

Stainless steel Bending Beam Model TBS1



- Capacities from 5 to 500 kg
- International industrial standard in dimensions and design
- Great weighing accuracy
- Ideal for all industries
- OIML R60
- 6-wire sense circuit
- Suitable for harsh environments
- Stainless steel
- IP68

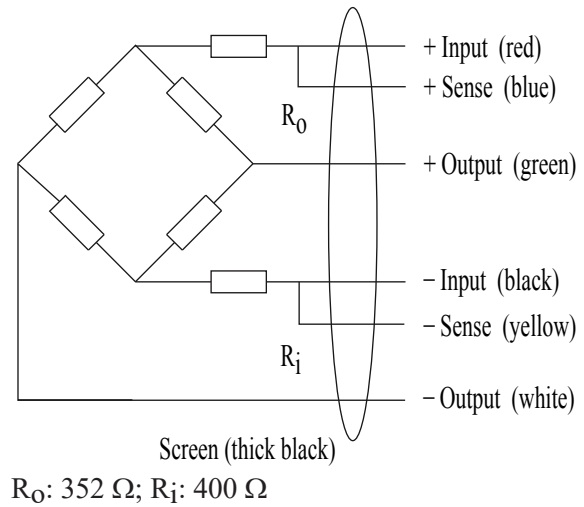
TEKFA's stainless steel bending beam load cell model TBS1 is an industrial standard load cell suitable for a wide range of purposes. The TBS1 load cell is typically used on tanks, platform scales, and various dosing plants. The load cell is constructed in stainless steel, and with the tightness degree IP68 it is protected against water and dust.

The TBS1 series is manufactured in capacities from 5 to 500 kg. All TEKFA load cells have calibration certificates with exactly specified rated output and zero balance. This way, a load cell may be replaced by another of the same capacity, often with a very simple recalibration of the system.

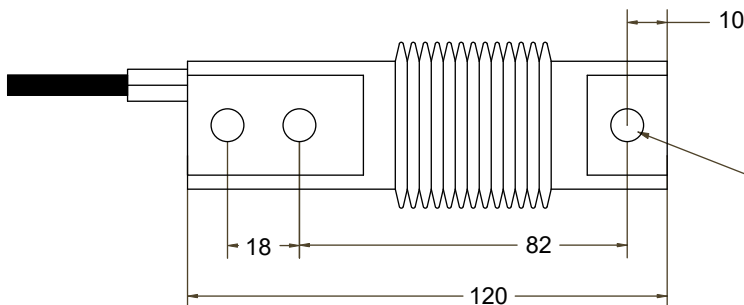
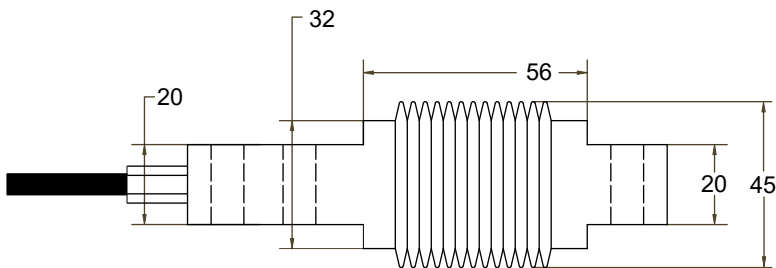
The load cells may be connected to all 350Ω weighing amplifiers as well as TEKFA's instruments ranging from simple weighing indicators to PLC and weighing computers with programs designed for the single customer.

Connection

Capacity	5-500	kg
Rated output	2.0 ± 0.002	mV/V
Total error	±0.02	% F.S.
Linearity	±0.02	% F.S.
Zero balance	±1	% F.S.
Input impedance	400 ± 10	Ω
Output impedance	352 ± 2	Ω
Insulation impedance	≥5000	MΩ
Temperature range	-30 - +70	°C
Safe overload	150	% F.S.
Destructive overload	200	% F.S.
Recommended excitation	10-12	VDC/VAC
Maximum excitation	15	VDC/VAC
Material	Stainless steel	
Protection	IP68	
Cable length	3	m
Own weight	500	g



All dimensions are in mm



Capacity(kg)	Holediameter (mm)
5-250	Ø 8.2
300, 500	Ø 10.2

Type	Cap. (kg)	Type	Cap. (kg)	Type	Cap. (kg)	Type	Cap. (kg)
TBS1	5	TBS1	40	TBS1	100	TBS1	300
TBS1	10	TBS1	50	TBS1	150	TBS1	500
TBS1	20	TBS1	60	TBS1	200	TBS1	
TBS1	30	TBS1	75	TBS1	250	TBS1	