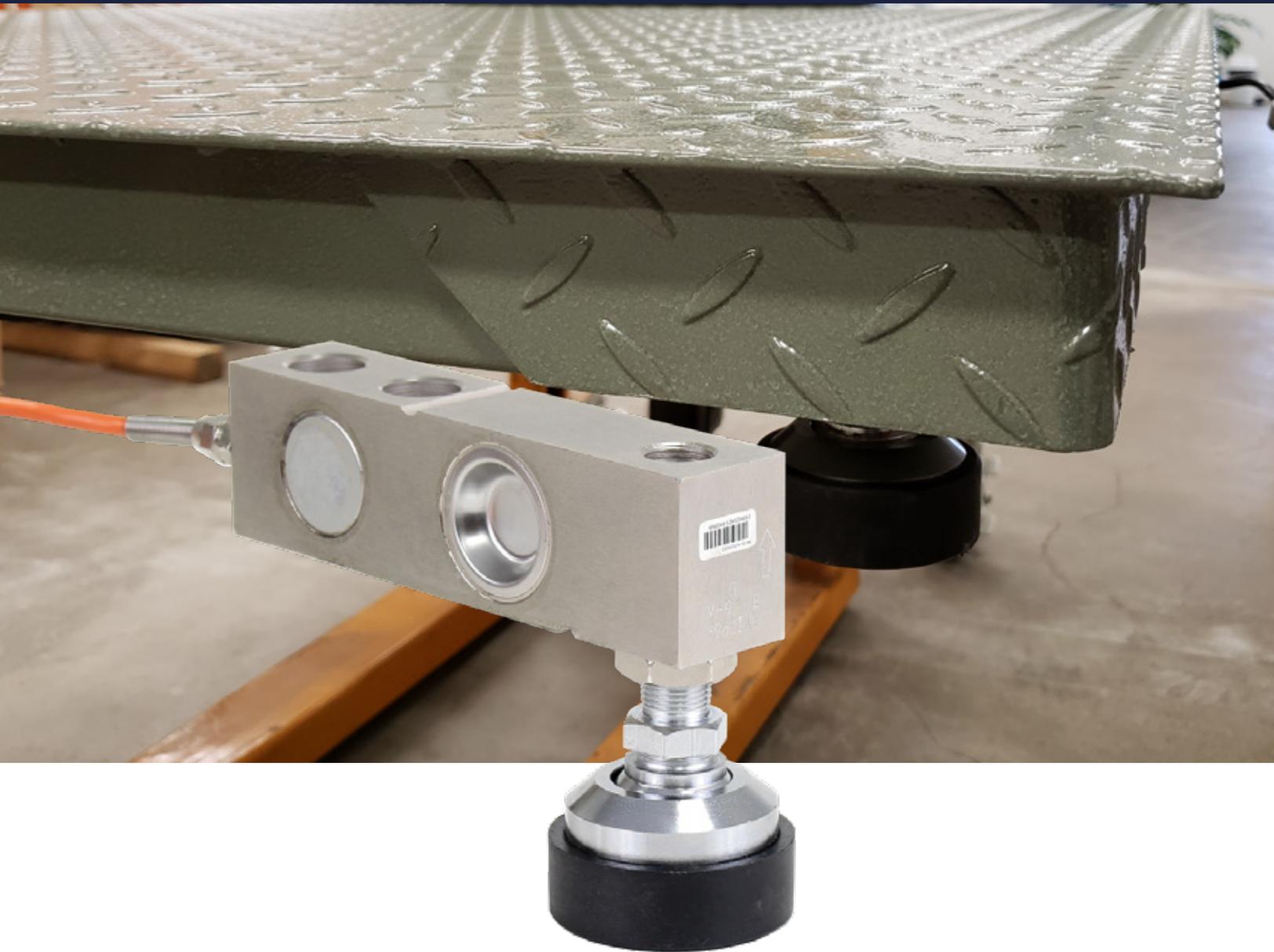


 weightechUSA

BTBI

SHEAR BEAM LOAD CELL



**For multi-point platforms,
livestock scales, silos and small tanks**

BTBI_datasheet_v01 - 05/23/2024

Technical review: Loui Oriqui | Commercial review: Eber Santos

Edition: Stéphaney



BTBI

SHEAR BEAM LOAD CELL

Shear Beam with articulated leveling foot, ideal for multi-point platforms, livestock scales and small silos. 250 kg unit capacity up to 10 t.



RESISTANT

Constructed from alloy steel, with an IP68 degree of protection, providing high resistance to water jets, making it ideal for use in applications requiring high standards of cleanliness.

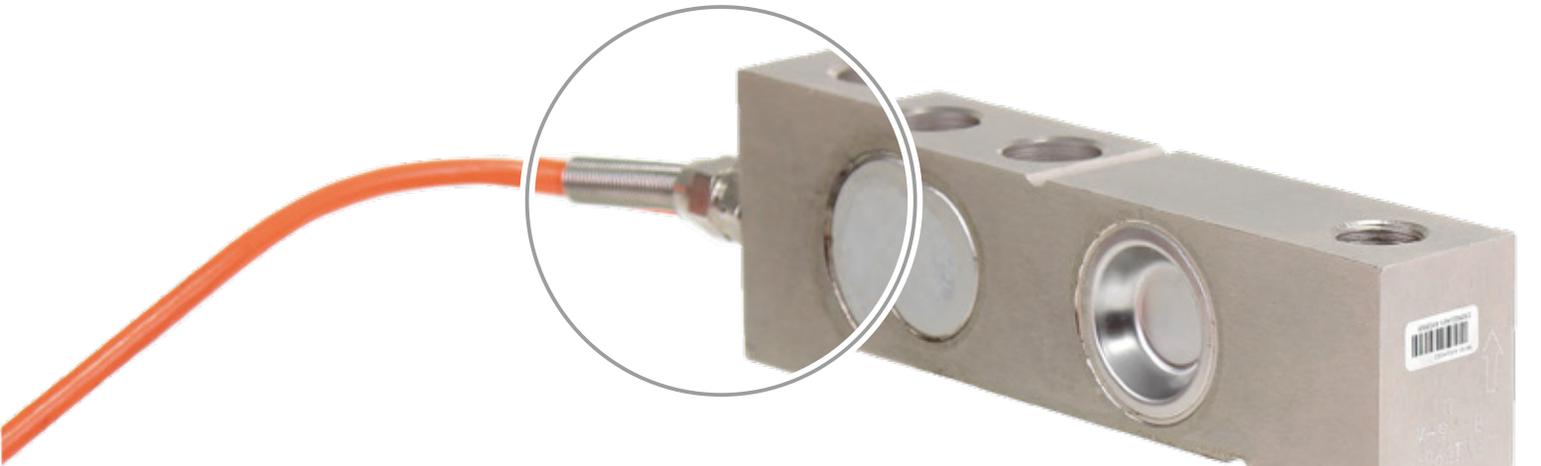
COMPATIBLE SUPPORT

Total compatibility with the SIP-BTBI weighing support, made of electrostatically painted steel with anti-tip system, for weighing applications in tanks and silos.



CABLE PROTECTION

A 4-wire, 3m-long cable with a protection system to prevent cable breakage at the cell exit.



LEVELING FOOT

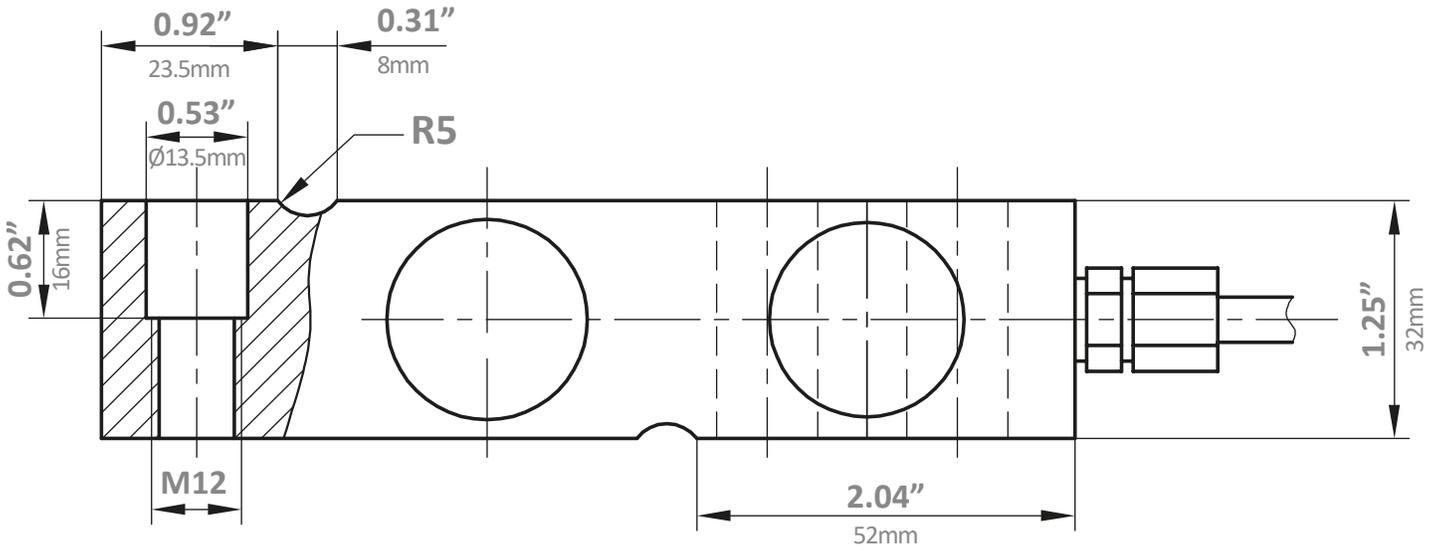
Highly reliable and easy to install, BTBI load cells come with a height-adjustable articulated shoe.



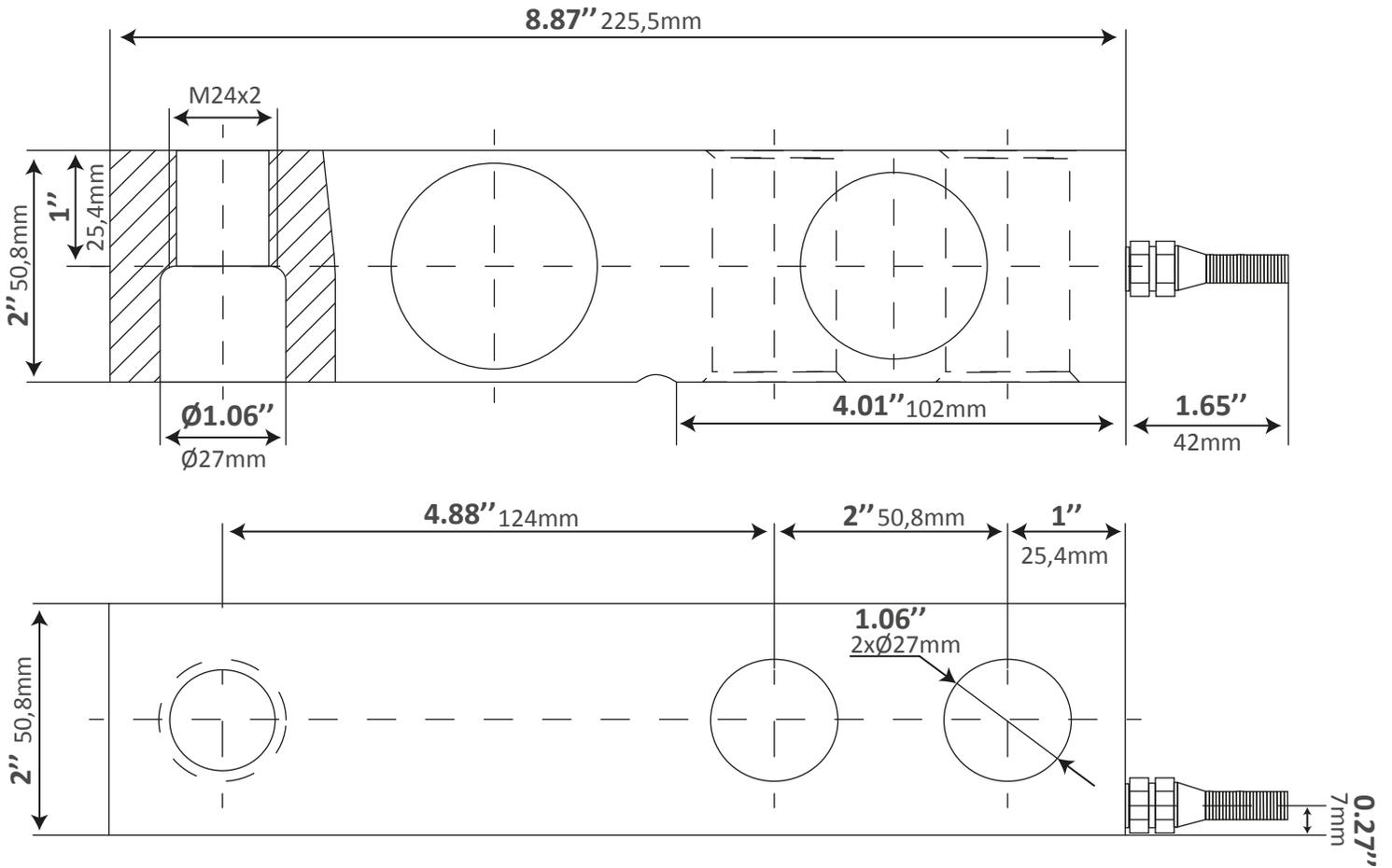
STAINLESS STEEL VERSION

Stainless steel version that is highly resistant to the elements and aggressive areas.

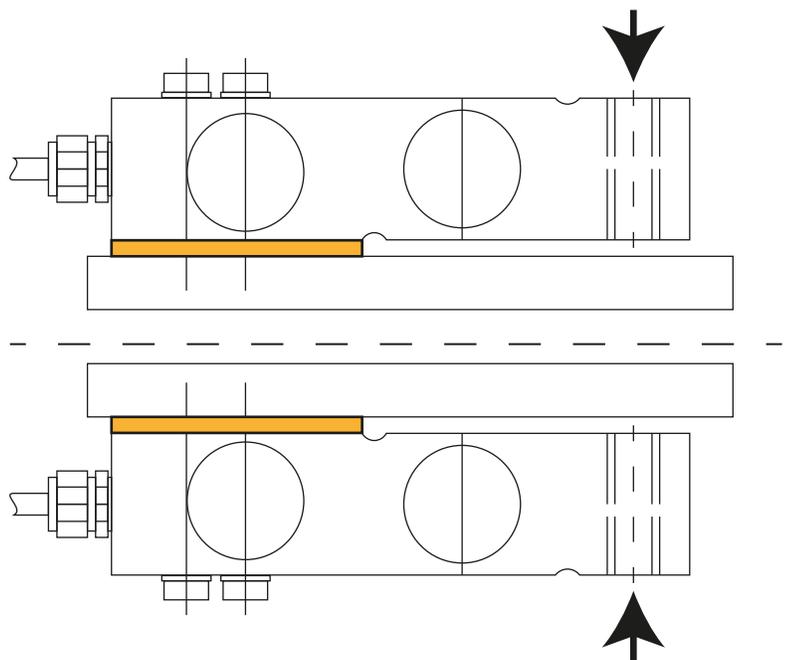
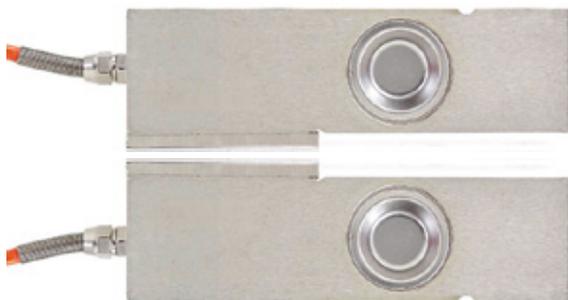
OUTLINE DIMENSIONS up to 2t



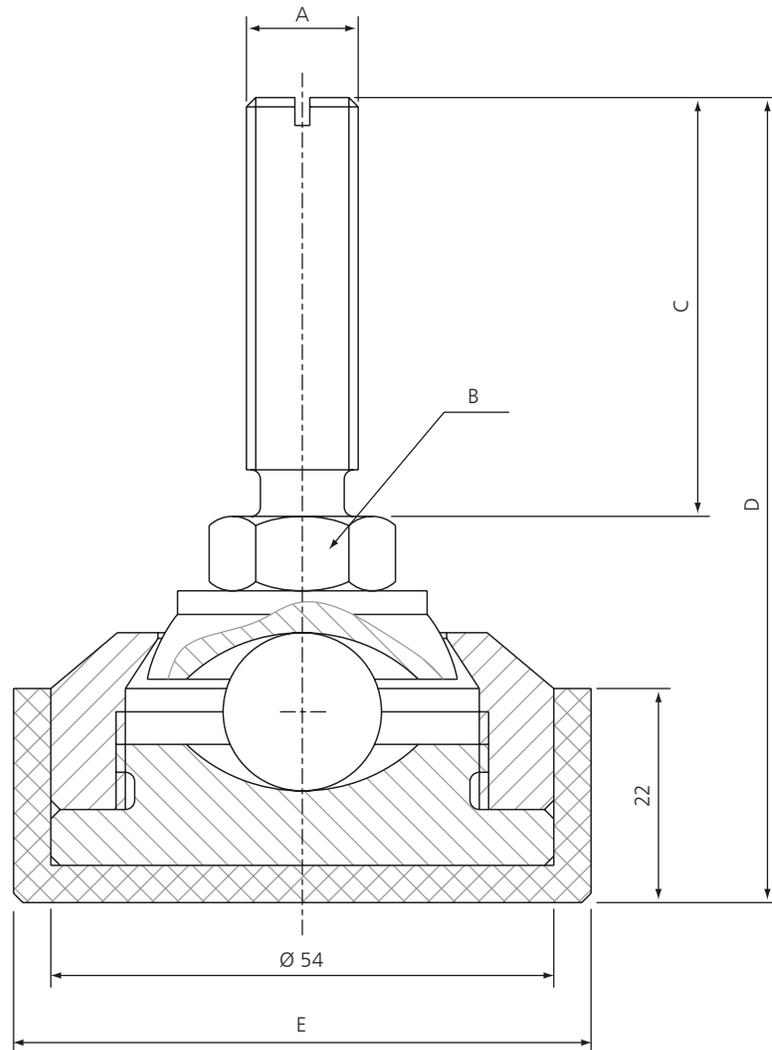
OUTLINE DIMENSIONS 10t



ASSEMBLY



DIMENSIONS leveling foot



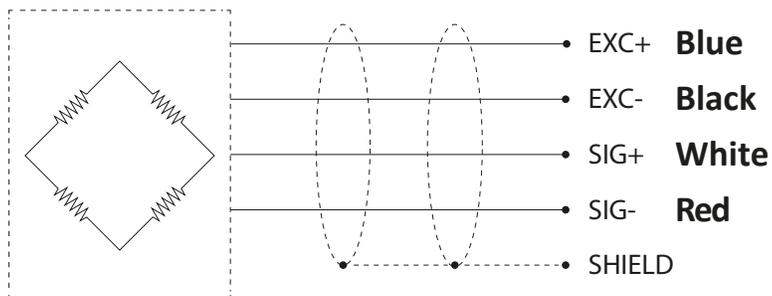
Kg	A	B	C	D	E
250kg ~ 2t	M12	18,9	45	85,5	Ø 62
5t	M18	24	56,5	109	Ø 62
10t	M24	36	64	132	Ø 80



TECHNICAL DATA

Rated load		250kg até 2t	5t	10t
Sensitivity	mV/V	2,0 ± 0.002		
Total error	% F.S	± 0,05		
Creep (30 min)		± 0,05	± 0,02	± 0,03
Zero balance		± 1		
TCO	%F.S / 10°C	± 0,03		± 0,02
TC SPAN		± 0,03		± 0,02
Input Resistance	Ω	400 ± 20		
Output Resistance		352 ± 3		
Insulation Resistance	MΩ	≥ 5000		
Operating Temp Range	°C	-30 até +70		
Nominal temp range		-10 até +40		
Save Overload	%F.S	150		120
Ultimate Overload		250		200
Recommended Excitation	VDC	5		
Maximum Excitation		15		
Protection Class	-	IP68		
Construction	-	Liga de aço		
Cable	-	4 fios; 5m de comprimento; Ø6mm		

WIRING SCHEMATIC DIAGRAM



PART NUMBER

Products	Capacities	Codes
BTBI	250KG	10601
BTBI	500KG	10602
BTBI	1T	10603
BTBI	2T	10604
BTBI	5T	10605
BTBI	10T	10606

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MORE INFO



PRODUCT PAGE