

B O R E



with

CONFIDENCE



THE BOKUMICRO-DIAL® BORING HEAD LETS YOU BORE PRODUCTION HOLES WITH DIAL-INDICATOR ACCURACY

NOW AVAILABLE WITH METRIC OR ENGLISH DIAL INDICATOR

The Bokumicro-Dial® Boring Head is the only boring head made with a .0001" or .002 mm dial indicator built into the head to measure movement to .000050" or .002 mm. Built to withstand rugged production runs, it now features an oil proof indicator at no extra cost so that it can be used under any oily condition. The Bokumicro-Dial has been used in turret lathes, turret drills, tape turret drilling machines, manual and tape milling machines, and of course all types of jig borers.

Whether your operator is working to .001" or to .0001", he is never sure if his tool has been adjusted to the correct position unless he uses a dial indicator to measure the tool travel. This is precisely what the dial indicator does in the Bokumicro-Dial Boring Head. No lock up screws are used to cause clamping errors. The ram of the holder has a precise interference fit which runs on ball bearings to guarantee accurate settings.

Replaceable shanks are used with the Bokumicro-Dial Boring Head so any type of standard or special shank can be obtained.

The Bokumicro-Dial Boring Head was not intended to be placed in a glass show case; it was built for precision work with production applications.

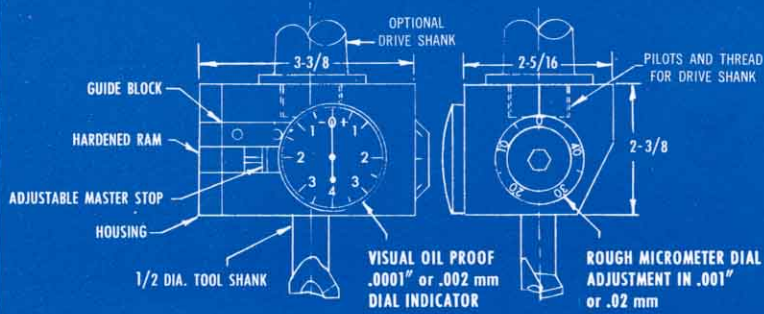
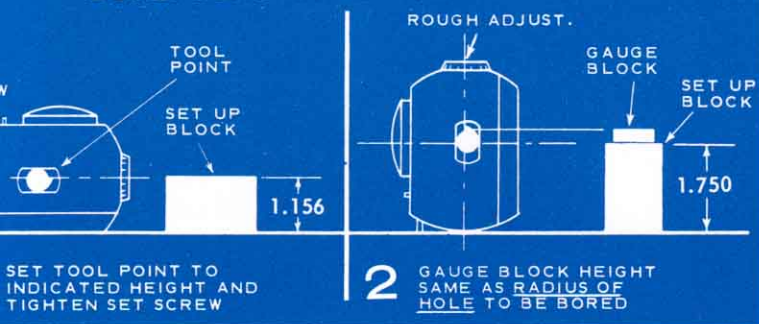
*PATENT NO. 3,044,322



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HOW TO PRESET BOKUMICRO-DIAL BORING HEAD

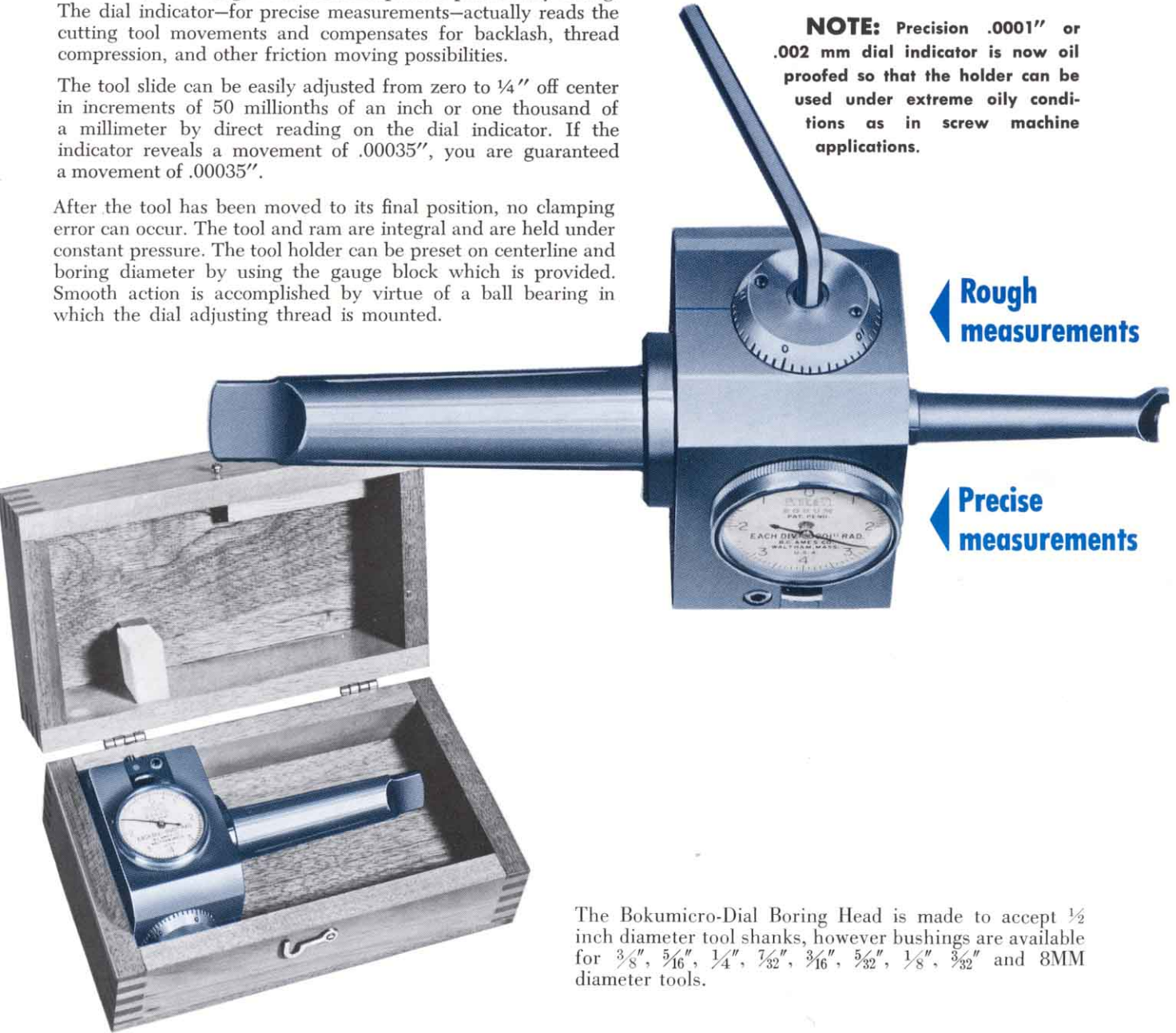


The Bokumicro-Dial Boring Head is actually controlled by two different dials. The micrometer dial, which is calibrated in .001" or .02 mm, is for rough measurements prior to preliminary boring. The dial indicator—for precise measurements—actually reads the cutting tool movements and compensates for backlash, thread compression, and other friction moving possibilities.

The tool slide can be easily adjusted from zero to 1/4" off center in increments of 50 millionths of an inch or one thousand of a millimeter by direct reading on the dial indicator. If the indicator reveals a movement of .00035", you are guaranteed a movement of .00035".

After the tool has been moved to its final position, no clamping error can occur. The tool and ram are integral and are held under constant pressure. The tool holder can be preset on centerline and boring diameter by using the gauge block which is provided. Smooth action is accomplished by virtue of a ball bearing in which the dial adjusting thread is mounted.

NOTE: Precision .0001" or .002 mm dial indicator is now oil proofed so that the holder can be used under extreme oily conditions as in screw machine applications.



The Bokumicro-Dial Boring Head is made to accept 1/2 inch diameter tool shanks, however bushings are available for 3/8", 5/16", 1/4", 7/32", 3/16", 5/32", 1/8", 3/32" and 8MM diameter tools.



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