



Strain Gage

Load Cell

Pressure Sensor

Acceleration Sensor

Torque Sensor

Displacement Sensor

Component Force Sensor

Automotive Sensor

Civil Engineering Sensor

BLD-A-S

Hollowed Load Cell

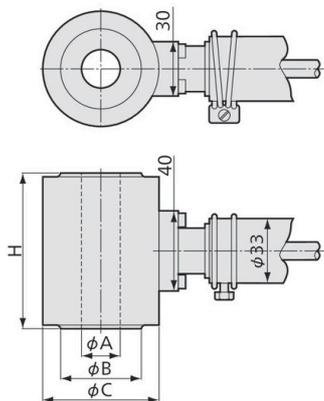


Suitable for field measurement

- Rated capacity: 50 to 500 kN

These center hole load cells are compact and lightweight for use in measuring loads applied to PC anchors and rock bolts.

Dimensions



Bared at the tip (standard)



Specifications

Performance

Rated Capacity See table below.

Nonlinearity Within $\pm 1\%$ RO

Hysteresis Within $\pm 1\%$ RO

Rated Output 1 mV/V or more

Environmental Characteristics

Safe Temperature -20 to 70°C

Compensated Temperature -10 to 60°C

Temperature Effect on Zero Within $\pm 0.1\%$ RO/ $^{\circ}\text{C}$

Temperature Effect on Output Within $\pm 0.1\%$ / $^{\circ}\text{C}$

Electrical Characteristics

Safe Excitation 10 V AC or DC

Input Resistance $350\ \Omega \pm 2\%$

Output Resistance $350\ \Omega \pm 2\%$

Cable 4-conductor ($0.5\ \text{mm}^2$) chloroprene shielded cable, 9.6 mm diameter by 1 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads 120%

Weight See table below.

*Specifications and design are subject to change without notice.

*Please contact us for information on product warranties.

Models

Model	Rated Capacity	ϕA	ϕB	ϕC	H	Weight (Approx.)
BLD-A-50KNS	50 kN	10	22	50	60	200 g
BLD-A-100KNS	100 kN	20	32	61	80	300 g
BLD-A-200KNS	200 kN	20	42	61	80	600 g
BLD-A-500KNS	500 kN	25	54	64	100	1.3 kg

ϕA : Hollow diameter