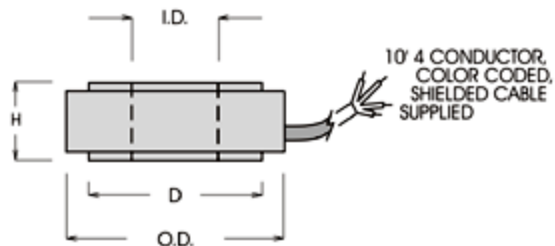
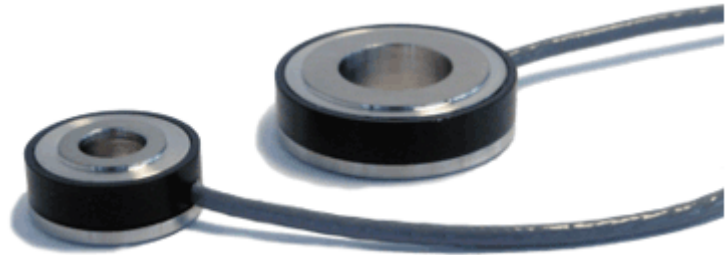


# COMPRESSION ONLY / THRU HOLE LOAD WASHER LOAD CELL

## LWO SERIES LOAD CELL

**CAPACITY RANGES:  
2,400 THROUGH 300,000 LBS.**

The LWO Series are washer shaped, strain gage based load cells that have been most commonly used in fastener testing and thru hole load applications. Our stocked ranges from 2,400 through 300,000 lbs. compression are made from 17-4ph heat treated stainless steel and are matched to bolt diameters and their specific load characteristics. Modifications of diameters, thicknesses, or load range to a specific diameter for OEM applications are welcomed. The sensing element incorporates bonded foil strain gages of the highest quality and are sealed for protection against most industrial environments.



### SPECIFICATIONS

Rated Output (R.O.): 2 mV/V nominal  
 Nonlinearity: 2.0% of R.O.  
 Hysteresis: 2.0% of R.O.  
 Nonrepeatability: 1.0% 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: 0.001 @ R.O.

MODEL	DIMENSIONS (INCHES)				
	CAPACITY LBS.	O.D. DIA.	I.D. DIA.	D	H
<b>LWO-2</b>	2,400	.85	.192	.345	.350
<b>LWO-4</b>	4,000	.85	.262	.400	.350
<b>LWO-7</b>	7,000	.85	.326	.520	.350
<b>LWO-10</b>	10,000	.85	.390	.620	.350
<b>LWO-14</b>	14,000	1.00	.454	.725	.350
<b>LWO-20</b>	20,000	1.00	.517	.850	.350
<b>LWO-25</b>	25,000	1.25	.580	.960	.350
<b>LWO-30</b>	30,000	1.25	.644	1.040	.350
<b>LWO-45</b>	45,000	1.50	.770	1.200	.375
<b>LWO-60</b>	60,000	1.75	.897	1.490	.500
<b>LWO-80</b>	80,000	2.00	1.024	1.710	.500
<b>LWO-80A</b>	80,000	2.00	1.150	1.790	.500
<b>LWO-125</b>	125,000	2.37	1.279	2.140	.625
<b>LWO-190</b>	190,000	3.00	1.533	2.640	.875
<b>LWO-260</b>	260,000	3.50	1.787	3.000	1.250
<b>LWO-300</b>	300,000	3.75	2.041	3.300	1.370