

BHJ Products, Inc.

Parts List & Instructions

Product Name: **Deck Height Micrometer**
BHJ Part#: **DHM-1**

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Kit Contents:

- 1x** Base **1x** Vernier Micrometer w/4 Rods (0-4")
3x Micrometer Adjustment Wrenches

Description

The Deck Height Micrometer is typically used in conjunction with BHJ's Blok-Tru fixture to establish deck heights on a wide variety of engine blocks. Deck heights from 7.500" though 11.500" can be measured using one of the four replaceable rods included with the kit.

The vernier micrometer is calibrated before shipping from the factory and the replaceable rods can be interchanged without the need for re-calibrating.

Deck Height Measurement Procedure

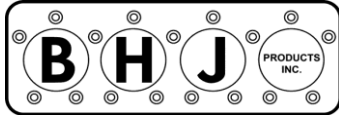
*** THE FOLLOWING INSTRUCTIONS ASSUME THE USE OF BHJ'S BLOK-TRU FIXTURE. USE IN OTHER METHODS WILL BE BASED UPON THE INDIVIDUAL WORKING ENVIRONMENT.**

SET-UP

1. Estimate the deck height range to be measured and install the appropriate-length rod into the micrometer body.
2. Unscrew the top-half of the knurled knob from the micrometer body, insert the appropriate-length rod for the given application and replace the knob.
3. Lay the base on the deck of the block with the micrometer end aligned above the Blok-Tru plate.
4. Adjust the micrometer knob until the rod contacts the edge surface of the Blok-Tru plate. Use the smaller-O.D., ratchet-action knob at the top of the mic body as a tension standard for establishing when the surface has been properly contacted. Over-tightening the mic will give a false reading, as the base will begin to lift off the deck surface.
5. Combine the reading on the micrometer body with the starting-length of the rod being used and add to the 7.500" established height of the Blok-Tru plate's edge.

(USE AS AN EXAMPLE ONLY)

Micrometer Reading	.425
Rod Starting Length	3.000
Blok-Tru Plate Edge	<u>+ 7.500</u>
Deck Height	10.925



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MICROMETER CALIBRATION

6. To check the calibration of the micrometer, install the short (0-1") rod, by unscrewing the top-half of the knurled knob on the mic body.

7. Insert the shortest rod (0-1") into the mic, replace the knob and dial the knob back until the rod no longer protrudes below the base.

8. Place the assembled Deck Height Micrometer on a flat, smooth surface and turn the knob until the rod makes contact with the flat surface. Use the smaller-O.D., ratchet-action knob at the top of the mic body as a tension standard for establishing when the surface has been properly contacted. Over-tightening the mic will give a false reading, as the base will begin to lift off the reference surface.