

MINI LOAD COLUMN LOAD CELL COMPRESSION ONLY

MLC SERIES

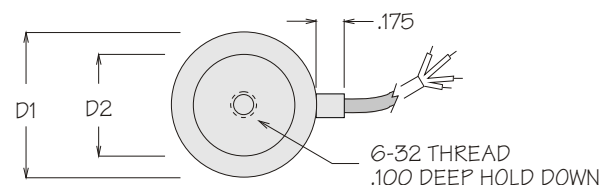
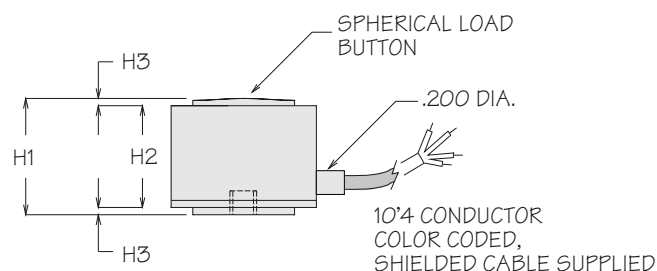
CAPACITY RANGES:

2,000, 3,000, 5,000, 7,500,
10,000, 15,000, 20,000,
30,000 LBS.

The MLC Series is our miniature high capacity compression only load cell/force sensor, featuring low profile compact size for a wide range of portable and dedicated applications up to 30,000 lbs. The load diameter is slightly convex for accurate load distribution. Low deflection through design results in ultra fast frequency response. The MLC's are designed to be mounted in a shallow machined flat pocket or smooth flat surface, either free or fastened via a bottom 6-32 tapped hole. These load cells are manufactured from heat treated 17-4 ph stainless steel. The sensing element incorporates bonded foil strain gages of the highest quality and are sealed for protection against most industrial environments.



6-32 Thread
Holddown Provided



SPECIFICATIONS

Rated Output (R.O.):	2 mV/V nominal
Nonlinearity:	0.25% of R.O.
Hysteresis:	0.25% of R.O.
Nonrepeatability:	0.1% of R.O.
Zero Balance:	1.0% of R.O.
Compensated Temp. Range:	60° to 160°F
Safe Temp. Range:	-65° to 200°F
Temp. Effect on Output:	0.005% of Load/°F
Temp. Effect on Zero:	0.01% of R.O./°F
Terminal Resistance:	350 ohms nominal
Excitation Voltage:	10 VDC
Safe Overload:	150% of R.O.
Deflection Inches :	0.002 @ R.O.

DIMENSIONS (INCHES)

MODEL	CAPACITY LBS.	D1	D2	H1	H2	H3	BUTTON RADIUS
MLC-2K	2,000	.625	.450	.600	.480	.06	2.0
MLC-3K	3,000	.625	.450	.600	.480	.06	2.0
MLC-5K	5,000	.625	.450	.600	.480	.06	2.0
MLC-7.5K	7,500	.875	.625	.625	.505	.06	2.0
MLC-10K	10,000	.875	.625	.625	.505	.06	2.0
MLC-15K	15,000	1.250	.875	1.000	.880	.06	4.0
MLC-20K	20,000	1.250	.875	1.000	.880	.06	4.0
MLC-30K	30,000	1.250	.875	1.000	.880	.06	4.0