

COMPACT THROUGH-HOLE LOAD CELLS

2.50" OD

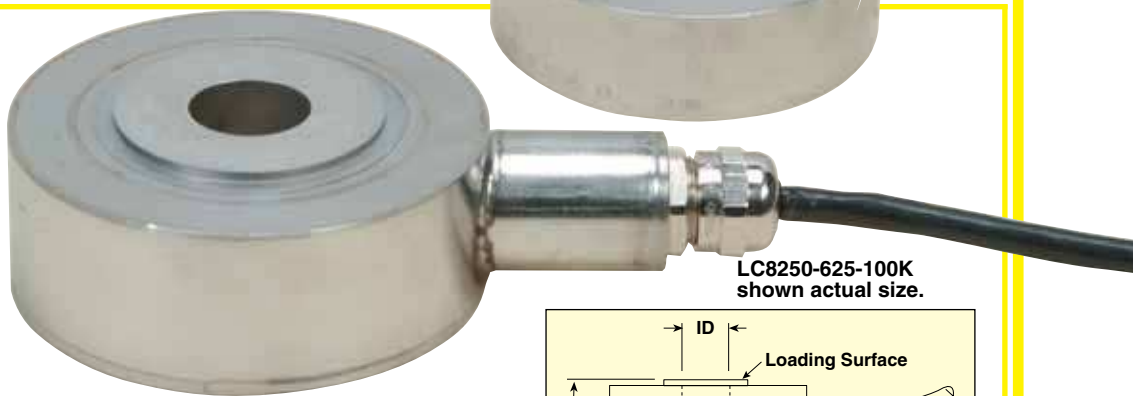
LC8250-375-3K
shown smaller than
actual size.



Compression

0-1000 lb to 0-100,000 lb
0-455 kgf to 0-45,372 kgf

1 Newton = 0.2248 lb
1 daNewton = 10 Newtons
1 lb = 454 g
1 t = 1000 kgf = 2204 lb



LC8250-625-100K
shown actual size.

LC8250 Series

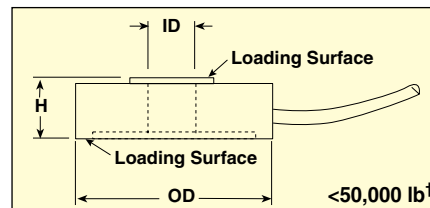


Standard

Dimensions:
mm (inch)

MODEL	OD	H
LC8250	64 (2.50)	25 (1.0)

WIRE	CONNECTION
GN	+Output
WT	-Output
BK	-Input
RD	+Input



† Units >50,000 lb top and bottom loading surfaces are through the center hub.

AVAILABLE INSIDE DIAMETERS (ID) + = MOST POPULAR X = AVAILABLE												
ID CODE	250	375	500	625	750	875	938	1.00	1.13	1.25	1.38	1.50
CAPACITY	0.250"	0.375"	0.500"	0.625"	0.750"	0.875"	0.938"	1.00"	1.13"	1.25"	1.38"	1.50"
1000	X	X	X	X	X	X	X	+	X	X	X	X
2000	X	X	X	X	X	X	X	X	X	X	X	X
3000	X	X	X	X	X	X	X	X	X	X	X	X
5000		X	+	X	X	X	X	X	X	X	X	X
7500		X	X	X	X	X	X	X	X	X	X	X
10,000		X	X	X	X	X	X	+	X	X	X	X
15,000			+	X	X	X	X	X				
20,000			+	X	X	X	X	+				
30,000			+	X	X	X	X	+				
40,000			X	X	X	X	X	X				
50,000			X	X	X	X	X	+				
75,000			X	X	X	X	X	X				
100,000			+	X	X	X	X	X				

Also available in metric configurations, consult engineering for details.

- ✓ Low Profile
- ✓ All Stainless Steel Construction
- ✓ Rugged Industrial Design

The LC8250 Series donut load cells are an economical solution to applications requiring a through-hole design. With their extremely low profile and compact design, these load cells are ideal for applications such as clamping forces, bolt loading forces, and other compressive loads. This series, with its all stainless steel construction and environmental protection, has proved reliable in tough industrial applications.

SPECIFICATIONS

Output: 2 mV/V nominal
Input: 10 Vdc (15V maximum)
Linearity: ±0.5% FSO
Repeatability: ±0.1% FSO
Zero Balance: ±2.0% FSO
Operating Temp Range:
-54 to 121°C (-65 to 250°F)
Compensated Temp Range:
16 to 71°C (60 to 160°F)
Thermal Effects:
Zero: ±0.009% FSO/°C
Span: ±0.018% rdg/°C

Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Input Resistance: 360 Ω minimum
Output Resistance: 350 ±5 Ω
Full Scale Deflection: 0.003" nominal
Construction: 17-4 PH stainless steel
Electrical: 1.5 m (5') 4-conductor shielded cable

To Order

CAPACITY	MODEL NO.	COMPATIBLE METERS**
Model LC8250 with a 2.50" OD and Selectable ID		
1000 lb	455 kgf	LC8250-[*]-1K
2000 lb	909 kgf	LC8250-[*]-2K
3000 lb	1361 kgf	LC8250-[*]-3K
4000 lb	1815 kgf	LC8250-[*]-4K
5000 lb	2269 kgf	LC8250-[*]-5K
7500 lb	3403 kgf	LC8250-[*]-7.5K
10,000 lb	4537 kgf	LC8250-[*]-10K
20,000 lb	9074 kgf	LC8250-[*]-20K
30,000 lb	13,612 kgf	LC8250-[*]-30K
40,000 lb	18,149 kgf	LC8250-[*]-40K
50,000 lb	22,686 kgf	LC8250-[*]-50K
75,000 lb	34,029 kgf	LC8250-[*]-75K
100,000 lb	45,372 kgf	LC8250-[*]-100K

Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.

** Visit us online for compatible meters.

[*] Select ID Code from table above to complete model number.

Ordering Examples: LC8250-750-2K, 2000 lb capacity load cell, 0.750" ID.

LC8250-375-7.5K, 7500 lb capacity load cell, 0.375" ID.

LC8250-1.25-10K, 10,000 lb capacity load cell, 1.25" ID.