

## LOAD MEASURING RINGS

### General description and specifications

Used for load measurement and for calibration of testing machines. Made from special alloy steel. All standard models are supplied complete with dial gauge 5x0.001 mm and the electronic models (suffix E) are fitted with an electronic transducer. The repeatability is within the 0.2% and the accuracy is held within  $\pm 1\%$  over the upper 80% of the full range.

The load rings can be supplied in different versions depending upon the use and the machine to be used with. For an easy and complete identification of the ring model, the code number is followed, with the exception of the standard model by a suffix letter as specified above.

#### No suffix letters

Example: 82-T1001

Identifies the standard model, which is used for all tests, with the exception of the shear box apparatus, which requires a ring with special ends.

#### Suffix "/E" = with electronic transducer

Example: 82-T1004/E. This suffix identifies the standard models in which are mounted the conventional dial gauge together with electronic transducer providing an electrical signal for connection to a readout unit or electronic data acquisition system. Available up to 5 kN load capacity.

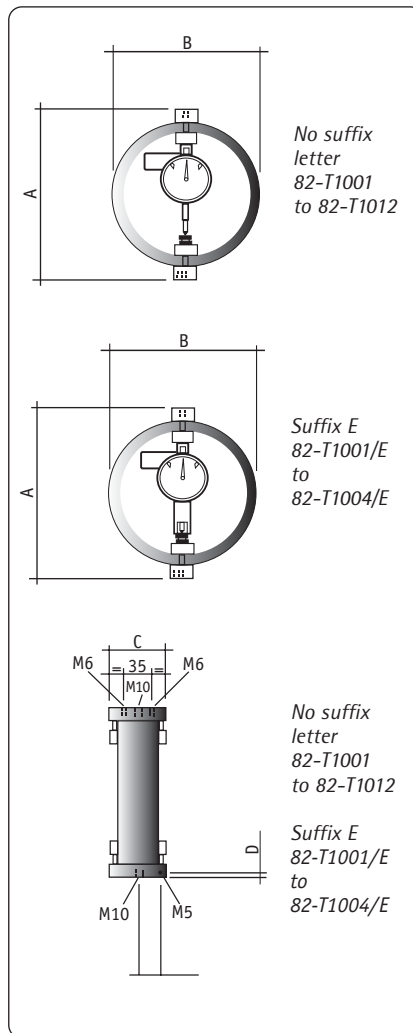
### Accessories

➤ **28-T1049** Connection with conical seat for load rings. It has to be screwed on the lower base of the proving ring to receive the hemispherical end of the triaxial cell piston. Weight 50 g approx.

➤ **82-T1050** Suspension ball seat for testing machines. Supplied complete with connection for load rings

➤ **82-D1258** Stem brake device for dial gauges. To maintain the maximum reading after the failure of the specimen

Code	Max. load kN	Resol. mm	Dimensions					Net weight kg
			A	B	C	D	E	
82-T1001	1.0	0.001	214	182	46	6.5	15	1.2
82-T1001/E	1.0	0.001	214	182	46	6.5	15	1.2
82-T1002	2.0	0.001	214	182	46	6.5	15	1.4
82-T1002/E	2.0	0.001	214	182	46	6.5	15	1.4
82-T1003	5.0	0.001	214	182	46	6.5	15	1.7
82-T1003/E	5.0	0.001	214	182	46	6.5	15	1.7
82-T1004	10.0	0.001	214	182	46	6.5	15	2.2
82-T1004/E	10.0	0.001	214	182	46	6.5	15	2.2
82-T1005	15.0	0.001	214	182	70	6.5	27	2.5
82-T1006	20.0	0.001	214	182	70	6.5	27	3
82-T1007	30.0	0.001	214	182	70	6.5	27	3.5
82-T1008	40.0	0.001	214	182	70	6.5	27	3.9
82-T1009	50.0	0.001	214	182	70	7	27	3.9
82-T1010	60.0	0.001	214	182	70	7	27	3.9
82-T1012	100.0	0.001	308	270	109	9.5	46.5	15



### note

All load rings are supplied with a calibration chart prepared by a computer. If necessary the calibration can be made in other units.

- High resolution dial gauge: 0.001 mm
- Accuracy  $\pm 1\%$
- Large range: 1 to 100 kN cap.



82-T1009



82-T1002/E