

MBX

(Micron Adjustable Boring Unit)

RIGIBORE

Technical Information & Instructions for Use

1. Mounting

Ensure that the unit is correctly secured in its mounting hole and the 3 screws are clamping correctly.



2. Adjustment

The units are pre-tensioned and adjustment is made from the front only. To adjust outward, rotate the dial clockwise with the correct adjusting spanner. Each graduation on the adjusting dial = 0.005mm/.0002 inch on radius. Each graduation on the bush = 0.001mm/.00004inch adjustment on radius.

When adjusting downward, rotate the dial in the opposite direction a little more than required and adjust up to the new setting on the dial.

3. Maintenance

The unit is lubricated and assembled to very close tolerances. It should not require any further attention under normal operating conditions. If a unit is accidentally damaged, it is recommended that it is returned to Rigibore for assessment / repair.

CAD files & additional support information:

www.rigibore.com

UK Office: +44 (0)1736 755355

USA Office: +1 (262) 363-3922



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Technical Information & Instructions for Use

IMPORTANT WARNING – When adjusting the unit to its maximum adjustment (POSITIVE) you must stop turning the adjusting dial as soon as resistance is felt. Failing to do this will result in major damage to the unit.

Also, please note that when changing the direction of adjustment from positive to negative (or vice versa), there will be a small rotational ‘kick’. This is the take up of the drive mechanism and is perfectly normal.

- 1. Mounting** – Ensure that the unit is correctly secured in its mounting hole and the 3 screws are clamping correctly.
- 2. Adjustment** – The units are pre-tensioned and adjustment is made from the front only. To adjust outward, rotate the dial clockwise with the correct adjusting spanner/wrench. Each graduation on the adjusting dial = 0.005mm/0.0002” on radius. When adjusting downward, rotate the dial in the opposite direction a little more than required and adjust up to the new setting on the dial.
- 3. Maintenance** – The unit is lubricated and assembled to very close tolerances. It should not require and further attention under normal operating conditions. If a unit is accidentally damaged it is recommended that it is returned to Rigibore for repair assessment / repair.

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