



Pioneering Measured Solutions

Short Selection Guide

Beam Load Cells

group-4.com

GROUP FOUR BEAM LOAD CELLS

Beam type load cells, classified as bending beam, shear beam or single ended beam load cells are suitable for many different types of weighing applications.

When capacity and size of weighing application is large, it becomes impossible to use a single, centre mounted single point load cell. The alternative is to use a beam type load cells mounted at each corner of the weighing platform.

Group Four range of beam load cells, well known for their high accuracy, are available with a wide range of capacities and options.



Capacity Range:

Load cell capacities ranging from 100kg to 2.268T are available.



Material Construction:

Stainless steel, Aluminum and Alloy steel.



Environmental Protection:

IP67, IP68, IP69, IP69k



Options:

- Different mounting and loading sizes
- Weighing accessories (such as load introduction components, load feet, anti-vibration mounts & etc.)
- Weigh modules

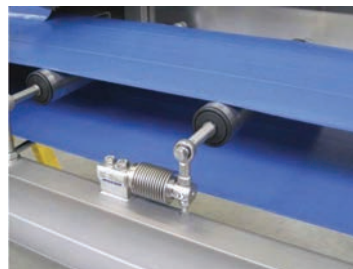


Customized solutions:

When it is not possible to match standard load cell for any application, Group Four can specially check the requirement and provide economical customized load cell solutions.

APPLICATIONS

Platform scales, industrial floor scales, multi-sensor scales



Belt scales and conveyor systems, and process control

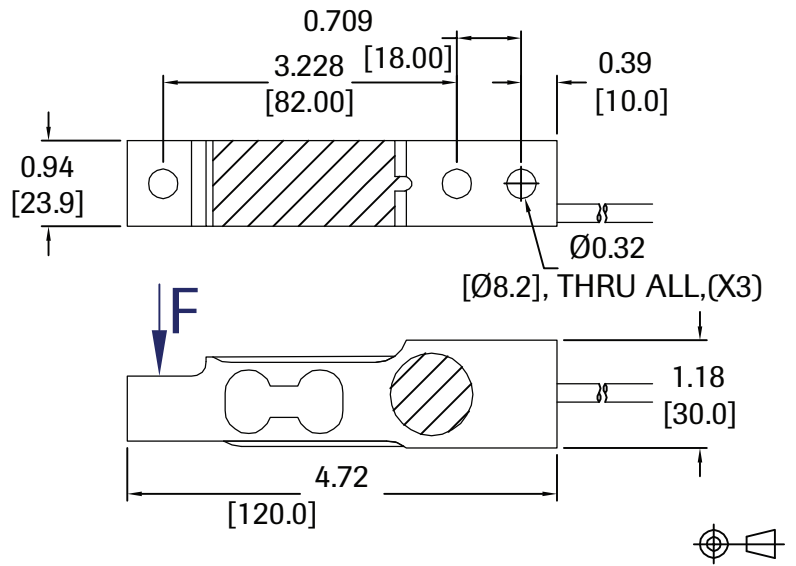
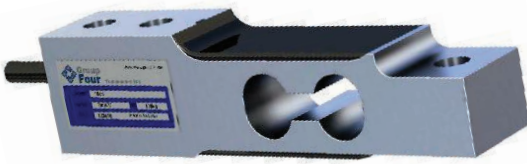


Hospital bed weighing systems, medical equipment



On-board vehicle weighing, on-board weighing on vehicles and agricultural machinery

ZQA 1054



Capacity Range



22-220lb
[10-100kg]

Environmental Protection



IP67

Material Construction



Anodized
Aluminum

Output



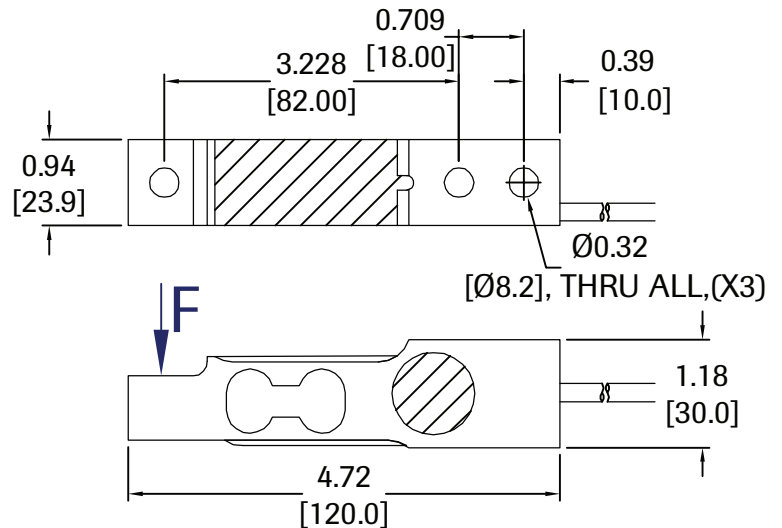
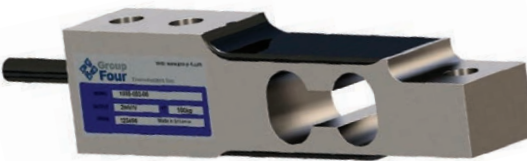
2mV/V

Combined Error



$\leq \pm 0.03\%$ FSO

ZQS 1055



Capacity Range



22-441lb
[10-200kg]

Environmental Protection



IP67

Material Construction



Stainless Steel

Output



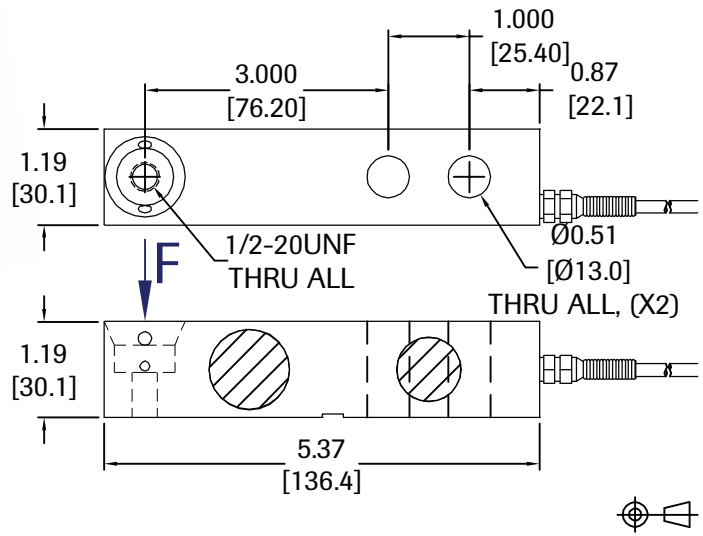
2mV/V

Combined Error



$\leq \pm 0.03\%$ FSO

RBP 1056



Capacity Range



220-5,000lb
[100-2,268kg]

Environmental Protection



Material Construction



Stainless Steel

Output



2mV/V

Combined Error



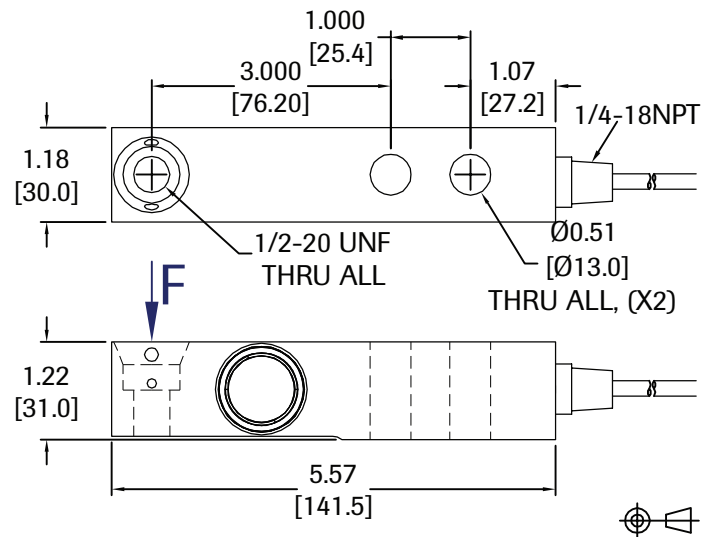
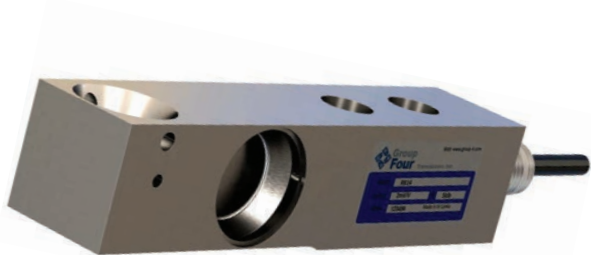
$\leq \pm 0.017\%$ FSO

Options



Load Foot

RB14 1032



Capacity Range



1,000-5,000lb
[454-2268kg]

Environmental Protection



Material Construction



Stainless Steel

Output



2mV/V

Combined Error



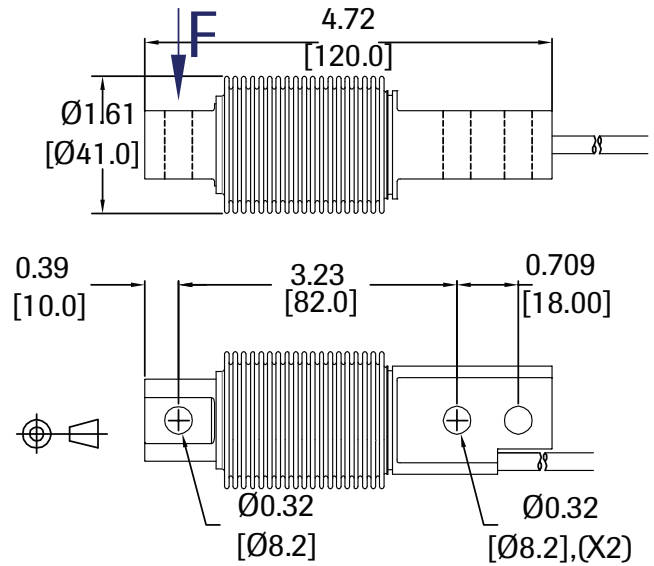
$\leq \pm 0.03\%$ FSO

Options



Load Foot

SB38N 1001



Capacity Range

 11-44 lb
[5-200kg]

Environmental Protection

 IP68

Material Construction

 Stainless Steel

Output

 2mV/V

Combined Error

 $\leq \pm 0.02$ % FSO

Options

 Loading
(1042 SB38-xx-96)

Accessories

Load Foot



Load Cup



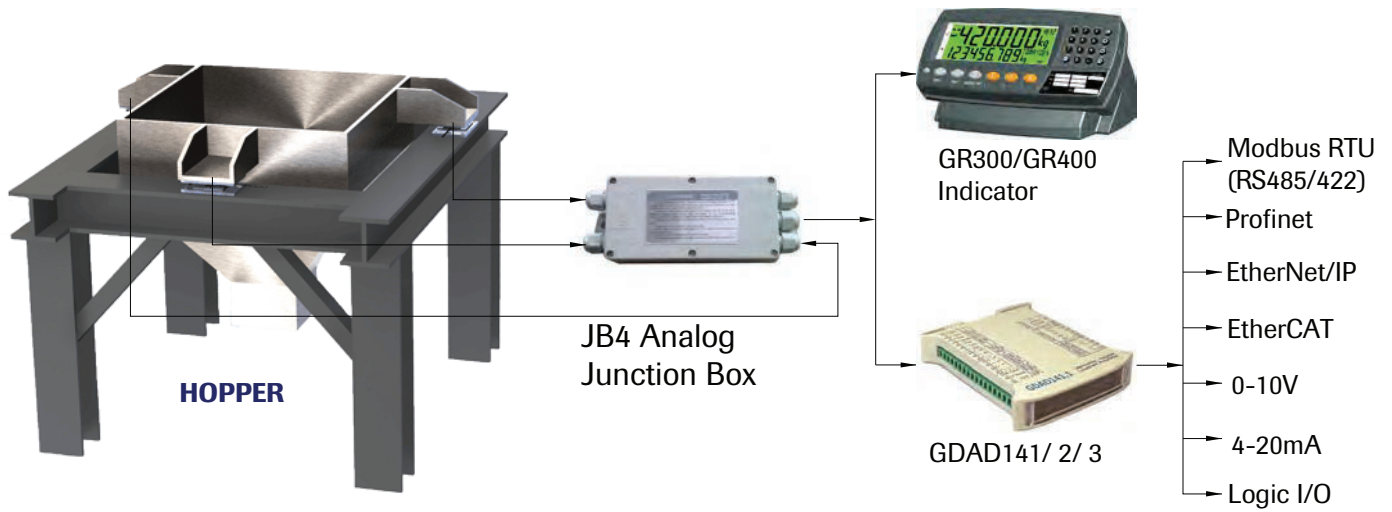
Load Button



Load Mount



Group Four Measurement Chain Solutions



Group Four connects beam and other analog systems with signal conditioners to convert, analog signals into digital signals. The Group Four process instrumentation support Ethernet/IP (AB), Profinet, EtherCAT, Modbus TCP, and other communication systems enabling high speed digital data transmissions.

Group Four's pursuit of excellence takes your measurements a step ahead into the world of digital load cells, where you will find load cells with embedded electronics thereby eliminating the need of signal amplification and conversion. You get direct digital output in RS232+CAN or RS485+RS422 format. Connect it directly to your PLC or PC, use our highly futuristic DOP4 software and leave your competition way behind.

Contact a Group Four Application Engineer to Discuss Your Measurement System Today!



Pioneering Measured Solutions

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