

DATA SHEET

Compression Test Device for Rock Specimens



Compression device for rock specimens model 32-D9035

General description

This compression jig is strictly compliant to ASTM D7012 Rock core specimens Test Methods, in particular the spherical seat / compression plates / specimen diameters' ratios fall within the prescriptions.

The Rock core should have a diameter from 54.7 mm (NX type) to 63.5 mm (HQ type).

It consists of a heavy duty twin-column frame, a spherically seated upper platen hold by calibrated springs and a lower platen centred on the frame base. The high stiffness structure and the high performance steel of the spherical seat make this device particularly suitable for high strength rock specimen featuring brittle properties and explosive failure.

It shall be preferably fixed on the compression machine piston head by the threaded pin included in the supply compatible with all CONTROLS compression frames / machines.

Main features

- Strictly compliant to ASTM D7012 Rock core specimens Test Methods
- The Rock core shall have a diameter from 54.7 mm (NX type) to 63.5 mm (HQ type)
- Heavy duty / high stiffness compression device
- Max. load capacity: 1200 kN
- High stiffness structure and the high performance steel making this device particularly suitable for high strength rock specimen featuring brittle properties and explosive failure

Standards

- ISRM
- ASTM D7012

Specifications

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Max. loading capacity: 1,200 kN

Platens dia.: 80 mm

Platens hardness: \geq 58 HRC

Loading head stroke: 66 mm

Vertical clearance: 167 mm

Supplied with distance pieces to reduce the vertical clearance: 2 pcs. h 30 mm and 1 pc. h 22 mm

Overall dimensions: 249 mm dia. x 333 mm height

Weight: 30 kg



Compression device for rock core specimens model 32-D9035 with rock specimen NX type



Compression device for rock specimens model 32-D9035 mounted inside a CONTROLS compression machine

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Compression device for rock specimens model 32-D9035: detail of the spherical seat hold by springs



Compression device for rock specimens model 32-D9035: detail of the distance pieces included in the jig

Products

32-D9035

Compression device for rock core specimens with dia. from 54.7 mm (NX) to 63.5 mm (HQ) conforming to ASTM D7012.