

BHJ Products, Inc.

Parts List & Instructions

Product Name: **Piston Measurement Stand**
BHJ Part#: PM-1

Page 1 of 2



Description

The Piston Measurement Stand makes typically difficult piston measurements simple and precise. Set-up and operation procedures are done with ease and can be performed by any qualified machinist.

Measurement of all dimensions is possible including:

- Piston-head thickness
- Head thickness under valve reliefs
- Pin location (compression height)
- Ring groove locations
- Can also be used for many other applications

Kit Contents:

1x Piston Measurement Stand
Assembly

1x Vertical Anvil Probe

1x Horizontal Anvil Probe

Operation

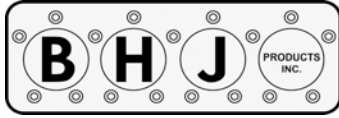
The BHJ Products PM-1 Piston Measurement Stand has many uses; a few specific operations are listed below.

For thickness measurements through the piston head, set up as follows:

1. Insert probe with sharp point in front hole in base, seat firmly.
2. Set indicator tip directly over anvil tip so that radial stop of lower locking collar holds tips in alignment. Zero indicator.
3. Indicator with upper collar can now be swung out of the way to allow piston to be placed over anvil. The indicator can then be brought back against the radial stop with full confidence that the tips are aligned.

For measuring pin location, i.e. compression height, set up as follows:

1. Insert anvil with horizontal probe in rear base hole, long pin forward, seat firmly.
2. Set indicator tip on pin high point, lock indicator collar. Zero indicator.
3. Lift indicator stem and slide piston pin hole over pin. Indicator reading, plus one half the pin diameter equals the compression height.



BHJ Products, Inc.

Parts List & Instructions

Product Name: **Piston Measurement Stand**
BHJ Part#: PM-1

Page 2 of 2

For measuring ring groove location, set up as follows:

1. Insert anvil with horizontal probe in front base hole, pin sideways, seat firmly.
2. Set indicator tip on short blade, lock indicator collar. Zero indicator.
3. Lift indicator stem and slide anvil blade into ring groove. Lower indicator.

The pointed anvil has a slightly radiused tip on the opposite end. This tip can be used for many miscellaneous measurements.

With both anvils removed, the indicator assembly can be lowered to contact the base for use as a general-purpose height gauge.

Call BHJ at (510) 797-6780 with any questions regarding the part, setup, or operation.