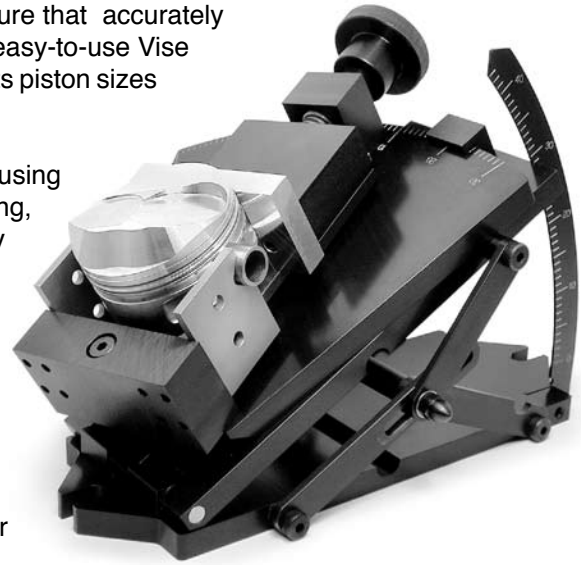


Compound Angle Piston Vise

BHJ's Compound Angle Piston Vise is a precision machining fixture that accurately & securely mounts pistons for a wide variety of operations. The easy-to-use Vise holds pistons firmly, yet delicately from the pin centerline & accepts piston sizes ranging from 2.375" to 5" in diameter.

Accurate positioning is ensured both horizontally & vertically using durable heat-treated steel V-Jaws for pin clamping & an opposing, soft aluminum V-Block to ensure skirt protection. This assembly is mounted on a Tilt/Swivel Base that is equipped with large, easy-to-read Protractors for angle setup in both planes & is ready to mount on any milling table.

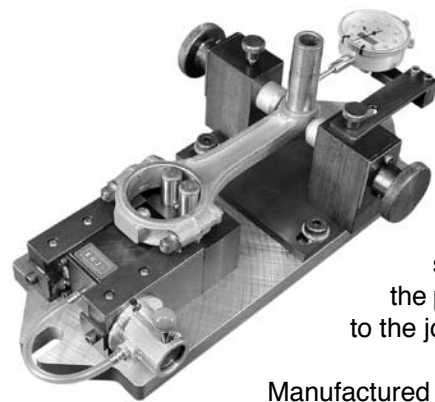


All moving parts that are subject to wear are made from alloy steel. The Tilt/Swivel Base assembly is made from alloy aluminum tooling plate for weight considerations & then hard anodized for maximum durability.



BHJ's Piston Flycutter Set (left) is also available separately and includes three Flycutters in .750", 1.125", and 1.500" sizes.

Connecting Rod Fixture

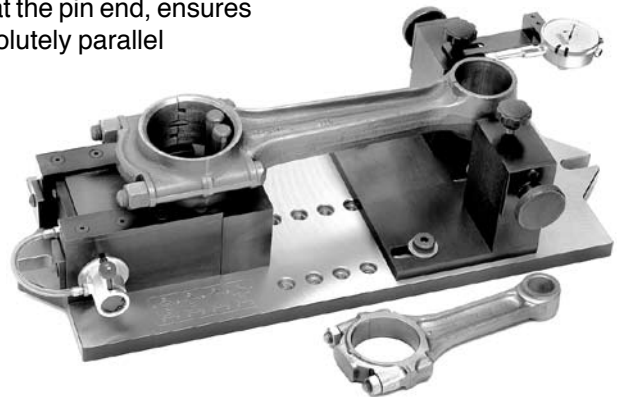


BHJ's Connecting Rod Fixtures provide a highly accurate way to bore the small end of connecting rods for pin bushing installation. The rod is held securely while the small end is bored using a common vertical-milling machine.

Both Fixtures provide a rigid, quick and repeatable method of holding the connecting rod during the pin boring operation. The unique three-point pneumatic clamping mechanism at the journal end, in conjunction with a two-sided mechanical clamp at the pin end, ensures the pin bore is machined absolutely parallel to the journal bore.

Manufactured from heat-treated alloy steels, the CRF-1B Connecting Rod Fixture (above-left) is designed to accommodate automotive connecting rods with a center-to-center distance range from 5.500" to 7.750".

For a wider variety of rod lengths, the CRF-2 Connecting Rod Fixture (right) incorporates a similar, yet larger and more flexible design. Weighing over 90 pounds, the adjustable CRF-2 securely holds connecting rods with a center-to-center distance range of 3.00" to 14.00". Both Connecting Rod Fixtures require 100-psi minimum air pressure for operation.



Available options include application-specific Set-Up Standards (left), which enable accurate set-up at the correct center-to-center distance and a rod-length checking Dial Indicator and Bracket Kit, (shown installed above) which allows either Fixture to double as a rod length gauge to make comparative measurements using a qualified connecting rod.



BHJ's adjustable Connecting Rod Pin-End Boring Head (right) is also available separately for accurate boring of the pin-end of connecting rods on typical milling machines.

Rotating Assembly