

The 1026 BBA Aluminum Single Ended Bending Beam Load Cell is expertly engineered for precision in light capacity weigh modules and demanding industrial weighing environments. Constructed from high-quality anodized aluminum, this reliable strain gauge sensor delivers accurate, repeatable measurements up to a 250lb capacity. To ensure long-lasting durability, the BBA 1026 model is environmentally sealed with a protective neoprene sleeve, achieving a strict IP67 rating against dust and moisture ingress. Whether you are upgrading existing weighing equipment or designing new custom machinery, this single ended load cell provides the stability and exactness your operations require.



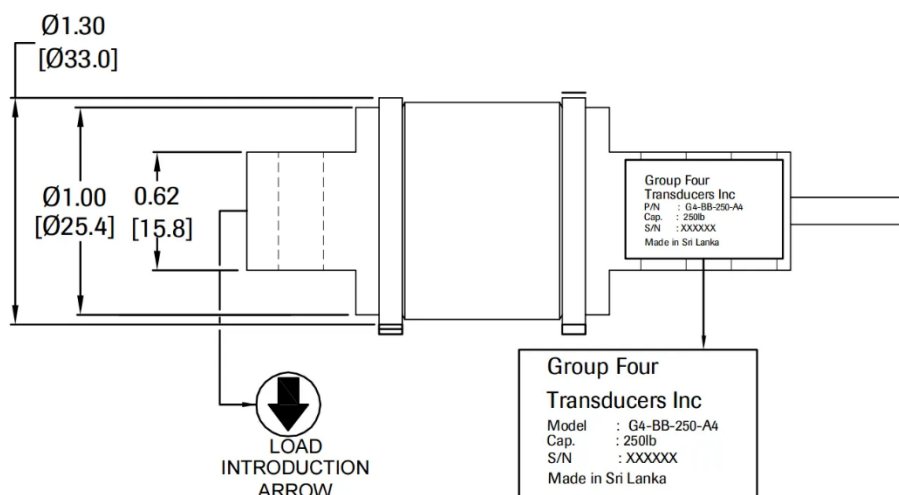
FEATURES

- Weighing capacity of 250lb
- Anodized aluminum construction
- Environmentally sealed with neoprene sleeve, IP67

APPLICATIONS

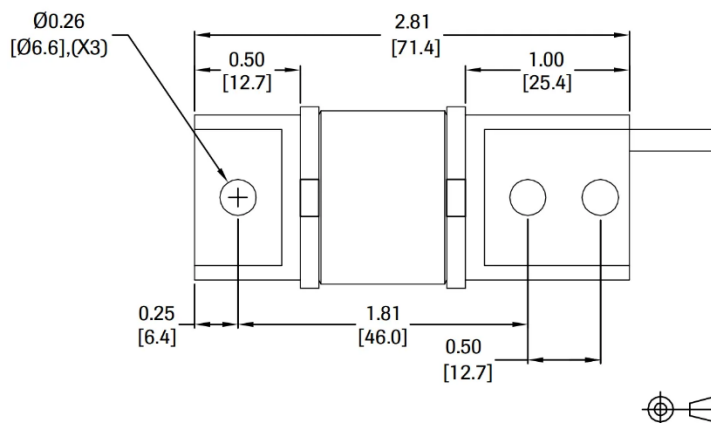
- Small hopper scales
- Automated filling systems
- High-speed packaging machinery
- Commercial and industrial bench scales

OUTLINE DIMENSIONS



OPTIONS

- BBS – Stainless steel version
- BBH – Hermetically sealed version

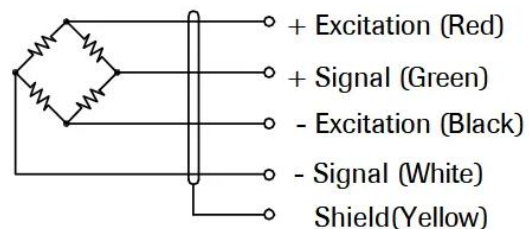


SPECIFICATIONS

Model	1026		
Capacities	lb		250
Full Scale Output (FS)	mV/V		3.0 ± 0.15
Non-Linearity	%FS		$\leq \pm 0.03$
Hysteresis	%FS		$\leq \pm 0.05$
Creep @ 20 Min	%FS		$\leq \pm 0.03$
Zero Balance	%FS		$\leq \pm 1.0$
Terminal Resistance			
	Input	Ω	385 ± 5
	Output	Ω	350 ± 3
Excitation Voltage	VDC		10...15
Insulation Resistance @50VDC	M Ω		≥ 5000
Nominal temperature range	$^{\circ}\text{C}$		-20...+60
Safe Overload Limit	%FS		150
Cable Length	in		67
Seal Type	IP67		
Mounting bolt	1/4" Grade 5-8		
Element Material	Anodized Aluminum		
Required torque	150in.lbs		



WIRING



Cable: 24 AWG, SS Braided foil shielded, 4 Conductor cable with drain wire, including grounding lug.