

RLBG SERIES - RETRACTABLE BORE GAGE

The RLBG Series retractable bore gages are designed per application. They are primarily used to check deep holes where long retraction is required. Recess diameters and grooves can be checked for size, taper or out of roundness. Trigger action retracts and expands contacts. The gage has a fast, smooth and uniform gaging pressure over its entire range.



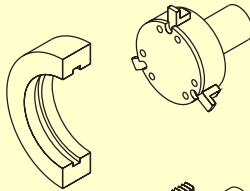
DESIGN FEATURES:

- Cast aluminum or lightweight composite pistol grip housing
- Gage can be designed to retract into or away from the indicator
- Fixed or interchangeable contacts
- Depth stop or scale-on-shaft facilitates checking at a specific depth
- Single piece or multiple screw together gaging shafts
- 2 or 3 point measurement

RETRACTABLE BORE GAGE APPLICATIONS

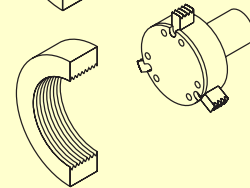
Groove measurement

Precise groove measurements can be made easily and accurately. Groove width minimum is .060" (1.5mm).



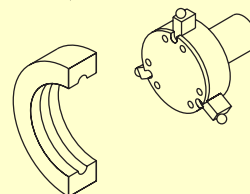
Thread measurement

The Dorsey Easy Bore can be configured to measure thread function, pitch diameter, major or minor diameters. This drawing illustrates functional thread measurement. The minor thread diameter must be larger than .625" (16mm) for this gage.



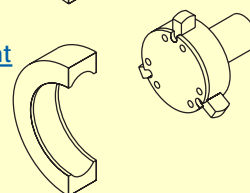
Ball screw measurement

The Easy Bore can be configured to quickly and accurately check ball screw races larger than .25" (6mm)



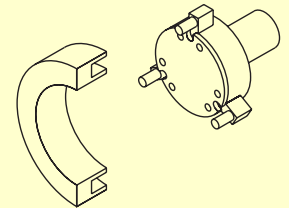
Spherical or irregular shape measurement

Spherical shaped contacts are useful in deep bores where holding the bore gage straight in the bore is difficult, the spherical shape allows only a single contact point per anvil on the bore wall.



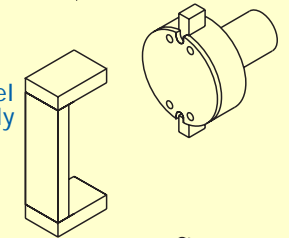
Axial groove diameter

This measurement can be made with either 2 point or 3 point contact



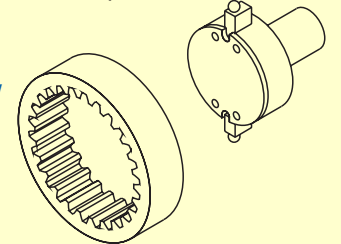
Groove width/Parallel surface

Measurement of groove or parallel surfaces greater than .50" is easily accomplished with a 2 point flat anvil head



Spline measurement

Spline, thread, or ball screw measurement of diameter, pitch, or major diameter is available



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Dorsey Metrology International
Website: www.dorseymetrology.com

Tel: (845) 454-3111 Fax: (845) 454-3888
53 Oakley Street, Poughkeepsie, NY 12601