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Press information

New design for easy and comfortable use: the re-launched MITUTOYO Bore Gauge for Blind Holes

MITUTOYO handheld measuring instruments are known to be a class of their own. This holds especially true for internal measuring devices. Now the premium manufacturer releases a new, enhanced generation of the tried and tested Bore Gauge for Blind Holes.

Neuss, March 2016. Two-Point measuring of bore diameters in blind holes can sometimes be a tricky task, especially in the case of bore depths of only few millimetres. The bore should be measured by help of a precise bore gauge as close to the bottom end as possible. The problem lies in correct measurement procedure with a two-point bore gauge that involves a perpendicular movement of the gauge in order to find the reversal point that constitutes the diameter measure.

The ideal instrument to accomplish this measuring task is the Mitutoyo Bore Gauge for Blind Holes. It is specially designed for this application and facilitates measurement in blind holes on positions no more than 2.5 millimeters above the bottom. A flat-bottomed head design and the special, very slim guide plate enable measurement right down to the bottom of blind holes or bores.

Now the Japanese precision measuring instruments specialists launches a new generation of the tried and tested Bore Gauge for Blind Holes. The new model adopts a sophisticated pendulum design for the guide plate. This makes for easier and more comfortable application. It eases inserting the instrument into the blind hole as well as the search for the reversal point. Furthermore, the predecessor's brass anvil holding part were replaced by more durable steel material.

A large hollow grip reduces the effect of the user's body heat on high-accuracy measurements. Optional extension rods are available for measuring in very deep holes. The new Bore Gauge for Blind Holes can be used with numerous Dial or Digimatic Indicators, amongst them the new, sophisticated Bore Gauge ID-C Indicator specially designed for application in two-point internal measuring instruments. It enters the market in the measuring ranges 15-35 mm, 35-60 mm and 50-150 mm.