



EM107H / EM109H 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 don't 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. Send e-mail requests to:
parts@rottlermfg.com or intlparts@rottlermfg.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

EM107H / EM109H OPTIONAL EQUIPMENT CATALOG

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Optional Equipment

Electrical Power Requirements

EM100 machines require 205-250V, 60A, 50/60hZ, 3 phase power supply. If the voltage at place of installation is above or below this range, a transformer is required.

Suggested Hold Down Anchor System

9203Q Hold Down Anchor Kit for EM109 Machine Installation.

Conversational Touch Screen Software Packages

For Programmable Automated Engine Rebuilding Machine Work
Contact your Rottler representative or the factory concerning this option.

9040 Boring and Sleeving Software

Including: (1) Circular Interpolation Counterbore Finishing for Corner Radius Undercut and Facing Very Wide Counterbores (2) Lower Offset for Boring Larger Diameters Commonly Found When Resleeving Lower Seal Areas of Wet Liner

Contact your Rottler representative or the factory concerning this option.

9041 Surfacing Software

Including Multiple Pass Programmable Depth of Cuts Including Different Settings for Rough and Finish Milling/Surfacing
Contact your Rottler representative or the factory concerning this option.

9042 Line Boring Software

Including Circular Interpolation for Thrust Facing
Contact your Rottler representative or the factory concerning this option.

9046 Lifter Bore Machining Software

Contact your Rottler representative or the factory concerning this option.

9044 Connecting Rod Boring Software

Contact your Rottler representative or the factory concerning this option.

9063 Software package

For machining lower chamfers and facing counter bores, requires radial feeding adjustable cutterhead such as 6835 or 6757Z.

Rottler Path & 4C Software Options

RPATH-4C

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.

When Rottler Path is purchased together with a new machine, there are 2 versions of introductory training available.

1. One Day introductory software tutorial at place of machine installation during the installation process.
2. Three Day introductory training course at Rottler factory. Additional training on Rottler Path after the above training is provided through instructional videos at www.RottlerTube.com or by Internet and/or telephone support, hourly charges apply.

RPATH-RL-INTRO

One day introduction tutorial on Rottler PATH software at place of machine installation during the installation process. Customers must have purchased #RPATH Rottler Path Software package before undergoing this tutorial. Full details of costs and conditions is available from the Rottler Service Department .

Contact Rottler Service for Software Upgrades Compatibility and Availability.

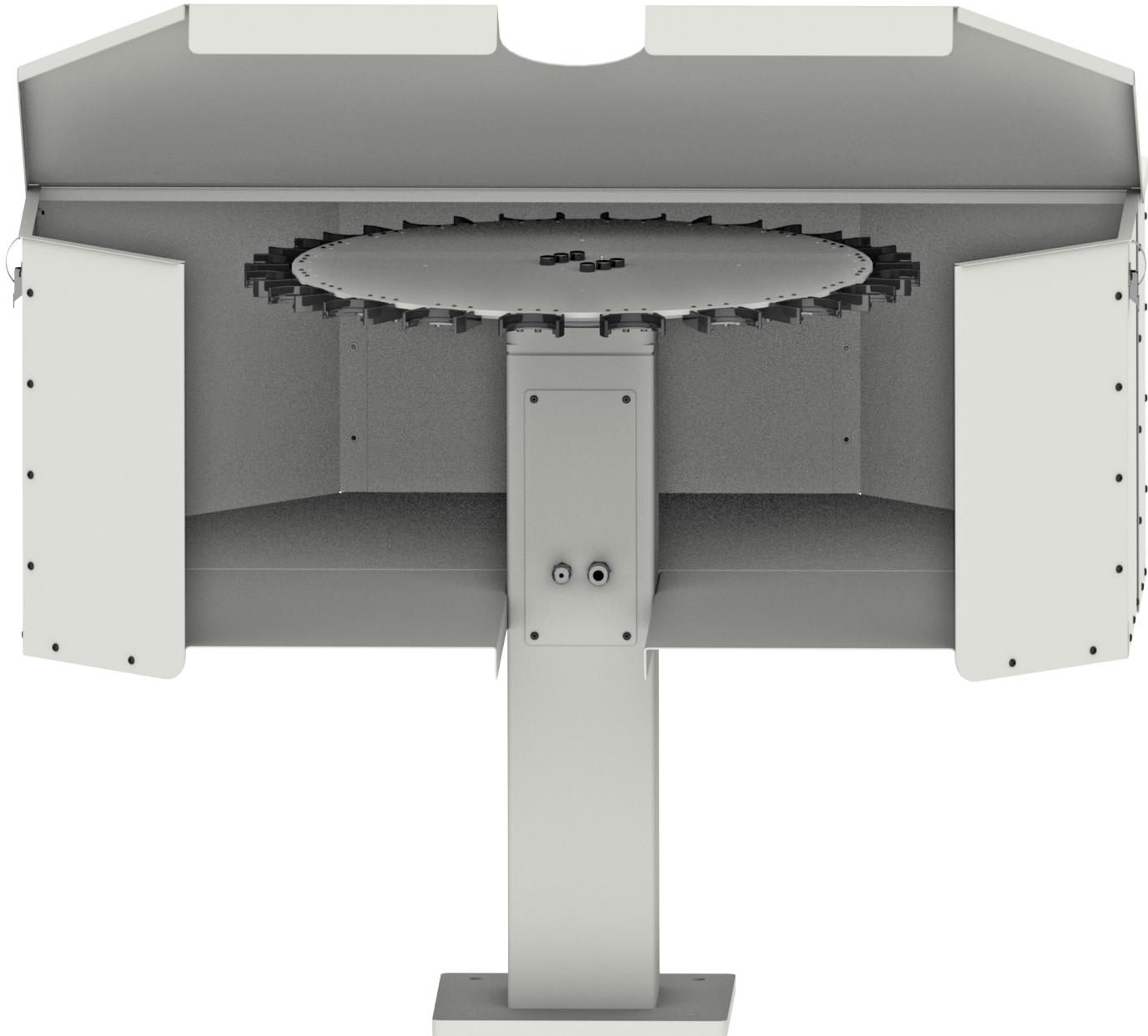
Wireless Probing System for Automatic Centering and Measuring**10110 Renishaw Wireless Radio Probing System**

Including a selection of (6) probes/stylus and Software for (1) Automatic Centering in Cylinder Bores (2) Measuring Cylinder Bore Diameters.



Automatic Tool Changing System**10360 Automatic Tool Changing System**

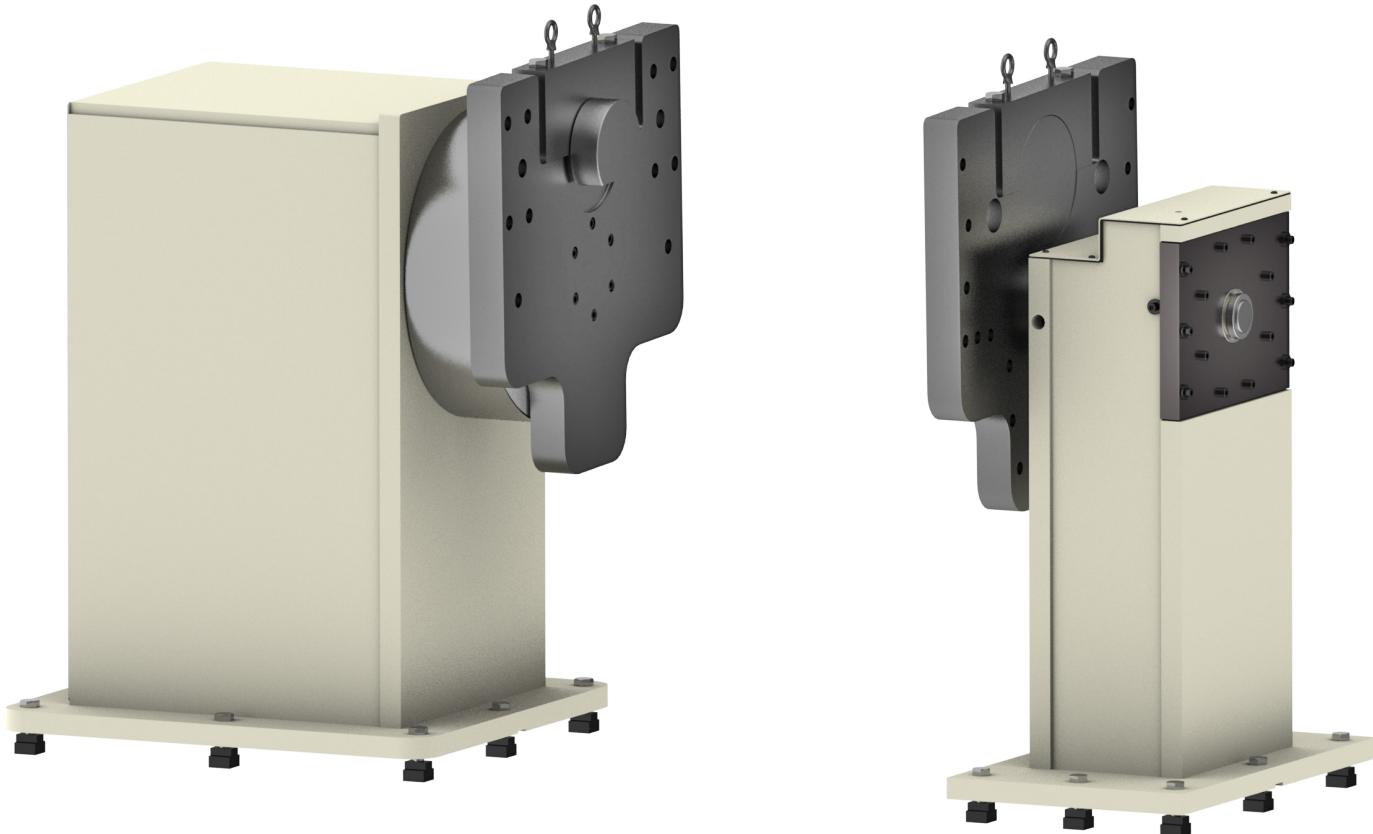
For up to 20 HSK80A tools. Large diameter tools may occupy more than one tool pocket.



Optional Equipment for Upper End Block: Boring and Surfacing**Automatic Power Roll Over Block Fixture****9300 Computer Controlled Automatic 4Th Axis Block Roll Over Fixture**

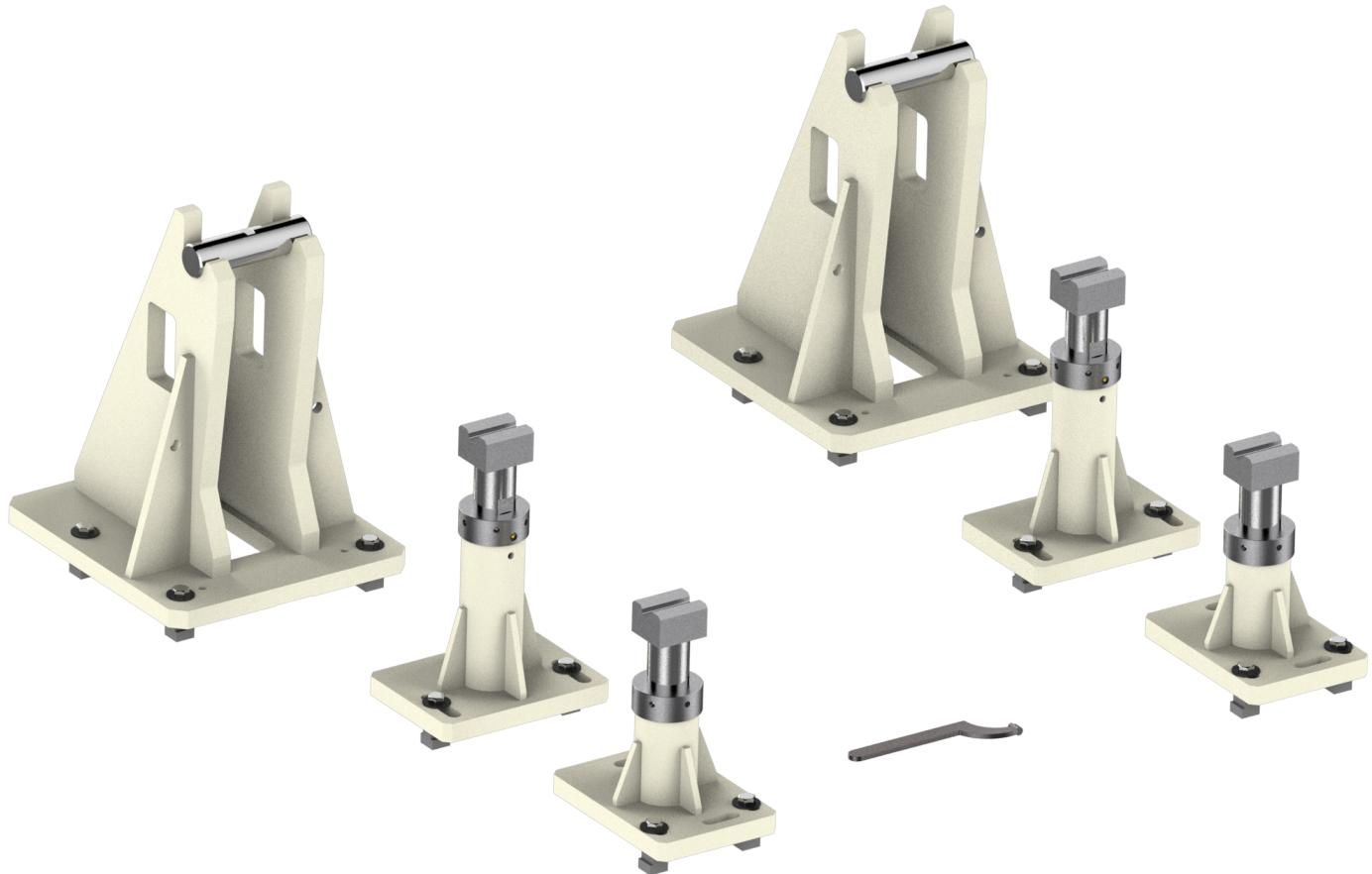
Engine blocks require mounting system to suit each block. Set up could be designed to use locating dowel pins or crankshaft main bore centerline. Price for mounting system for each block is quoted on application.

Note: Price includes factory install of 4th Axis Fixture when ordered together with new machine. Field retrofit will require additional service charges.



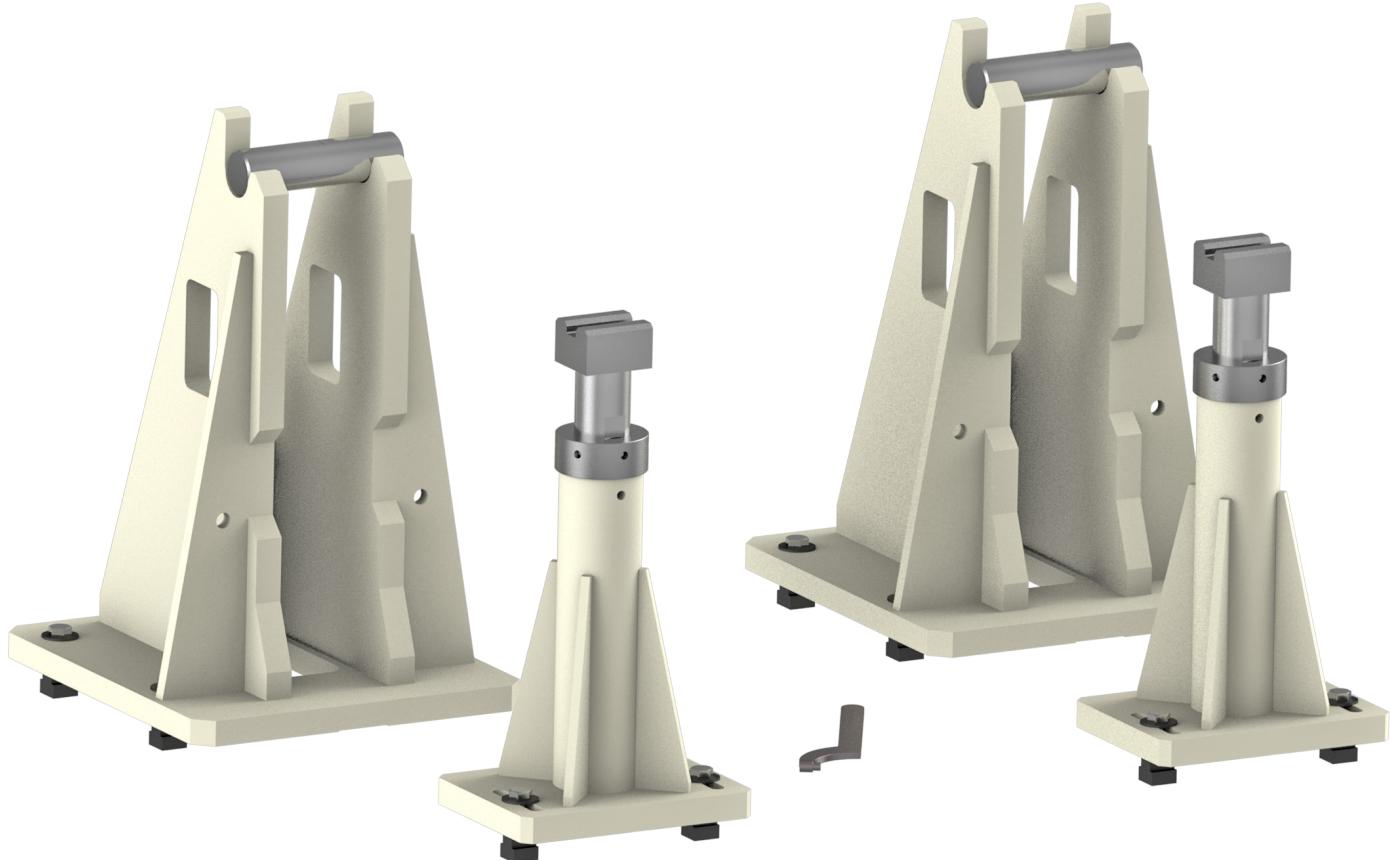
Fixturing for Extra Large In-Line and V Blocks**10100 Fixture**

For Upper End Machining - - Boring and Surfacing of V blocks such as CAT 3600 and Superior 2400 - Main Line Locators must be ordered separately. Centerline to base 24.65" (Not for use w/ QSK95)



10100A Fixture

For Upper End Machining - Boring and Surfacing of V blocks such as Waukesha AT. Centerline to deck dimension is 29.28" (743.7mm) Saddle pin diameter is 2.5" (63.5mm) Main Line Locators must be ordered separately. Centerline to base 29.28"



10100D Fixture

For Upper End Machining - Boring and Surfacing of V Blocks such as EMD 645 & 710. Main Line Locators must be ordered separately.



10100J Fixture

For Upper End Machining - Boring and Surfacing of V blocks such as CAT 3600, MTU1163 Superior 2400 and Cummins QSK95 - Main Line Locators must be ordered separately. Centerline to base 24.65"

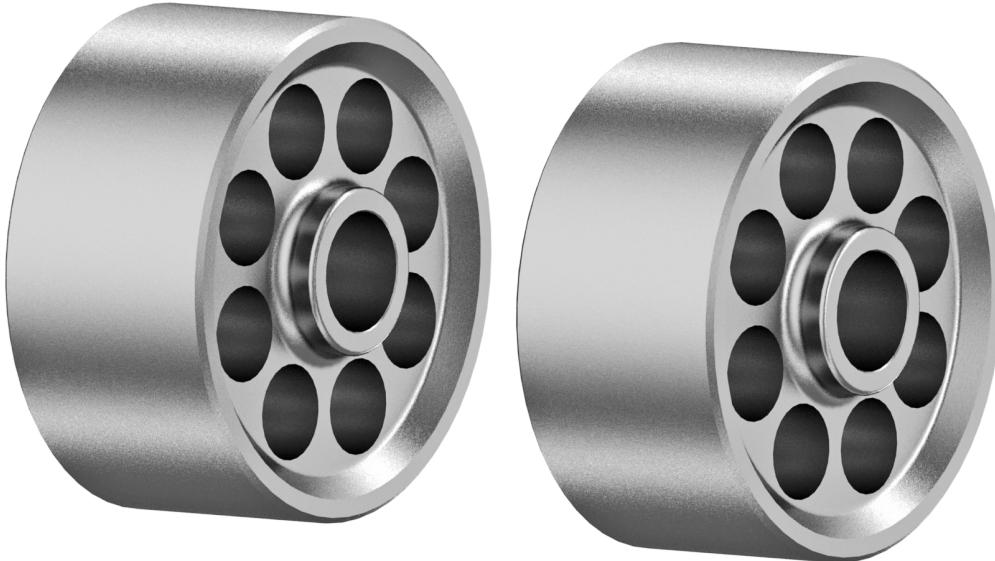


Main Bearing Bore Locator Sets

For 10100 & 10100A Block Fixture. (If Customer Requires Size Other than Available from Stock, Rottler will Manufacture the Required Size.) Customer Must Provide the Size, Including Tolerance of the Main Bearing Bore.

10102A Main Line Locators

For CAT 3600

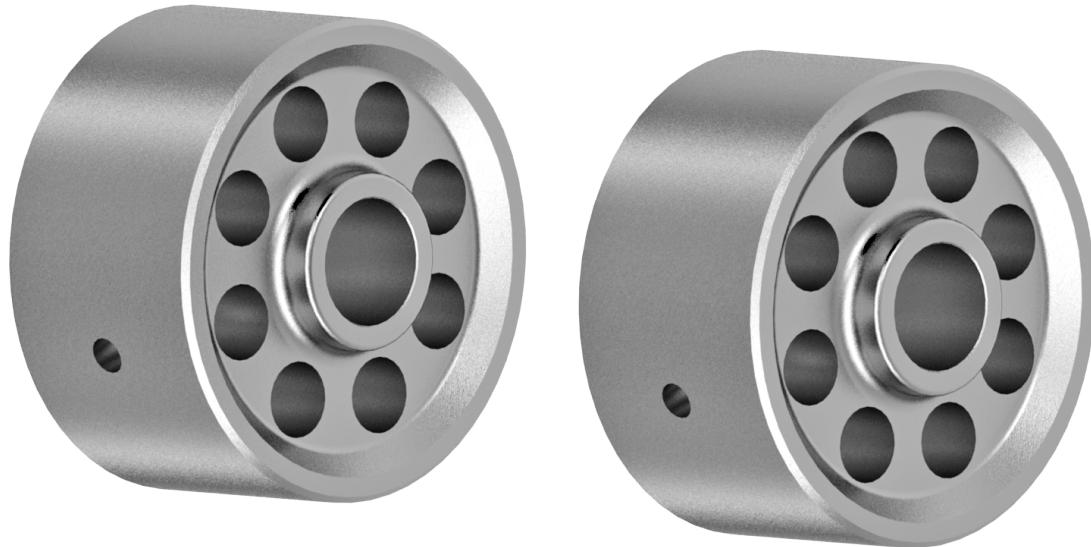
**10102C Main Line Locators**

For Superior 2400



10102E Main Line Locators

For Waukesha AT



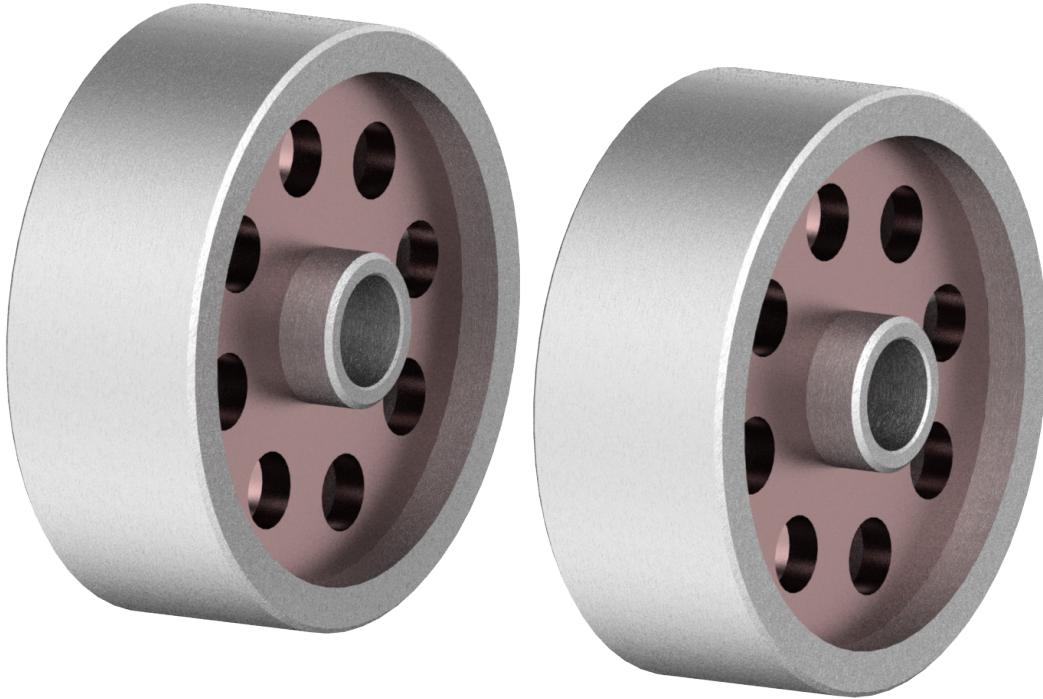
10102L Main Line Locators

For MTU 1163

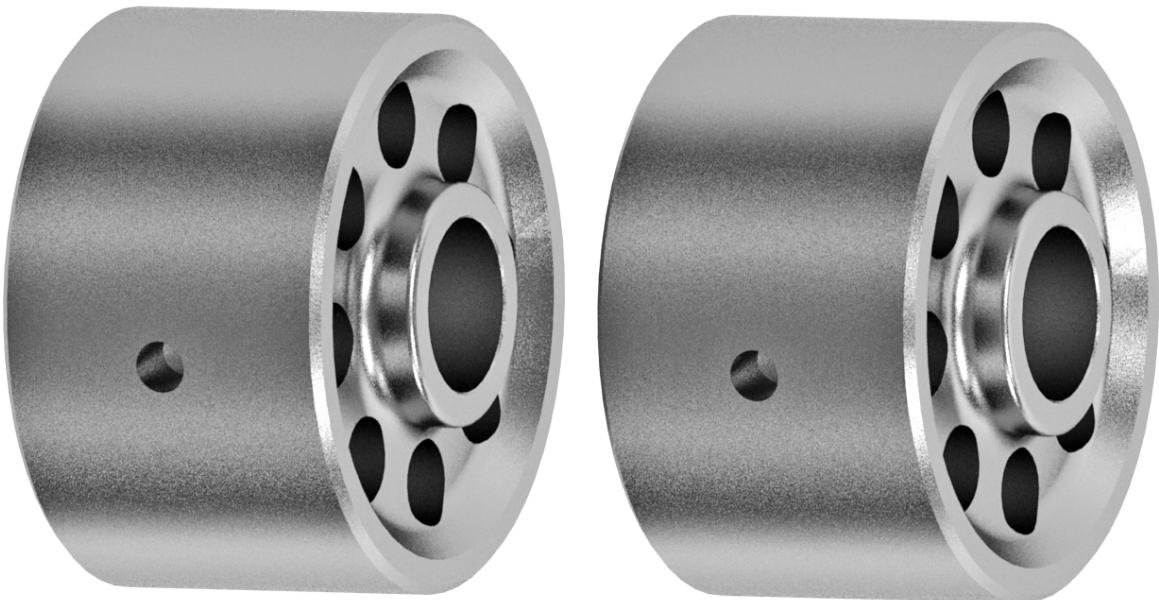


10102N Main Line Locators

For MTU 8000

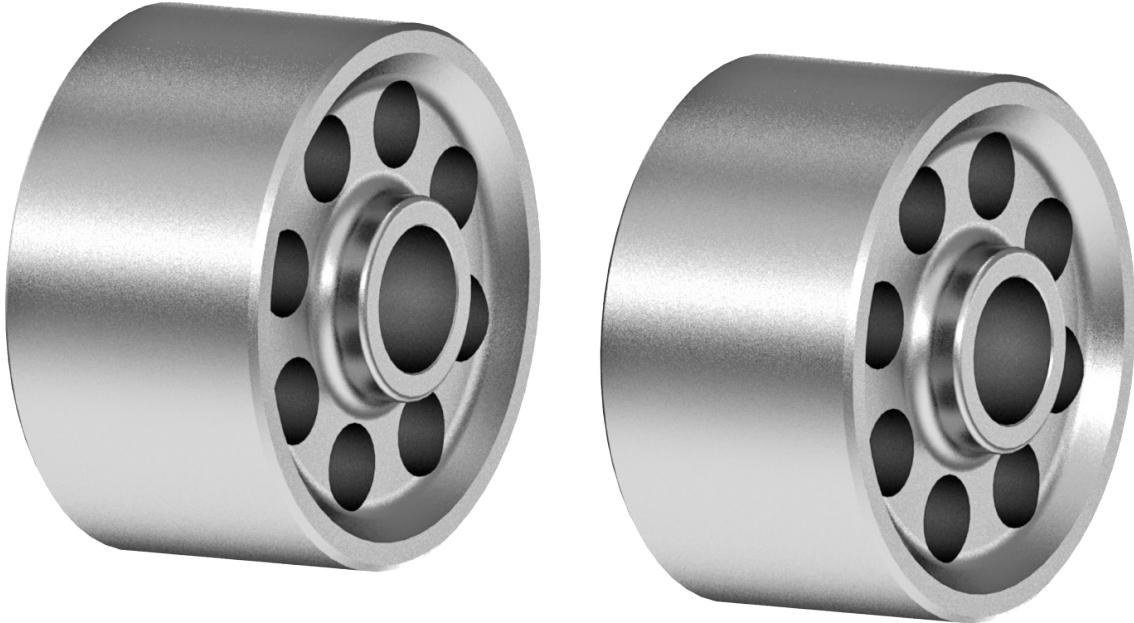
**10102R Main Line Locators**

For Locomotive EMD 645 (8.242")



10102G Main Line Locators

For Locomotive EMD 710 (9.242")

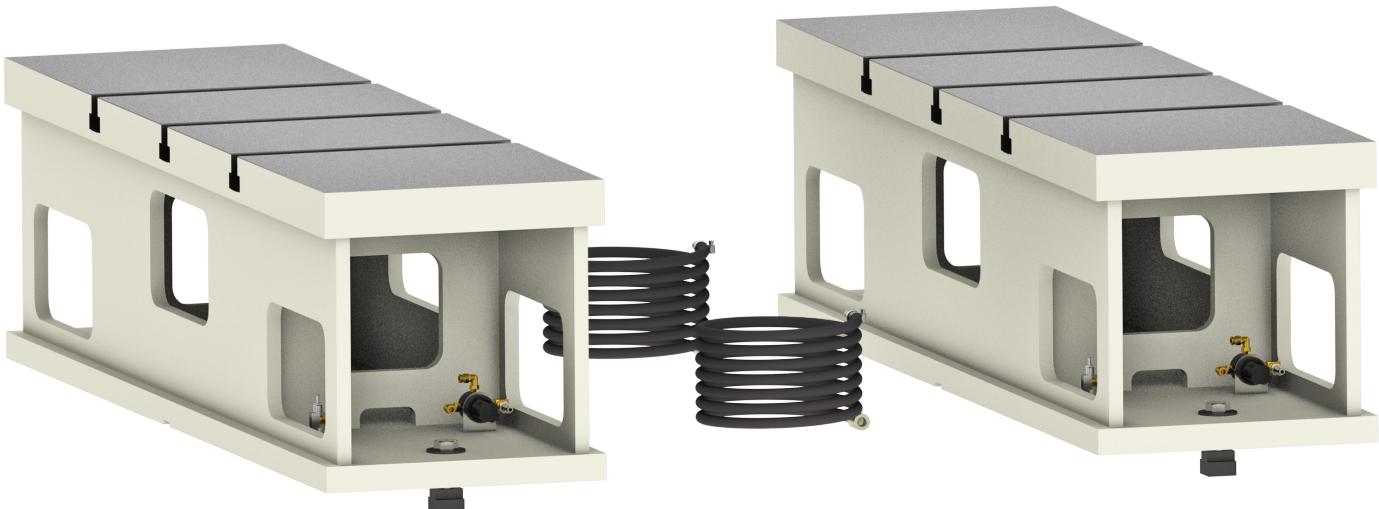


6309P Clamping System

For Fixtures 10100 & 10100A

**10355 Set of Parallels with Air Float**

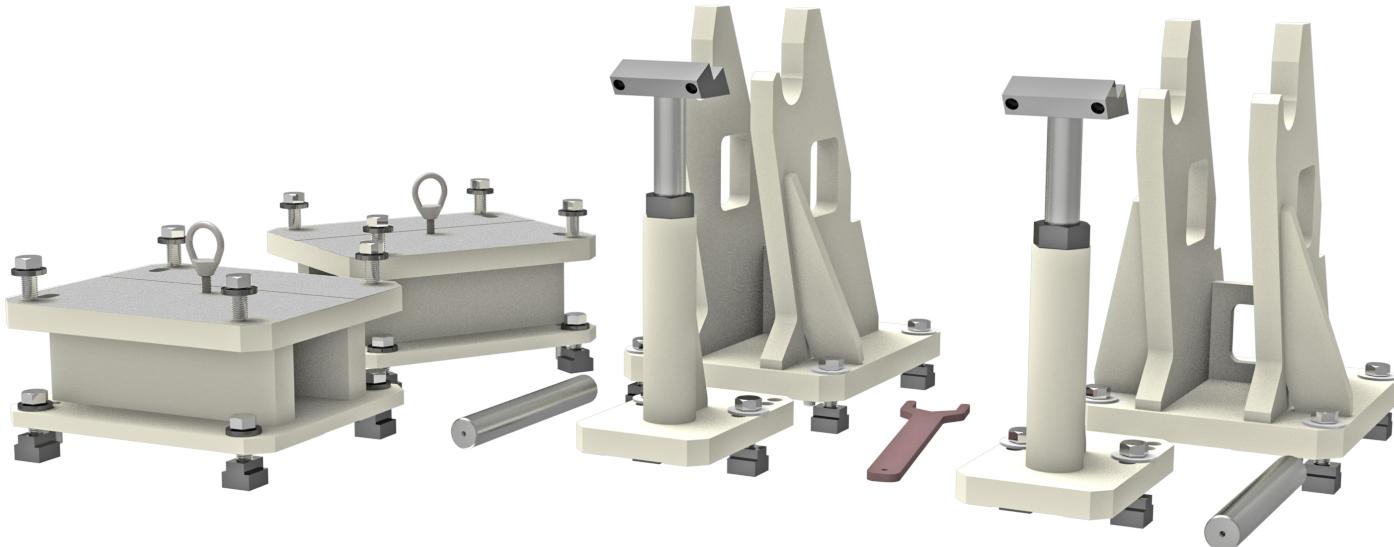
15 1/2" (394mm) - 55" (1400mm) long. Required when using Large Block Fixtures 6405F and 6821.



Fixturing for Mid Range to Large In-Line and V Blocks

6405F Large V Block Fixture

For Blocks such as CAT 3500/399, Cummins K and QSK, MTU 4000, Waukesha 7042, etc. Centerline to deck dimension is 16.28" (413.5mm) Saddle pin diameter is 2.5" (63.5mm) Requires Locators as listed.

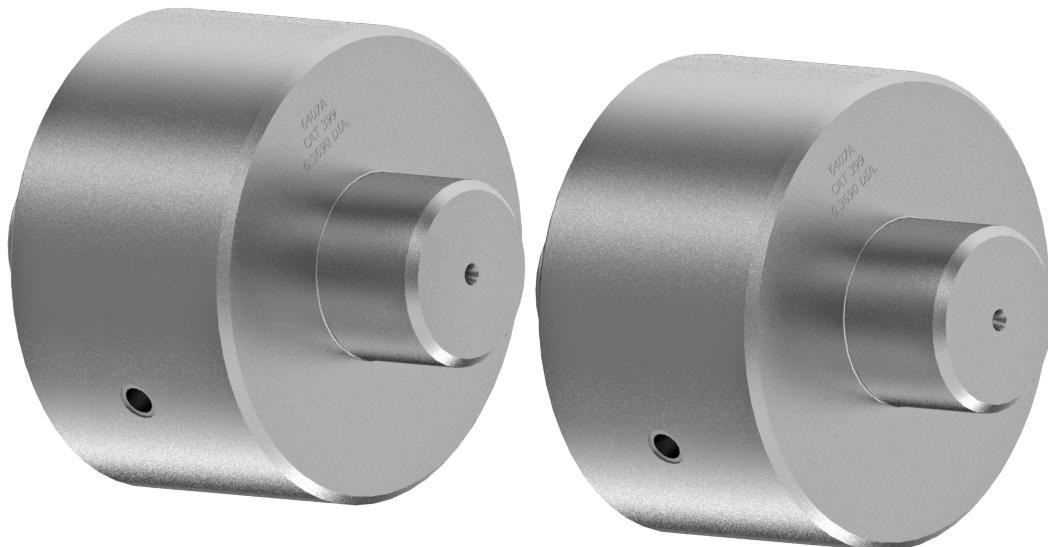


Main Bearing Bore Locator Sets

For 6405F Block Fixture. (If Customer Requires Size Other than Available from Stock, Rottler will Manufacture the Required Size.) Customer Must Provide the Size, Including Tolerance of the Main Bearing Bore.

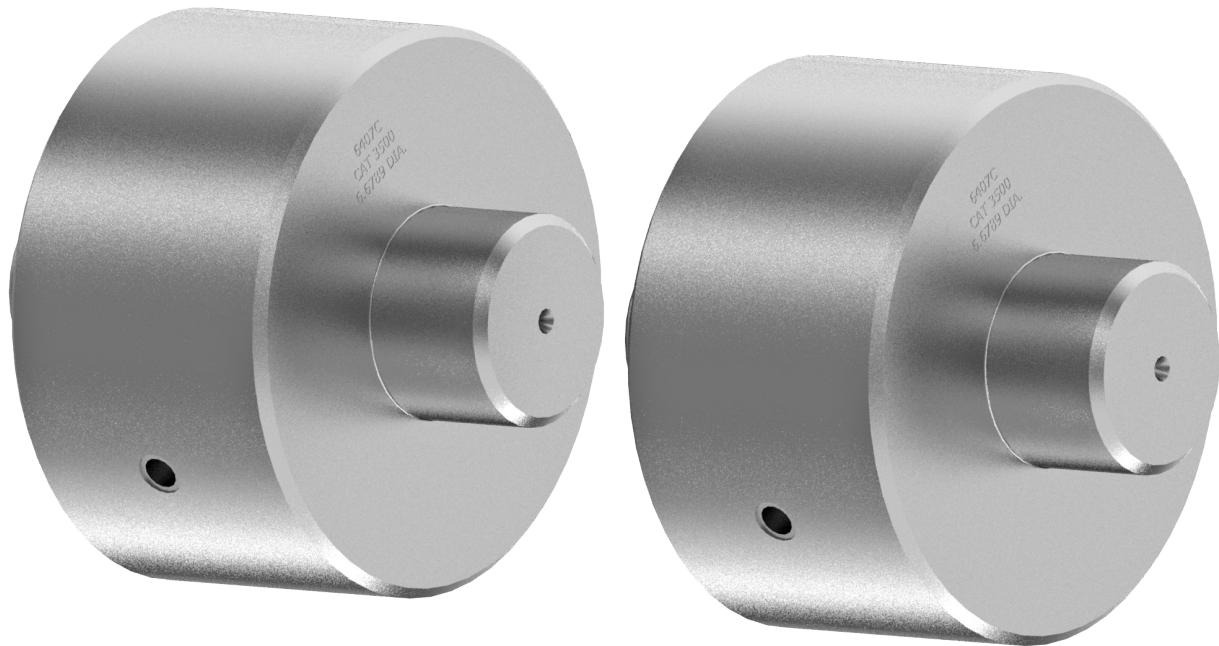
6407A Locator Assembly

Main, CAT 399 / Large V-Block Fixture (Matched Pair)

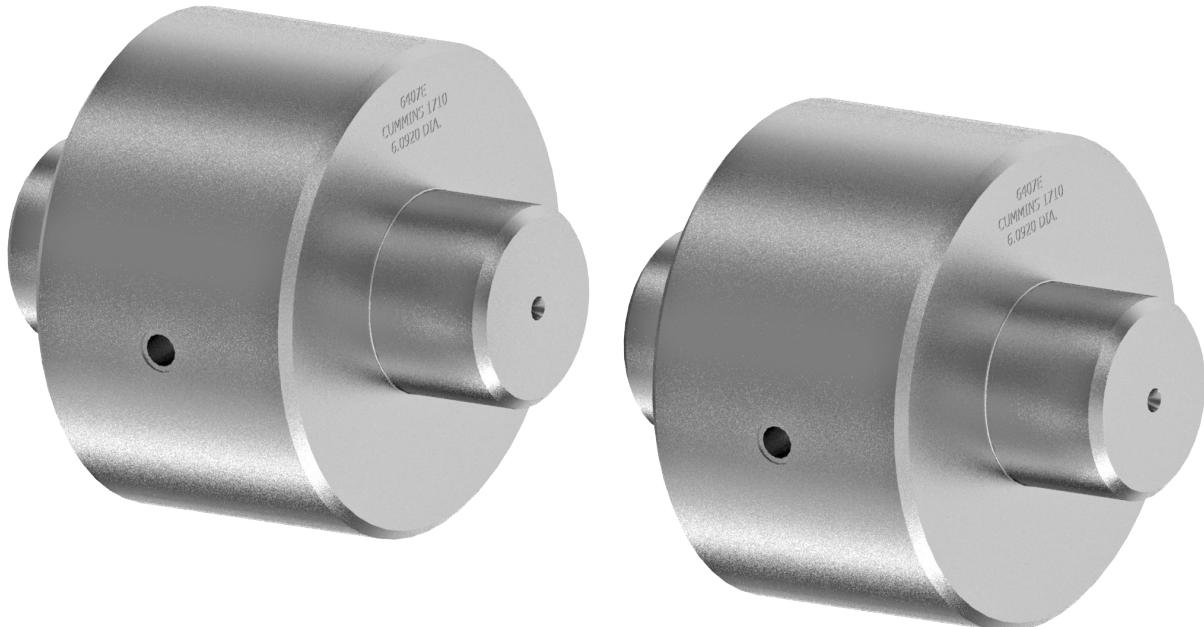


6407C Locator Assembly

Main, CAT 3500 / Large V-Block Fixture (Matched Pair)

**6407E Locator Assembly**

Main, Cummins 1710 / Large V-Block Fixture (Matched Pair)

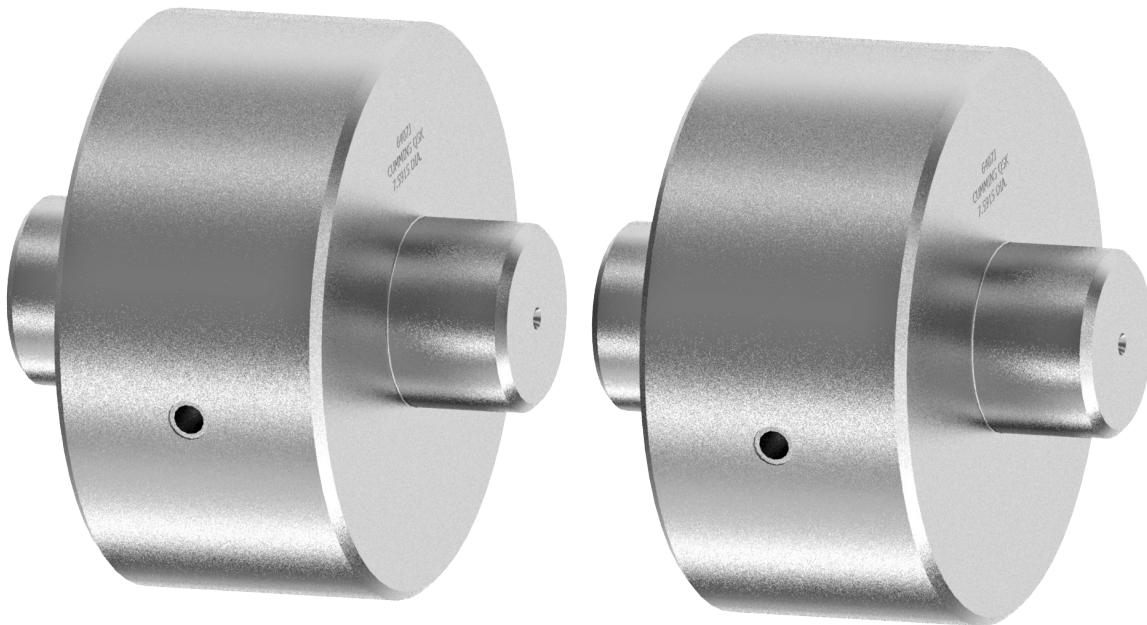


6407G Locator Assembly

Main, Cummins K50 / Large V-Block Fixture (Matched Pair)

**6407J Locator Assembly**

Main, Cummins QSK / Large V-Block Fixture (Matched Pair)

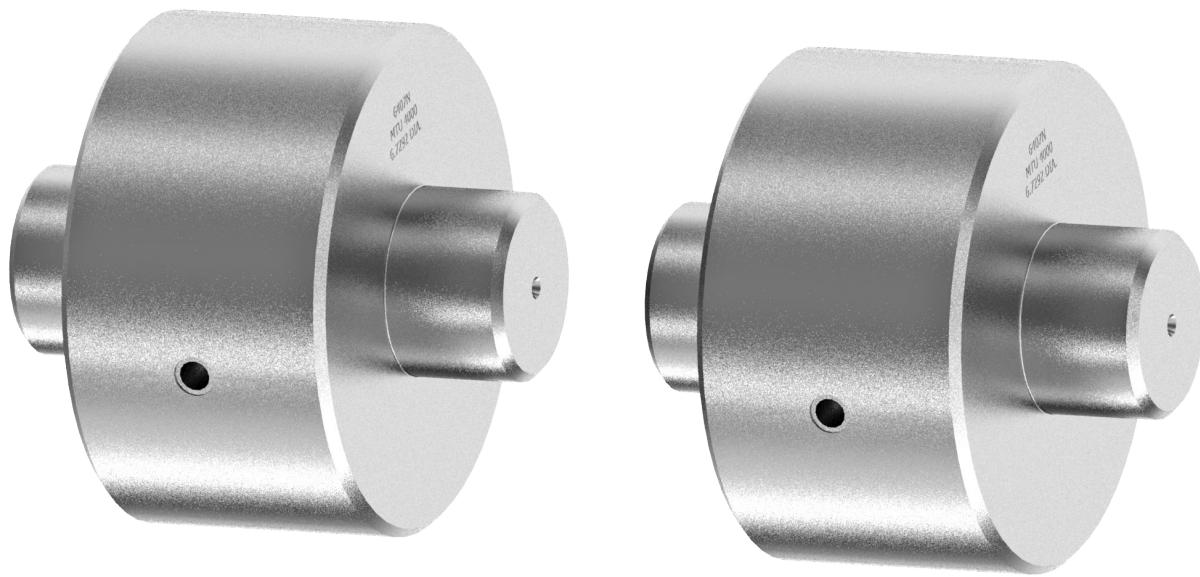


6407L Locator Assembly

Main, Waukesha 7042 / Large V-Block Fixture (Matched Pair)

**6407N Locator Assembly**

Main, MTU 4000 / Large V-Block Fixture (Matched Pair)

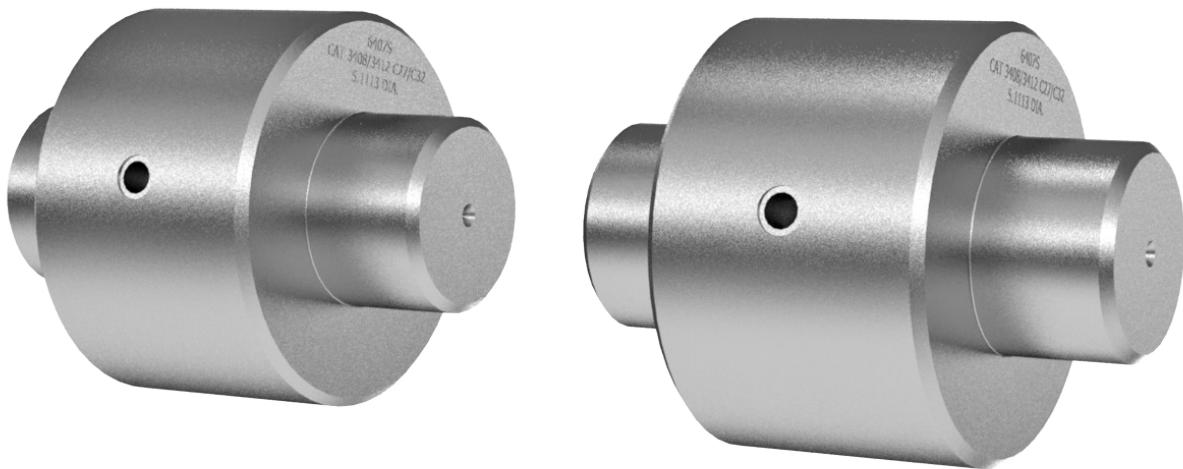


6407Q Locator Assembly

Main, CAT C175 / Large V-Block Fixture (Matched Pair)

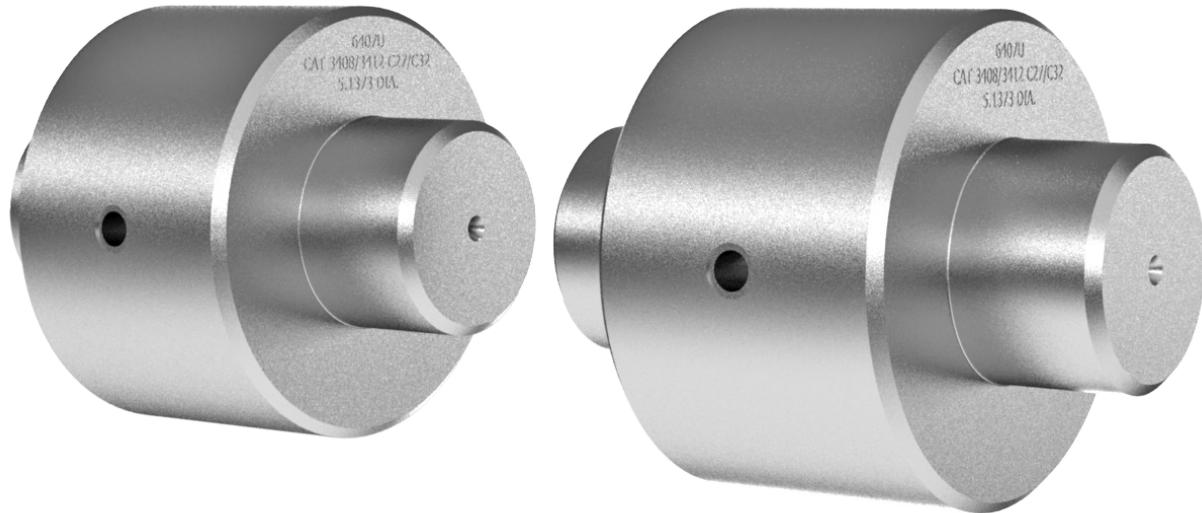
**6407S Locator Assembly**

Main, 5.1143 diameter bore (Matched Pair)

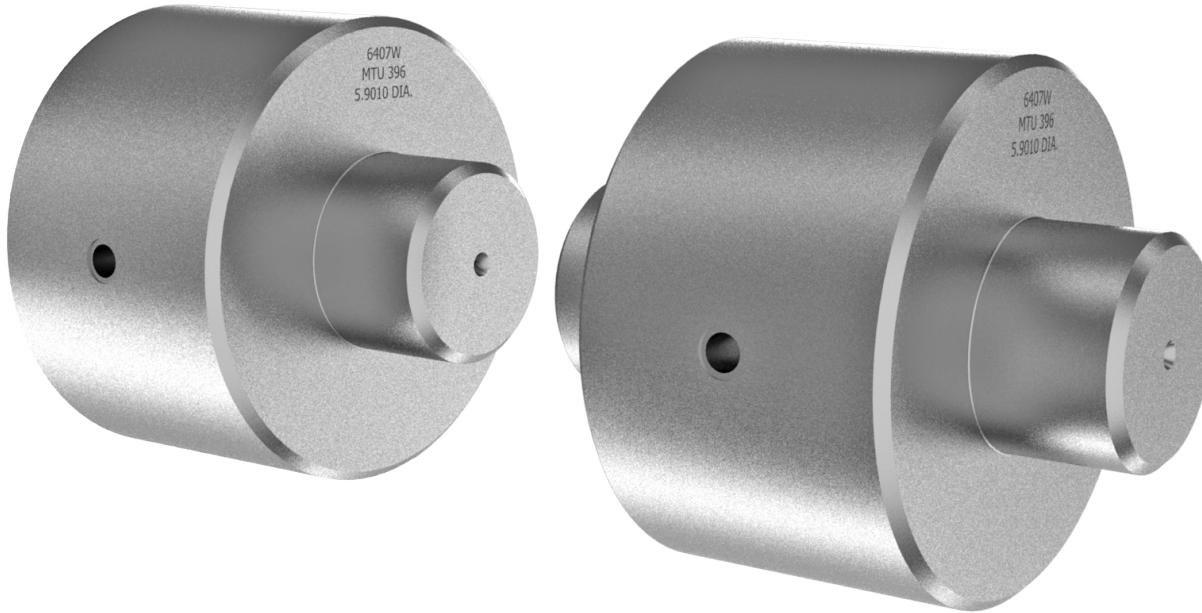


6407U Locator Assembly

Main, 5.1393 diameter bore (Matched Pair)

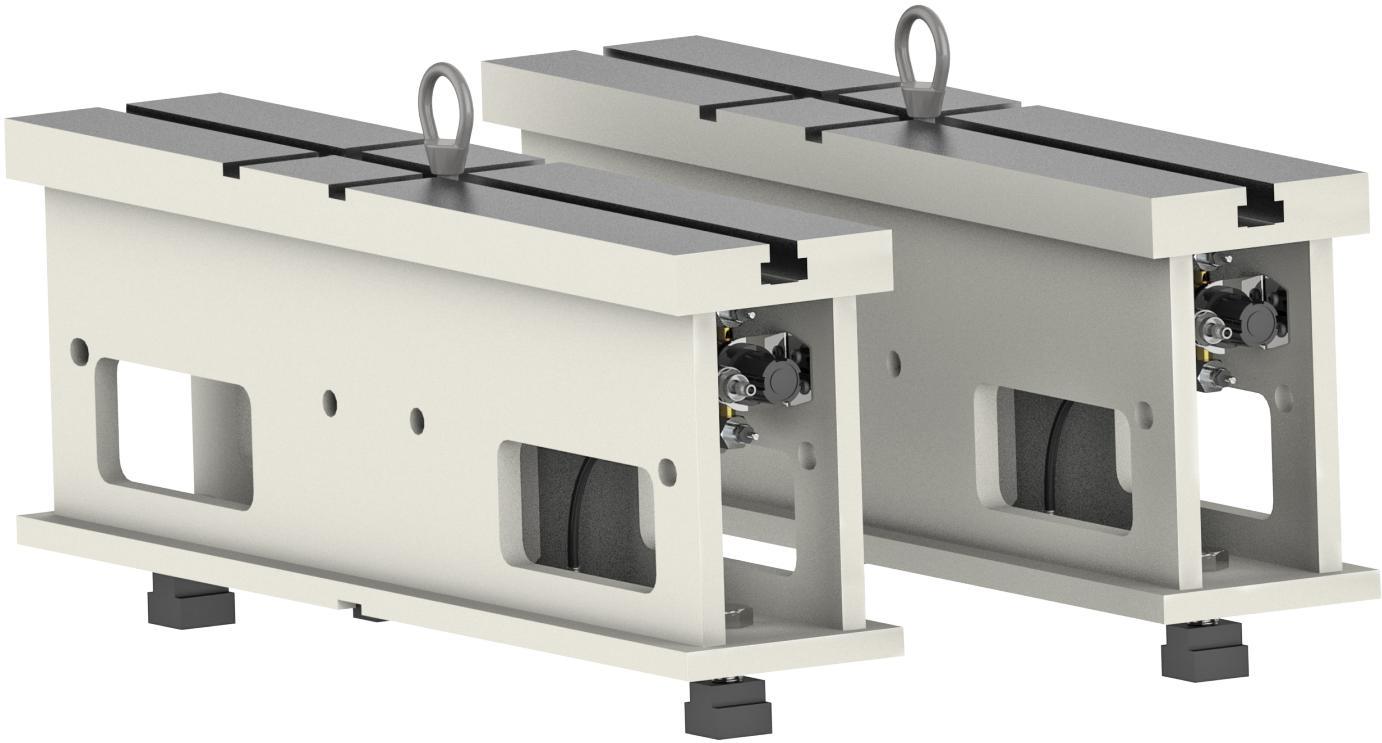
**6407W Locator Assembly**

Main, MTU 396



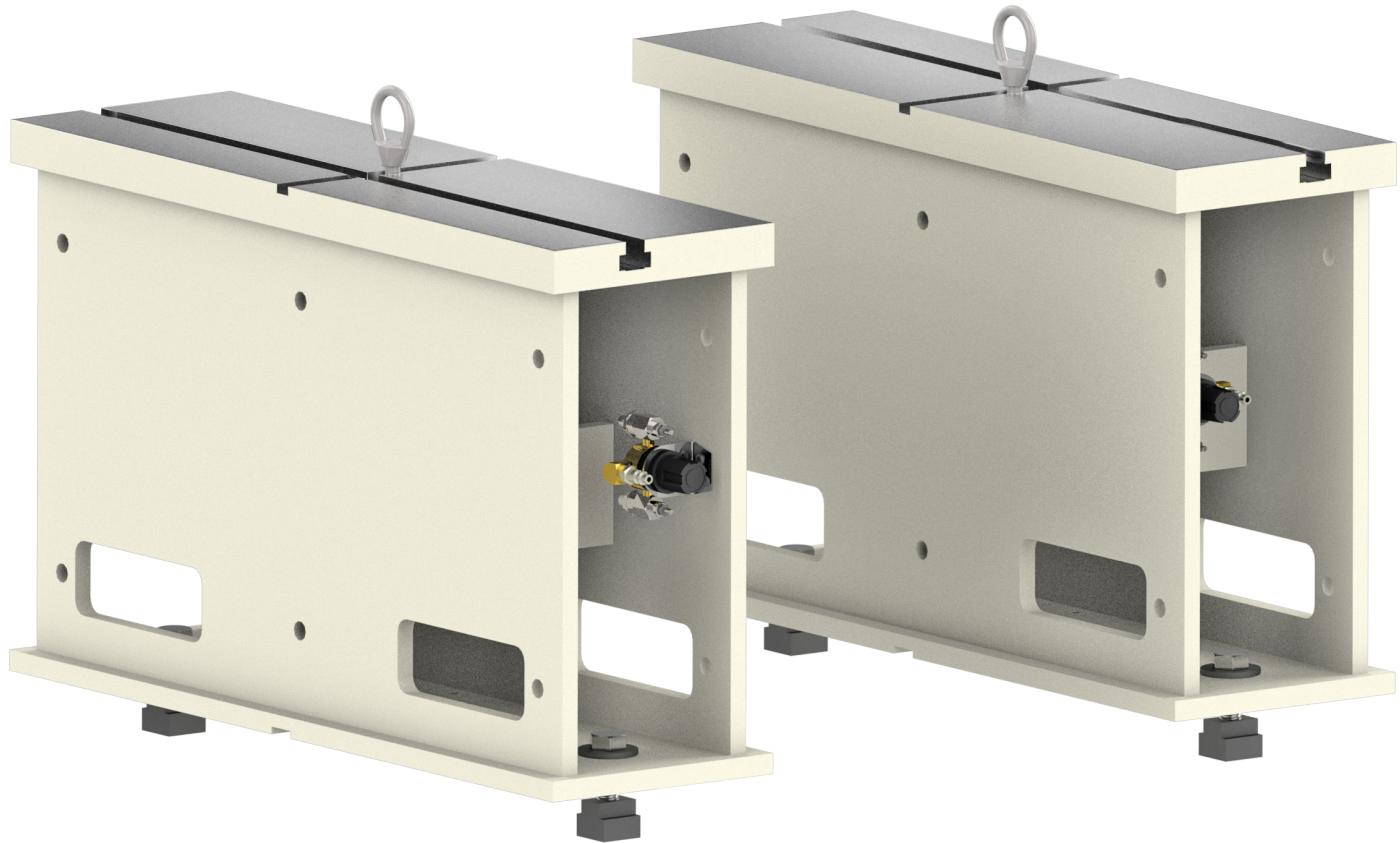
7152A Dual Axis Level Assembly**6370Z Set Of Parallels with Air Float**

10" (254mm) - 3 T Slots

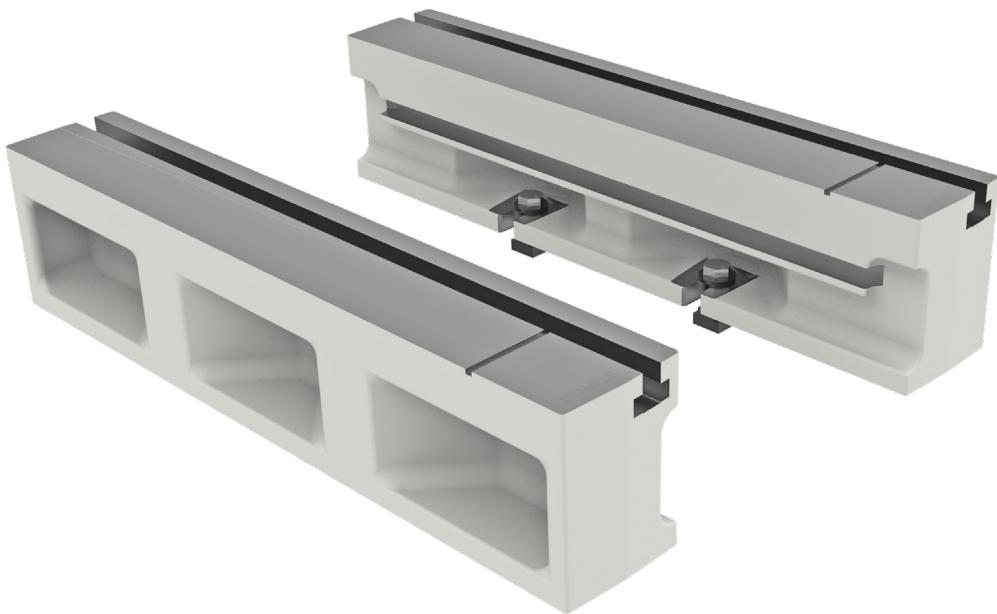


6370C Set Of Parallels with Air Float

18" (457mm) - 3 T Slots

**7219W Heavy Duty T-Slot Universal Parallels**

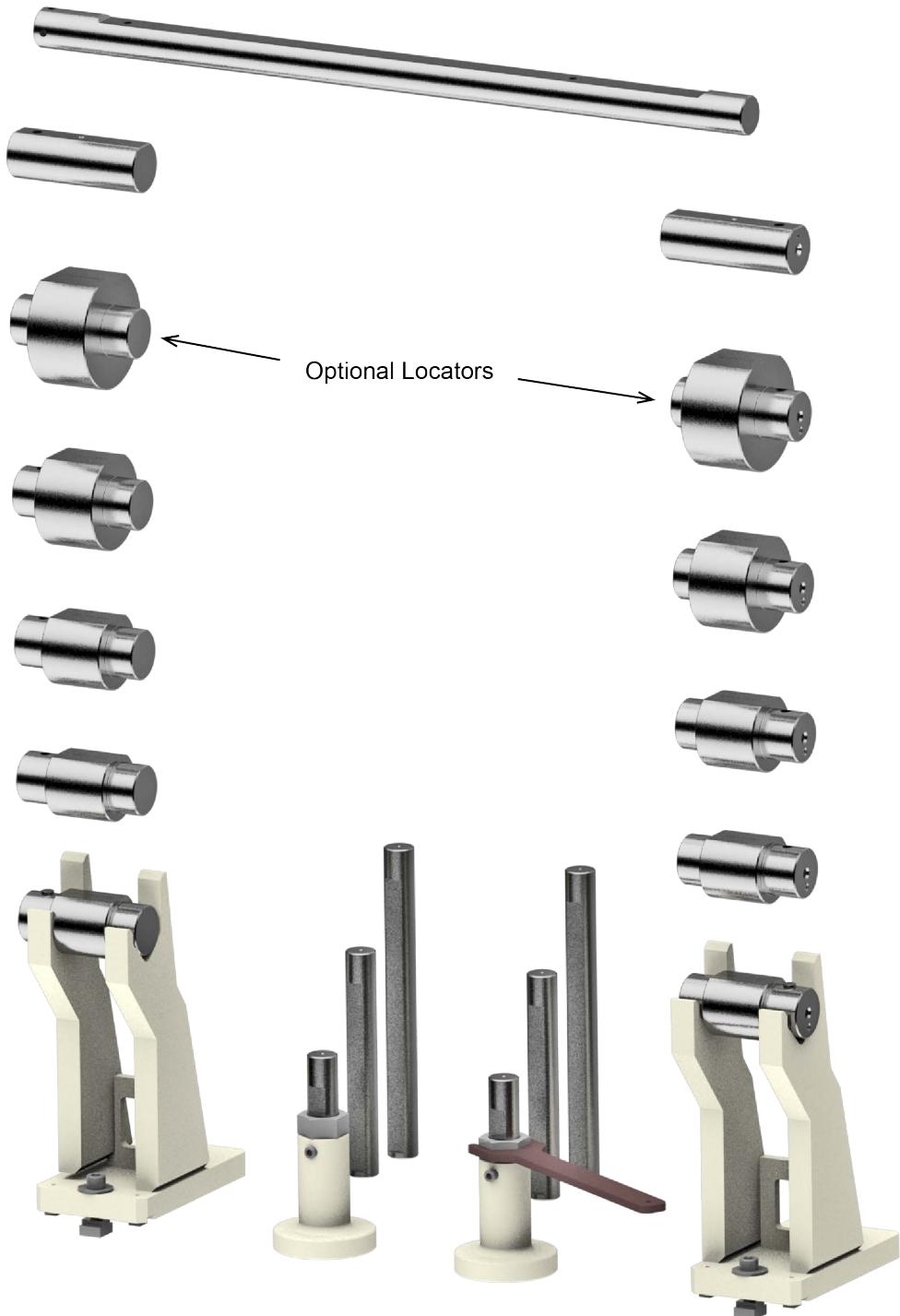
5.2" (132mm) Required when Machining Small In-Line Blocks on their Pan Rails.



6725 Mid-Range In-Line and V Block Fixture

For Blocks Up to V12 Such as CAT C27, Cummins Nv12, Etc. Fixture Includes Five Pair Locators to Cover 2.5 - 6.0" (63.5 - 152mm) Main Line Diameter Range. Package includes 2" (50.8mm) bar to support small in-line and V-blocks, selection of locators available for most common blocks.

Note: 6725 requires 6370Z 10" (254mm) parallels.



6511 3/4" (19.05mm) Clamp Kit

T-Nuts, Bolts, Strap Clamps, Etc.

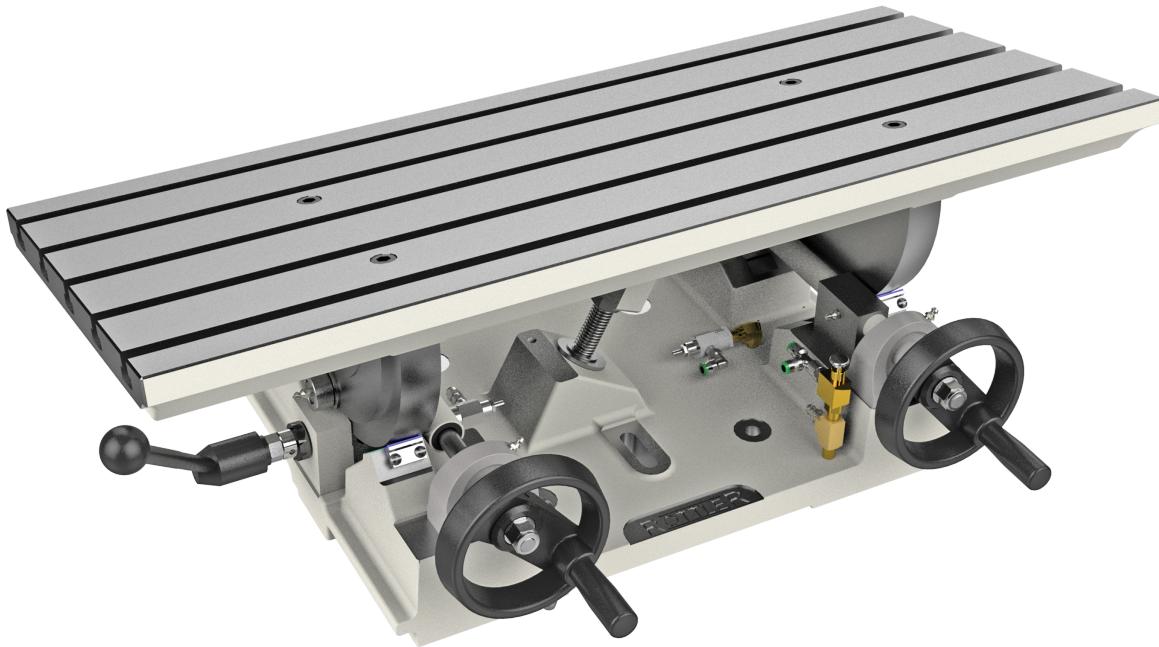


Fixturing for Surfacing Cylinder Heads and Manifolds

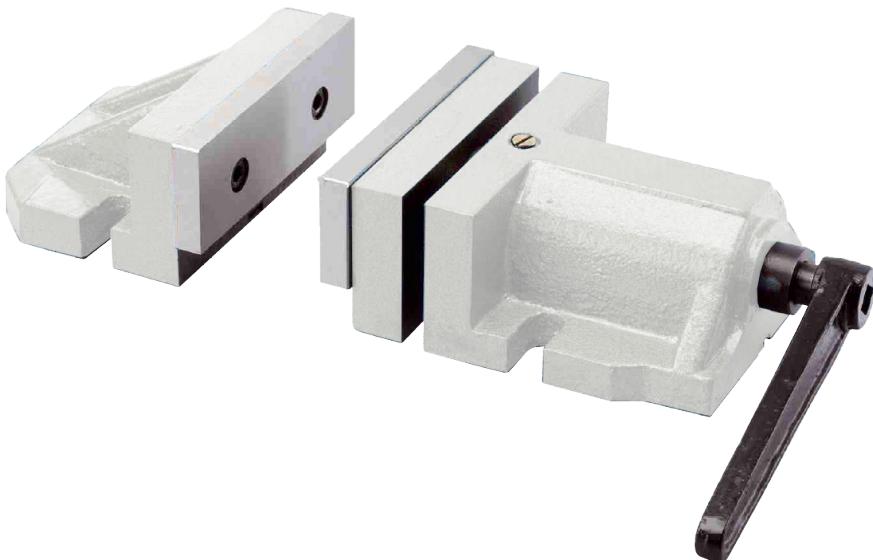
Requires Parallels 10355

7209M Leveling Table With Air Float

Complete With Universal Work Holding System for Surfacing Cylinder Heads and Manifolds. Requires One Set of 6370C Parallels

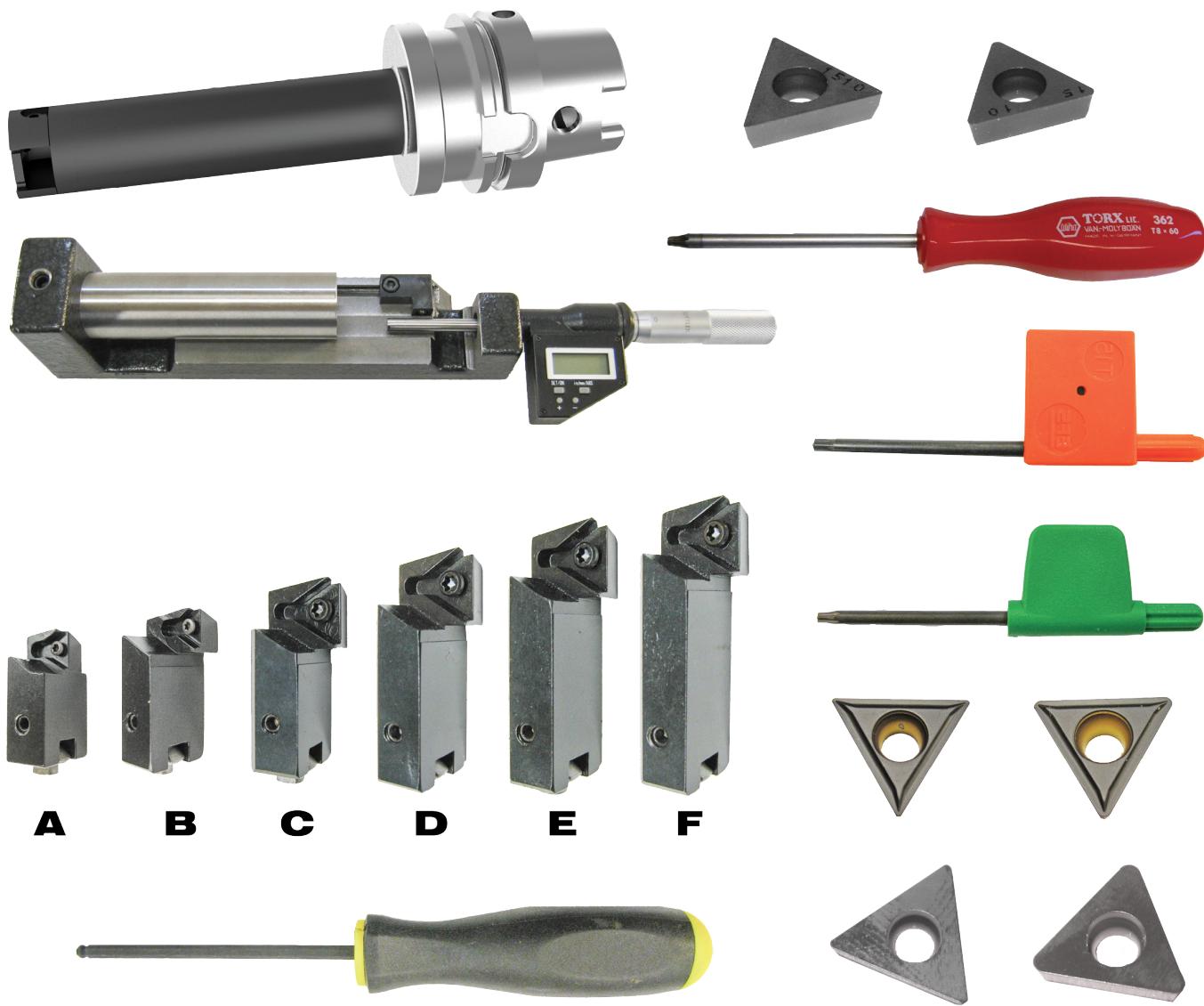
**7209N 2-Piece Vise**

For Holding Exhaust Manifolds for Surfacing. Also Used for Surfacing Main Bearing Housing Caps In Preparation for Main Line Boring. Requires 7209M Leveling Table.



Boring and Sleeving Tooling for HSK80A Spindle Taper**10118 Blind Hole Stub Cutterhead Package**

1.5 - 4.2" (38 - 107mm) diameter x 6.5" (165mm) length complete with tooling and Digital Micrometer



10108B Blind Hole Stub Cutterhead Package

2.9 - 5.0" (74 - 152mm) diameter X 9.7" (246mm) length Complete With Tooling and Digital Micrometer



10117A Blind Hole Cutterhead

4.5 - 9.0" (114 - 229mm) diameter complete with tooling and Digital Micrometer suitable for boring diameters larger than spindle diameter 6" (1152.5mm)



10116 Extended Spindle Blind Hole Cutterhead Package

4.5 - 9.0" (114 - 228mm) diameter x 12.5" (318mm) length complete with tooling and Digital Micrometer



10107B Blind Hole Cutterhead Package

8.0 - 14.0" (203 - 360mm) diameter complete with tooling and Digital Micrometer



10104B Blind Hole Cutterhead Package

11.75 - 16" (298 - 406mm) diameter - Complete with tooling and Digital Micrometer

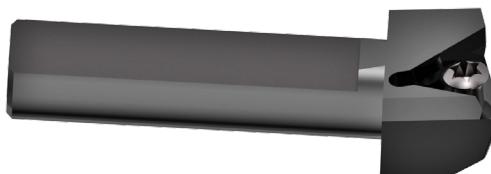


10105B Blind Hole Cutterhead Package

14.0 - 20.0" (356 - 508mm) diameter complete with tooling and Digital Micrometer

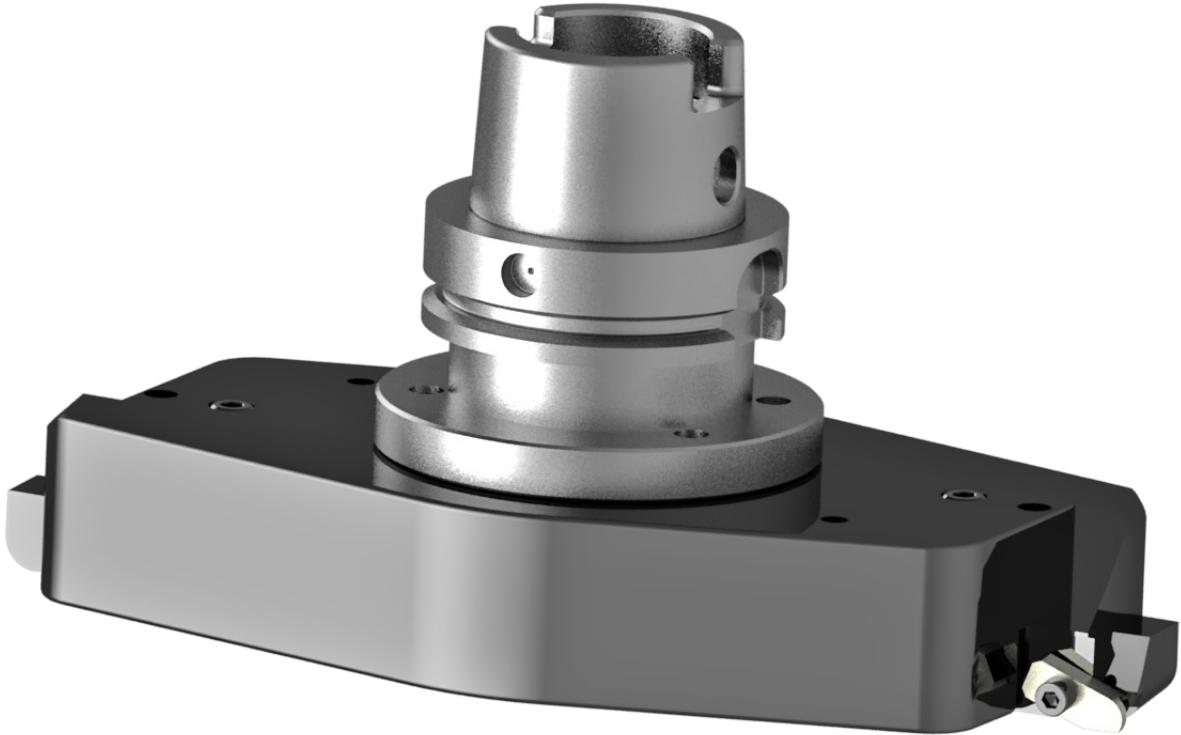
**6593S Cartridge Assembly**

Circular Interpolation Counterbore Facing

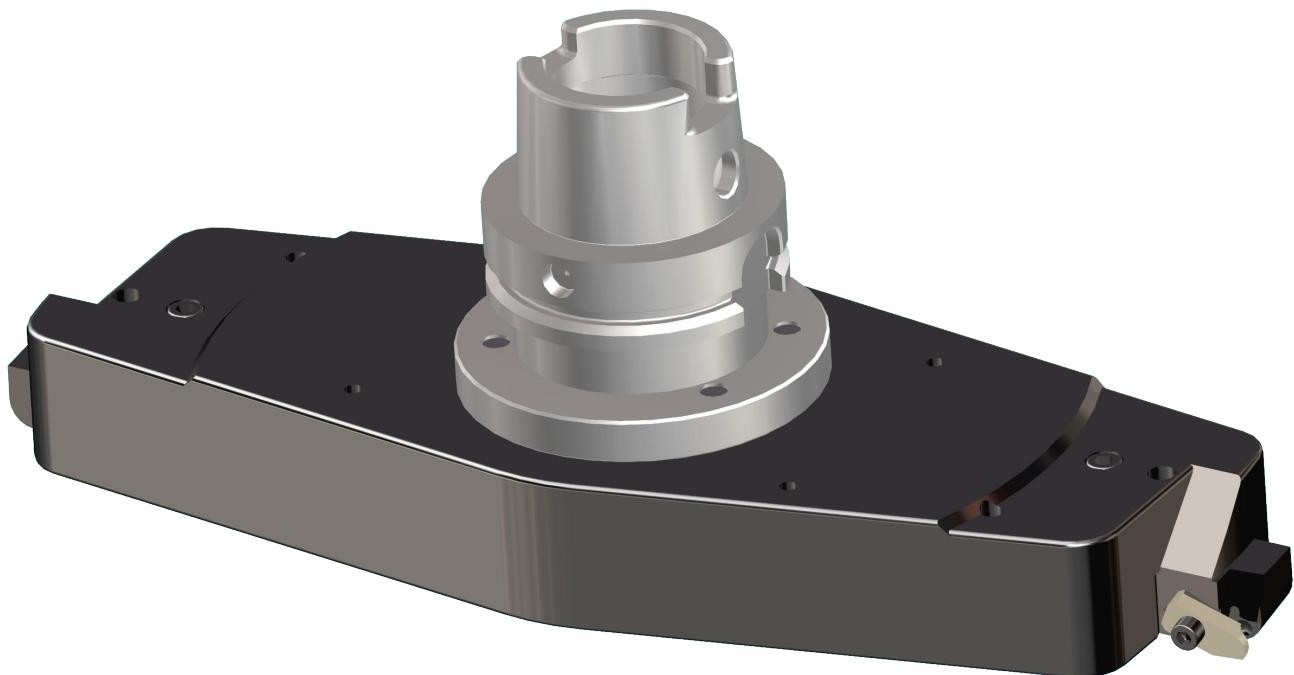


Surfacing Tooling for HSK80A Spindle Taper**10119 10" (250mm) Diameter Surfacing Cutterhead Assembly**

Complete With Tooling

**10106C 14" (360mm) Diameter Surfacing Cutterhead Assembly**

Complete With Tooling



10115 18" (460mm) Diameter Surfacing Cutterhead Assembly

Complete With Tooling

**10106B 22" (560mm) Diameter Surfacing Cutterhead Assembly**

Complete With Tooling

**6301J CBN Insert**

1/16 Radius, for Surfacing Large Blocks (15% Discount on orders of 10 or more)

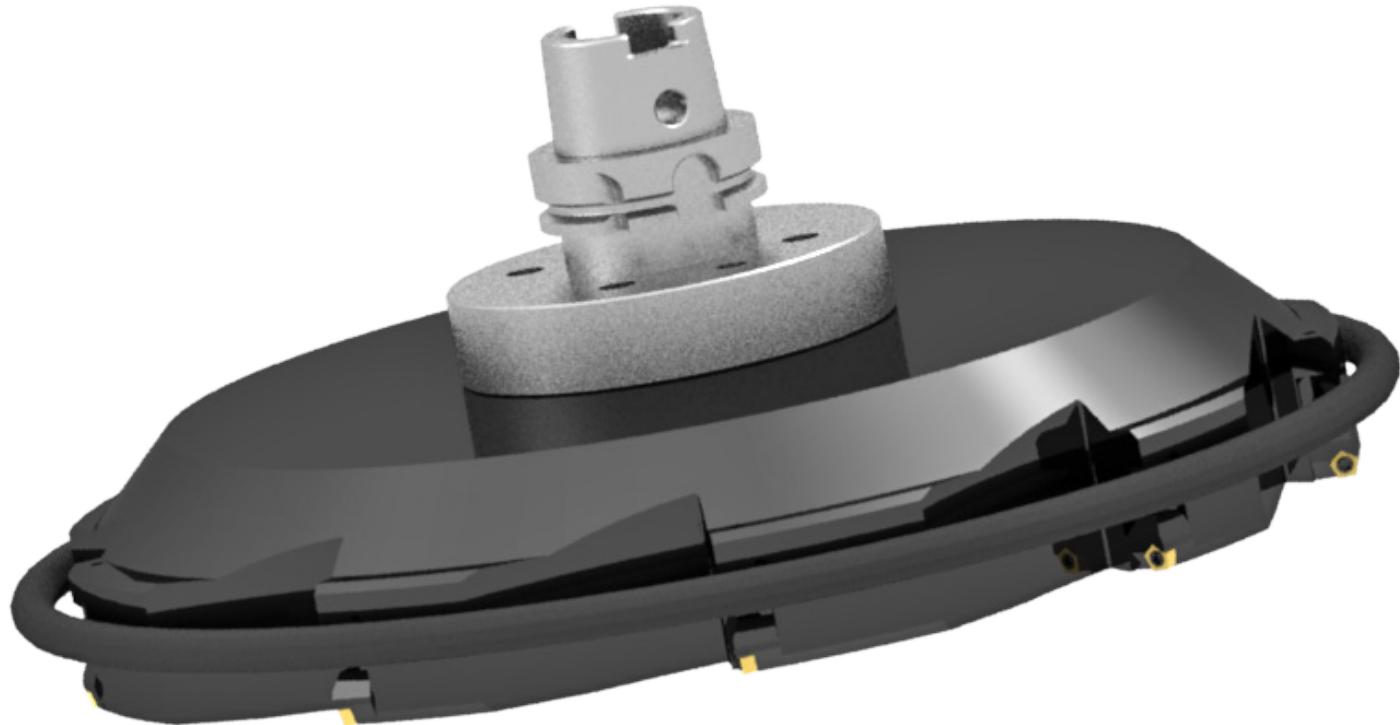
**6303V CBN Insert**

Octagonal (16-Cutting Corners) for surfacing large diesel blocks (15% Discount on orders of 10 or more)



Special Surfacing Tooling for Milling Metal Sprayed Head Gasket Decks**10109B Special 18" (420mm) Diameter Multi Tooth Milling Head**

Including 9 Cartridges with 10 cutting edges per insert: Cutting inserts must be ordered separately

**6515C Replacement Square Carbide Insert**

Heavy Duty Coated for Weld-Cutting. Fits 10109D

Image Currently Unavailable

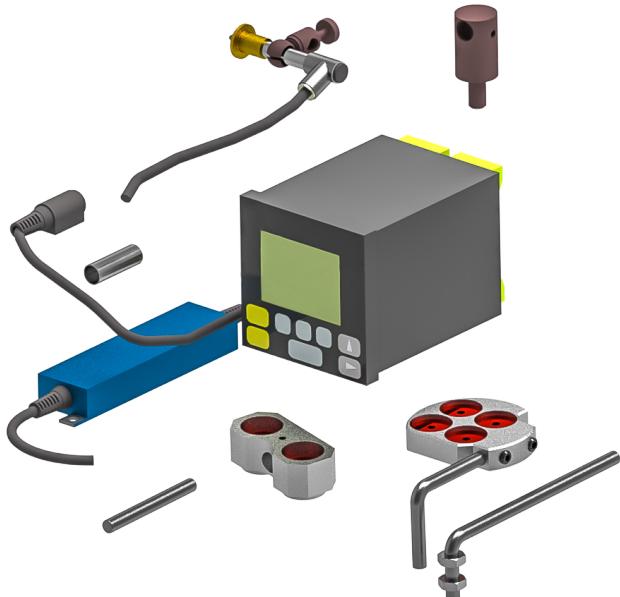
6515D Replacement Square Carbide Insert

Fits 10109D

Image Currently Unavailable

General Purpose Accessories**502-12-7B Digital Runout Probe and Readout**

Including Magnetic Holder for Block Set Up and Manual Centering of Cylinder Bores and Main Line Bores

**General Purpose Tooling****10121A Caterpillar 3400 Series Tappet Bore Repair Tooling Package**

Including Digital Indicator and 1" Spindle Adaptor



10122 Small Precision Adjustable Boring Head

Including Spindle Adapter and Digital Indicator for General Purpose Boring and Facing Work, Boring Range 3/4 - 3" (20 - 75mm) and Facing Range 4.9 - 7" (125 - 180mm)



6900D Large Heavy Duty Adjustable Boring/Facing Head

Including Spindle Adapter for General Purpose Boring and Facing Work, and Cutting Wide Chamfers Inch Reading.

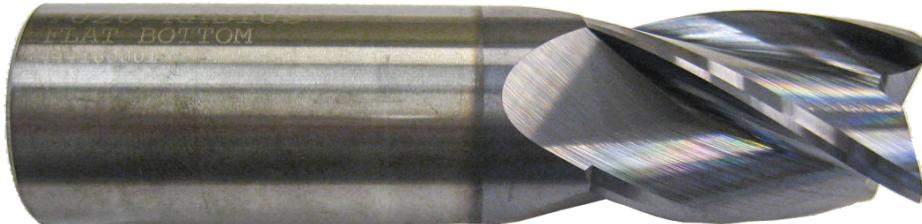
**10124 Collet Kit**

1/8 - 1" (3 - 26mm) 23 Collets Including Storage Box and Wrench. Requires 10126 HSK CAT40 Spindle Adapter.



650-2-45G Solid Carbide End Mill

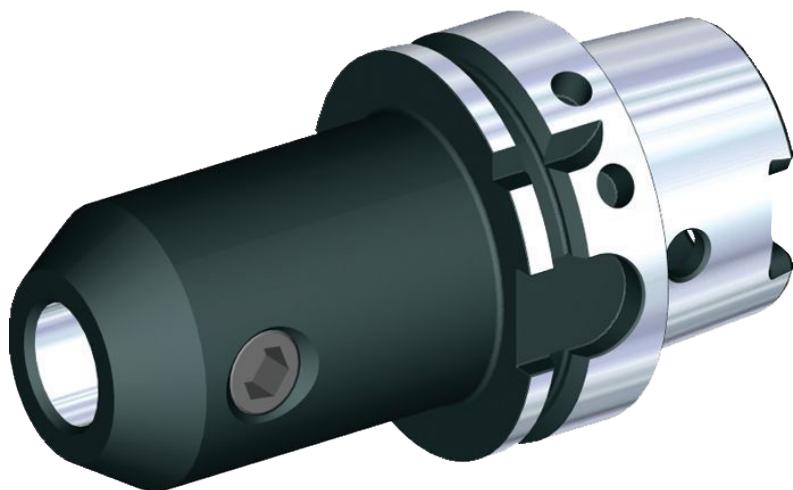
1" (25.4mm) Diameter x 4.00" (101.4mm) overall length. Used for machining head gasket fire deck surface for water hole corrosion repairs.

**650-2-43F Four Fluted End Mill**

3/4" (19.05mm) X 4" (101.4mm) Overall length (.020" corner radius, flat bottom, no dish) Used for Machining Head Gasket Fire Deck Surface for Water Hold Corrosion Repairs

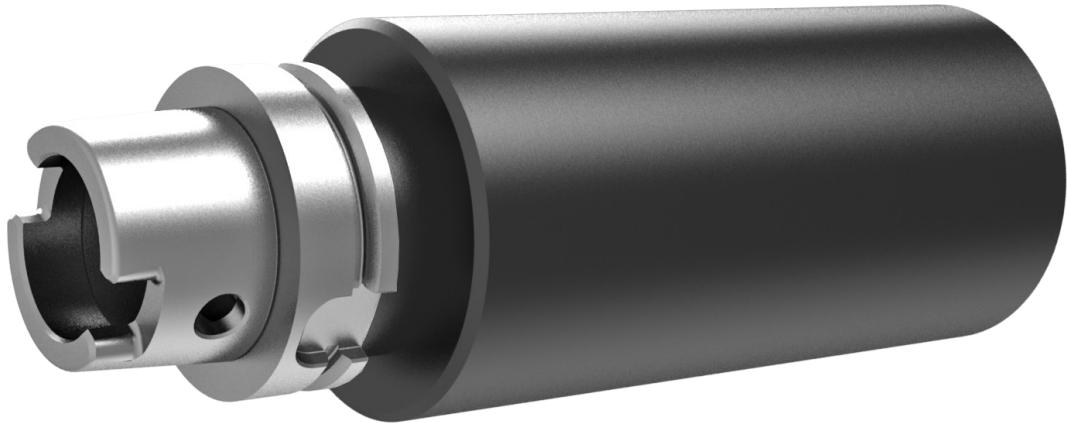
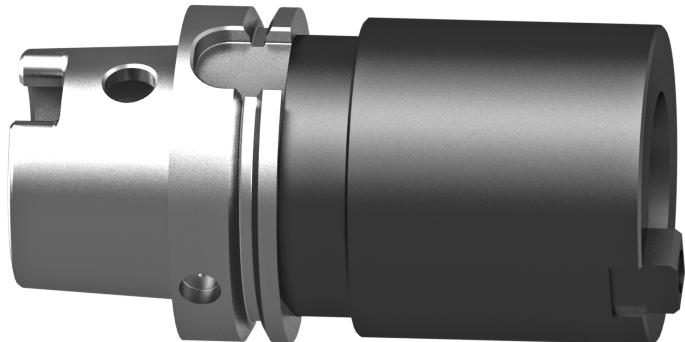
**Spindle Adapters for Mounting Universal Tooling****10113 1" (25.4mm) Spindle Adapter**

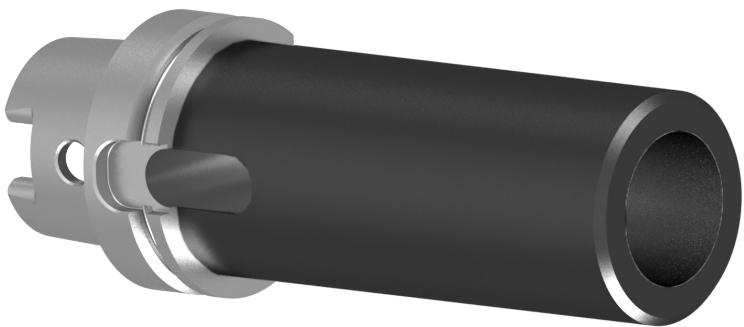
For Driving 1" (25.4mm) Diameter Shank Tooling



10125 Blank Adapter

Can be Machined by Customer to Suit Special Requirements

**10126 #40 Taper Adapter****10127 R8 Taper Adaptor**

10128 #5 Morse Taper Adapter**Main Line Bore Equipment**

Line Bore Tooling for Extra Large Blocks Such as CAT 3600, 3500 & 399, Waukesha AT, 7042 and 9390, White Superior 2400 and 825

6898 Extra Heavy Duty 90 Degree Right Angle Drive

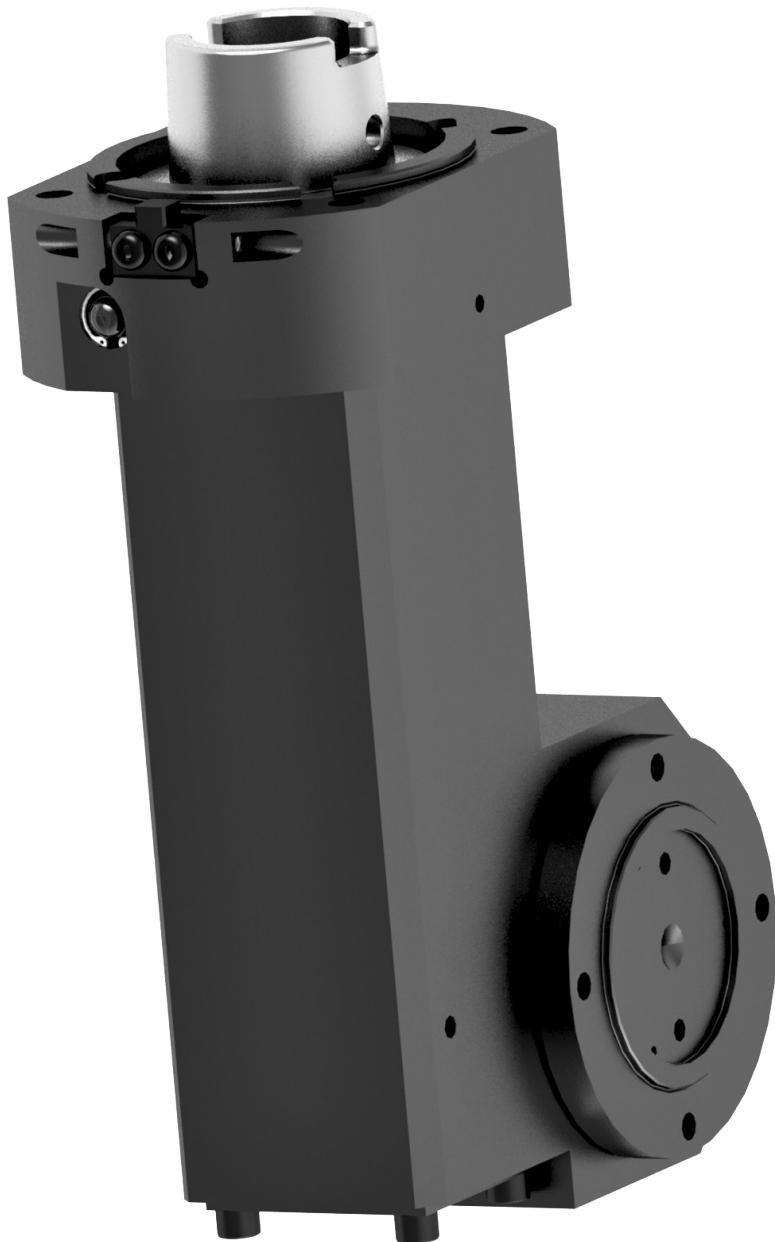
Double Sided for machining in left and right directions



10114 Heavy Duty Offset 90 Degree Right Angle Drive

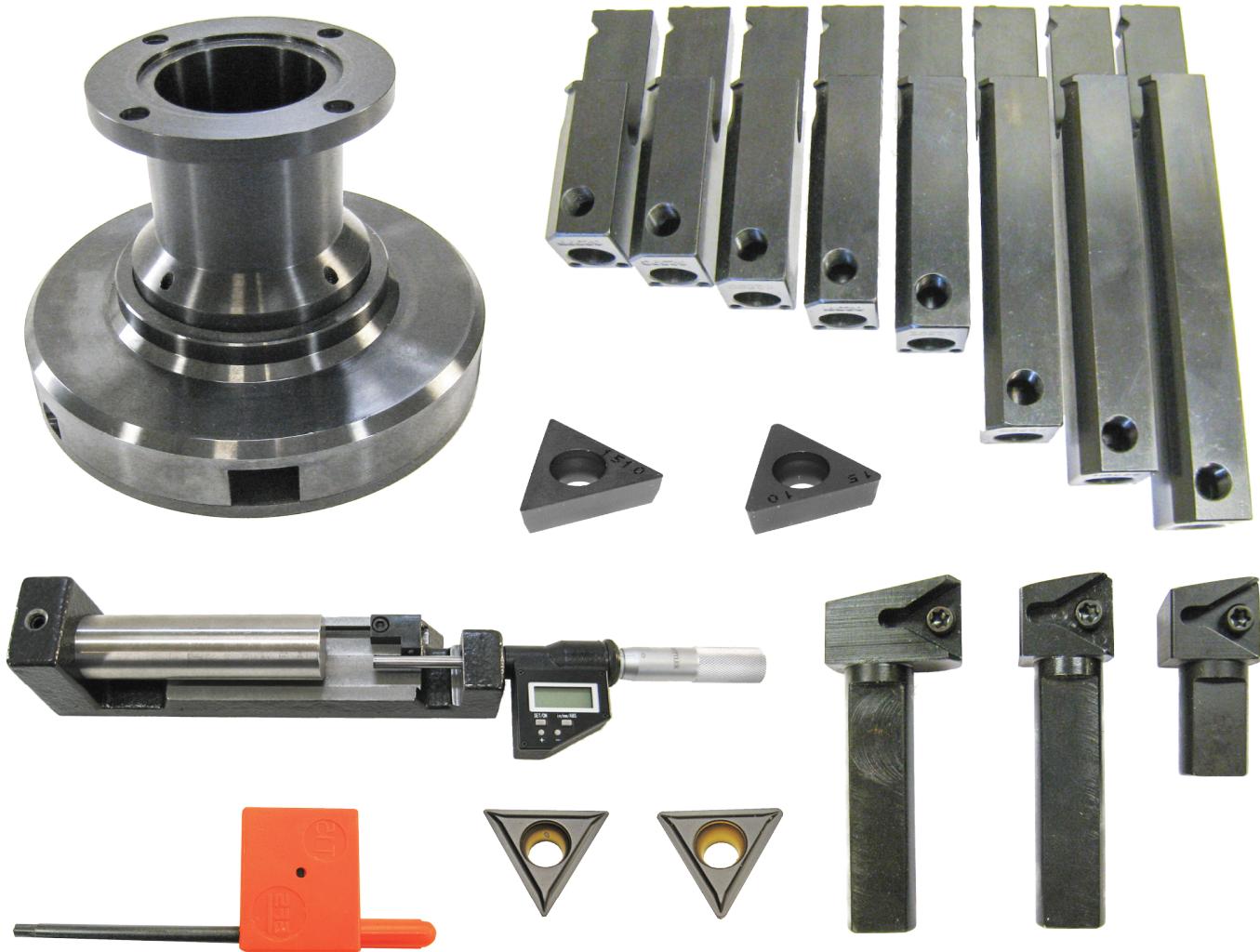
Single Sided

Note: Cutterheads are Not Included With Right Angle Drive and Must be Ordered Separately



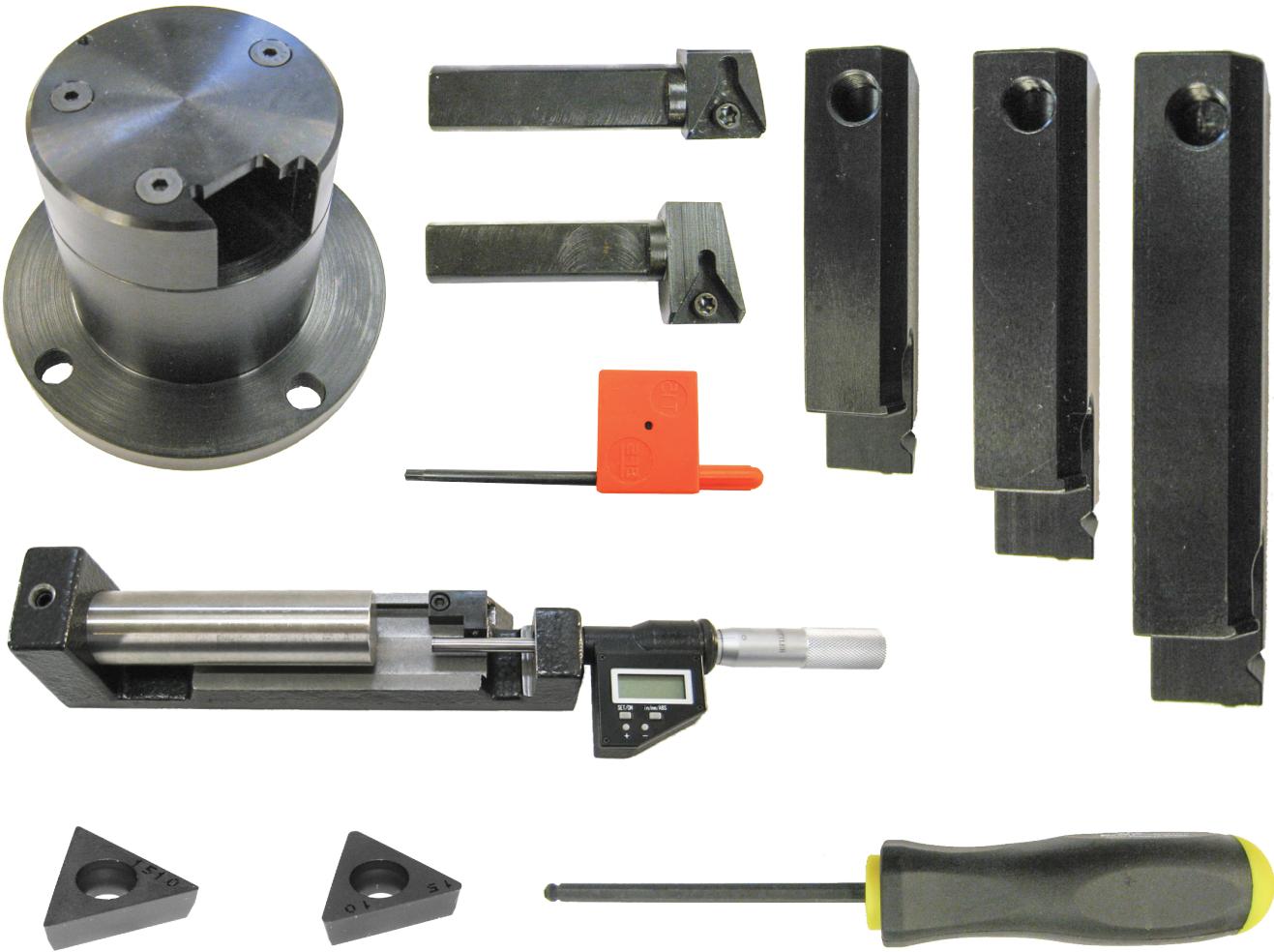
6779A Heavy Duty Line Bore Cutterhead Assembly

8 - 14" (203 - 356mm) Diameter Complete with Tooling and Digital Micrometer



6519V Heavy Duty Line Bore Cutterhead Assembly

6.0 - 8.50" (152.40 - 215.90mm) Diameter X 3" (76mm) Length Complete with Tooling and Digital Micrometer. Minimum Distance Between Bearing Housings 7.94" (102mm)



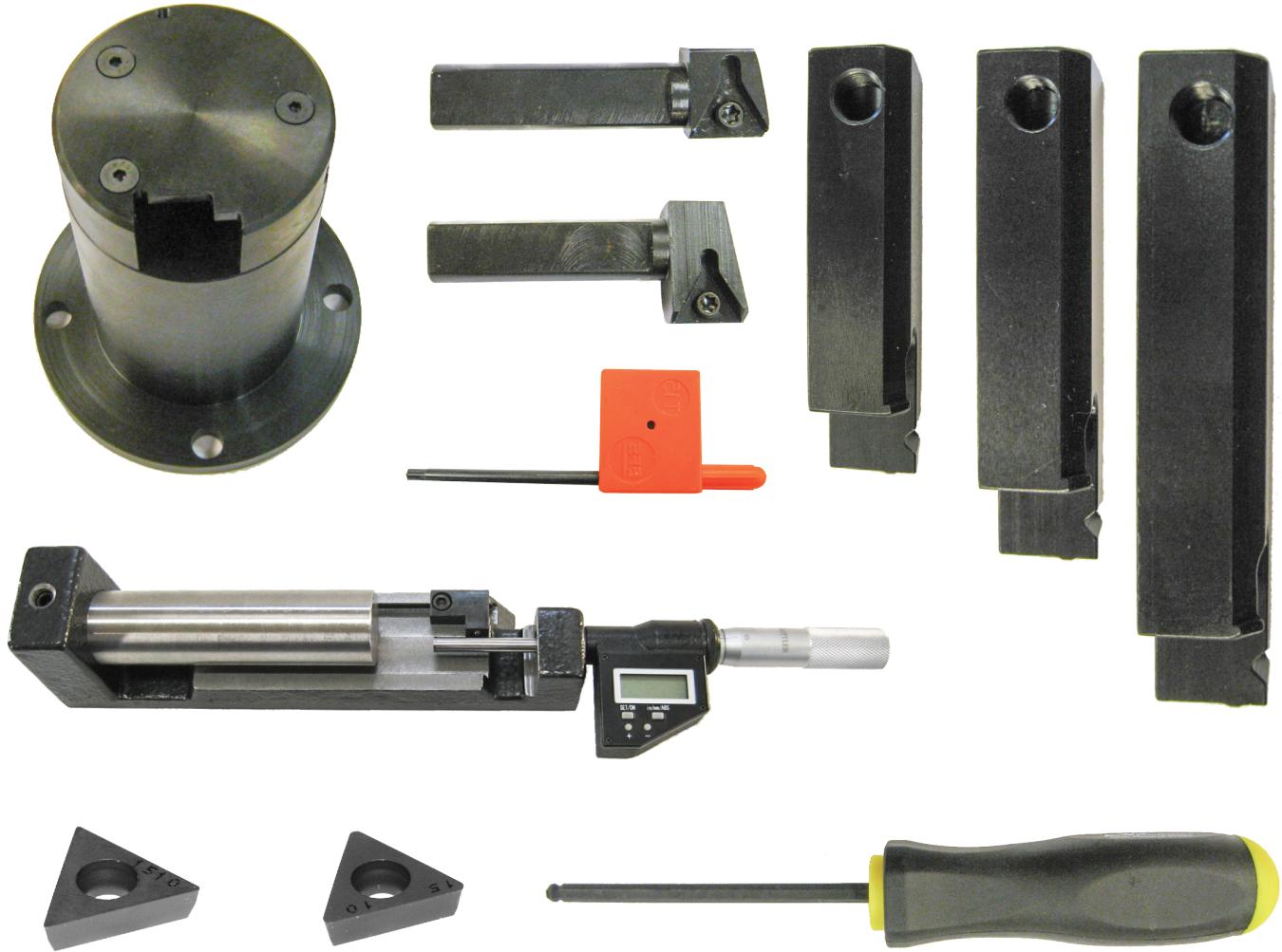
6519P Heavy Duty Line Bore Cutterhead Assembly

6.0 - 8.50" (152.40-215.90mm) Diameter X 4.25" (108mm) Length Complete with Tooling and Digital Micrometer. Minimum Distance Between Bearing Housings 8.94" (227mm)



6519M Heavy Duty Line Bore Cutterhead Assembly

6.0 - 8.50" (152.40 - 215.90mm) Diameter X 5.10" (130mm) Length Complete with Tooling and Digital Micrometer.
Minimum Distance Between Bearing Housings 10.04" (255mm)



6519N Heavy Duty Line Bore Cutterhead Assembly

6.0 - 8.50" (152.40 - 215.90mm) Diameter X 6.0" (152mm) Length Complete with Tooling and Digital Micrometer. Minimum Distance Between Bearing Housings 10.94" (278mm)

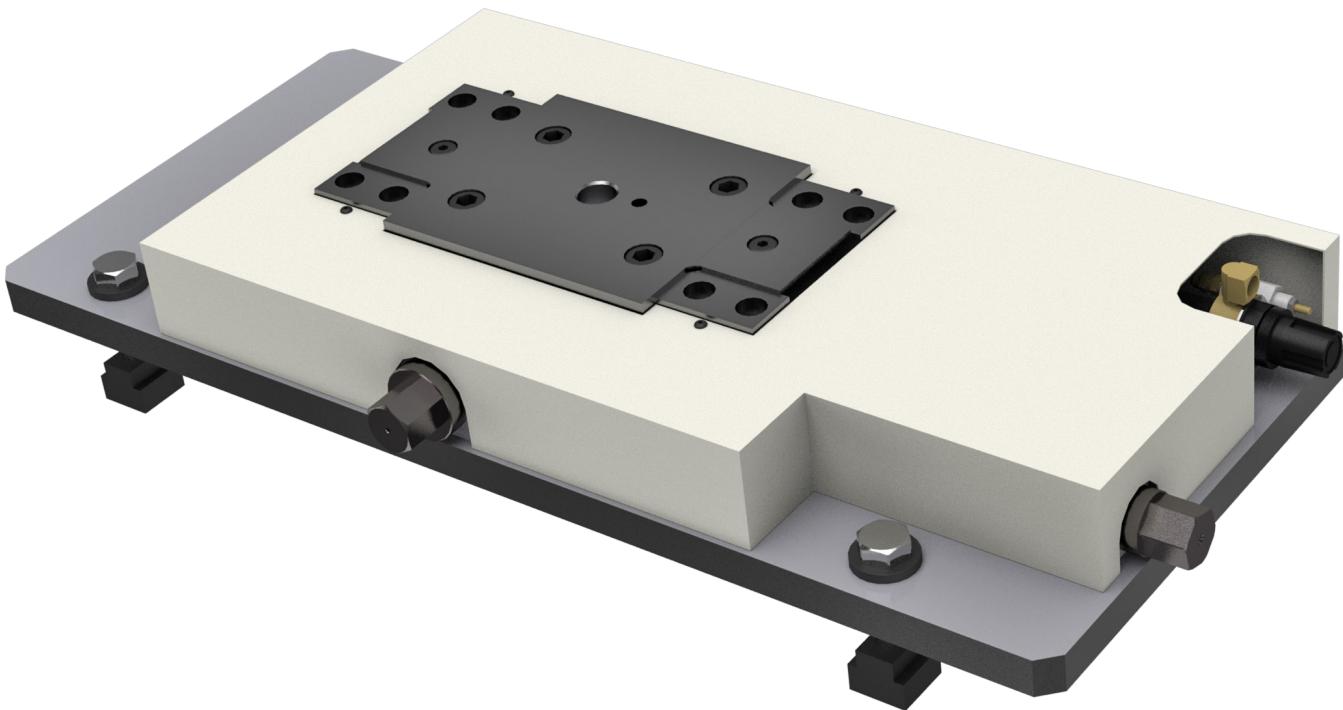


Line Bore Fixturing for Extra Large Blocks

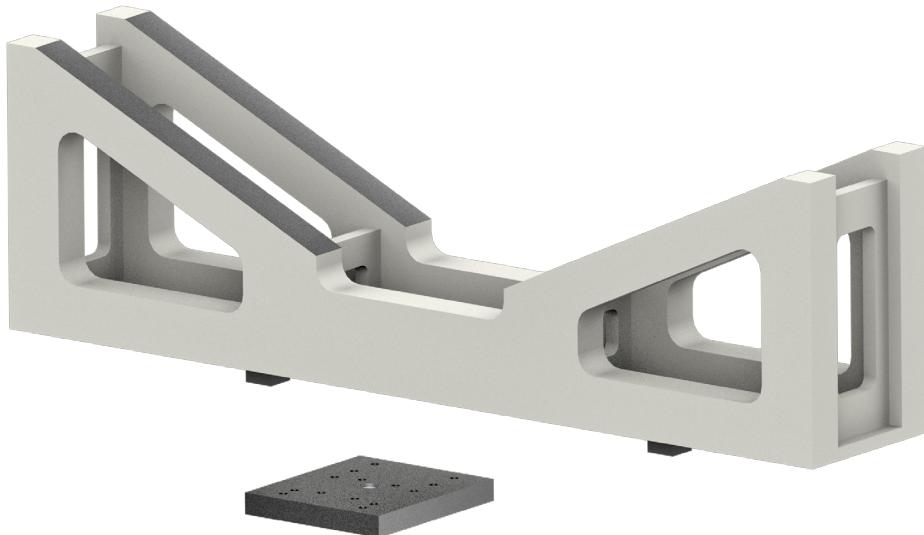
Such as CAT 3600, Waukesha AT, Locomotive EMD and GE Frames, MTU 1163 & 8000

10200 Adjustable Universal Line Boring Fixture

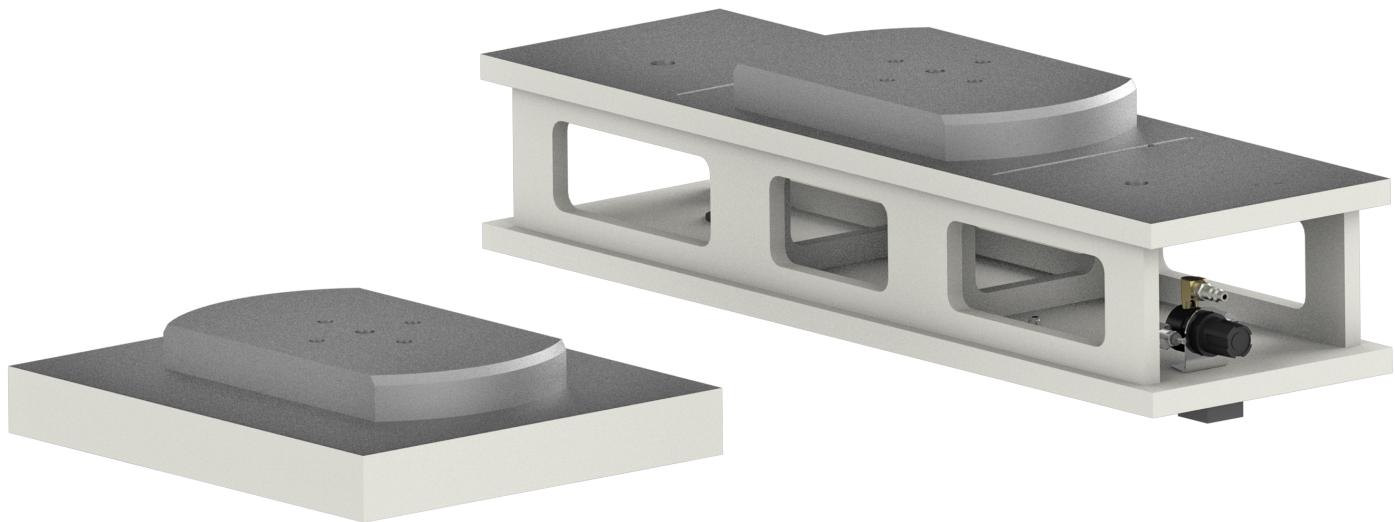
Adapter Package and Support Cradle must be Ordered Separately.

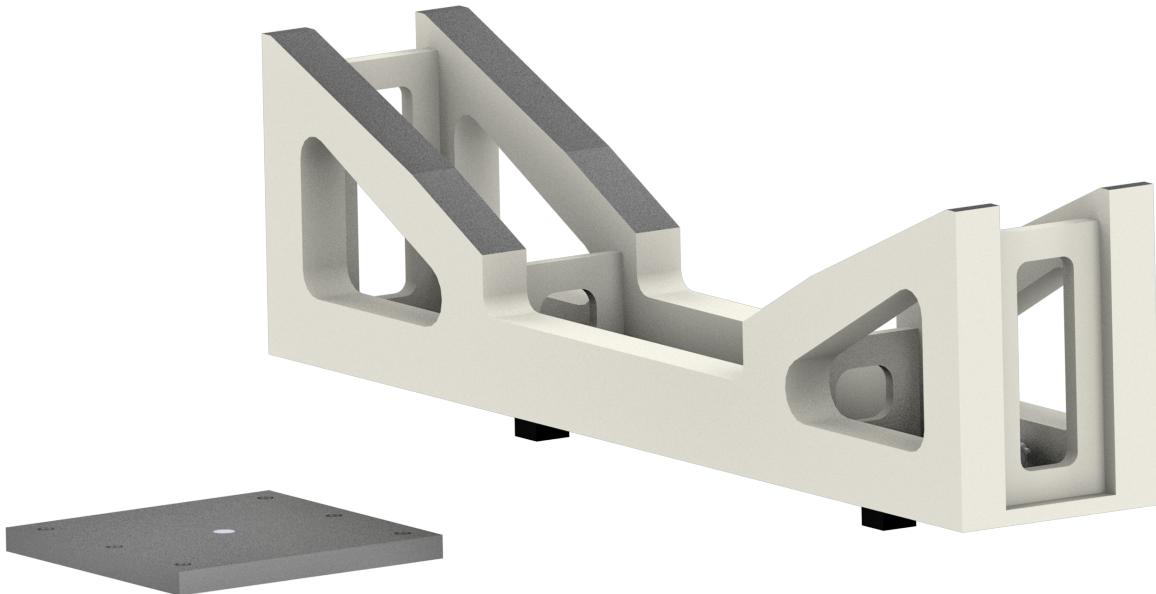
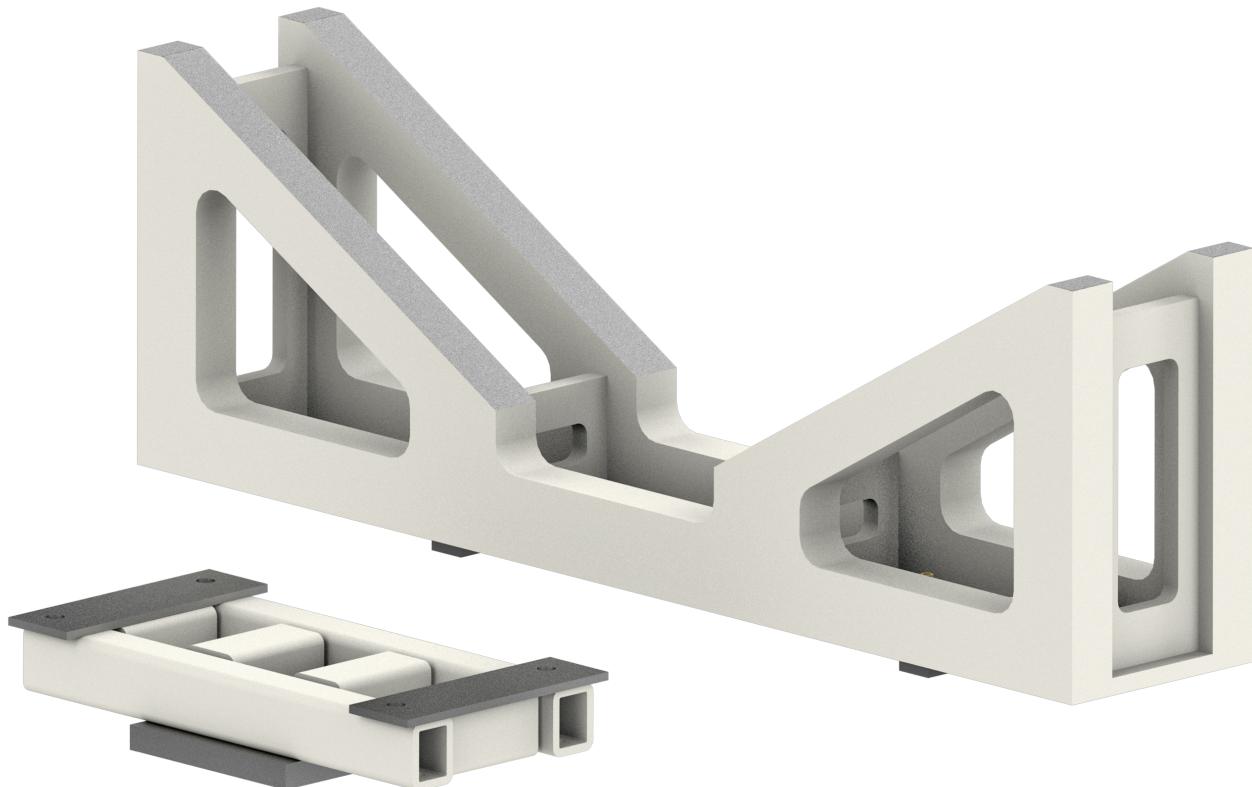
**10200 Boring Fixture Adaptor Packages**

Note: 10200 series fixture packages fit only the 10200 Line Boring Fixture

10201 Adapter Package and Support Cradle for CAT 3600 V blocks

10202 Adapter Package and Support Cradle for Waukesha AT V Blocks**10203 Adapter Package and Support Cradle for Superior 2400 V Blocks**

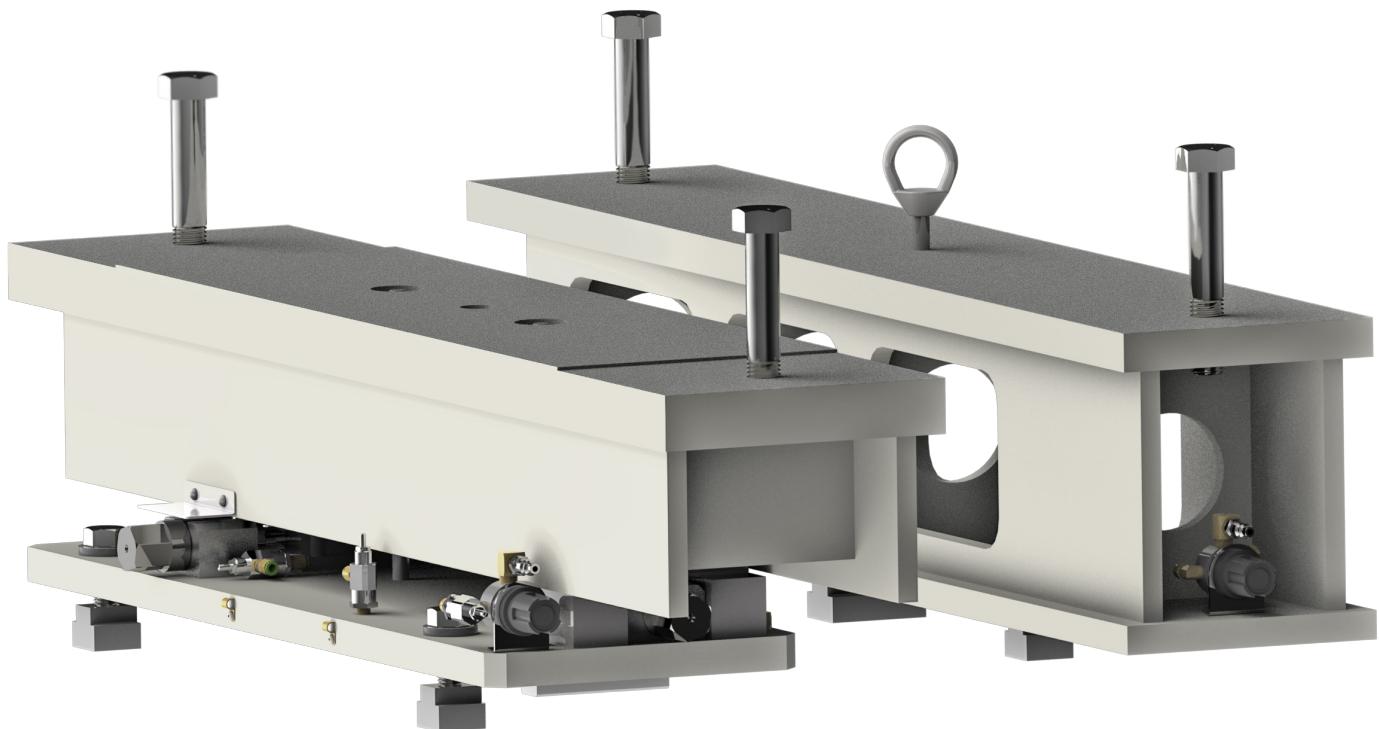
10204 Adapter Package for CAT 3600 In-Line Blocks**10205 Adapter Package and Support Cradle for GE EVO V Blocks**

10206 Adapter Package and Support Cradle for EMD 645 & 710 V Blocks**10207 Adapter Package and Support Cradle for MTU 1163 V Blocks**

10208 Adapter Package and Support Cradle for MTU 8000 V Blocks**Line Bore Fixturing for Large Blocks**

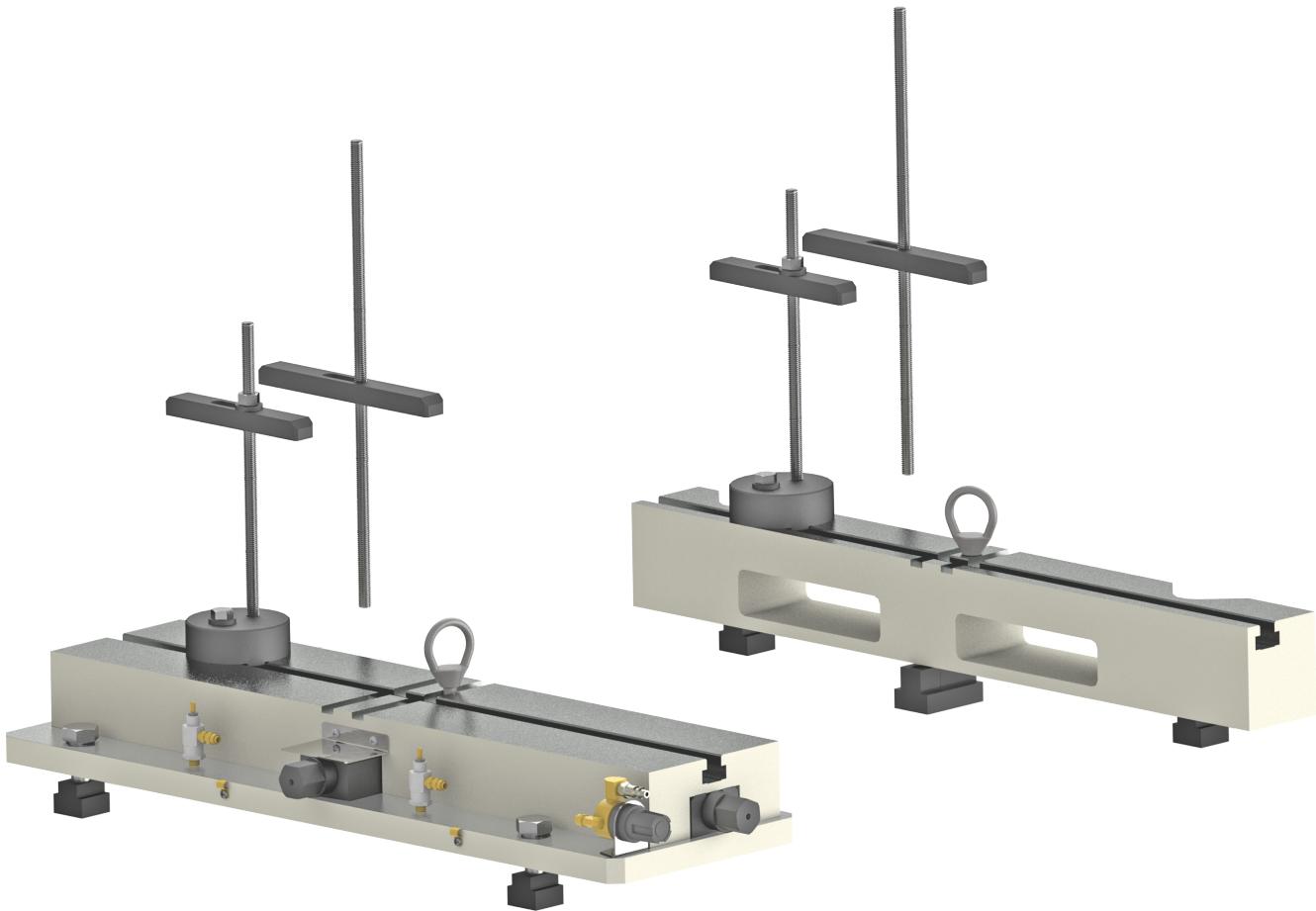
Such as Waukesha 7042, 9390 and White Superior 825 - Requires Parallels 10355

6810 Waukesha 7042, 9390 and CAT 379, 398, 399 Line Boring Fixture

6846 White Superior 12 & 16 G825 Line Boring Fixture - Requires Fixture 6821

Line Bore Fixturing for Large Blocks
Such as CAT 3500, MTU 4000, Cummins QSK**6821 Adjustable Universal Line Boring Parallel Assembly**

Includes Locators for Mid Range In-Line Blocks.
Supports for V Blocks Must Be Ordered Separately.



6823B 120 Degree V Block Supports for Large 120 Degree V Blocks
Such as CAT 3500, Komatsu 170 for use on Adjustable Parallels 6821**6823E 90 Degree V Block Supports for Large 90 Degree V Blocks**
Such as MTU4000 for use on Adjustable Parallels 6821

Line Bore Tooling for Small to Large Blocks and Heads**10133A Straight 90 Degree Right Angle Drive Assembly**

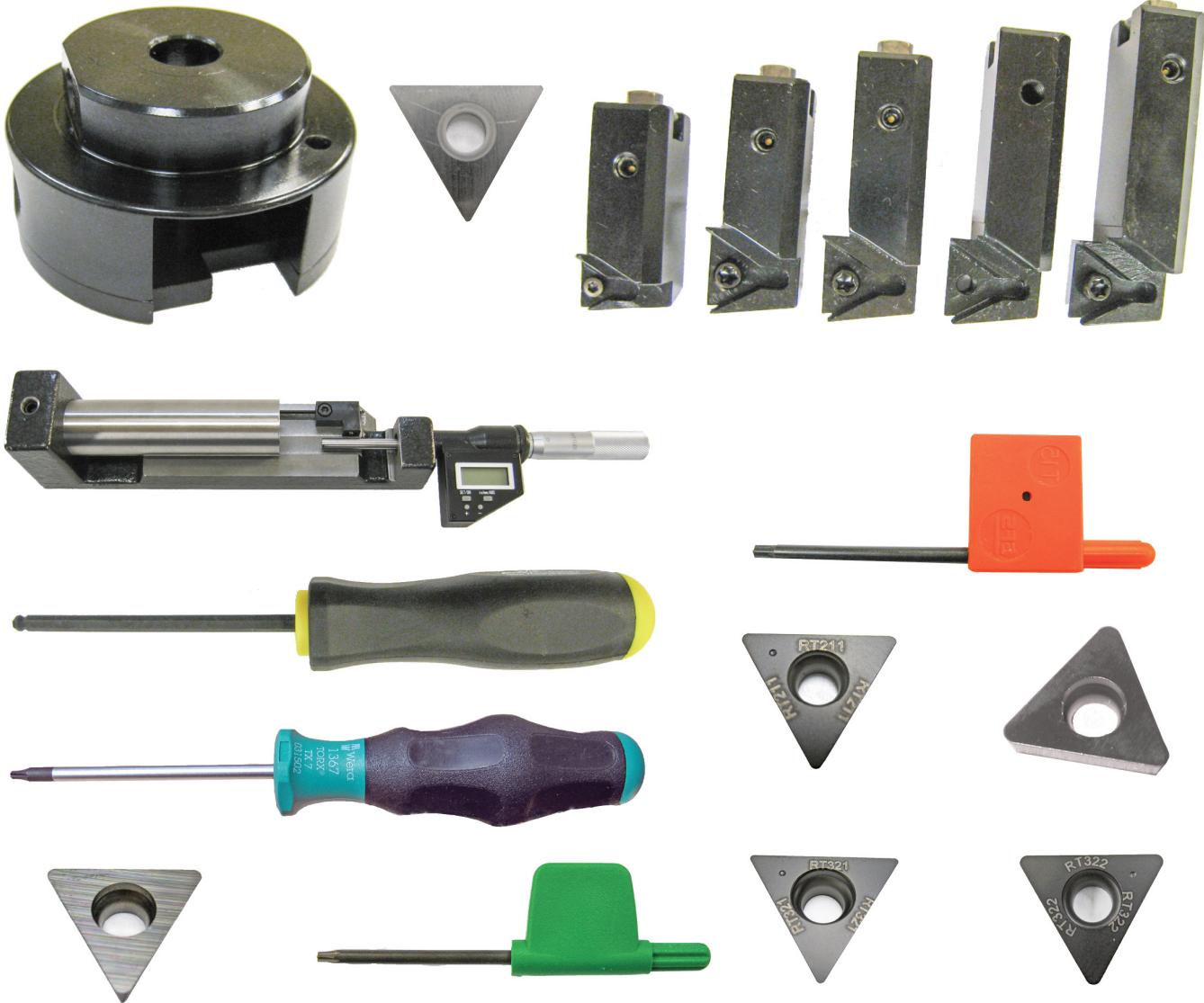
For Medium to Large Blocks. Includes a .41" (10.41mm), .700" (17.78mm), 1.05" (25.725mm), 1.215" (30.86mm) and 1.50" (38.10mm) spacer

Note: Cutterheads are Not Included with Right Angle Drive and Must be Ordered Separately



650-2-39B Cutterhead Assembly Line Boring

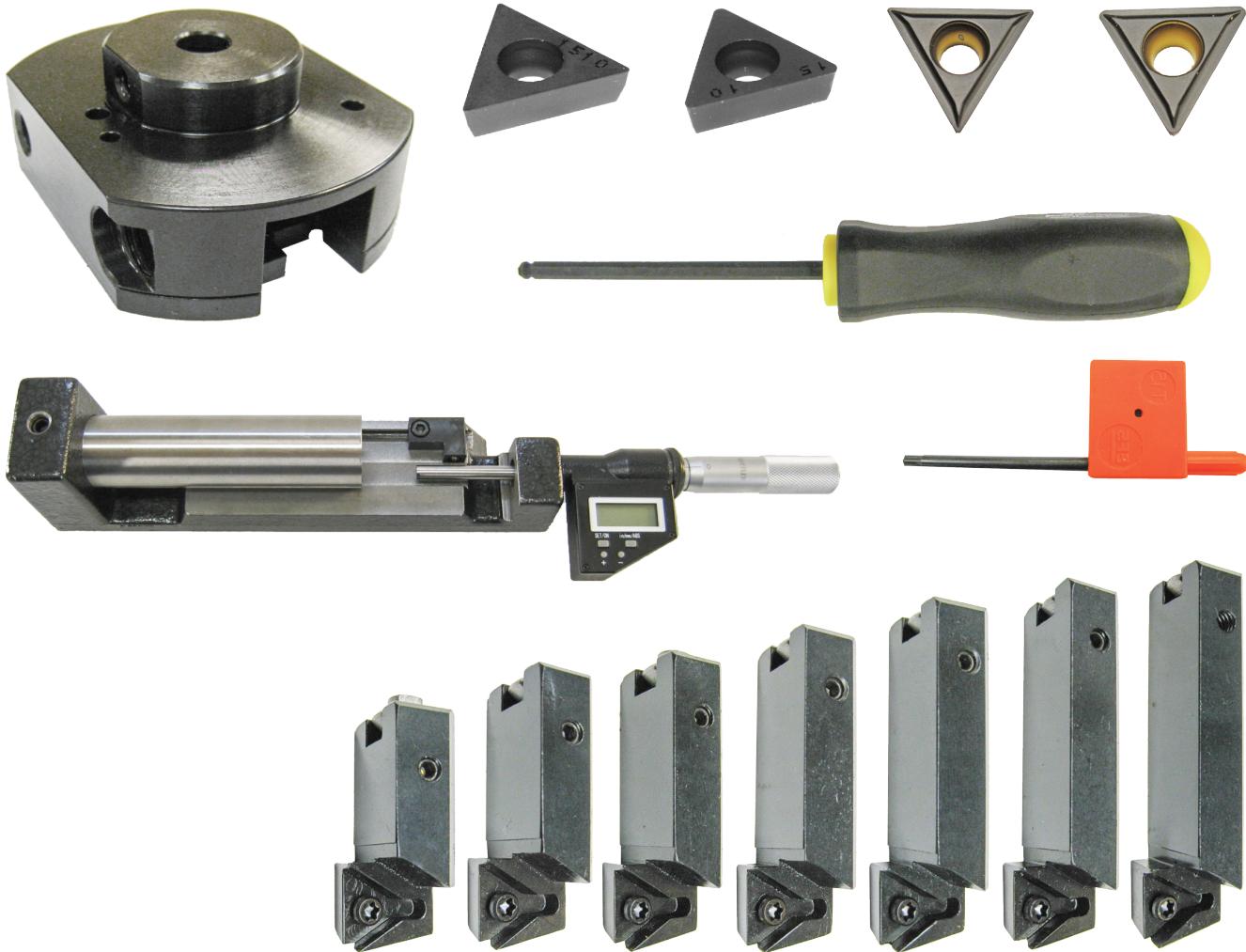
1.9 - 4.0" (48.26 - 101.60mm) diameter complete with tooling and Digital Micrometer (When used with 6753J Drive, minimum distance between bearing housings 3.29") (83.6mm)



650-2-39C Cutterhead Assembly Line Boring

2.9 - 5.6" (73.66 - 142.24mm) diameter complete with tooling and Digital Micrometer. When used with 6753J Drive, minimum distance between bearing housings 4.18" (106.2mm)

Note: Cutterheads are not included with Right Angle Drive and must be ordered separately



650-2-39A Cutterhead Assembly Line Boring

5.4 - 8.1" (137 - 206mm) diameter complete with tooling and Digital Micrometer. When used with 6753J Drive, minimum distance between bearing housings 4.19" (106.4mm)

Note: Length of Bores can be Increased with Extension Spacers. The Addition of Extension Spacers will Increase the Minimum Distance Between Bearing Housings by the Length of the Spacer. Allow for Some Clearance Either Side of the Assembly for Safety

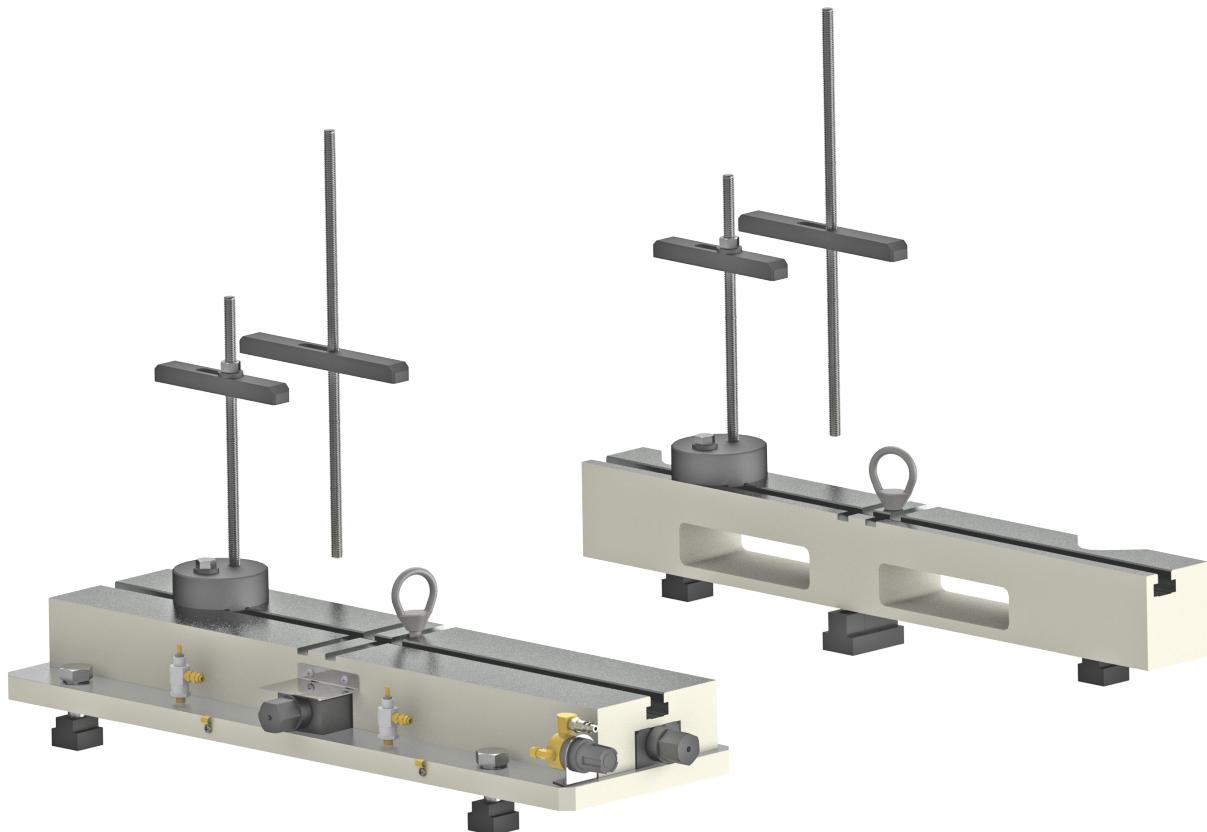


Line Bore Fixturing for Small to Large Blocks and Heads**650-3-56 Line Bore Pivot Table Fixture**

Complete with Universal Work Holding System for Small In Line and 90 Degree V Blocks, Includes 6843 90 Degree V Block Supports. Also Used for Setting Up Cylinder Heads Such as CAT3406E and Detroit 50/60 Series for Camshaft Line Boring.

**6821 Adjustable Universal Line Boring Fixture Assembly**

Includes Locators for In-Line Blocks, Supports for V Blocks Must Be Ordered Separately, Listed Below.

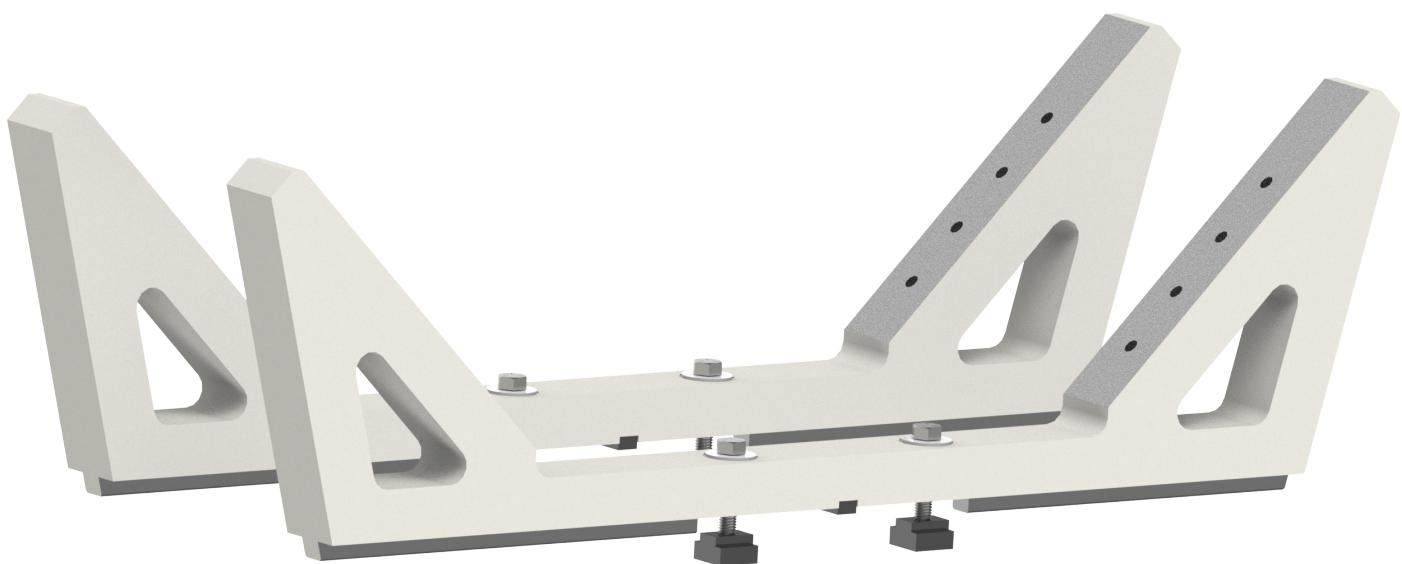


6843 90 Degree V Block Supports

For Small To Mid-Size 90 Degree V Blocks for use on Line Bore Fixtures 6821 and 11113

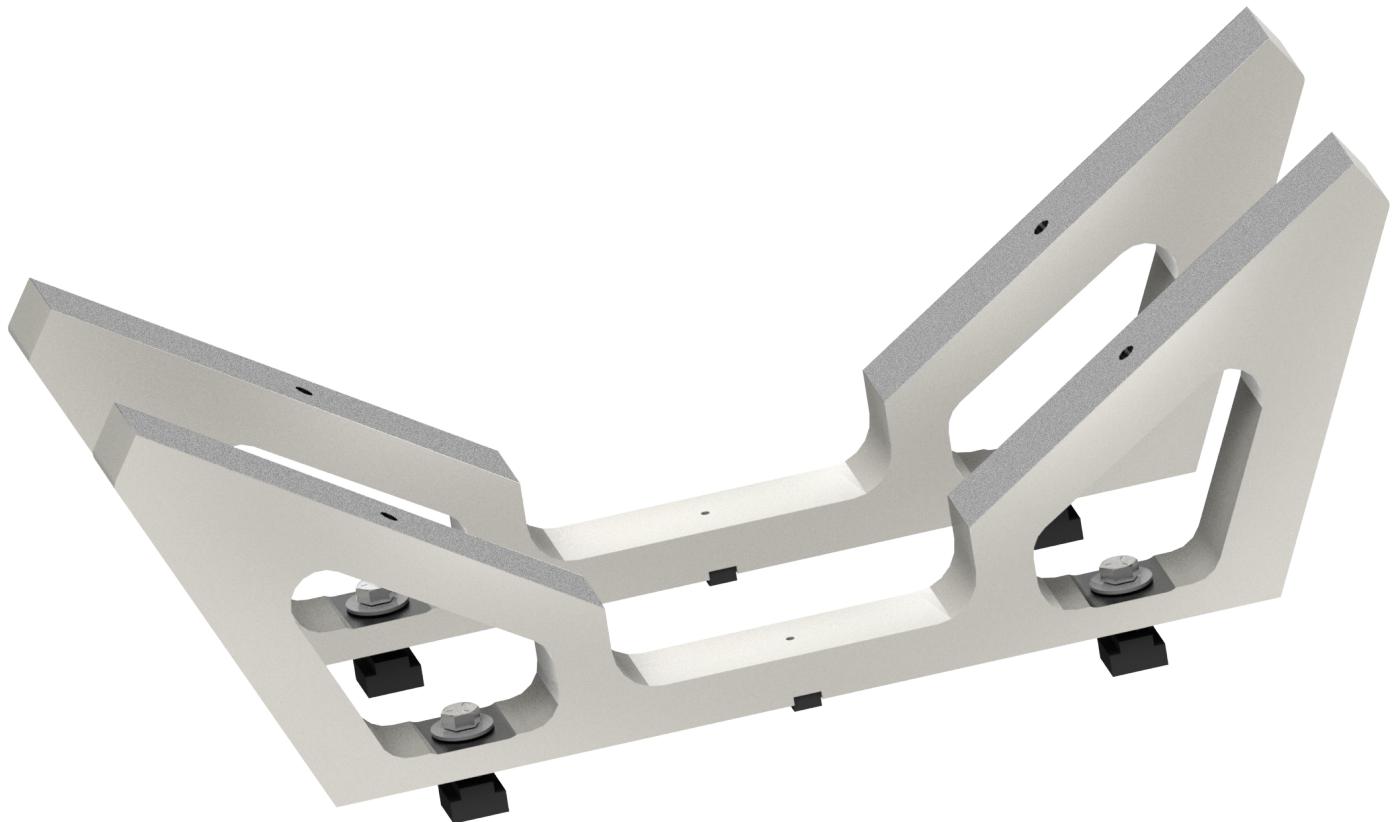
**6823E 90 Degree V Block Supports**

For Large 90 Degree V Blocks Such as MTU4000 for use on Line Bore Fixture 6821



6789L 113 Degree V Block Supports

For Detroit Diesel V53 for use on Line Bore Fixture 6821 and 11113

**6789N 116 Degree V Block Supports**

For Detroit Diesel V71 & V92 for use on Line Bore Fixture 6821 and 11113



6789E 115 Degree V Block Supports

For CAT 3400 for use on Line Bore Fixture 6821 and 11113

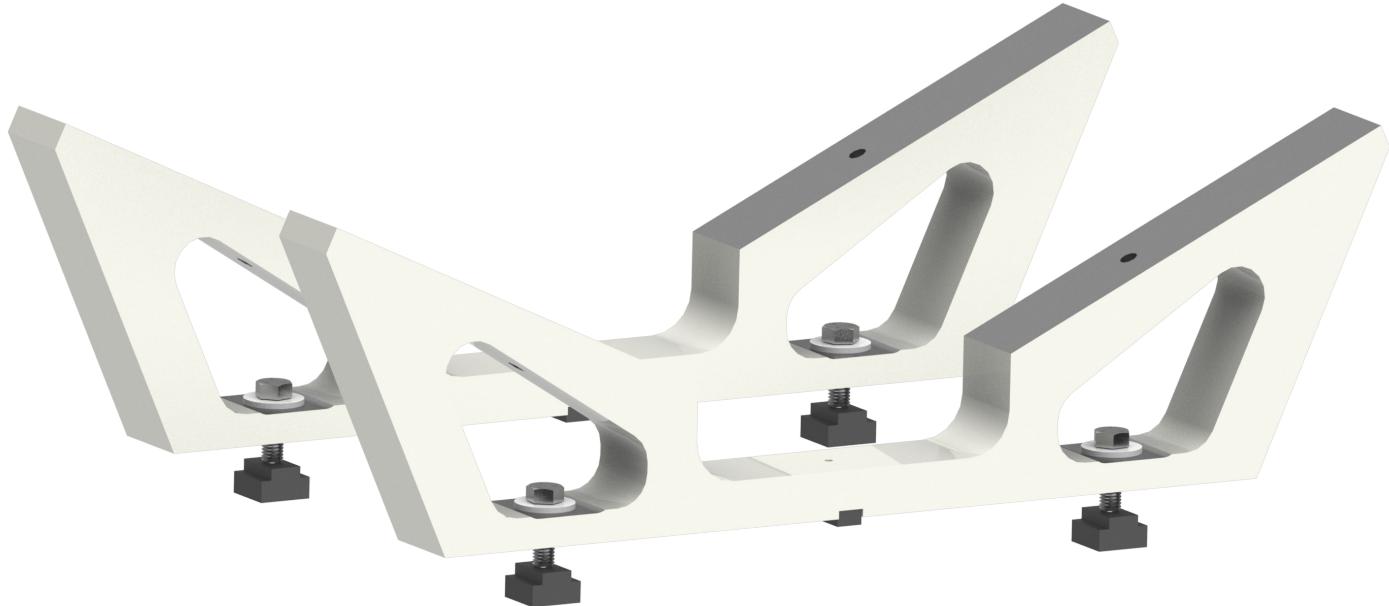
**6823B 120 Degree V Block Supports**

For Large 120 Degree V Blocks such as CAT 3500, Cummins K & QSK, Komatsu 170 for use on Line Bore Fixture 6821



6789K 130 Degree V Block Supports

For Komatsu 140 for use on Line Bore Fixture 6821

**6789Q 140 Degree V Block Supports**

For Cummins 1710 for use on Line Bore Fixture 6821

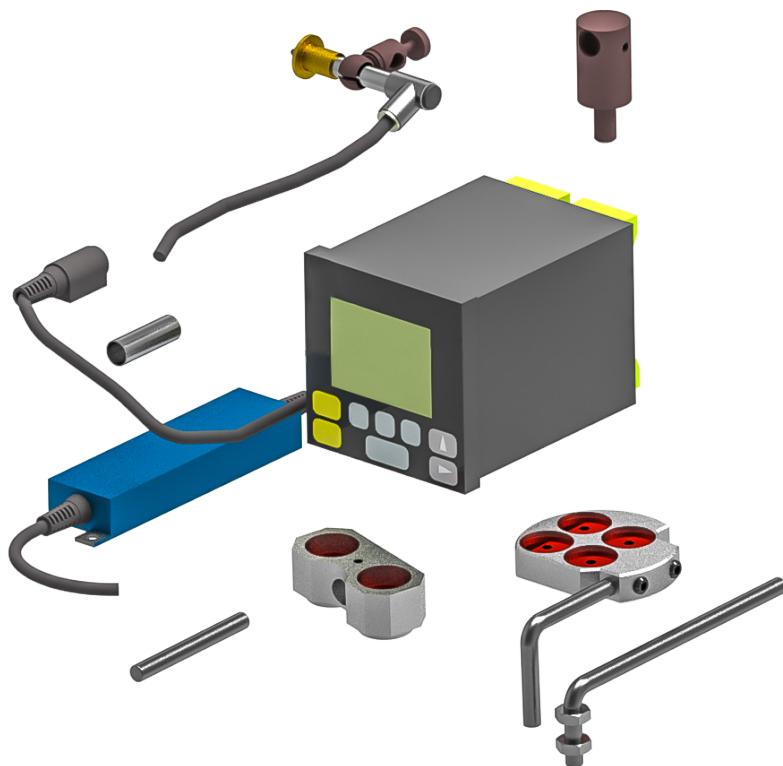


Line Bore Set Up and Alignment Equipment**6889B Adapter**

Including Radio Probe and Stylus to check main line alignment ,
requires Software Package 10200A and Radio Probe 650-3-59X.
Note: Main Line probing is only available for very large blocks such as
EMD and GE locomotives.

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

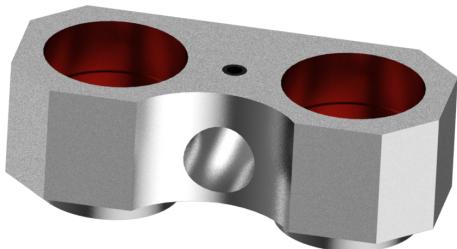
Including Magnetic Holder for Block Set Up and Manual Centering of Cylinder Bores and Main Line Bores



502-12-4 General Purpose Magnetic Indicator Holder
(Requires #502-9-9A or J Indicator)



502-12-4A Magnetic Indicator Holder
For 2 - 3" (50 - 75mm) Diameter (Requires 502-9-9A Or J Indicator)



502-9-9A Mechanical Run Out Indicator
General Purpose (.001" Inch Resolution)

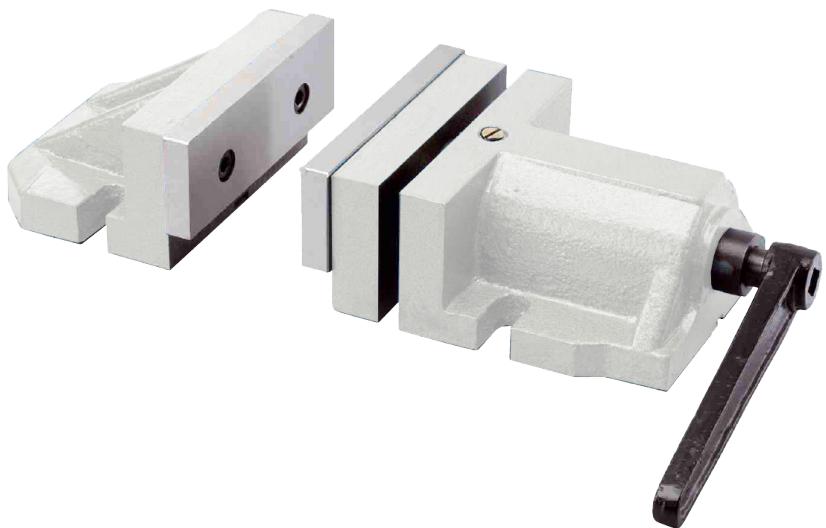


502-9-9J Mechanical Run Out Indicator
General Purpose (.01mm Metric Resolution)

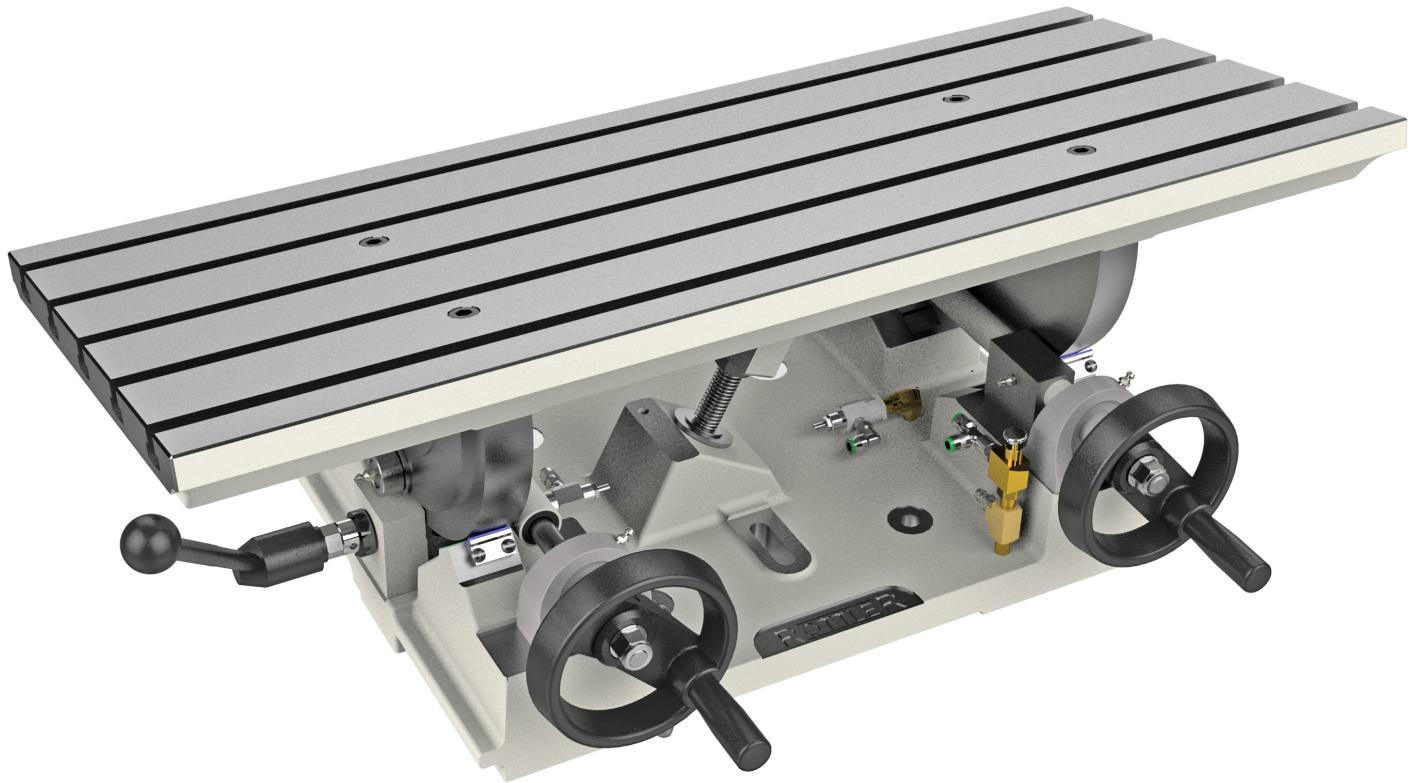


Equipment for Preparing Blocks for Line Boring**7209N 2-Piece Vise**

For Surfacing Main Bearing Housing Caps in Preparation for Main Line Boring. also used for Holding Exhaust Manifolds for Surfacing. Requires 7209M Leveling Table.

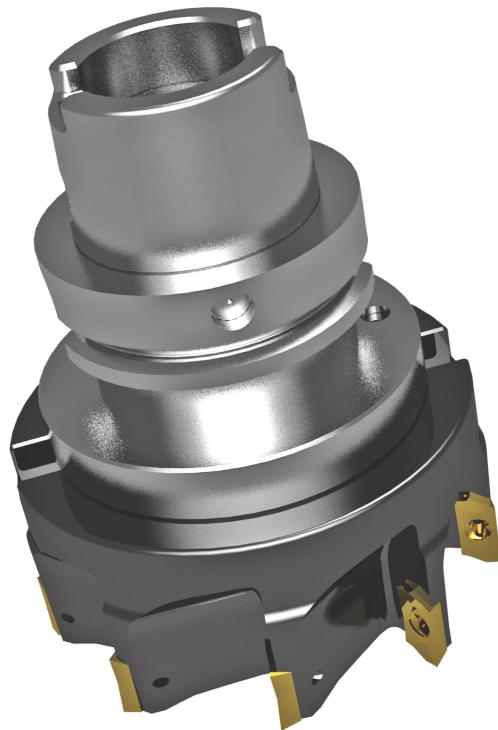
**7209M Leveling Table With Air Float**

Complete with Universal Work Holding System for Surfacing Cylinder Heads and Manifolds. Requires One Set of 6370C Parallels

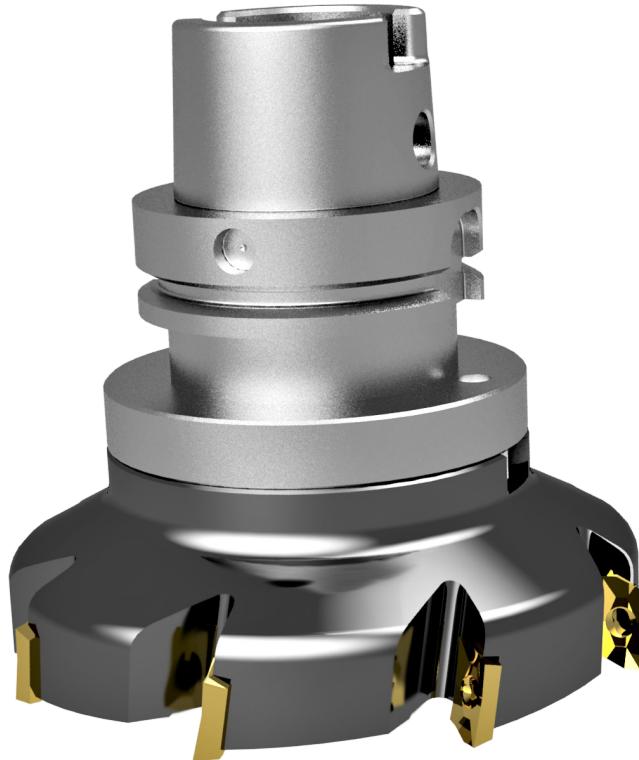


10129 Shell Mill

5" (127mm) Diameter for Surfacing Main Bearing Cap Register Face in Blocks in Preparation for Main Line Boring

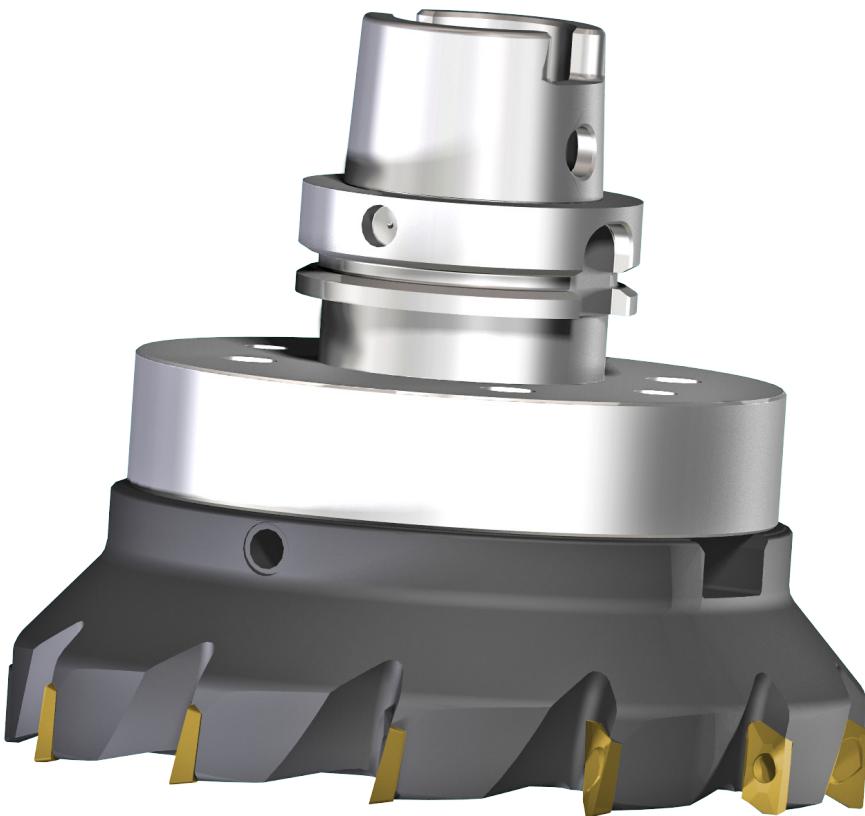
**10130 Shell Mill**

6" (152mm) Diameter for surfacing main bearing cap register face in blocks in preparation for main line boring



10109C Shell Mill

8" (203mm) Diameter for surfacing main bearing cap register face in blocks in preparation for main line boring

**6514T Insert**

For 6514L & 6514V Shell Mills, .030" (0.8mm) Corner Radius, different radius available on request

**6514Y Insert**

For 6514L, 6514V & 6514W Shell Mills, .125" (3.2mm) Corner Radius, different radius available on request



Equipment for Facing Thrust Bearing Surfaces for Main Line**6855C Thrust Facing Tooling Package**

For main line bore for small to large blocks



**6855G Thrust facing tooling package**

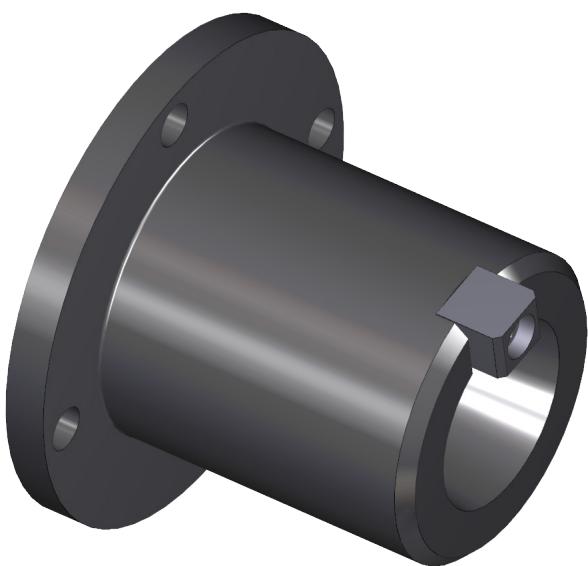
For main line bore for extra large blocks

Special Tooling for Block End Machining

Requires Heavy Duty Right Angle Drive 6773F or 6779K

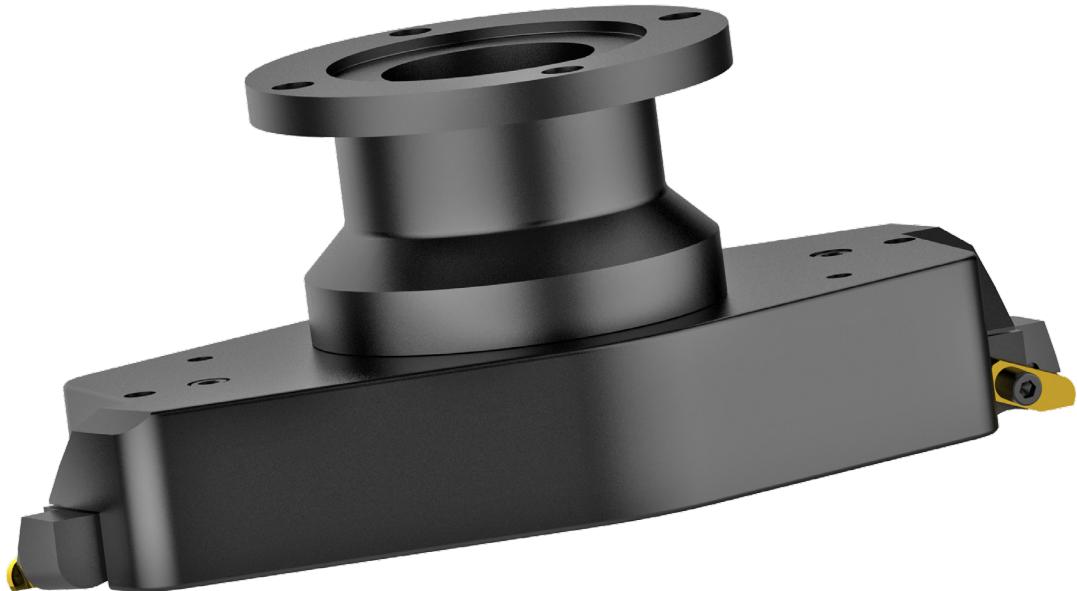
6779H Adaptor for 40 Taper Tooling

Such as 6648K Collet Kit

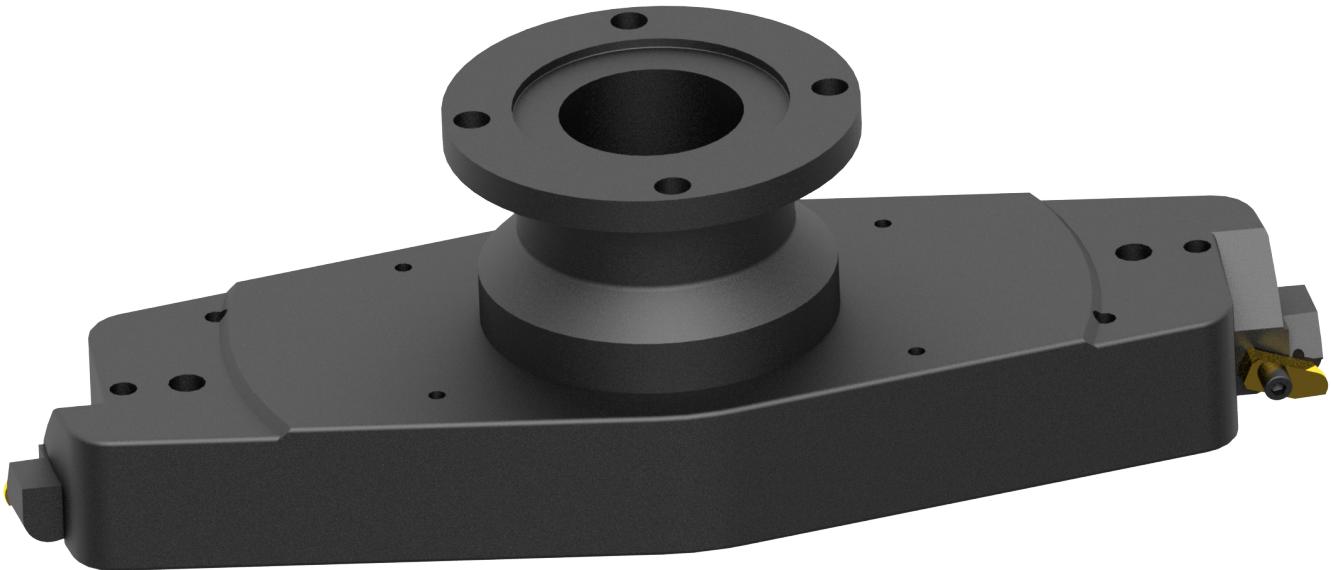


6779L 10" (250mm) Diameter Surfacing Cutterhead Assembly

Complete with Tool holders for .375" (9.52mm) round or square inserts for Block End Surfacing

**6779M 14" (360mm) Diameter Surfacing Cutterhead Assembly**

Complete with Tool holders for .375" (9.52mm) round or square inserts for Block End Surfacing

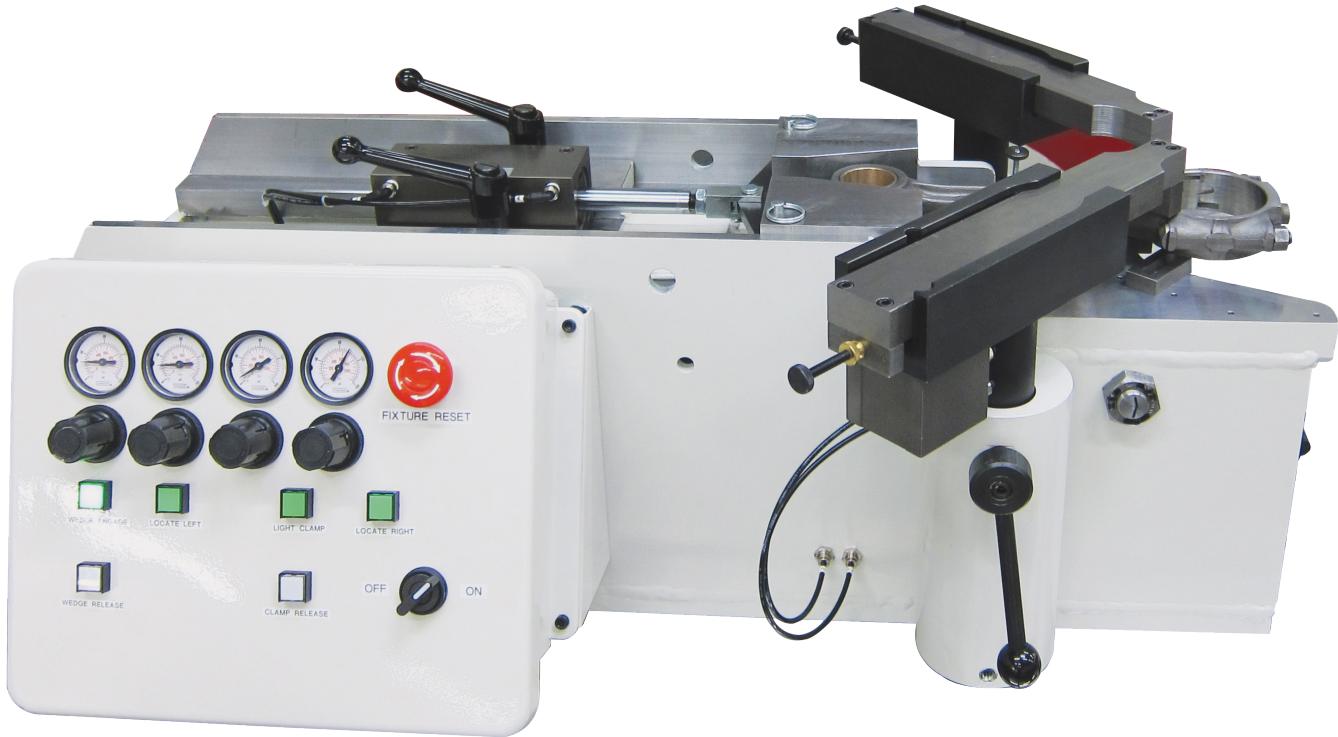


6779N Crossfeed Head Assembly
Heavy Duty Offset 90 degree right angle drive

Connecting Rod Fixturing and Tooling

650-3-44R Rottler Precision Connecting Rod Fixturing System

Approximately 8 - 24" (203 - 610mm) center distance - requires (1) pair of 6370C



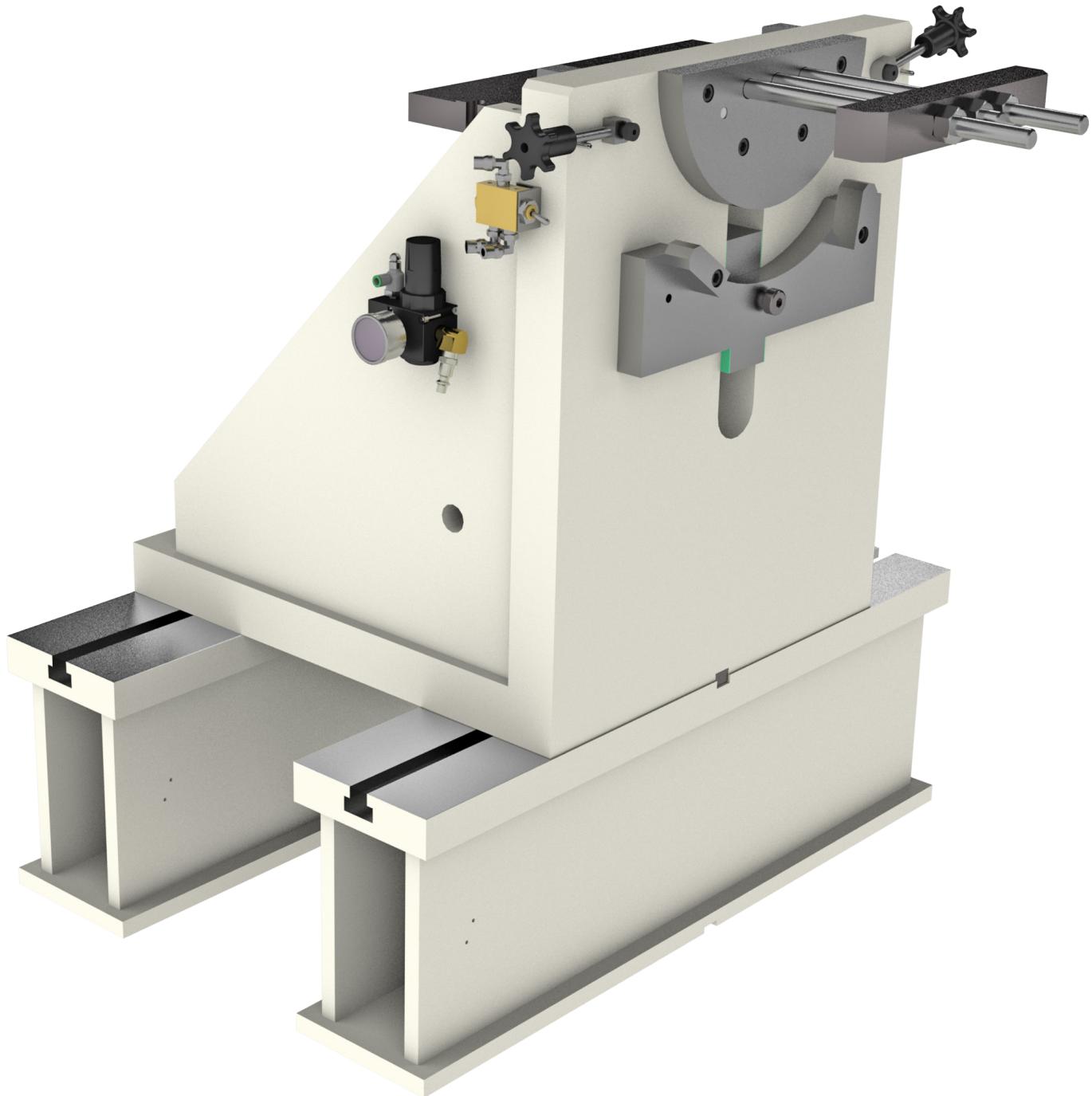
Fixturing & Tooling for Machining Large Engine & Compressor Connecting Rods**650-3-64 Rottler Precision Connecting Rod Fixturing System**

Special Version to Handle Natural Gas Compressor Connecting Rods and Large Engine Connecting Rods Such as Waukesha 7042 and White Superior 825 - Requires (1) Set of 6370C Parallels



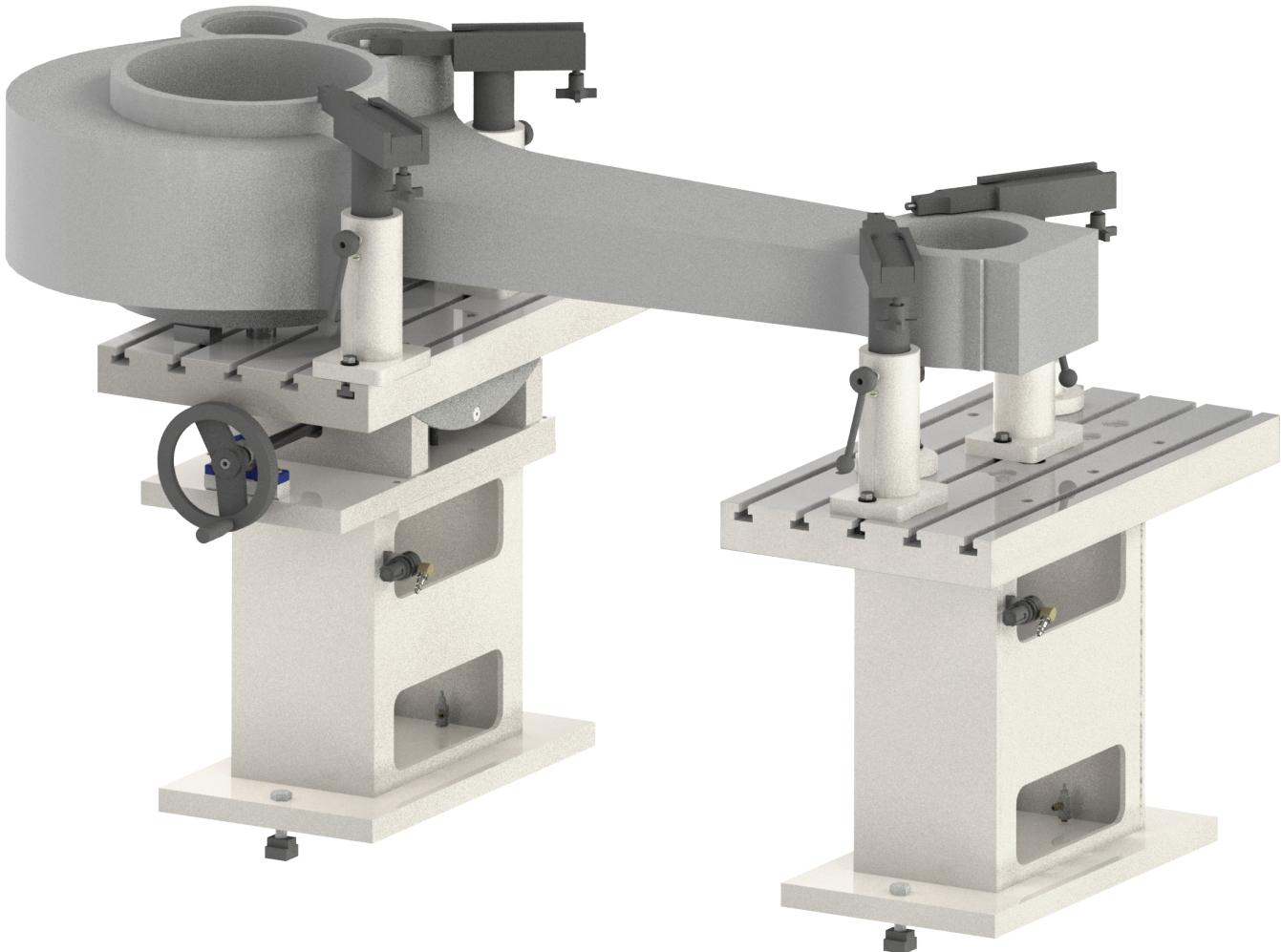
650-3-66 Rottler Precision Compressor Conrod Cap Surfacing Fixture

Requires (1) Set 6370Z Parallels



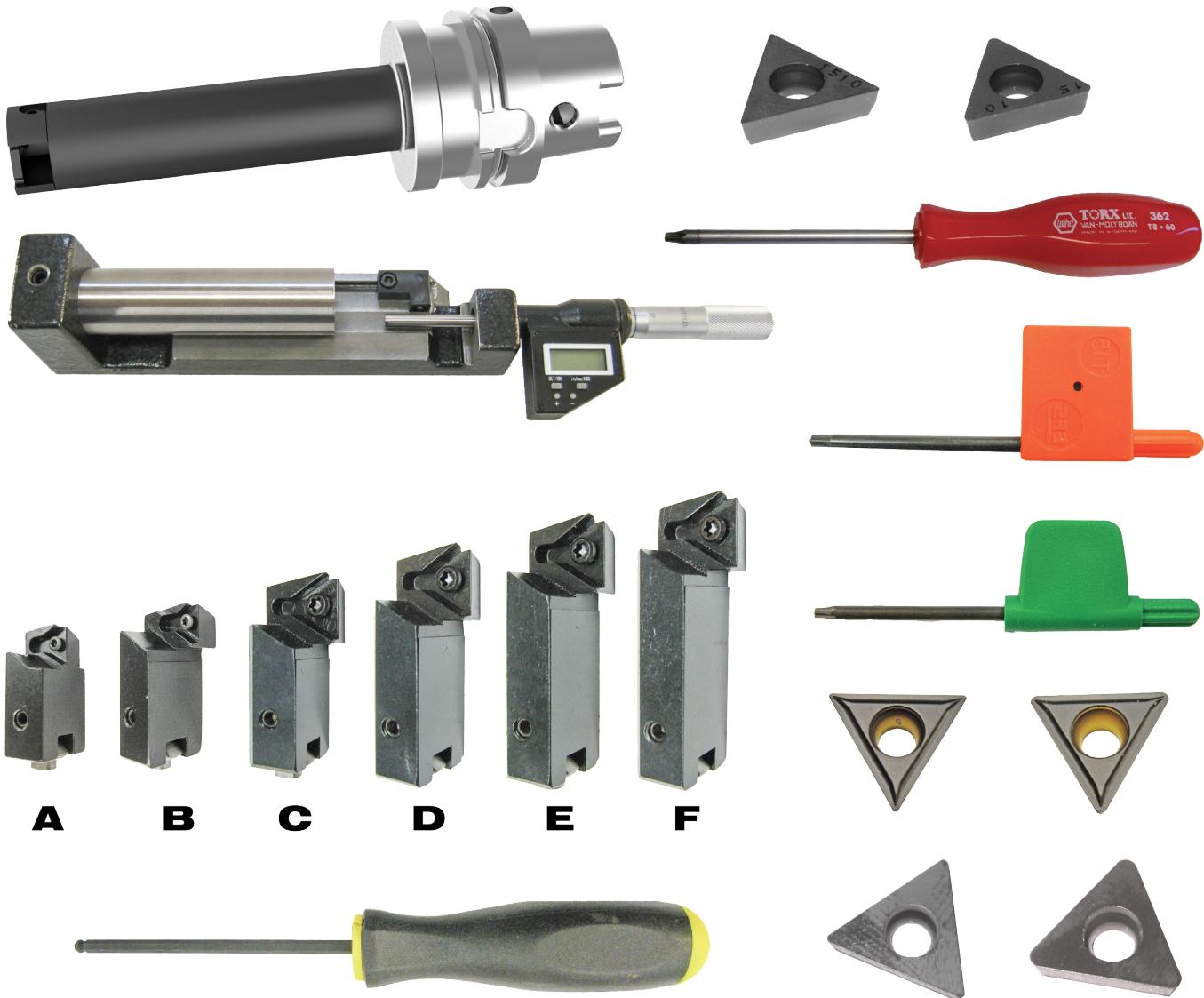
6870 Rottler Precision Connecting Rod Boring Fixturing System

For extra large and heavy connecting rods such as Ajax integral engine-compressors. Fixture consists of 2 parts mounted on air float supports.



Tooling for Connecting Rod Boring**10118 Blind Hole Cutterhead Assembly**

1.5 - 4.2" (38 - 107mm) Diameter X 6.5" (165mm) Length Complete With Tooling and Digital Micrometer



10131 Blind Hole Cutterhead Assembly

2.9 - 8.0" (74 - 203mm) Diameter X 9.3" (236mm) Length Complete With Tooling and Digital Micrometer



Enclosure

Optional full enclosure with sliding doors and large viewing windows.

Note: Enclosure is free standing and supplied as a kit. Mounting holes in foundation are required for installation. Installation is customer responsibility.

Image Currently Unavailable

Operator Safety Platform

10033D Elevated Operator Platform

Attaches to front of bed with rails to allow operators safe access top of workpiece.



10400 Vertical Turing Lathe

For machining parts such as wheel hubs. T Slot table Diameter 70" (1,780mm), Weight Capacity 10,000lb (4,546kg), Variable Rotational Speed up to 80rpm. Includes software and fastening system to hold wheel hubs. Requires special foundation for installation next to EM109H.

There will be extra costs for shipping, installation and training, price on application.

Shown with shipping cradle.

Extensive foundation work required for installation.

