

# LDR SERIES- ULTRA LIGHT WEIGHT FRAME WITH REED

The LDR Series gage uses a lightweight stainless steel tubular frame and a reed pantograph movement. This pantograph movement utilizes parallel reed springs to transfer motion and is well suited to production applications as dust, dirt or coolant cannot harm or jam the mechanism.

Frictionless reed pantograph motion transfer with  $\pm .050$ " gaging travel

Indicator housing protects indicator

Standard with part #2DM125-05  
.0005" graduation dial indicator

*\*Note: Gage pictured below is an LDR-18-CB-NI with optional .0001" graduation dial indicator part #219-01*

Carbide rest surfaces are offset 2" to resist tipping

Lightweight heat treated aerospace grade stainless steel tubing weighs only .817 lbs. per foot

Contacts feature 1" vertical depth adjustment

Carbide ball contacts

For optional contact extensions, see page A-16

PART #	ID/OD INCH RANGE	ID/OD METRIC (mm) RANGE
LDR-12	4.5 to 12	115 to 305
LDR-18	12 to 18	305 to 460
LDR-24	18 to 24	460 to 610
LDR-36	24 to 36	640 to 915
LDR-48	36 to 48	915 to 1220
LDR-60	48 to 60	1220 to 1525
5557CB	.25" Dia. Carbide Ball Contacts (Each)	
5557HB	.25" Dia. Carbide Half Ball Contacts (Each)	



See page D-11 for SMA series companion setmasters specify .25" wide restrictor

For gage less indicator, add -NI to the end of the part #

- To order this large diameter gage, use the following sequence to specify the desired configuration (there is no need to specify configuration for standard items) For example: *Gage Type - Frame Size - Contact Type* example: *LDR-12-CB-NI*
- Illustrated parts breakdown can be downloaded at [www.dorseymetrology.com/parts-breakdown.html](http://www.dorseymetrology.com/parts-breakdown.html)

# LDB SERIES- ULTRA LIGHTWEIGHT FRAME WITH BALL BUSHING

LDB series gages use a lightweight stainless steel tubular frame and a precision ball bushing slide mechanism. This gage can be switched from ID to OD and is designed to be used where a full inch of gaging travel, or retraction, is desired.

Standard with part #2DM1000-05  
.0005" graduation dial indicator

Gaging depth adjustable to 5"

Precision cam-lok fine adjustment mechanism makes setting this gage fast and easy

Gaging shafts can be inverted to accommodate disc contacts or perpendicular style contacts

Indicator housing protects indicator

Carbide rest surfaces are offset 2" to resist tipping

Full inch of gaging travel

.625" dia. disc

.1875" dia. ball

*\*Note: Gage pictured is LDB-14-CB-NI with an optional 1" travel digital indicator part #FV54520875*

Carbide ball contacts

PART #	ID/OD INCH RANGE	ID/OD METRIC (mm) RANGE
LDB-14	6.5 to 14	165 to 355
LDB-24	14 to 24	355 to 610
LDB-36	24 to 36	640 to 915
LDB-48	36 to 48	915 to 1220
LDB-60	48 to 60	1220 to 1525
7533	.625" Dia. Steel Disc Contact (Each)	
7530	.625" Dia. Carbide Disc Contact (Each)	
4082-B1875	.1875 Dia. Carbide Ball Contacts (Each)	



See page D-11 for SMA series companion setmasters  
*Note: specify .18" restrictor for CB contacts, specify .62" restrictor for SD and CD contacts*

For gage less indicator, add -NI to the end of the part #

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