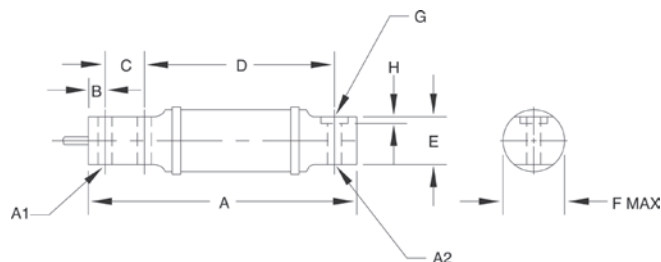


RL40BBS

Single-ended Beam, Alloy Steel, IP65



Picture is a representation of actual product



Specifications

Full Scale Output:

2.0 mV/V

Bridge Resistance:

50 lb-1,000 lb/750 ohms, nominal
2,500 lb/347 ohms, nominal

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating range
-40° F to 150° F/-40° C to 65° C

Safe Overload:

150% full scale

Rated Excitation:

5-10 VDC (15 V maximum)

Deflection at Capacity:

50 lb=0.015 in (0.38 mm)
100 lb=0.005 in (0.64 mm)
200 lb-250 lb=0.030 in (0.76 mm)
500 lb=0.020 in (0.51 mm)
1,000 lb=0.040 in (1.02 mm)
2,500 lb=0.120 in (3.05 mm)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohms

Seal Type:

Environmentally sealed with neoprene sleeve, IP65

Cable Length:

10 ft (3.1 m)

Cable Diameter:

0.200 polyurethane jacket

Cable Color Code:

Green+ Excitation
Black.....- Excitation
White+ Signal
Red- Signal

Warranty:

Two-year limited warranty

Approvals:



Dimensions

RATED CAPACITY	A	A1	A2	B	C	D	E	F	G	H
lb/inches										
50-100	6.00	0.31	0.31	0.38	0.88	4.25	1.06	1.41	—	—
200-1,000	6.62	0.52	0.52	0.50	1.12	4.25	1.06	1.41	—	—
2,500	11.38	0.53	0.62	0.50	1.75	8.25	1.25	2.19	1.19	0.12
kg/mm										
22.7-45.4	52.4	7.9	7.9	9.7	22.4	108.0	26.9	35.8	—	—
90.7-453.6	168.2	13.2	13.2	12.7	28.5	108.0	26.9	35.8	—	—
1,134.0	289.1	13.5	15.8	12.7	44.5	209.6	31.8	55.6	30.3	3.00

Order Information

LOAD RATING	PART #	EST. SHIPPING WEIGHT	PRICE
50 lb (22.7 kg)	17395	3 lb	Consult
100 lb (45.4 kg)	17343	3 lb	Consult
200 lb (90.7 kg)	17396	3 lb	Consult
250 lb (113.4 kg)	17397	3 lb	Consult
500 lb (226.8 kg)	17398	3 lb	Consult
1,000 lb (453.6 kg)	17344	3 lb	Consult
2,500 lb (1,134.0 kg)	17345	9 lb	Consult

Interchangeable Products

MANUFACTURER	MODEL	PAGE #
HBM®	BBS	246
VPD Sensortronics®	65087	—
Fairbanks®	3-481XX-1	—
Fairbanks	3-48660-1	—
Artech®	40310	—