

Product Name :
Astra Scientific Compression-Flexure Cement Testing Frames

Product Code :
ASTCEMENT-0038



Description :

Astra Scientific Compression-Flexure Cement Testing Frames

Technical Specification :

General Properties:

These Multipurpose compression / flexural testers have been designed for various applications in which a limited maximum load is requested, together with a large testing space such as, for instance, compressive strength on lightweight concrete and soil-cement specimens using, if necessary, the suitable accessories. It is also ideal for testing high strength cement and refractory specimens. The large testing space is ideal for performing, with the suitable accessory, splitting tests and flexural tests on concrete specimens. Two versions are available:

Single compression station, 500 kN or 600 kN cap.: for compression tests on low strength specimens.

Double station model, 600/15 kN or 500/15 kN cap.: extends the possible applications to flexural tests on cement and compression tests on low strength specimens.

Frames and compression platens High

rigidity: solid one piece steel frame. Spherical seat allows free alignment at the initial contact with the specimen. For compression platens see Technical Specifications. Pedestal not included. See accessories.

Machine/Frames precision Class. EN 12390-4, ASTM E74 All

frames, when connected to a suitable control console, are supplied calibrated to Class 1 starting from 10% of load scale as specified in the Technical Specifications table. By special calibration procedures, it is possible to extend Class 1 load measurement accuracy (see Upgrading Option and Technical Specifications)

- **High rigidity: solid one piece steel frame**
- **Universal compression testers**, in practice, suitable to house various accessories for testing cement, mortar, resins and other materials
- **Special calibration starting from few kilonewtons available on request** (see upgrading options) when connected to suitable control unit
- **large testing space**
- **Best quality/price ratio**

Single Chamber
Capacity [kN]
Position measurement sensor
Class 1 range
With ÷ 600 kN
50-C0050/CAL
With
50-C0050/CAL5
With ÷ 500 kN
50-C0050/1CAL
Platen dia. [mm]
Hardness [HRC]
Thickness [mm]
Ram travel mm

Vertical daylight [mm]*
Horizontal daylight [mm]
Dimensions (lxdxh) [mm]
Weight approx. [kg]

*To be adjusted using the suitable distance pieces. See accessories

Double Chamber
Capacity [kN]
Load measurement sensor
Load cell
Capacity range
1.5 kN ÷ 15 kN
Model
SW-CAL
SW-CAL5
Plate size [mm]
130
Plate thickness [HRC]
12
Travel [mm]
30
Vertical daylight [mm]*
Horizontal daylight [mm]
Dimensions (lxdxh) [mm]
Weight approx. [kg]



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