



SINGLE ENDED BEAMS

DIMENSIONS

RATED CAPACITY	C	C1	C2	C3	H	H1	L	L1	L2	L3	L4	L5	L6
lb/inches													
50-100	1.46	0.31	0.31	-	1.06	-	6.00	4.25	0.88	0.38	1.19	1.97	1.69
200-1,000	1.46	0.52	0.52	-	1.06	-	6.62	4.25	1.12	0.50	1.49	2.36	1.69
2,500	2.17	0.53	0.62	1.19	1.25	0.12	11.38	8.25	1.75	0.50	2.84	3.98	2.40
kg/mm (conversion of above dimensions)													
22.68-45.36	37.0	7.9	7.9	-	26.9	-	152.4	108.0	22.4	9.7	30.2	50.0	43.0
90.72-453.59	37.0	13.2	13.2	-	26.9	-	168.2	108.0	28.5	12.7	37.8	60.0	43.0
1133.98	55.0	13.5	15.8	30.3	31.8	3.0	289.1	209.6	44.5	12.7	72.1	101.0	61.0

SPECIFICATIONS

Full Scale Output	2.0 mV/V \pm 0.25%	Recommended Excitation	10V (15V Maximum)
Zero Balance	\pm 0.02 mV/V	Insulation Resistance	>2 [50V DC] G Ω
Non-linearity	< \pm 0.030%	Compensated Temperature Range	-10°C to 50°C / 14°F to 122°F
Repeatability	< \pm 0.020%	Safe Overload	150% of full scale
Hysteresis Error	< \pm 0.030%	Breaking Overload	300% of full scale
Creep in 30 min.	< \pm 0.030%	Seal Type / IP Rating	Environmentally Sealed / IP65
Input Resistance	Cap. \leq 1Klb: 700 Ω \pm 20; Cap. = 2.5Klb: 350 Ω \pm 7	Cable Color Code	Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare
Output Resistance	Cap. \leq 1Klb: 700 Ω \pm 5; Cap. = 2.5Klb: 350 Ω \pm 3		
Element Material	Alloy Steel, Nickel Plated		

PART NUMBER

Rated Capacity	Part No.	Weight (kg) Approx.
50lb.....	563SHBB-50lb.....	0.93
100lb.....	563SHBB-100lb.....	0.93
200lb.....	563SHBB-200lb.....	1.00
250lb.....	563SHBB-250lb.....	1.00
500lb.....	563SHBB-500lb.....	1.00
1Klb.....	563SHBB-1Klb.....	1.00
2.5Klb.....	563SHBB-2.5Klb.....	3.53

INTERCHANGEABLE REFERENCE

Manufacturer	Model
Fairbanks.....	3-481XX-1
Fairbanks.....	3-48660-1
HBM.....	BBS
Rice Lake.....	RL40BBS
Vishay Sensortronics.....	65087