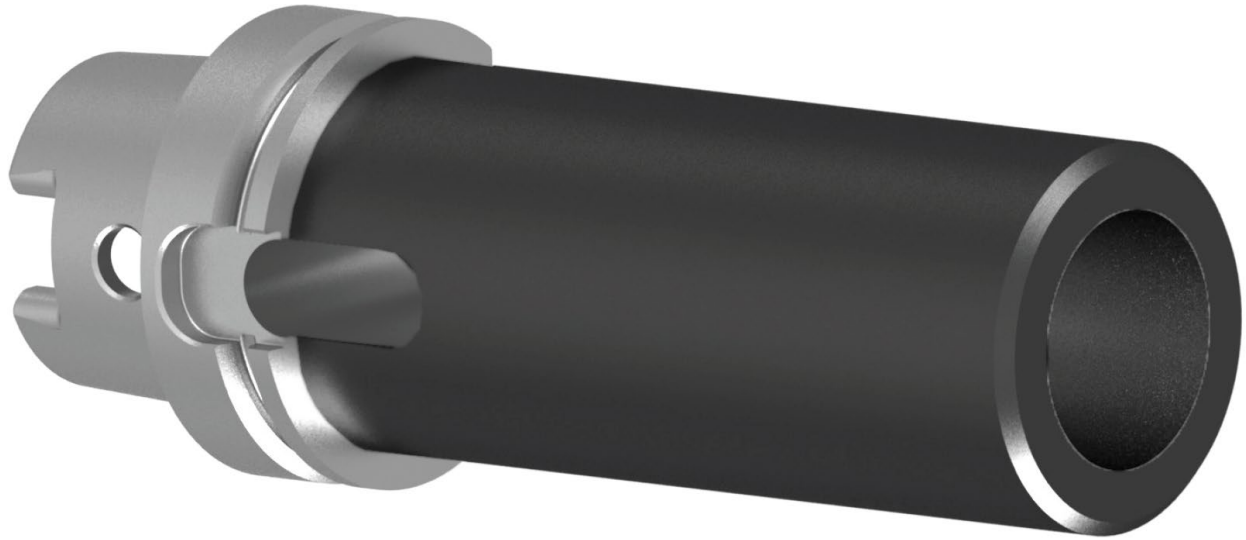
10126 CAT 40 Taper Adapter



10127 R8 Taper Adapter



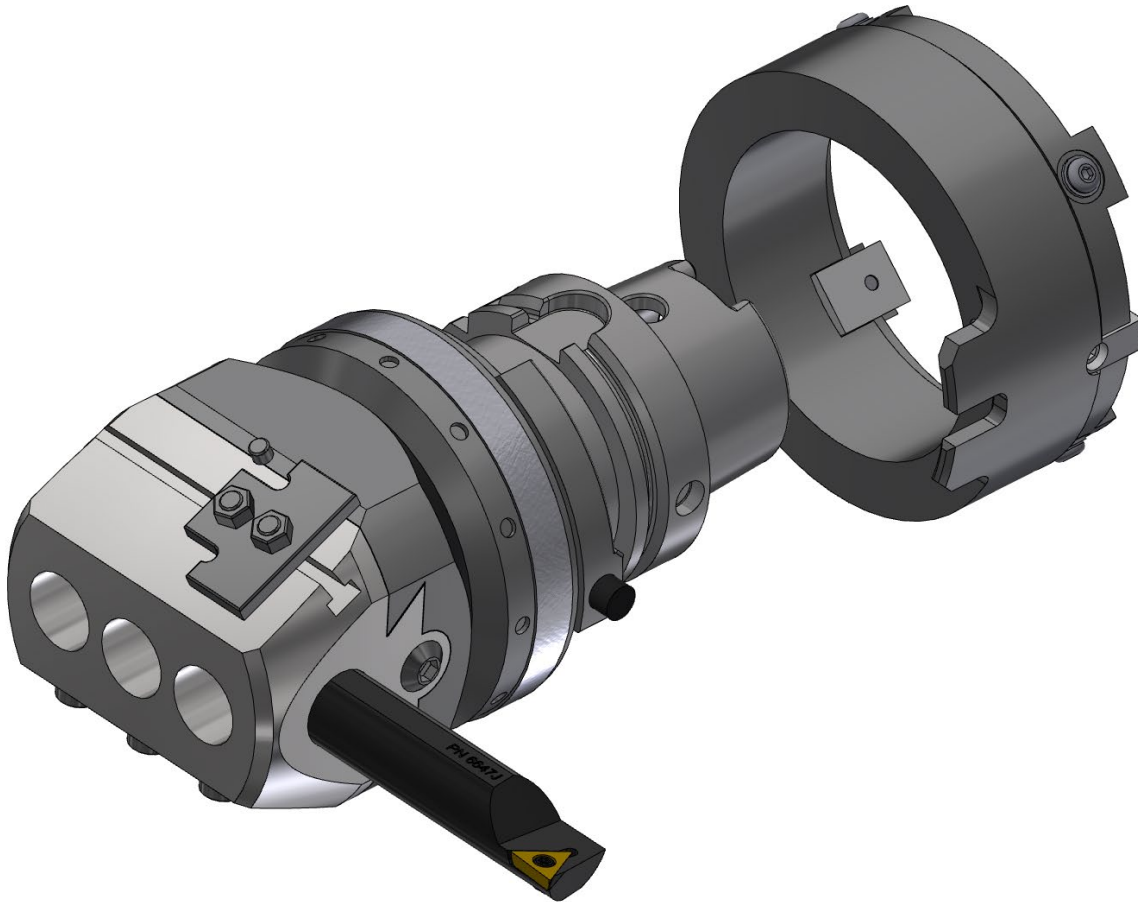
10128 #5 Morse Taper Adapter



10122 Small Precision Adjustable Boring Head Kit



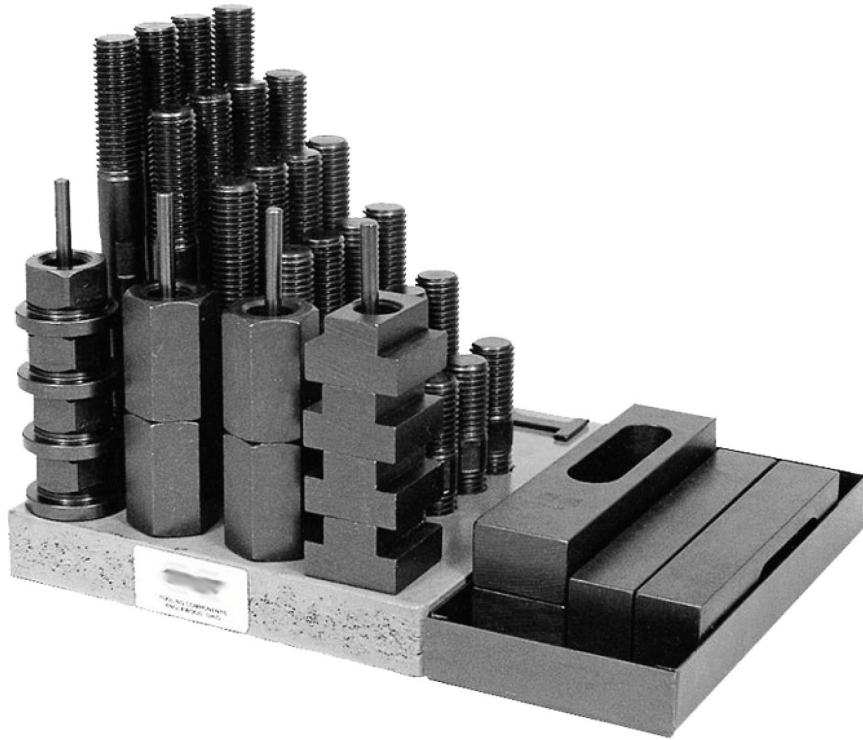
6900B Cross Feed Head Assembly



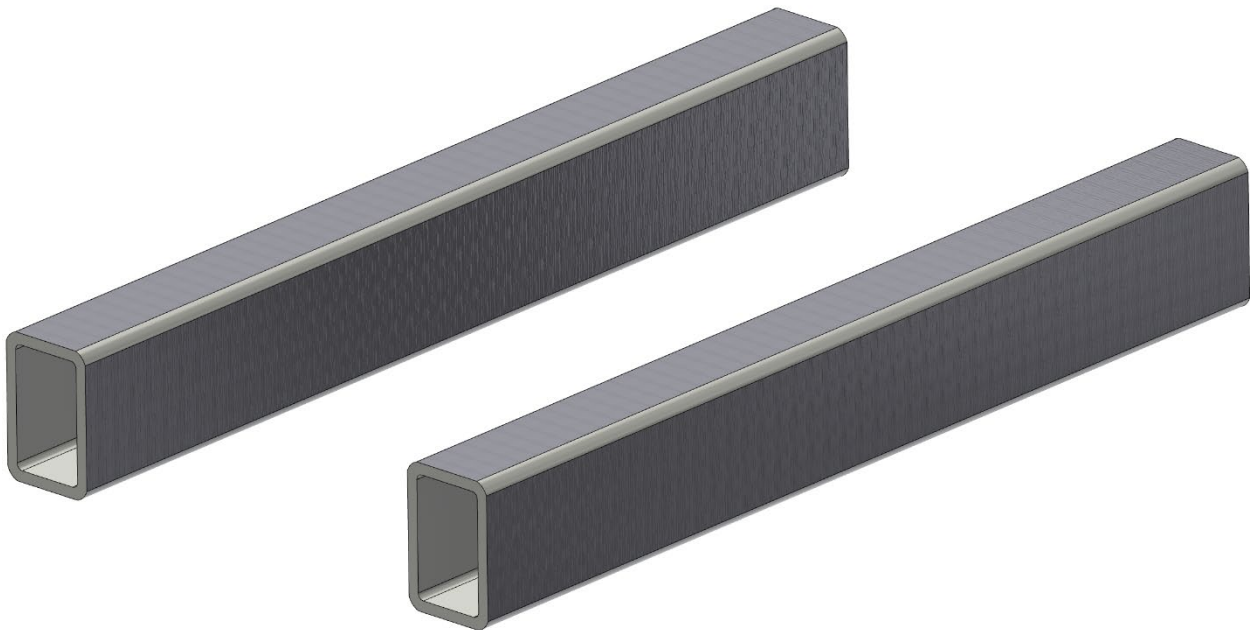
Fixturing

Parallels

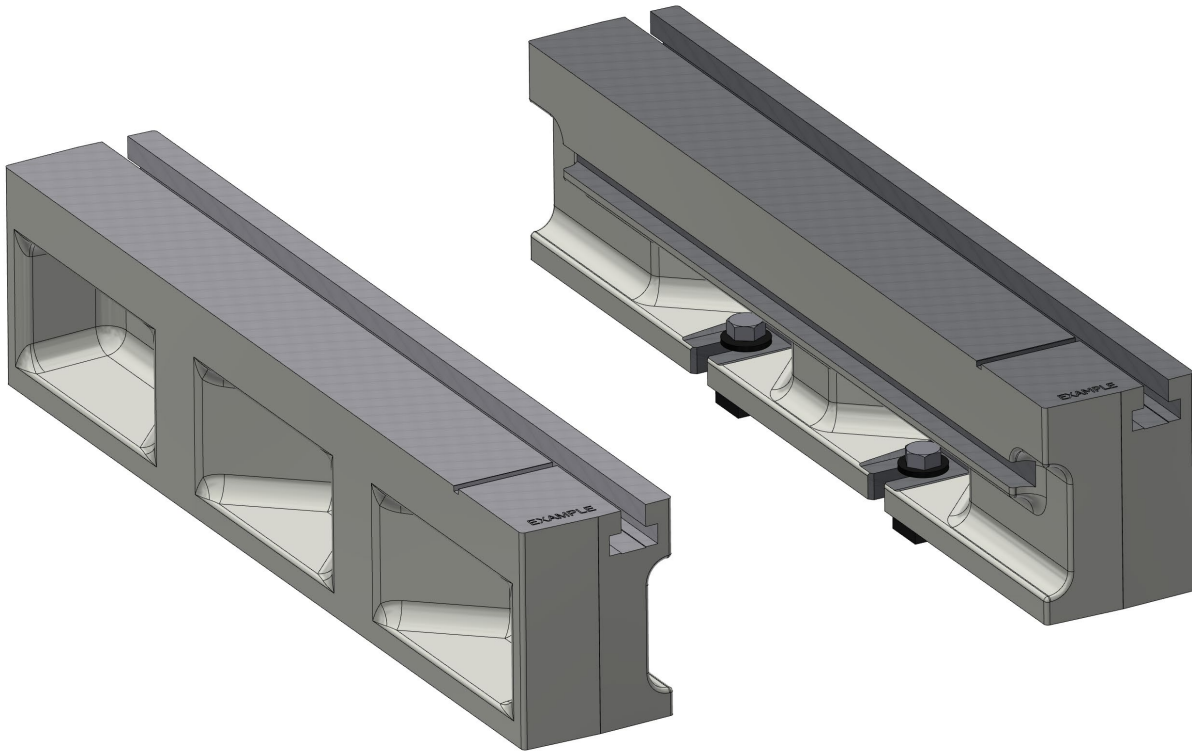
6511 3/4" (19.05mm) Clamp Kit



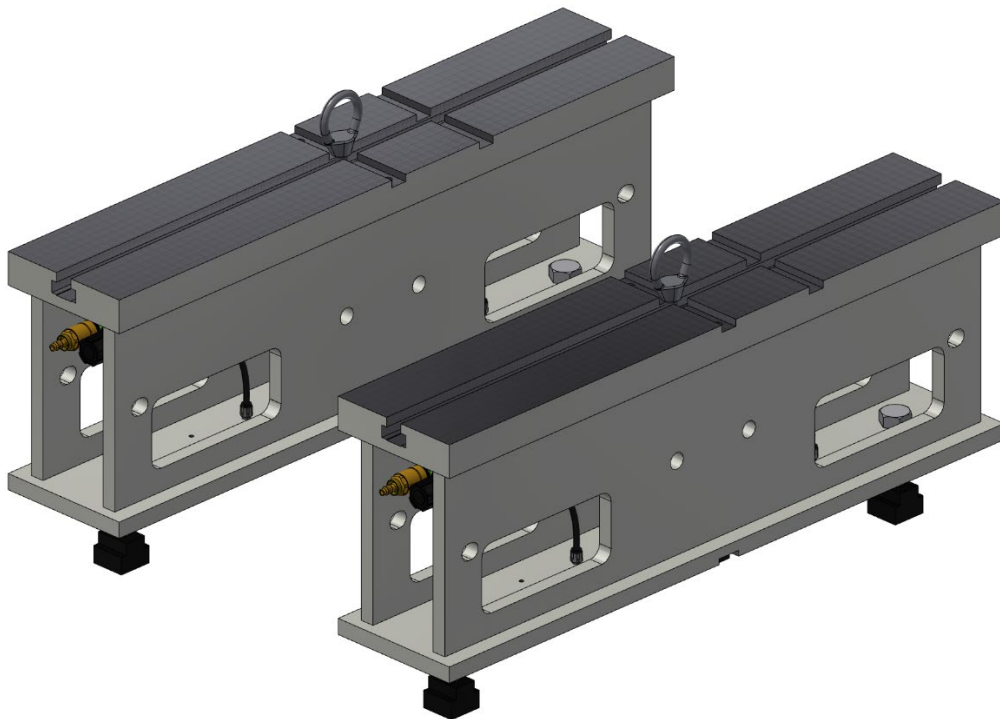
11115 Parallels, 2" x 3" (51mm x 76mm)



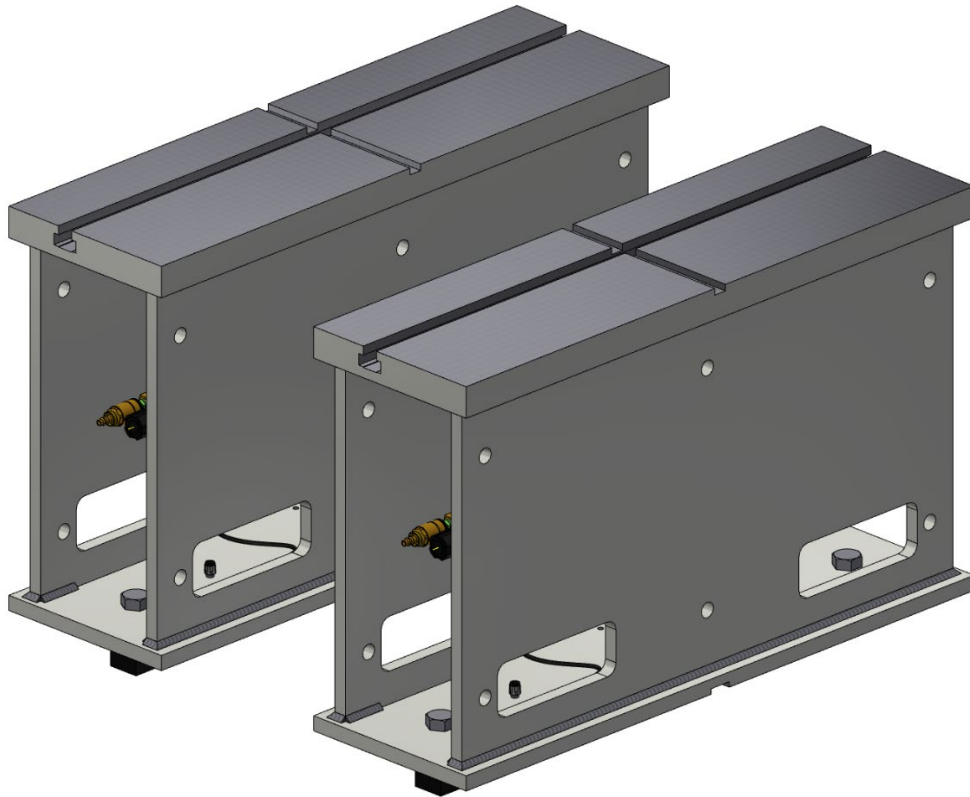
7219W Parallels, 5.2" (132mm)



6370Z Parallels, 10" (254mm)

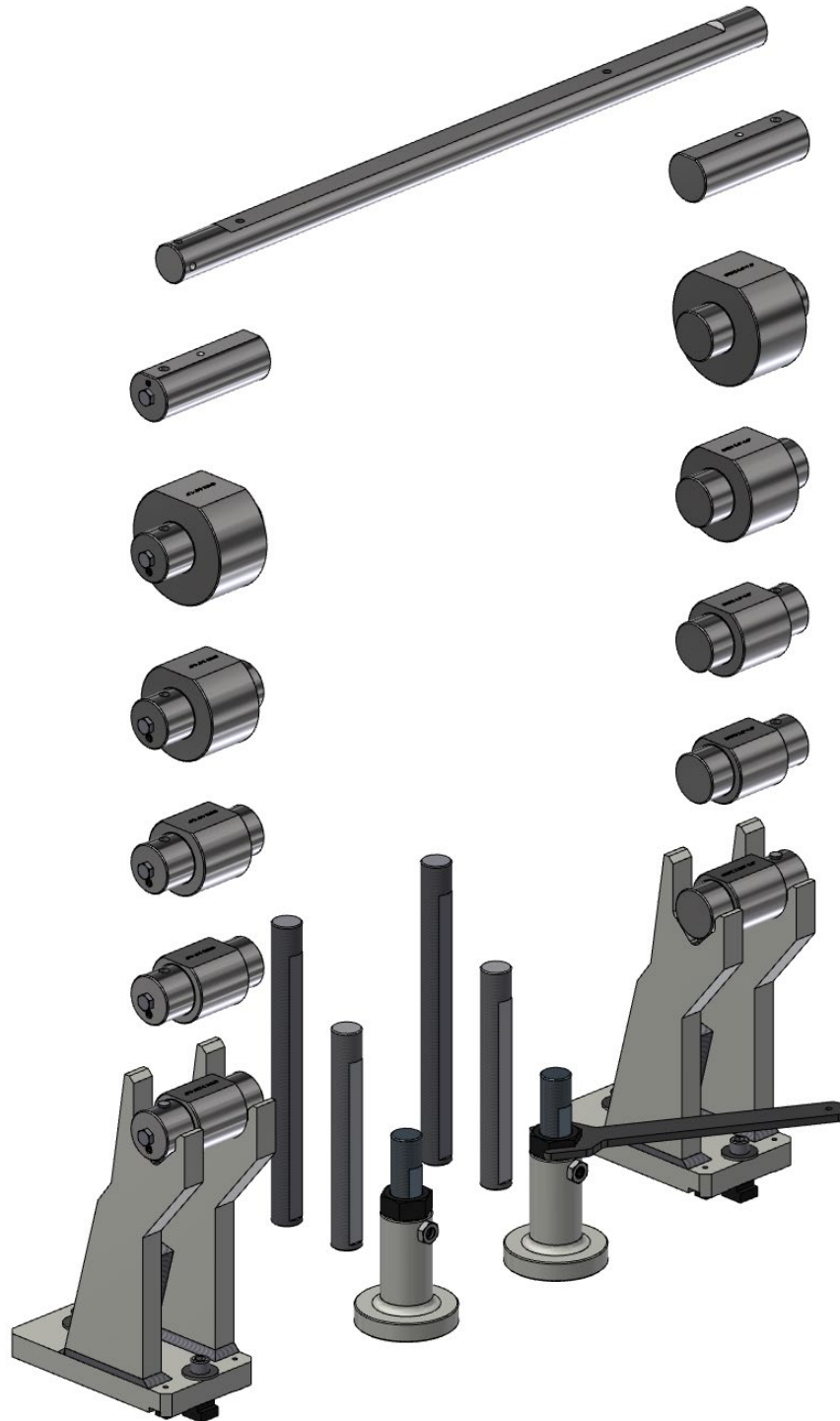


6370C Parallels, 18" (457mm)

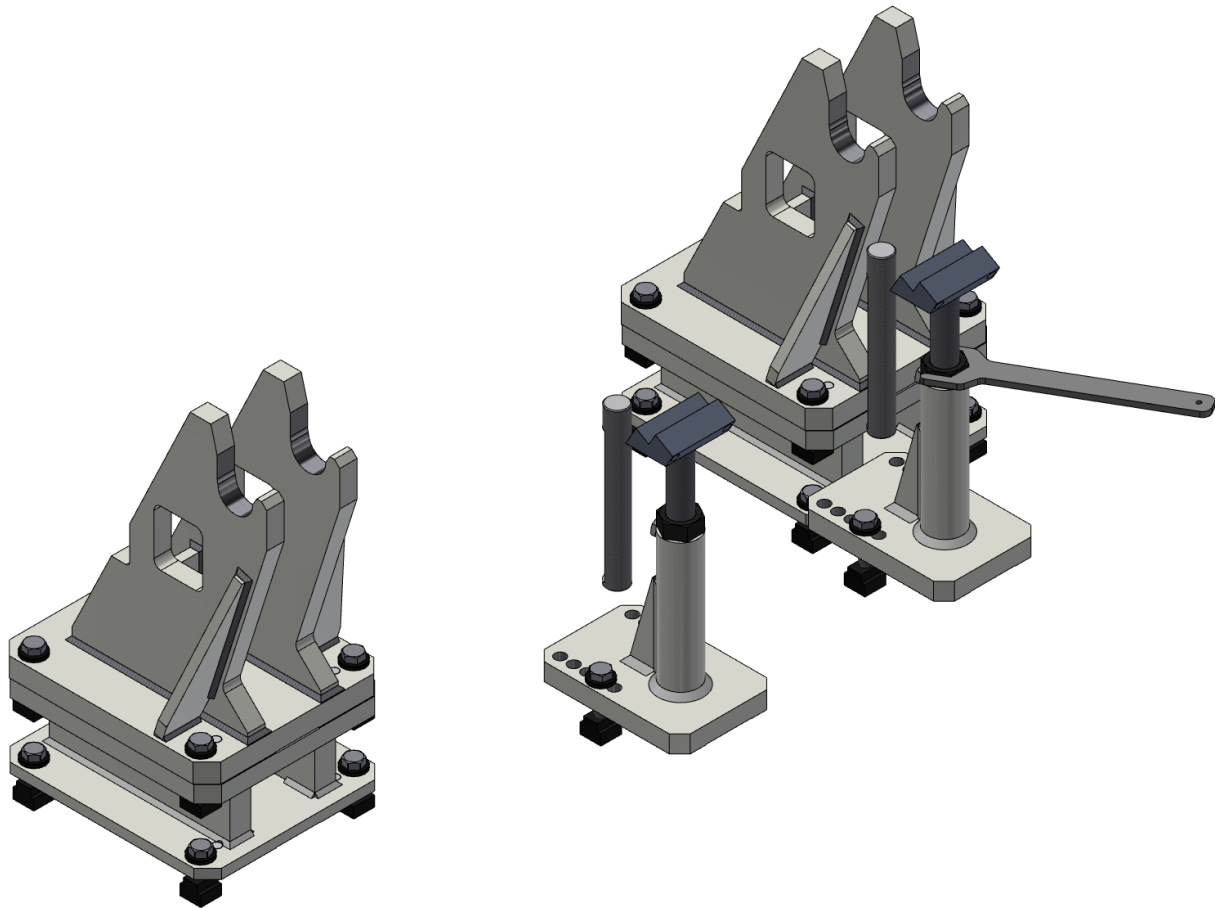


Main Bore Locating Fixtures

6725 Small- to Mid-Range In-Line and V-Block Fixture Kit, 2"-7" (50.8-177.8mm) Main Bearing Diameter



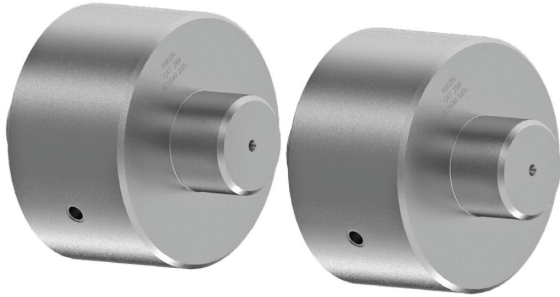
6405F Large V-Block Fixture Kit
(For use with 6407 series locators)



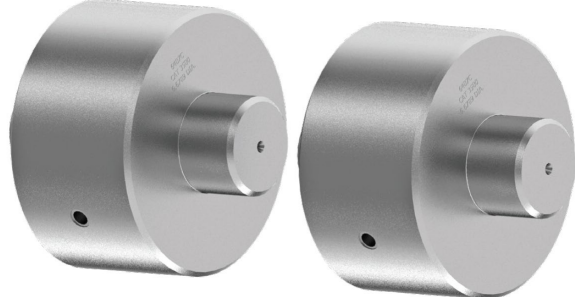
Main Bearing Bore Locator Sets for 6405F Block Fixture

If the Customer requires a size other than those available from stock, Rottler will manufacture the required size. Customer must provide the size, including the tolerance of the main bearing bore.

**6407A Locator Assembly, Main, CAT 399
(Matched Pair), 6.3690" (161.773mm) Dia.**



**6407C Locator Assembly, Main, CAT 3500
(Matched Pair), 6.6789" (169.644mm) Dia.**



**6407E Locator Assembly, Main, Cummins 170
(Matched Pair), 6.0920" (154.737mm) Dia.**



**6407G Locator Assembly, Main, Cummins K50
(Matched Pair), 6.8420" (173.787mm) Dia.**



**6407J Locator Assembly, Main, Cummins QSK
(Matched Pair), 7.5915" (192.824mm) Dia.**



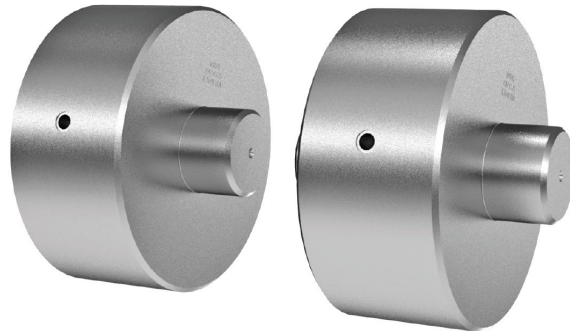
**6407L Locator Assembly, Main, Waukesha
7042 (Matched Pair), 6.6585" (169.126mm) Dia.**



**6407N Locator Assembly, Main, MTU 4000
(Matched Pair), 6.7292" (170.922mm) Dia.**



**6407Q Locator Assembly, Main, CAT C175
(Matched Pair), 8.2640" (209.906mm) Dia.**



**6407S Locator Assembly, Main, (Matched Pair),
5.1113" (129.827mm) Dia.**



**6407U Locator Assembly, Main, (Matched Pair),
5.1373" (130.487mm) Dia.**



**6407W Locator Assembly, Main, MTU 396
(Matched Pair), 5.9010" (149.885mm) Dia.**

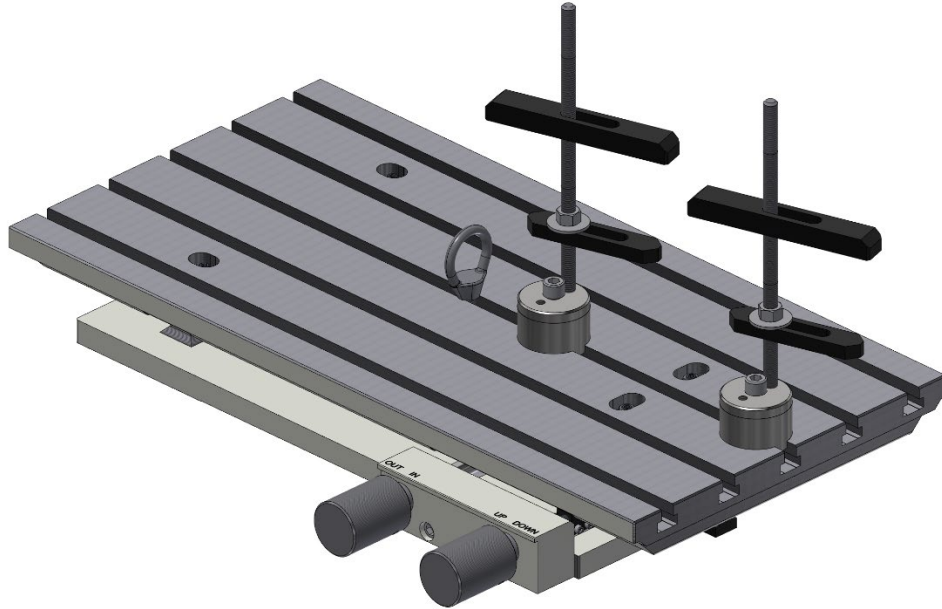


**6419 Locator Assembly, Main, Jenbacher 3,
(Matched Pair), 4.2095" (106.921mm) Dia.**

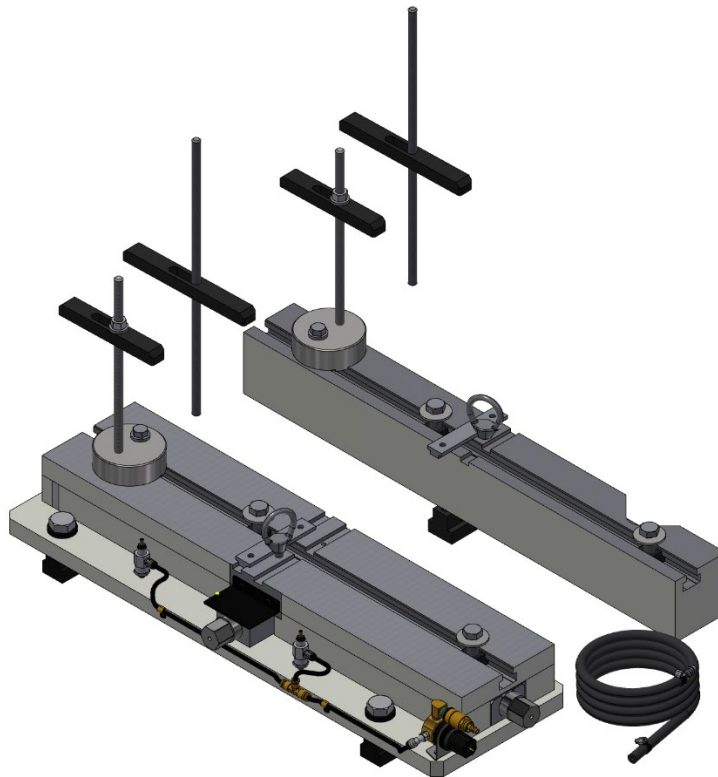


Line Bore Fixturing

650-3-56 Line Bore Pivot Table Fixture Kit



6821 Adjustable Universal Line Boring Fixture Kit



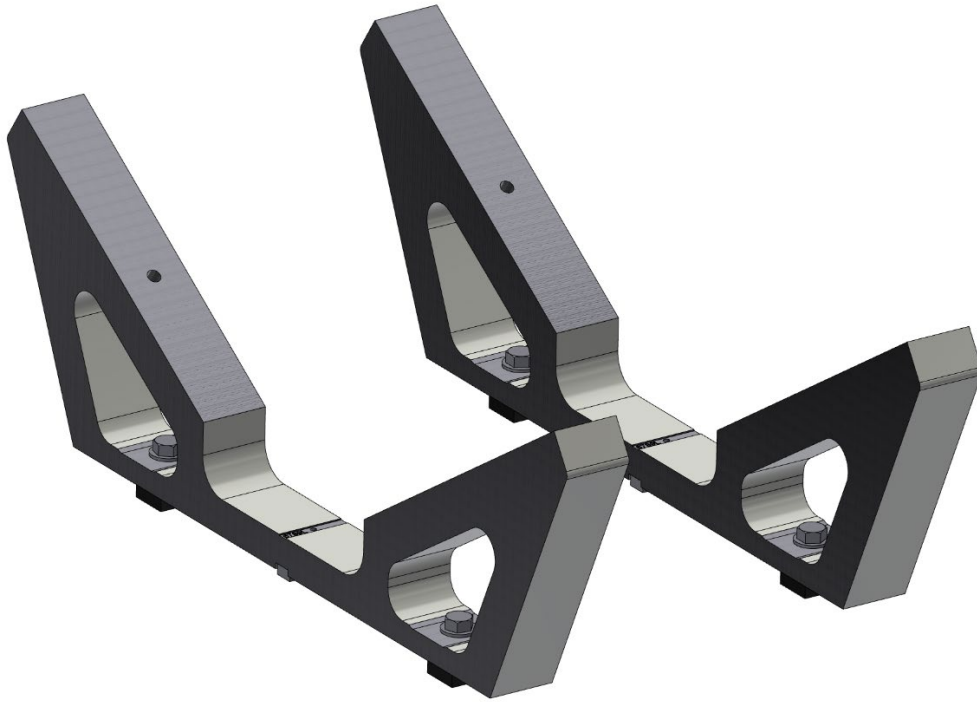
6843 90° V-Block Support Kit, Small Blocks



6823E 90° V-Block Support Kit, Large Blocks



6789L 113° V-Block Support Kit



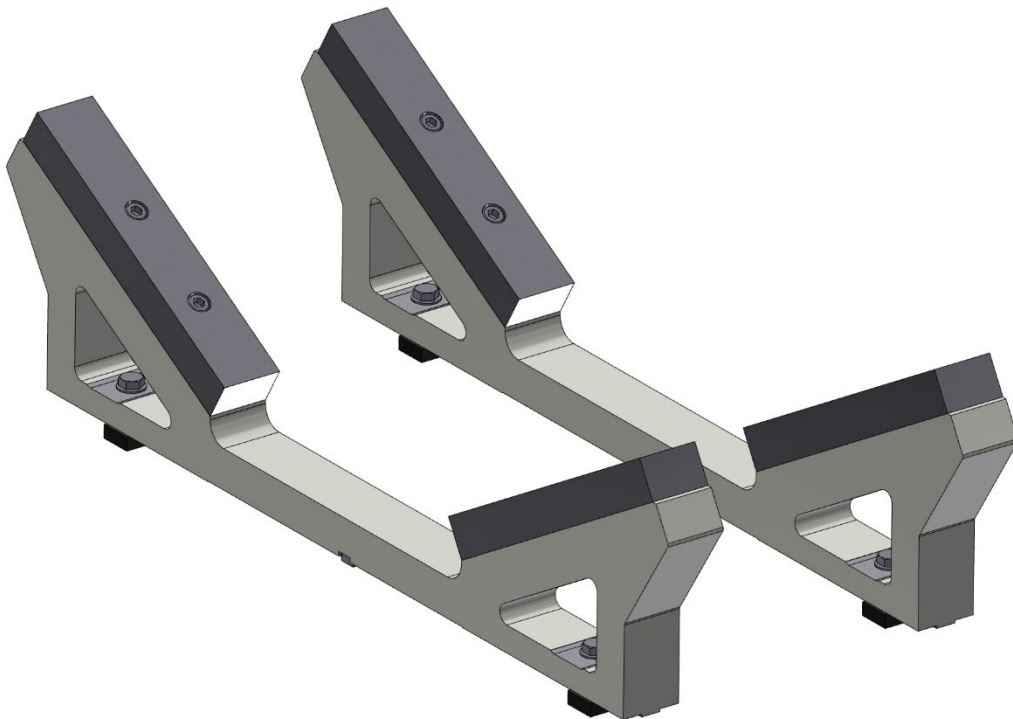
6789N 116° V-Block Support Kit



6789E 115° V-Block Support Kit



6823B 120° V-Block Support Kit



6789K 130° V-Block Support Kit

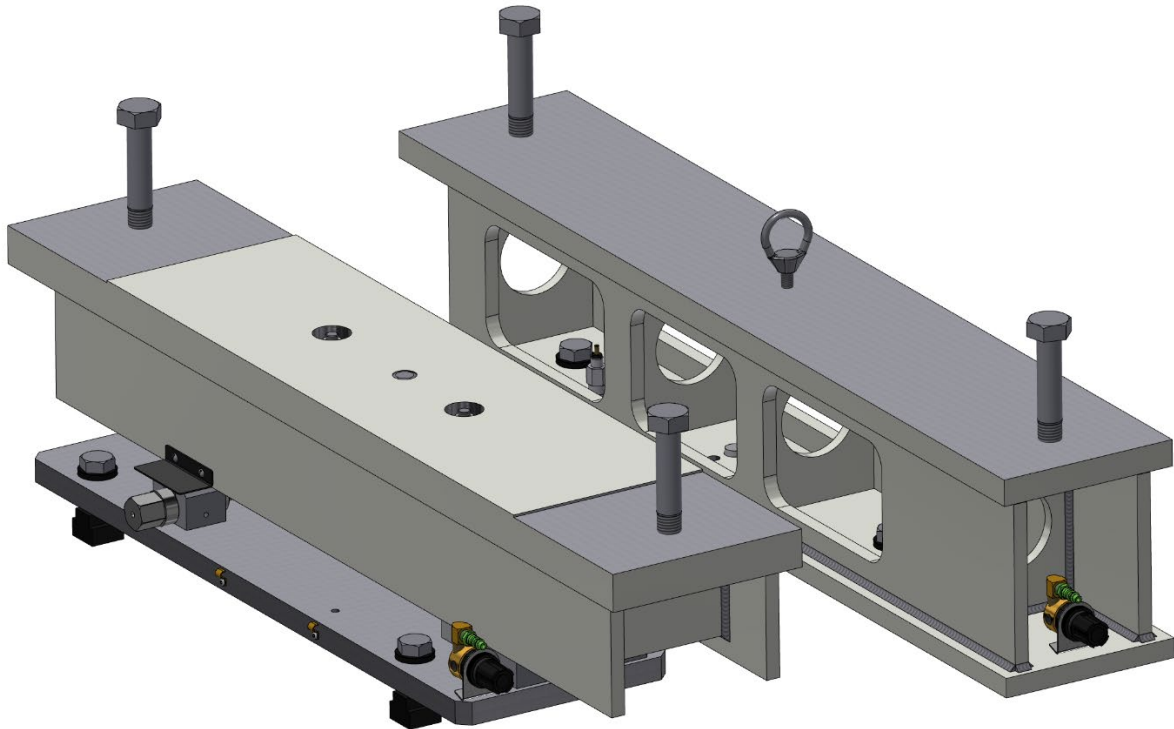
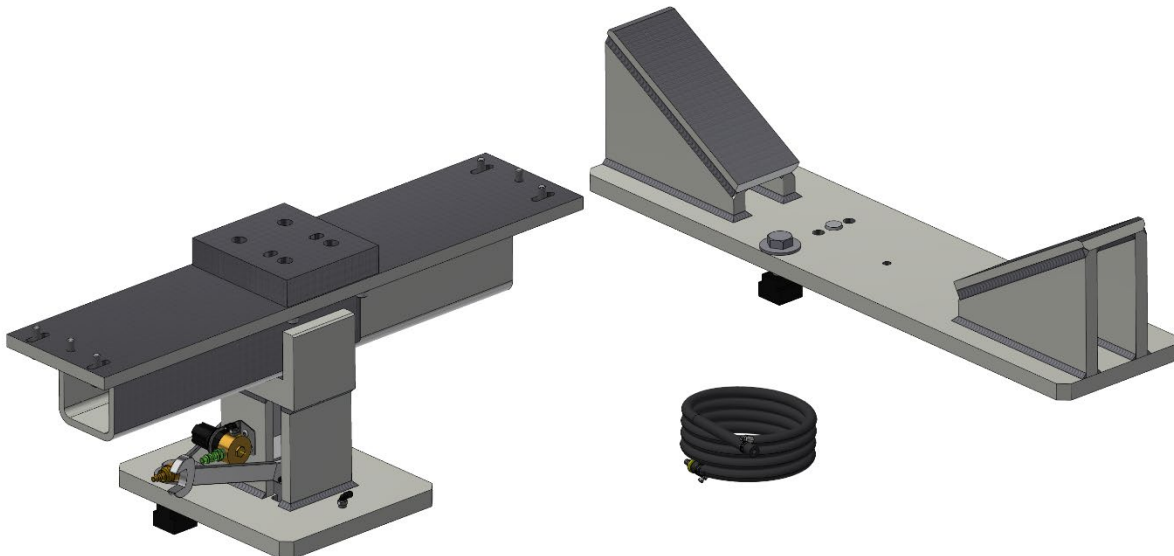


6789Q 140° V-Block Support Kit



6789T 110° V-Block Support Kit



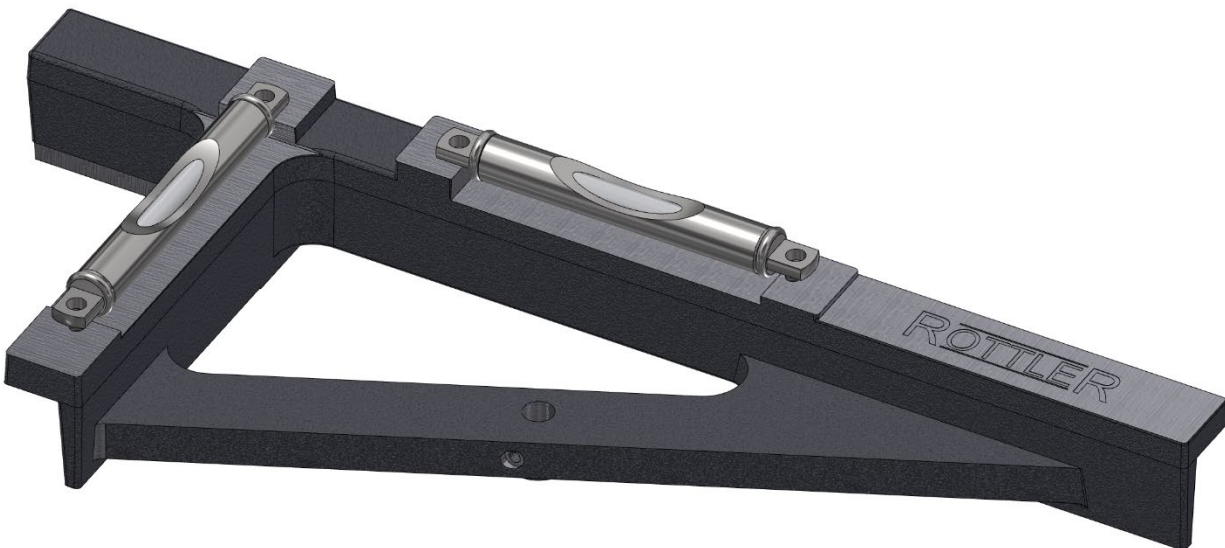
6846 White Superior 12 & 16 G825 Line Boring Fixture Kit**6810 Waukesha 7042, 9390 and CAT 379, 398, 399 Line Boring Fixture Kit**

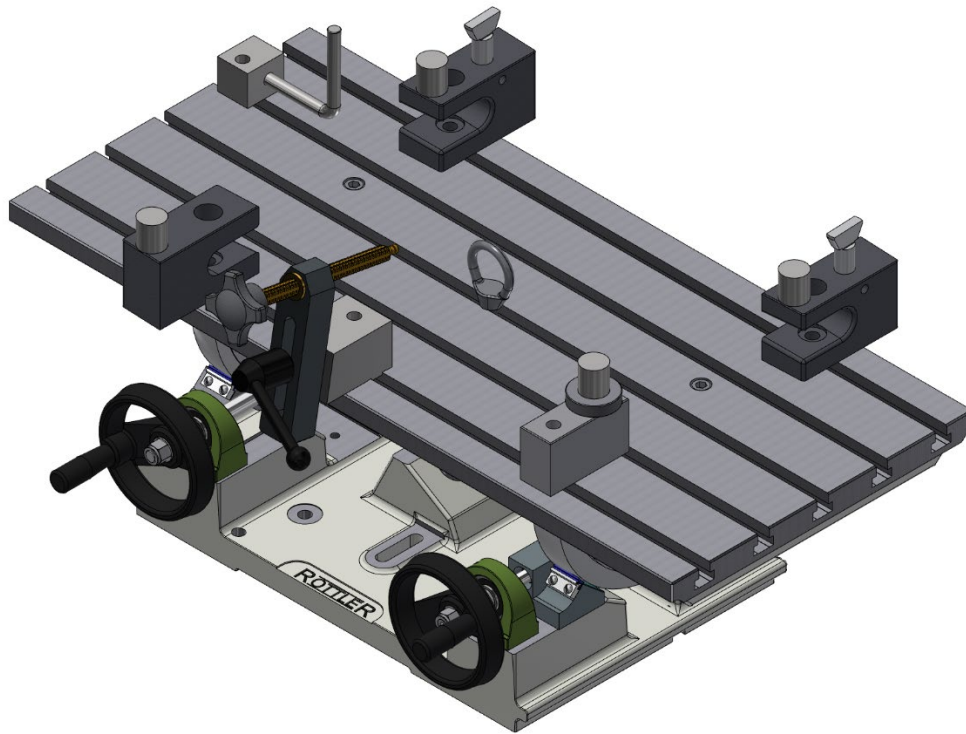
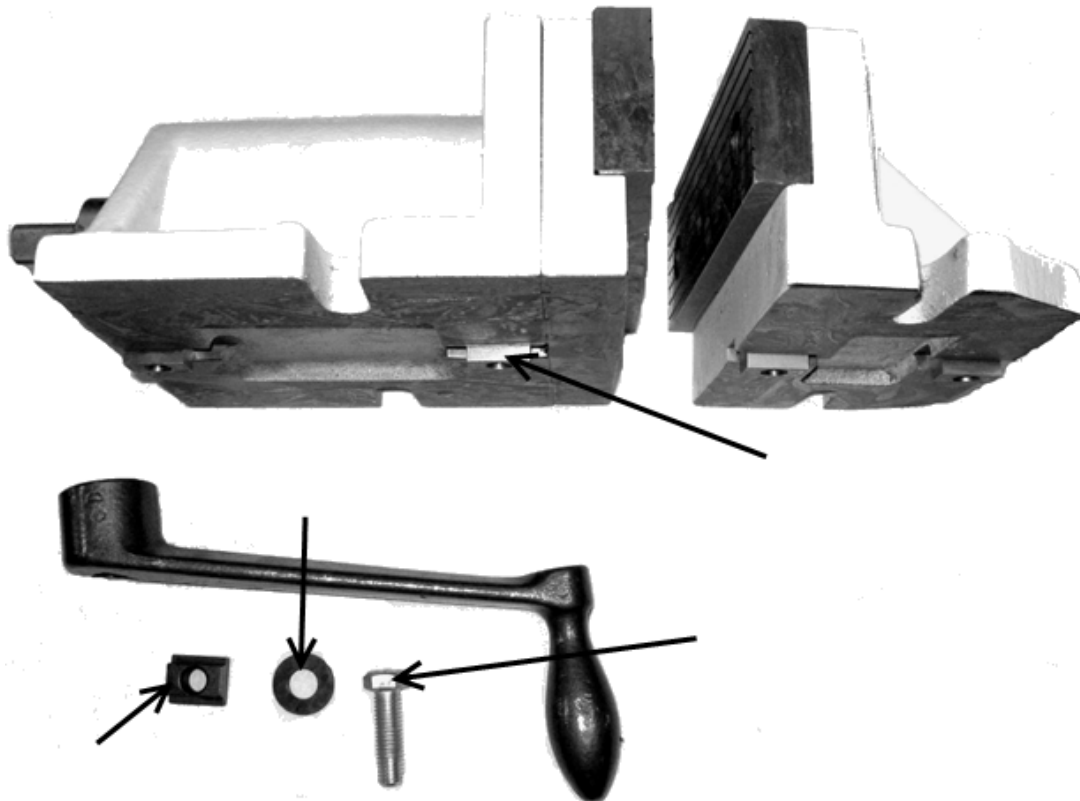
Miscellaneous Fixtures/Accessories

6309N Tower Type Block Hold-down Clamp Kit

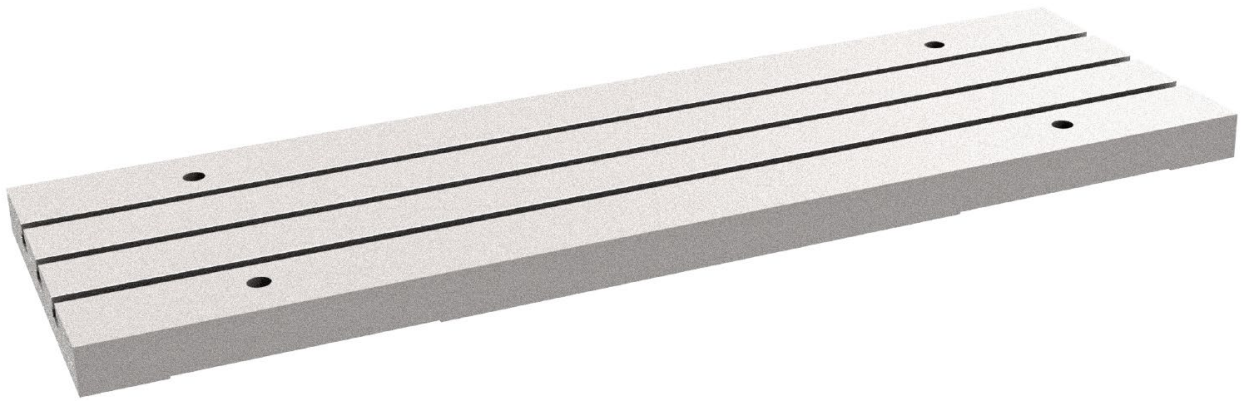


7152A Dual Axis Level

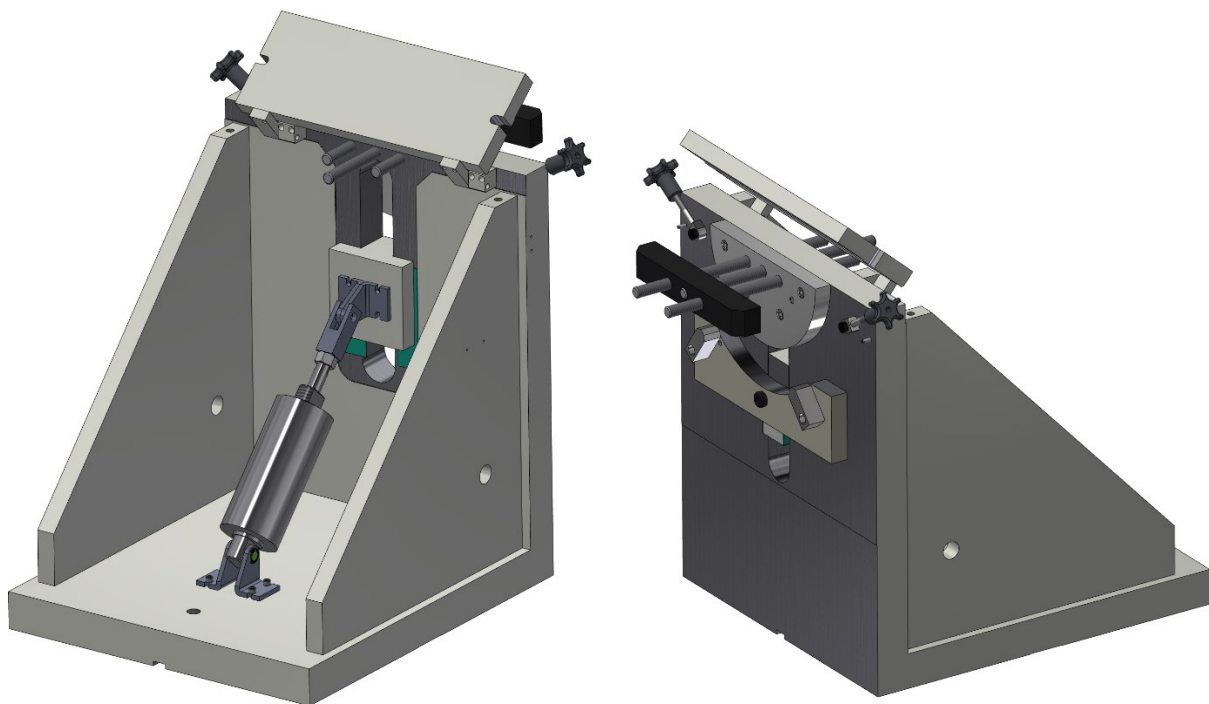


7209M Dual Axis Leveling Table**7209N 2-Piece Vise**

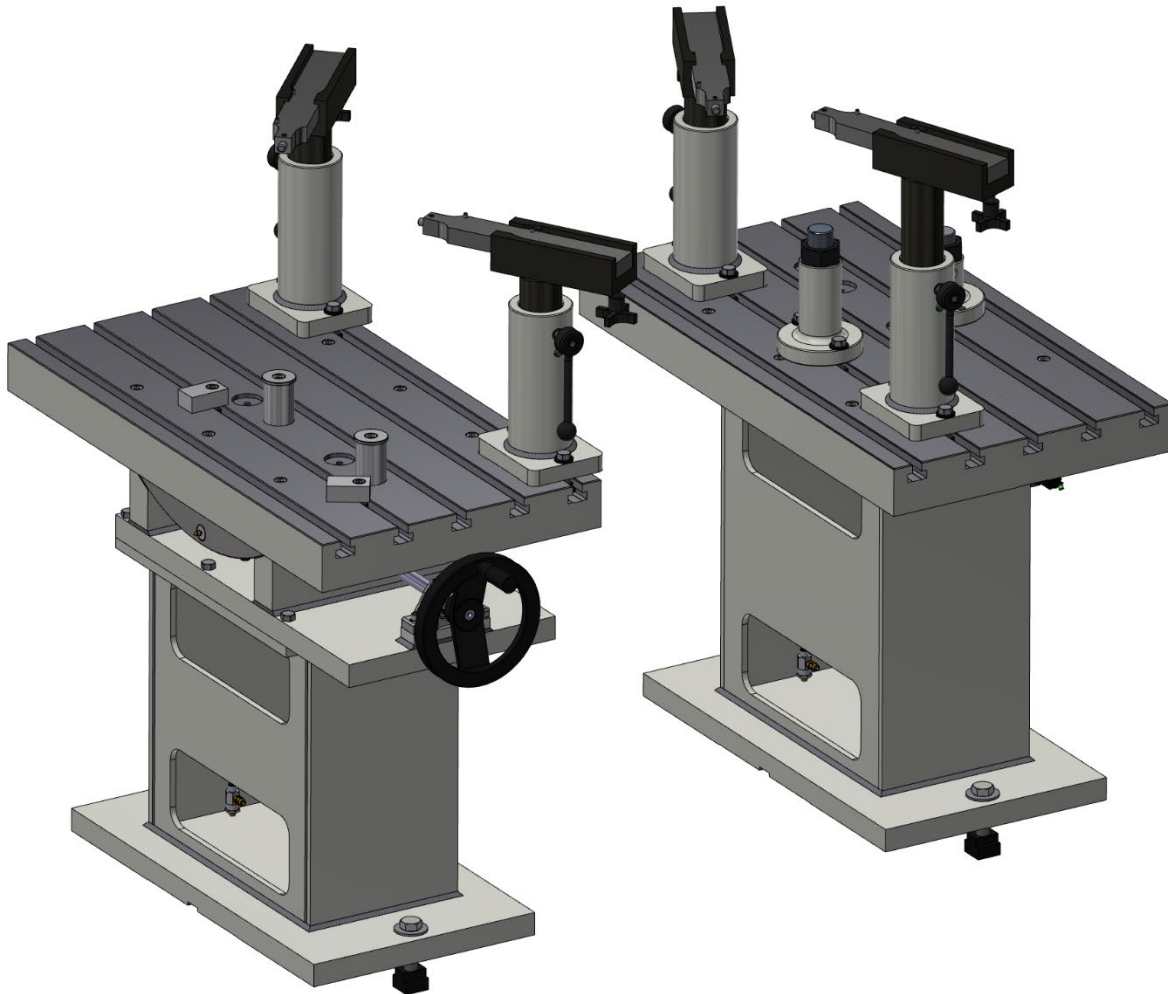
9111A T-Slot Plate for F60 Model Fixtures



650-3-66 Compressor Conrod Cap Surfacing Fixture Kit

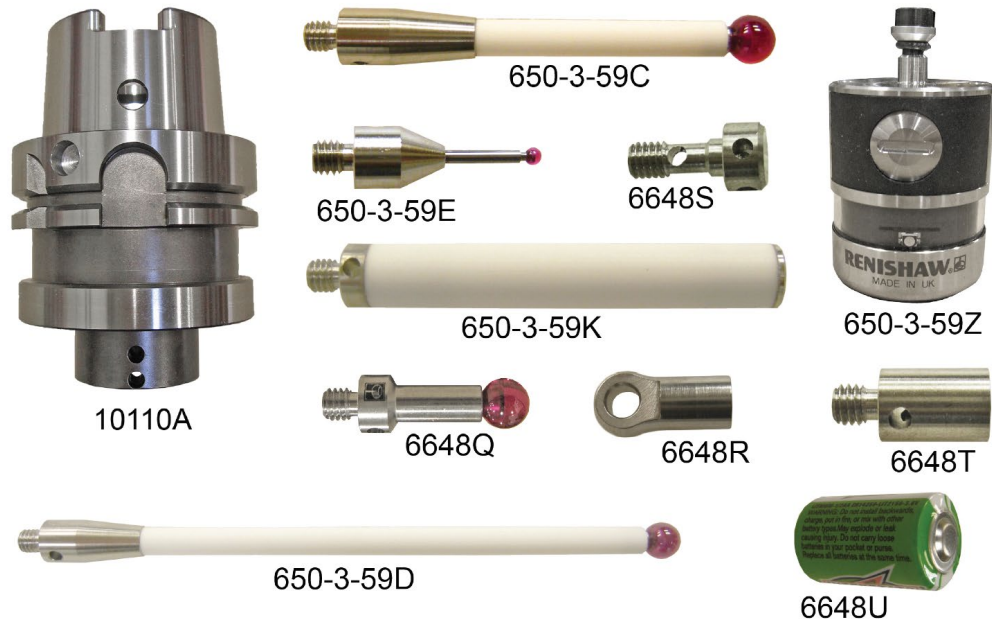


6870 Precision Large Connecting Rod Fixture Kit

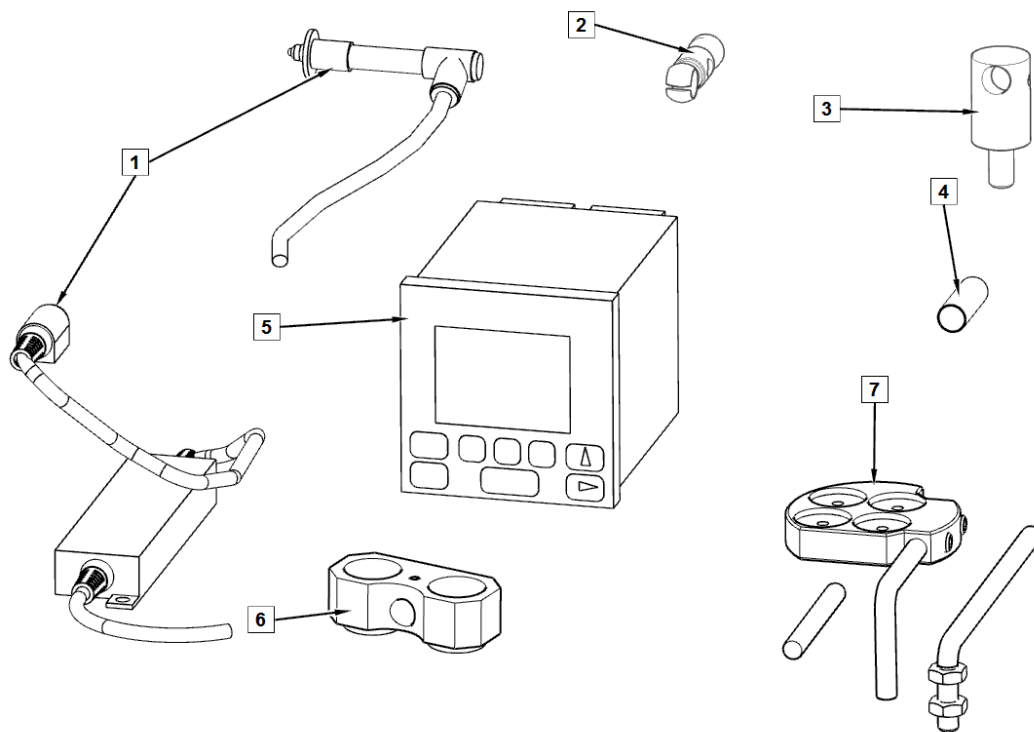


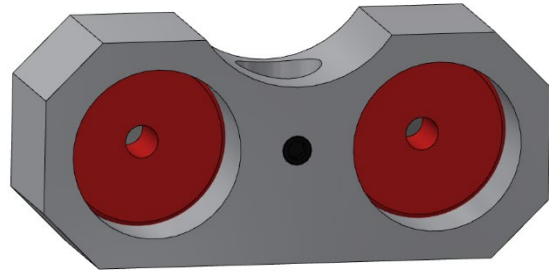
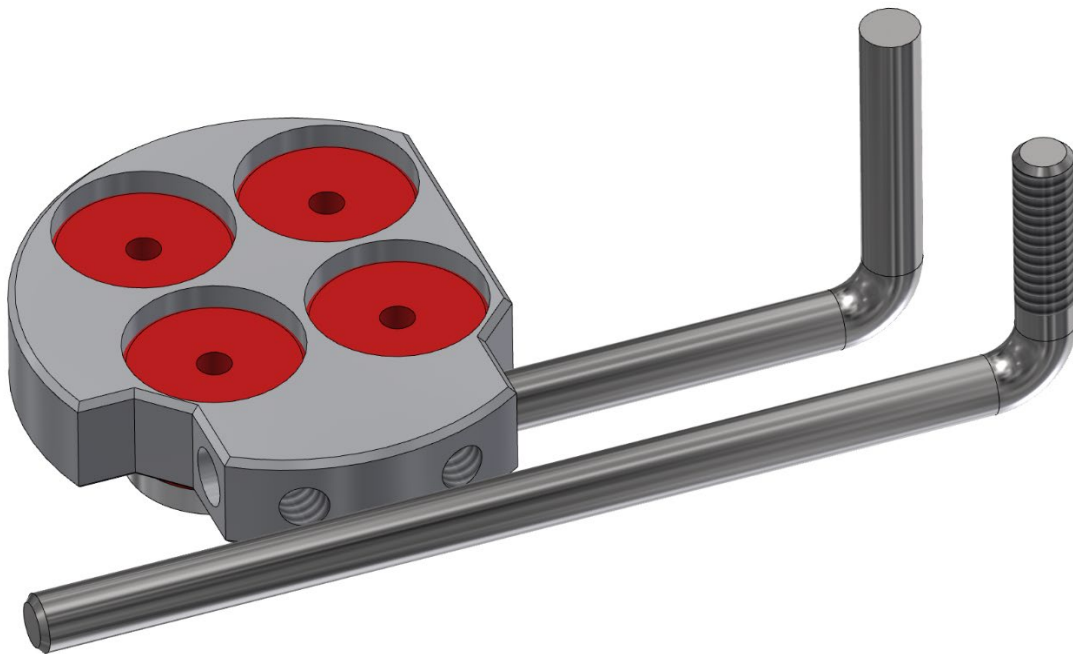
Auxiliary Equipment

10110 Renishaw Wireless Radio Probing System Kit

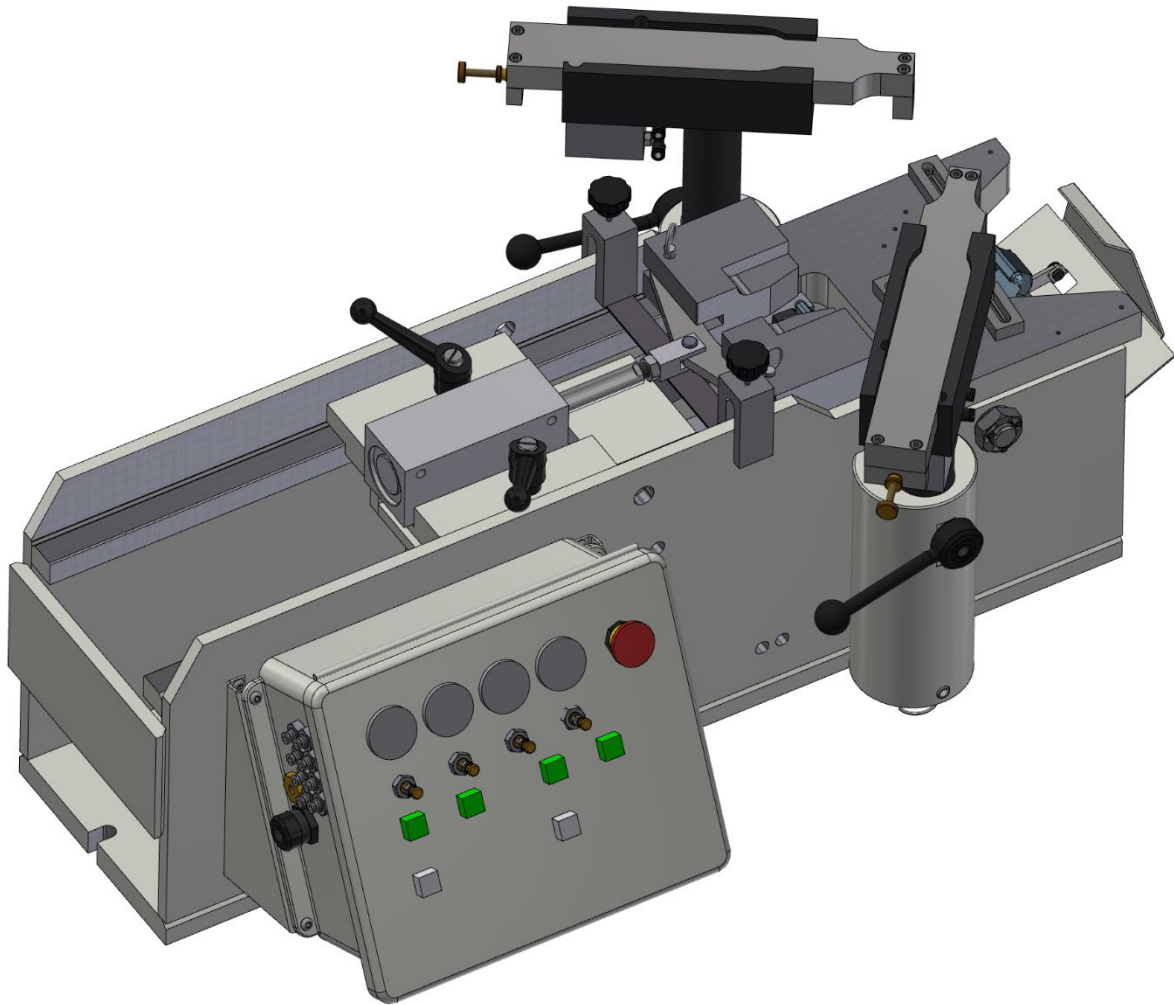


502-12-7B Digital Runout Probe and Readout Kit

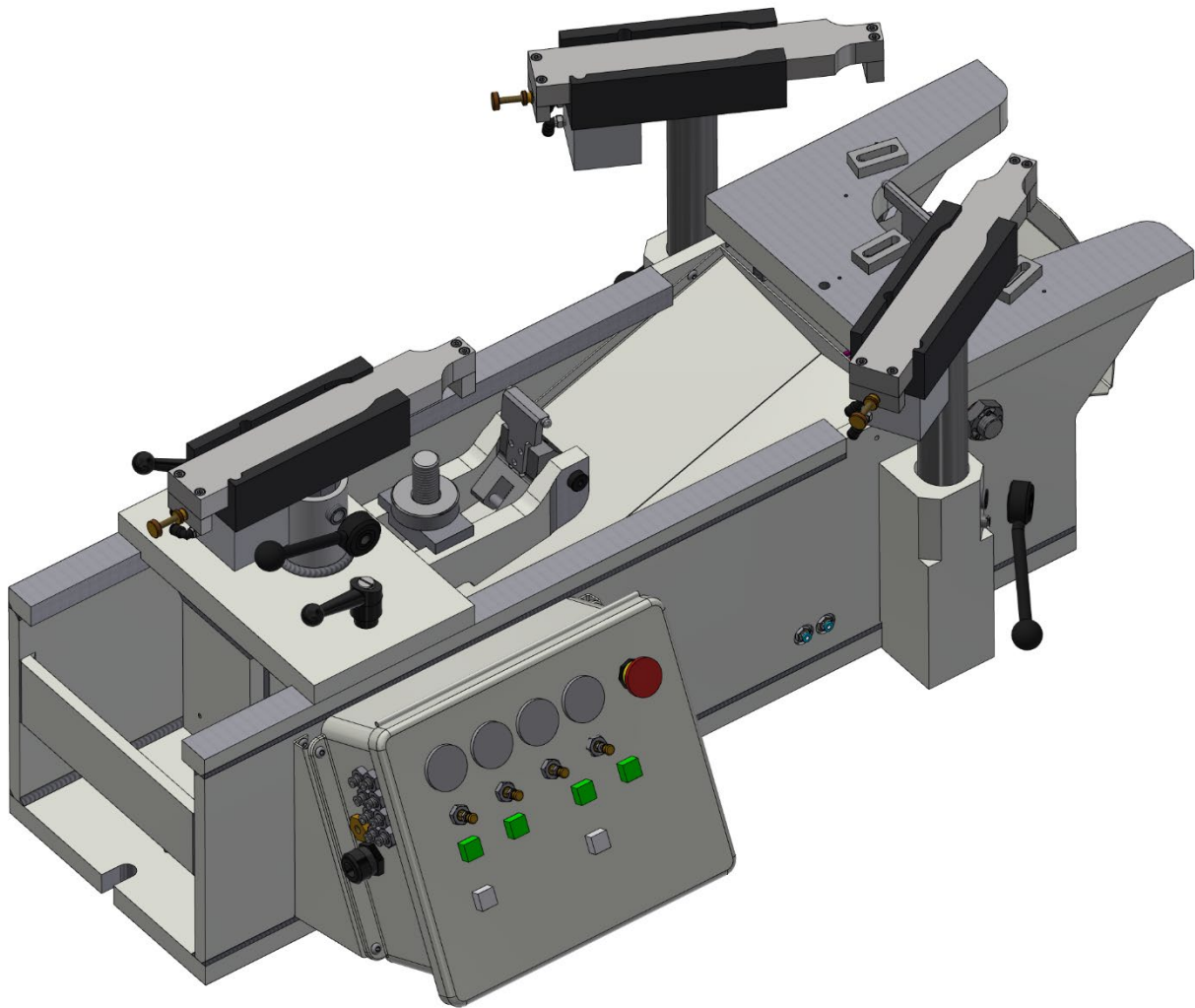


502-9-9A Mechanical Runout Indicator, Inch**502-9-9J Mechanical Runout Indicator, Metric****502-9-9S Indicator Mount****502-12-4A Magnetic Indicator Holder****502-12-4 General Purpose Magnetic Indicator Holder**

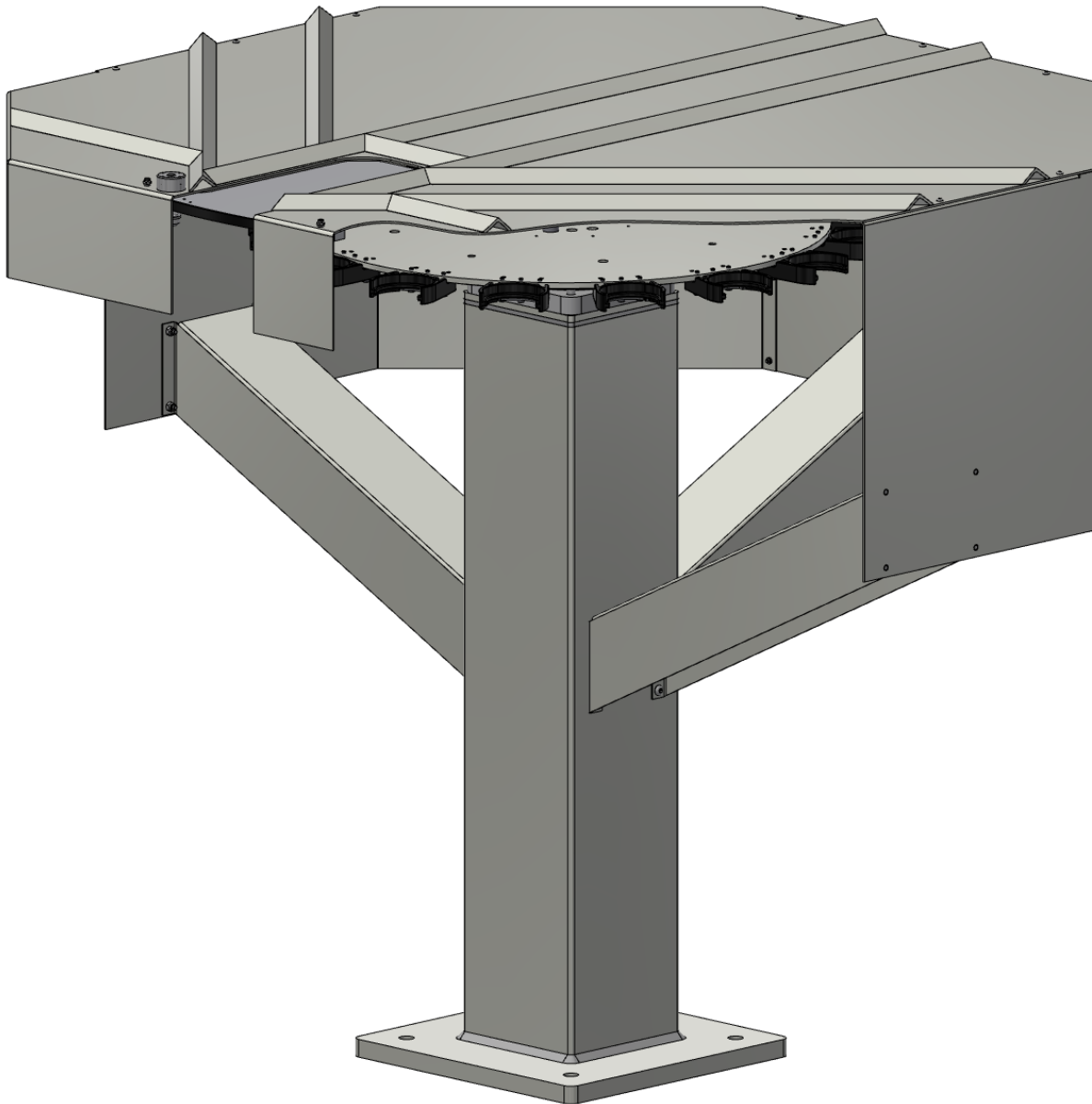
650-3-44R Precision Connecting Rod Fixturing System
For 8-24" (203-610mm) Long Rods



650-3-64 Heavy Duty Precision Connecting Rod Fixturing System
For large blocks, such as CAT 3500, Waukesha 7042, White Superior 825



9116 Automatic Rotary Tool Changer



9234 EM105 Safety Enclosure

