

78 Laboratory Equipment - Load Measurement

Load Rings Calibrated in Compression

Clamped Boss Load Rings

- ◆ Repeatability within 0.2% of indicated load
- ◆ Accuracy within $\pm 1\%$ of indicated load
- ◆ Works calibrated

ELE Clamped Boss Load Rings are available in the range 1 kN to 50 kN.

The available capacities and performance of ELE load rings satisfy the requirements for accurate load measurement for a wide range of testing applications. The repeatability and accuracy of all clamped boss rings comply with the requirements of NIS 0415 Accreditation for the Calibration of Force Measuring Rings and Load Cells used in Soil Testing.

The repeatability of all load rings is within 0.2% of indicated load and accuracy is $\pm 1\%$ of indicated load over the upper 80% of the working range, at the calibration loads.

All clamped boss load rings are calibrated in kN and supplied with a calibration chart.

Complete with a detachable nipple, all rings are supplied in a protective foam moulding.

Typical load measurement applications for load rings



Ordering Information

Model number	Capacity			Typical design sensitivity			Overall height mm	Approx weight kg
	kN	kgf	lbf	N/div	kgf/div	lbf/div		
EL78-0060	2.0	200	450	1.3	0.13	0.30	248	3.2
EL78-0160	3.0	300	650	2.0	0.20	0.43	248	3.3
EL78-0260	4.5	450	1000	3.0	0.30	0.66	248	3.5
EL78-0460	10.0	1000	2250	7.7	0.77	1.73	248	4.6
EL78-0760	28.0	2800	6000	25.5	2.54	5.45	248	5.4
EL78-0860	50.0	5000	11200	45.5	4.54	10.18	248	7.9