

Compression Testing Machine – RP 400 DC/LC

RP 400 DC/LC Frame

- Fully machined frame with two chrome-plated columns (DC: Double Column), compliant with NFP 18-412 or EN 12390 standards.
- Double-acting cylinder, 400 kN force at 400 bar, 300 mm stroke (LC: Long Stroke), fitted with low-friction seals.
- 500 bar pressure sensor, accuracy 0.15% FS.
- Treated and ground steel platens, Ø 212 mm, hardness 58 HRC.
- For specimens from Ø 4x8 cm up to 16x32 cm.
- Upper platen mounted on spherical seat, 3° angular movement.
- Chamber height: 340 mm without spacers.
- Stainless steel safety doors with thick polycarbonate window.
- Dimensions: 580 x 510 x 1520 mm.
- Frame weight: approx. 400 kg.
- Measuring range: 10 to 400 kN, accuracy 1%, repeatability 0.5% – Class 1.
- Open base for easy and safe handling with a standard pallet truck.



Accessories

Spacer for compression tests on 10 x 10 cm and 15 x 15 cm cubic specimens

- Removable spacer made of treated and ground steel.
- Designed for a 340 mm chamber height.
- Equipped with two handles for easier handling.
- Compliant with EN 12390 specifications: hardness, roughness, etc.
- Lower spacer diameter: 160 mm for easy centering on the platen.
- Upper spacer diameter: $150\sqrt{2}$ mm, allowing automatic centering of 15 x 15 cm cubic specimens.



- Centering mark diameter: $100\sqrt{2}$ mm, allowing visual centering of 10 x 10 cm cubic specimens.
- Ref. F05M1217000-112

Spacer for compression tests on 11 x 22 cm cylindrical specimens

- Removable spacer made of treated and ground steel.
- Designed for a 340 mm chamber height.
- Equipped with two handles for easier handling.
- Compliant with EN 12390: hardness, roughness, etc.
- Lower spacer diameter: 160 mm for easy centering on the platen.
- Ref. F05M0654000-113



Mechanical centering device on 11 x 22 cm spacer

- Mechanical centering device fixed onto the spacer.
- Allows quick and easy centering of the specimen on the spacer.
- Ref. F05M0654005