



To endure field applications, these transducers feature a waterproof design, and high accuracy

The BL-E series hollowed load cells are designed to accurately measure the load applied to a ground anchor, PC anchor and the support of a tunnel arch. To endure field applications, these transducers feature a waterproof design and high accuracy.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	BL-100TE: Within $\pm 0.5\%$ RO BL-200TE: Within $\pm 1.5\%$ 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/°C
Temperature Effect on Output	Within $\pm 0.1\%$ /°C

Electrical Characteristics

Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 $\Omega \pm 2\%$
Output Resistance	350 $\Omega \pm 2\%$
Cable	4-conductor (0.5 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.

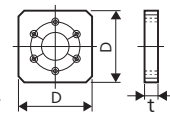
Optional Accessories

Saddle for BL-type Load Cells

Dimensions (D) and (t) are available in the following range depending on rated capacity.
D = 100 x 100 mm to 400 x 400 mm
t = 20 to 50 mm

● Inform us the dimensions of the part of equipment which contacts with the saddle.

*A round saddle is also available for option.

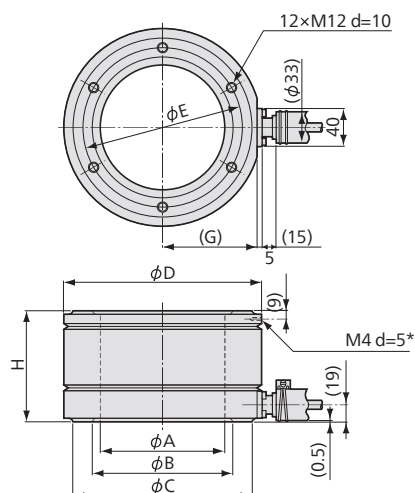


Models	Rated Capacity	ϕA	ϕB	ϕC	ϕD	ϕE	(G)	H	Weight (Approx.)
● BL-100TE	1 MN	85	98	128	140	113	66	110	6.6 kg
● BL-200TE	2 MN	133	150	190	210	170	101	120	14.1 kg

● For delivery date, please contact us.

ϕA : Hollow diameter

Dimensions



* For grounding of lightning arrester kit.

Application Example

