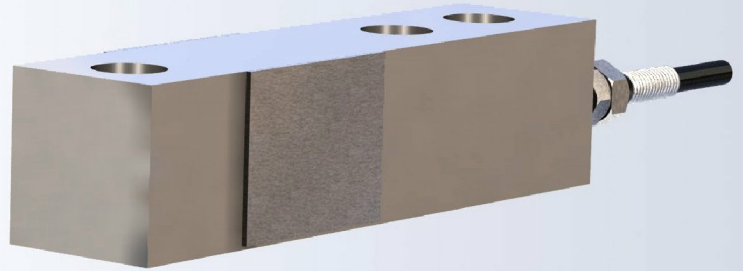


The type RB3 alloy steel shear beam load cell is ideal for use in floor scales, conveyor scales and general purpose weighing systems.



IP67

### FEATURES

- Capacities from 250lb to 4klb.
- Alloy steel construction.
- Environmental protection IP67.

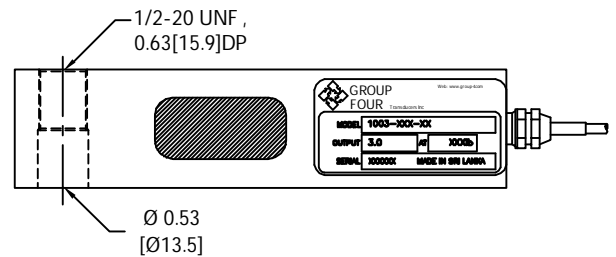
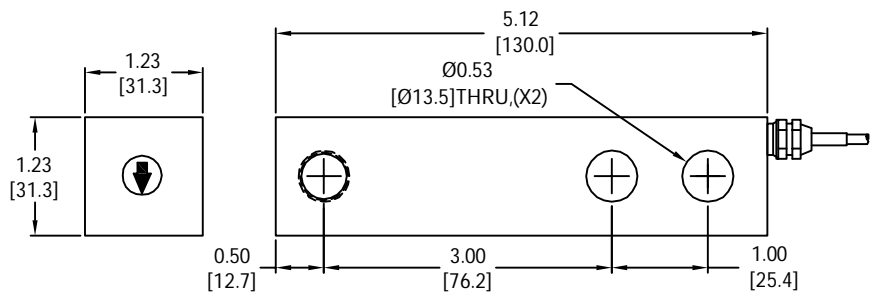
### APPLICATIONS

- Conveyor scales, floor scale and general purpose weighing systems.

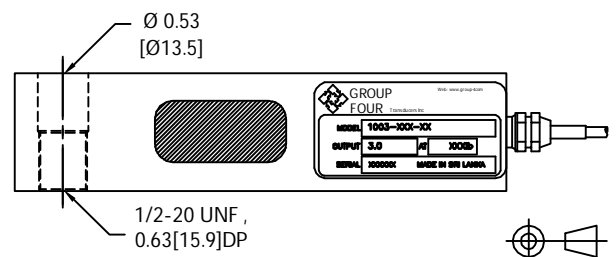
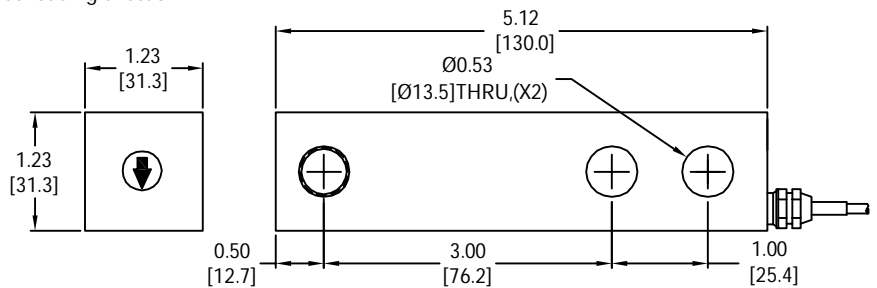
### OPTIONS

- Full scale output - 2mV/V version.
- Environmental protection -IP68 version.

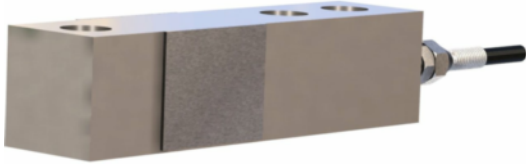
### OUTLINE DIMENSIONS



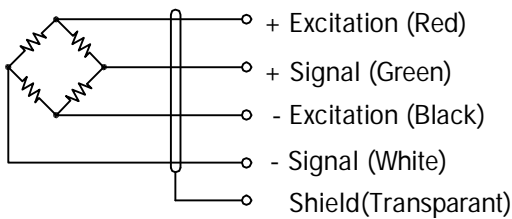
Inverse loading direction:



shear beam  
**RB3**  
**1003**



**WIRING**



Cable(250lb-1.5klb) : 24AWG, 4-Conductor shielded cable.

Cable(2.5klb-4klb) : 22AWG, 4-Conductor shielded cable.

**SPECIFICATIONS**

Model	1003		
Capacities	lb	250/ 500/ 750/ 2.5k/ 4k	
Full scale output(FS)	mV/V	3±0.15%	
Non-linearity	%FS	≤±0.03	
Hysteresis	%FS	≤±0.03	
Non- repeatability	%FS	≤±0.03	
Creep@30min	%LOAD	≤±0.03	
Zero Balance	mV/V	≤±0.02	
Temperature effect			
	Output	%FS/°C	≤±0.002
	Zero	%FS/°C	≤±0.003
Temperature range			
	Operating	°C	-20... +60
Terminal resistance			
	Input resistance	Ω	390±15
	Output resistance	Ω	350±5
Excitation voltage	VDC	5... 15	
Insulation resistance@50VDC	MΩ	≥5000	
Safe overload limit	%FS	150	
Seal type	IP67		
Element material	Alloy steel		

**PART NUMBERS**

Capacity (lb)	Cable Length(ft)	Part #
250	50	1003-014-03
2.5k	20	1003-019-06
Inverse loading direction		
250	20	1003-014-04
750	20	1003-026-00

Dimensions and specifications subject to change without notice



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