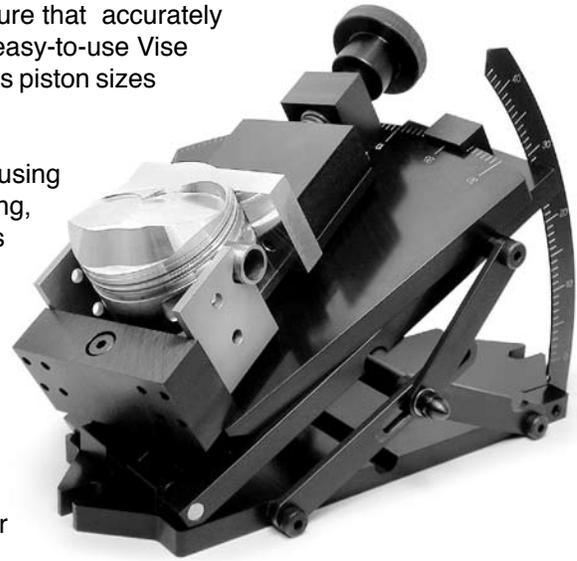


## Compound Angle Piston Vise (PV-1B)

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 and Vertical Fine-Adjust, for angle setup in both planes and 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.

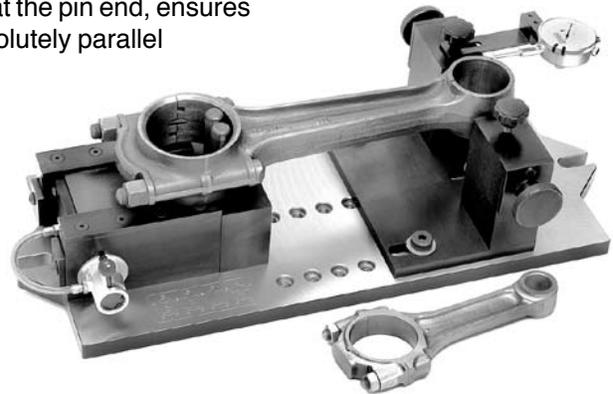
## Connecting Rod Fixture (CRF)

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.

The 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". The CRF-1C handles 3.504" to 6.925" center-to-center distance range and is targeted to powersports applications (not shown). For a wider variety of and larger rod lengths, the CRF-2 (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". All 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-left) 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