

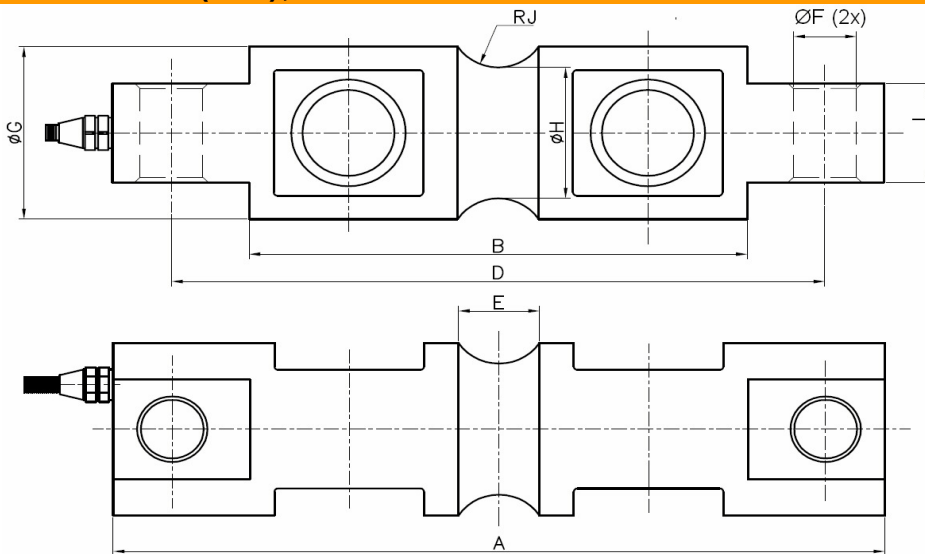
Type BD420 / BD420S is an alloy steel / stainless steel construction, double ended shear beam type loadcell designed for high capacity silo and tank weighing applications with hermetic sealing.



Key features;

- Capacities; 50,70 and 100 klb
- BD420 alloy steel
- BD420S stainless steel
- Protection class IP68
- High accuracy

Dimensions (mm);



*Use with LA-BD420 mounting kit is recommended for high resolution

Capacity	50-70 klb	100 klb
A	260	286
B	165	190
C	22	22
D	216	241
E	25	25
F	27	27
G	76	89
H	69	82
I	60	64
J	25	25

Color codes;

+input	blue
+output	white
-input	black
-output	red
shield	yellow

Technical specifications;

Capacity	klb	50 / 70 / 100
Output sensitivity	mV / V	3.0 ± 0.005
Temperature effect on zero	%FS / 10°C	≤ 0.02
Temperature effect on sensitivity	%FS / 10°C	≤ 0.02
Combined error	%FS	≤ 0.03
Creep	%FS	≤ 0.02
Input resistance	Ω	750 ± 10
Output resistance	Ω	702 ± 3
Insulation resistance	MΩ	≥ 5000
Zero balance	%FS	≤ 1
Temperature, operating	°C	-30...+70
Excitation, Recommended	V	5 - 12 (DC)
Excitation, Maximum	V	15 (DC)
Safe overload	%FS	150
Ultimate overload	%FS	250
Construction		BD420 alloy steel / BD420S stainless steel
Environmental protection		IP68
Cable		Length 12 m (50-70 klb) 16 m (100 klb), diameter 6 mm

(Properties are subject to change without notification. 01 / 2009)