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BTBIX

Shear Beam Load Cell



Stainless steel construction, with IP69k, for use in multi-point platforms, livestock scales, silos, and small tanks.

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Technical review: Loui Oriqui | **Comercial review:** Eber Santos
Issued: Isabel Carmo

IP69K

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BTBIX

LOAD CELL

The Berman BTBI Load Cell provides the weighing industry with the ultimate protection necessary for today's hostile environments in an economical low-profile range suitable for platform scale manufacture. Its low profile and all-welded laser sealing combined with high accuracy make this load cell ideally suited for platforms, pallet truck weighers, tanks, and silos.

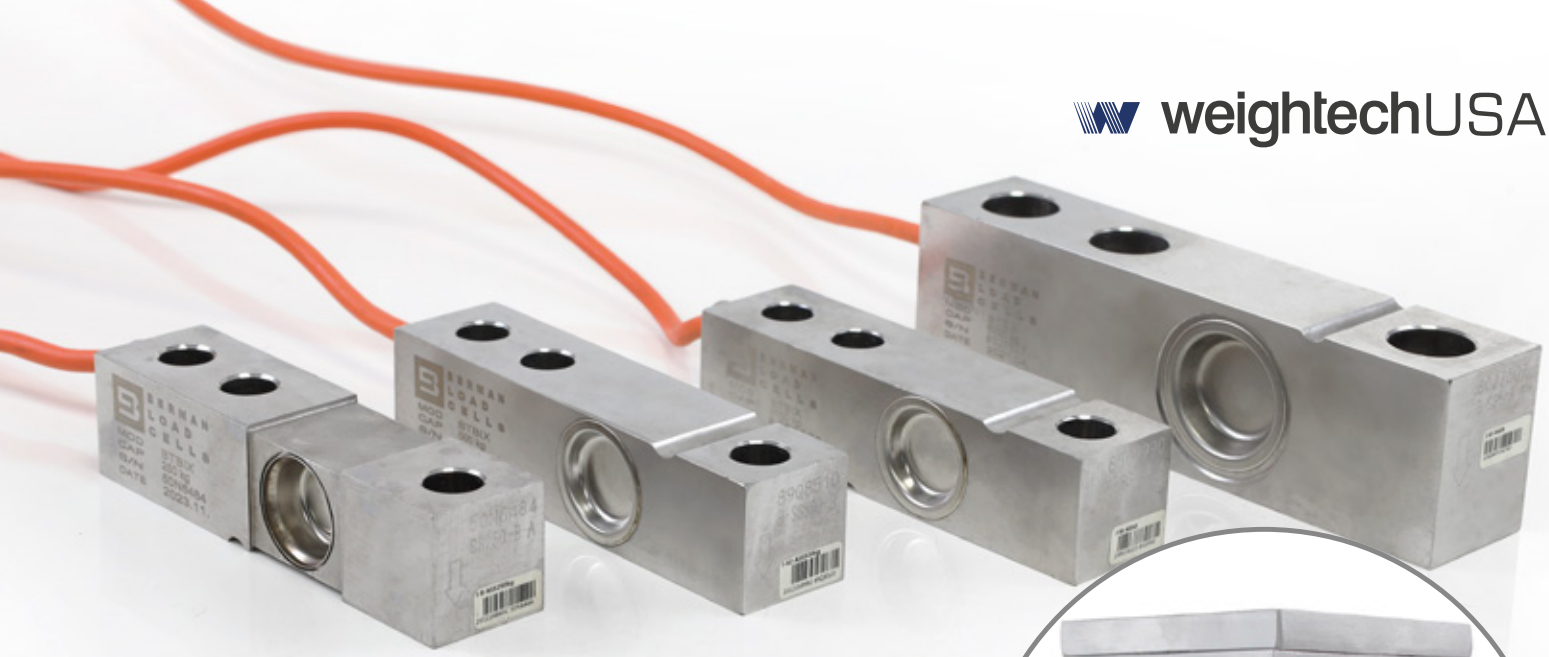
The Berman BTBI unique design enables manufacturers to easily position the load cell. Hermetically sealed against moisture, the construction of the Model BTBI in combination with a polyurethane dual-shielded cable, enables continuous operation in harsh environments while maintaining a high operating specification.

STANDART FEATURES

- Capacities of 250kg to 5t
- High performance
- Resistant to high-pressure jets and water immersion, with IP69k protection rating
- Stainless steel construction
- 4-wire cable, 5 meters long.



IP69K CERTIFIED



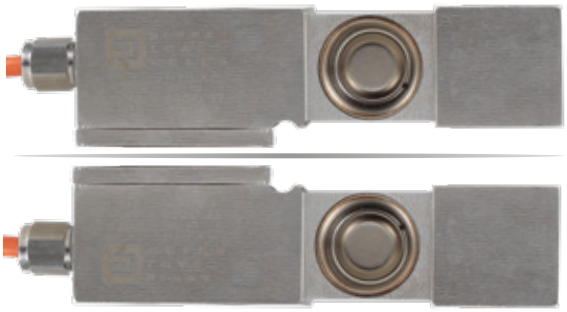


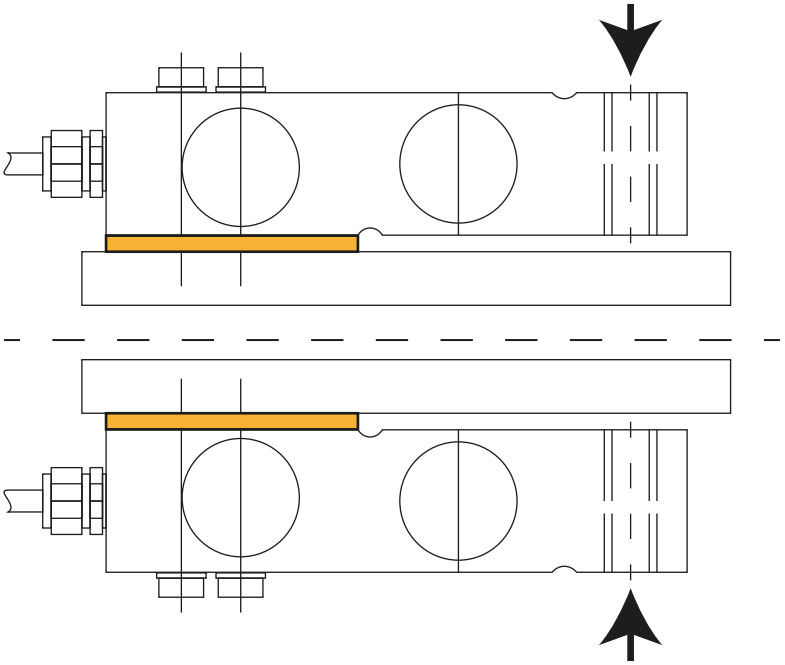
APPLICATION

- Available in different maximum capacities, for use in a wide range of weighing applications
- Perfect for applications requiring hig cleanliness standards
- Includes articulated shoe, with height adjustment, which facilitates mounting on floor scales and pallet scales
- Compatible with the SIPX-BTBI weighing support, made of stainless steel, with an anti-tip system that allows safe application in tanks and silos.

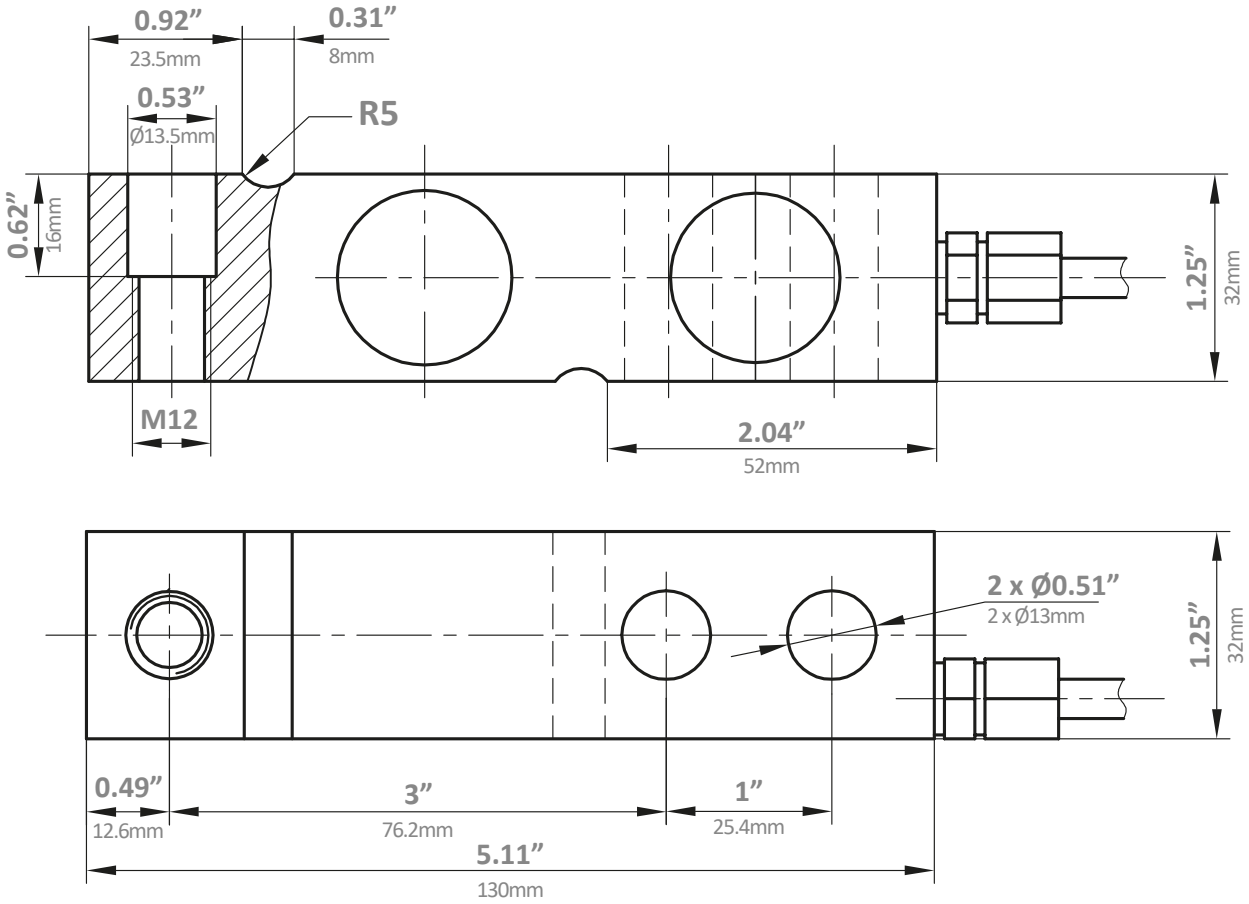


ASSEMBLY

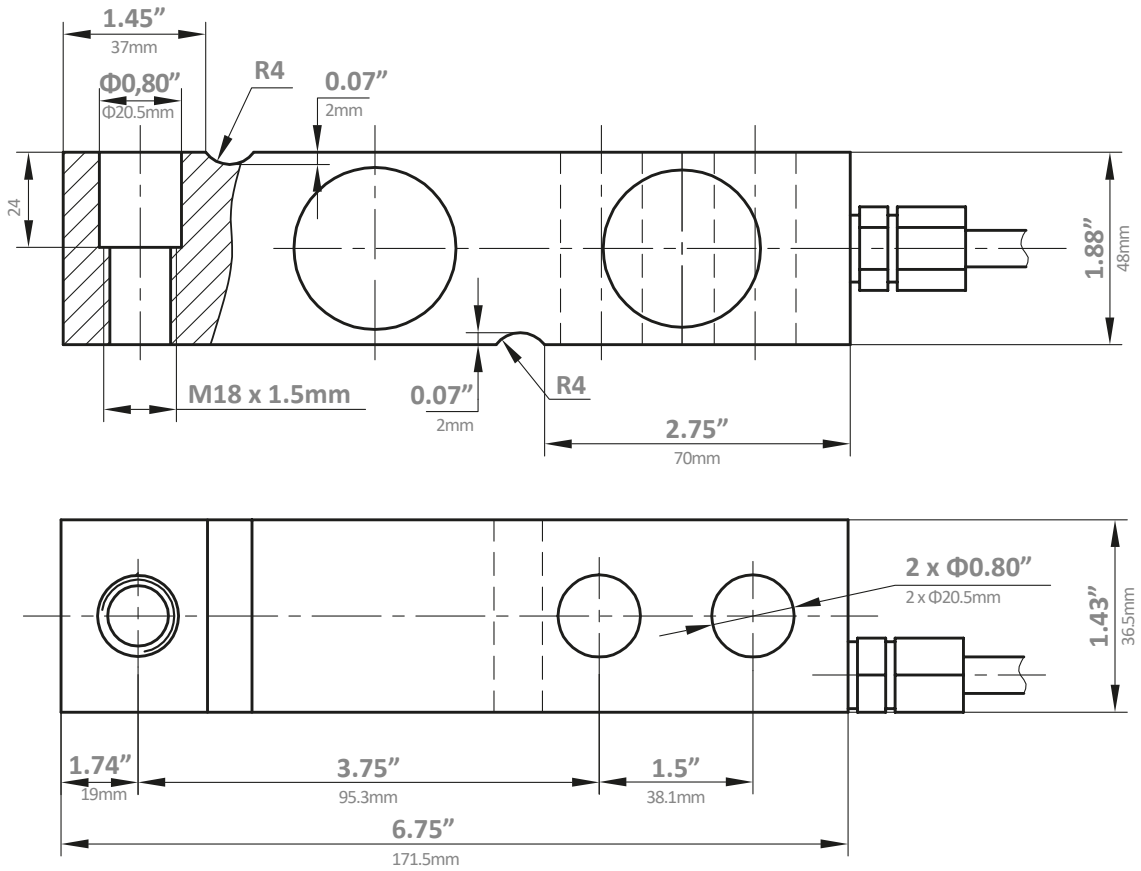




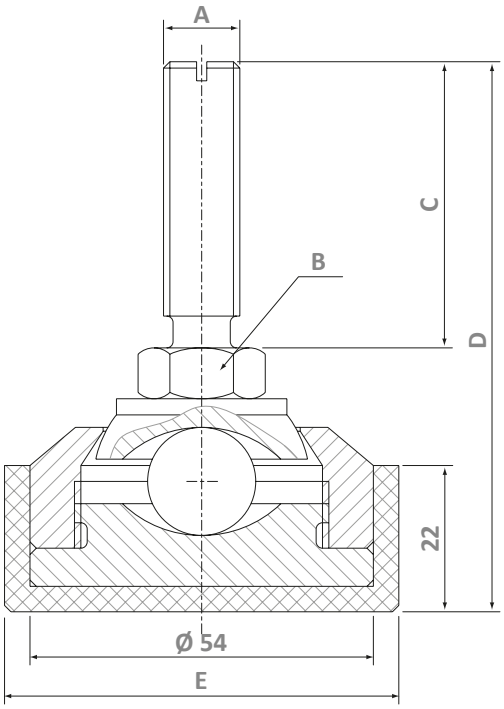
DIMENSIONS FOR UP TO 2T



DIMENSIONS FOR UP TO 5T



FOOT DIMENSIONS



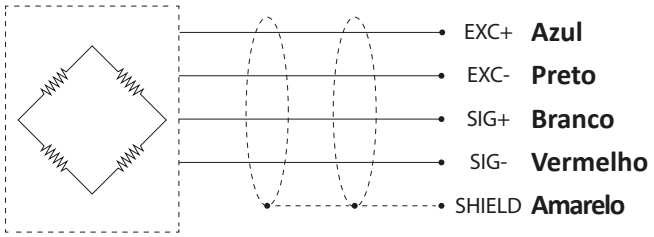
Kg	A	B	C	D	E
250kg ~ 2t	M12	18,9	45	85,5	Ø 62
250kg ~ 2t	M12	(0.74)	(1.77)	(3.36)	(Ø 2.44)
5t	M18	24	56,5	109	Ø 62
5t	M18	(0.94)	(2.22)	(4.29)	(Ø 2.44)

SPECIFICATIONS

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Rated load	t	0,5	1	2	5
Sensitivity	mV/V	2,0 ± 0.002			
Total error	% F.S	± 0,05			
Creep (30 min)		± 0,05			
Zero balance		± 1			
TCO	%F.S / 10°C	± 0,03			
TC SPAN		± 0,03			
Input Resistance	Ω	400 ± 20			
Output Resistance		352 ± 3			
Insulation Resistance	MΩ	≥ 5000			
Operating Temp Range	°C	-30 – +70			
Nominal temp range		-10 – +40			
Safe load limit	%F.S	150			
Lateral load limit		250			
Recommended Excitation	VDC	5 – 12			
Maximum Excitation		15			
Protection Class	-	IP69k			
Construction	-	Stainless Steel			
Cable	-	Length: 3m | Diameter: Ø5mm			

SPECIFICATIONS



PART NUMBER

PRODUCT	CODES
Berman BTBI Shear Beam Load Cell – 500kg	13506
Berman BTBI Shear Beam Load Cell – 1t	13507
Berman BTBI Shear Beam Load Cell – 2t	13508
Berman BTBI Shear Beam Load Cell – 5t	13509

FIND US

10384 W State road 84 #6 – Davie, FL 33324
sales@weightechusa.com
weightechusa.com
Technical Support: +1 (954) 666-0877x302
Sales: +1 (954) 666-0877x305

MORE INFO

PRODUCT PAGE