COMPRESSION TESTING MACHINE (4-Columns)

Code : B004



- Used to test the compression strength of concrete cubes/cylinders of different sizes.
- ALFA is the first company in the world to manufacture Computer-Controlled Compression Testers.
- The rigid 4-column design provides stability and strength for a better using experience.
- The load frame carries the ball-seated upper platen which adjusts itself to apply homogeneous loading on the specimen.
- The lower platen is located on the loading piston which protected against debris by a cover.
- The ball seating and the lower platen assemblies are supplied in a way to match the capacity of the machine and the specimens to be tested, ensuring accurate alignment and stable repeatable testing.
- All different models have been designed with reference to the International Standards (ASTM C39 and EN 12390-4), ensured that the machines can easily meet the standards and, where appliable, can be supplied with relevant certification for calibration accuracy and other parameters.
- Supplied complete with spacer discs (Additional spacer discs can be ordered separately).

STANDARDS

ASTM C39 • EN 12390-4

TECHNICAL SPECIFICATIONS

- 4-Column design
- Supplied standard with front safety guard door.
- By combining the stiffness of the frame with the accuracy of the control unit, one machine can perform tests on a variety of specimen types.
- 220 - 240 V / 50 - 60 Hz

EQUIPPED WITH

- Safety front guard
- Limit switch to prevent piston overtravelling

SUPPLIED WITH

- Distance pieces to test:
  - Cubes (15 x 15 cm)
  - Cylinders (Ø 4" X 8") (Ø 10 x 20 cm)
  - Cylinders (Ø 6" X 12") (Ø 15 x 30 cm)

ACCESSORIES

Item	Code

BELLOWS RUBBER for PRESS SPHYRICAL SEATING	B001P013H
SPHERICAL SEATING for B001	B001P020H
HYDRAULIC VALVE for B001 - 400 bar	B001P021H
FLEXURAL TESTING MACHINE (C-Frame) - 200 kN	B002A20XU
FLEXURAL TESTING MACHINE (C-Frame) - 300 kN	B002A30XU
POWER PACK - 400 Bar	B002P000U
FLEXURAL C-FRAME - 200 kN	B002P20XH
FLEXURAL C-FRAME - 300 kN	B002P30XH
FLEXURAL TESTING MACHINE (Rectangular Frame) - 200 kN	B003A20XU
FLEXURAL TESTING MACHINE (Rectangular Frame) - 300 kN	B003A30XU
FLEXURAL TESTING MACHINE (Rectangular Frame) - 600 kN	B003A60XU
FLEXURE APPARATUS for CONCRETE BEAMS	B003P001H
RECTANGULAR COMPRESSION PLATES - 30x40 cm	B003P003H
SPACER DISK - 40 mm	B003P004H
SPACER DISK - 50 mm	B003P005H
SPACER DISK - 100 mm	B003P006H
SPLITING TENSILE APPARATUS for Ø 100 mm CYLINDRER SPECIMENS	B003P007H
SPLITING TENSILE APPARATUS for Ø 150 mm CYLINDRER SPECIMENS	B003P008H
SPLITING TENSILE APPARATUS for 150 mm CUBES	B003P009H
THERMAL PRINTER for COMPRESSION TESTER (B-001 and B-004)	B003P010H
METAL DOOR for 2000 kN COMPRESSION TESTER	B003P011H
METAL DOOR for 3000 kN COMPRESSION TESTER	B003P012H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for Ø75x150mm CONCRETE CYLINDERS	B003P020H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for Ø75x150mm CONCRETE CYLINDERS	B003P021H
COMPRESSOMETER/EXTENSOMETER (LVDT) for Ø75x150mm CONCRETE CYLINDERS	B003P022H

COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for Ø100x200mm CONCRETE CYLINDERS	B003P023H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for Ø100x200mm CONCRETE CYLINDERS	B003P024H
COMPRESSOMETER/EXTENSOMETER (LVDT) for Ø100x200mm CONCRETE CYLINDERS	B003P025H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for Ø150x300mm CONCRETE CYLINDERS	B003P026H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for Ø150x300mm CONCRETE CYLINDERS	B003P027H
COMPRESSOMETER/EXTENSOMETER (LVDT) for Ø150x300mm CONCRETE CYLINDERS	B003P028H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for Ø160x320mm CONCRETE CYLINDERS	B003P029H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for Ø160x320mm CONCRETE CYLINDERS	B003P030H
COMPRESSOMETER/EXTENSOMETER (LVDT) for Ø160x320mm CONCRETE CYLINDERS	B003P031H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for 100x100mm CONCRETE CUBES	B003P032H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for 100x100mm CONCRETE CUBES	B003P033H
COMPRESSOMETER/EXTENSOMETER (LVDT) for 100x100mm CONCRETE CUBES	B003P034H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for 150x150mm CONCRETE CUBES	B003P035H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for 150x150mm CONCRETE CUBES	B003P036H
COMPRESSOMETER/EXTENSOMETER (LVDT) for 150x150mm CONCRETE CUBES	B003P037H
COMPRESSOMETER/EXTENSOMETER (DIAL GAUGE) for 200x200mm CONCRETE CUBES	B003P038H
COMPRESSOMETER/EXTENSOMETER (DIGITAL) for 200x200mm CONCRETE CUBES	B003P039H
COMPRESSOMETER/EXTENSOMETER (LVDT) for 200x200mm CONCRETE CUBES	B003P040H
FLEXURAL RECTANGULAR FRAME - 200 kN	B003P20XH
FLEXURAL RECTANGULAR FRAME - 300 kN	B003P30XH
FLEXURAL RECTANGULAR FRAME - 600 kN	B003P60XH

ORDERING INFORMATION

Item Name	Item Code
COMPRESSION TESTER (2000 kN, EN, 4-Column, FA)	B004A20EU
COMPRESSION TESTER (3000 kN, EN, 4-Column, FA)	B004A30EU
COMPRESSION TESTER (4000 kN, EN, 4-Column, FA)	B004A40EU
COMPRESSION TESTER (5000 kN, ASTM, FA)	B004A50AU
COMPRESSION TESTER (5000 kN, EN, 4-Column, FA)	B004A50EU
COMPRESSION FRAME - 1000 kN, 4-Column, EN	B004P001H
COMPRESSION FRAME - 1125 kN, 4-Column, EN	B004P002H
COMPRESSION FRAME - 1500 kN, 4-Column, EN	B004P003H
COMPRESSION FRAME - 2000 kN, 4-Column, EN	B004P004H
COMPRESSION FRAME - 3000 kN, 4-Column, EN	B004P005H
COMPRESSION FRAME - 1000 kN, 4-Column, ASTM	B004P006H
COMPRESSION FRAME - 1125 kN, 4-Column, ASTM	B004P007H
COMPRESSION FRAME - 1500 kN, 4-Column, ASTM	B004P008H
COMPRESSION FRAME - 2000 kN, 4-Column, ASTM	B004P009H
COMPRESSION FRAME - 3000 kN, 4-Column, ASTM	B004P010H
COMPRESSION TESTER (5000 kN, EN, 4-Column, Servo-Hydraulic)	B004R50EU
COMPRESSION TESTER (2000 kN, EN, 4-Column, SA)	B004S20EU
COMPRESSION TESTER (3000 kN, EN, 4-Column, SA)	B004S30EU
COMPRESSION TESTER (2000 kN, EN, 4-Column, Servo)	B004V20EU
COMPRESSION TESTER (3000 kN, EN, 4-Column, Servo)	B004V30EU

OTHER PHOTOS

