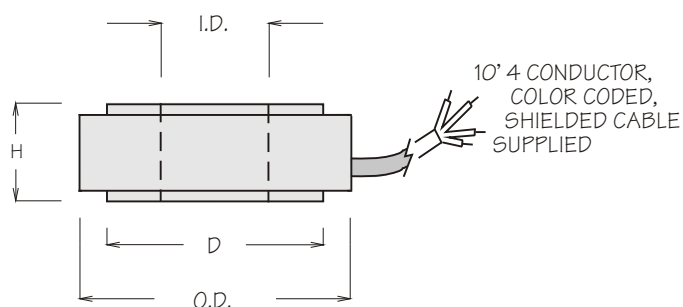


COMPRESSION ONLY / THRU HOLE LOAD WASHER

LW0 SERIES

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

The LW0 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.

DIMENSIONS (INCHES)

MODEL	CAPACITY LBS.	O.D. DIA.	I.D. DIA.	D	H
LW0-2	2,400	.85	.192	.345	.350
LW0-4	4,000	.85	.262	.400	.350
LW0-7	7,000	.85	.326	.520	.350
LW0-10	10,000	.85	.396	.620	.350
LW0-14	14,000	1.00	.454	.725	.350
LW0-20	20,000	1.00	.517	.850	.350
LW0-25	25,000	1.25	.580	.960	.350
LW0-30	30,000	1.25	.644	1.040	.350
LW0-45	45,000	1.50	.770	1.200	.375
LW0-60	60,000	1.75	.897	1.490	.500
LW0-80	80,000	2.00	1.024	1.710	.500
LW0-80A	80,000	2.00	1.150	1.790	.500
LW0-125	125,000	2.37	1.279	2.140	.625
LW0-190	190,000	3.00	1.533	2.640	.875
LW0-260	260,000	3.50	1.787	3.000	1.250
LW0-300	300,000	3.75	2.041	3.300	1.370