PRECISION IN MOTION
PROPER MICROMETER USE

Miniature & instrument ball bearings are delicate — improper measurement can deform rings and give inaccurate readings. Use micrometers carefully or as a GO/NO-GO gauge.

TOOLS YOU CAN USE



Calibrated Air Gauge



Optical Comparator



Field use: Calibrated Micrometer

GO/NO-GO METHOD

MINIMUM TOLERANCE

1. Set micrometer to minimum tolerance
2. Lock in place
3. Insert bearing gently
4. Fits → below min tolerance
4. Doesn't fit → exceeds min tolerance

MAXIMUM TOLERANCE

1. Set micrometer to maximum tolerance
2. Lock in place
3. Insert bearing carefully
4. Fits → within max tolerance
5. Doesn't fit → larger than max tolerance

PRO TIPS

- Avoid squeezing the bearing
- Handle and store properly
- Micrometer is quick check; air gauge /comparator for precision

BEARING CW