

## COMPRESSION TESTER, Mono-Block

Code : B001



- 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 design provides stability and strength for a better using experience.
- The load frame, either monoblock or 4-column fabricated construction, 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 applicable, 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**

- Rigid monoblock structure
- Interlocked at the welding sections for higher stability and stiffness
- The rigid frame features welded box construction resulting in a monoblock unit that meets standards' rigidity requirements.
- All the monoblock frames are 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 SPHERICAL 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
SPLITTING TENSILE APPARATUS for Ø 100 mm CYLINDRER SPECIMENS	B003P007H
SPLITTING TENSILE APPARATUS for Ø 150 mm CYLINDRER SPECIMENS	B003P008H
SPLITTING 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	Code
COMPRESSION TESTER (1125 kN, ASTM, FA)	B001A11AU
COMPRESSION TESTER (1500 kN, ASTM, FA)	B001A15AU
COMPRESSION TESTER (2000 kN, ASTM, FA)	B001A20AU
COMPRESSION TESTER (2000 kN, EN, FA)	B001A20EU
COMPRESSION TESTER (3000 kN, ASTM, FA)	B001A30AU
COMPRESSION TESTER (3000 kN, EN, FA)	B001A30EU
COMPRESSION TESTER (5000 kN, ASTM, FA)	B001A50AU
PISTON SEAL for 1000 kN B-001 and B-004	B001P001H
PISTON SEAL for 1125 kN B-001 and B-004	B001P002H
PISTON SEAL for 1500 kN B-001 and B-004	B001P003H
PISTON SEAL for 2000 kN B-001 and B-004	B001P004H
PISTON SEAL for 3000 kN B-001 and B-004	B001P005H
PISTON SEAL for 5000 kN B-001 and B-004	B001P006H
COMPRESSION FRAME - 1000 kN, Mono-Block, ASTM	B001P007H
COMPRESSION FRAME - 1125 kN, Mono-Block, ASTM	B001P008H
COMPRESSION FRAME - 1500 kN, Mono-Block, ASTM	B001P009H
COMPRESSION FRAME - 2000 kN, Mono-Block, ASTM	B001P010H
COMPRESSION FRAME - 3000 kN, Mono-Block, ASTM	B001P011H
CENTERING APPARATUS for [B 001] SERIES	B001P012H
BELLOWS RUBBER for PRESS SPHERICAL SEATING	B001P013H

COMPRESSION FRAME - 1000 kN, Mono-Block, ASTM	B001P014H
COMPRESSION FRAME - 1125 kN, Mono-Block, ASTM	B001P015H
COMPRESSION FRAME - 1500 kN, Mono-Block, ASTM	B001P016H
COMPRESSION FRAME - 2000 kN, Mono-Block, ASTM	B001P017H
COMPRESSION FRAME - 3000 kN, Mono-Block, ASTM	B001P018H
COMPRESSION TESTER UPGRADE PACK	B001P019H
SPHERICAL SEATING for B001	B001P020H
HYDRAULIC VALVE for B001 - 400 bar	B001P021H
COMPRESSION TESTER (1500 kN, ASTM, SA)	B001S15AU
COMPRESSION TESTER (2000 kN, ASTM, SA)	B001S20AU
COMPRESSION TESTER (2000 kN, EN, SA)	B001S20EU
COMPRESSION TESTER (3000 kN, ASTM, SA)	B001S30AU
COMPRESSION TESTER (3000 kN, EN, SA)	B001S30EU
COMPRESSION TESTER (1000 kN, ASTM, Servo)	B001V10AU
COMPRESSION TESTER (2000 kN, ASTM, Servo)	B001V20AU
COMPRESSION TESTER (2000 kN, EN, Servo)	B001V20EU
COMPRESSION TESTER (2000 kN, AS, Servo-Controlled)	B001V20SU
COMPRESSION TESTER (3000 kN, ASTM, Servo)	B001V30AU
COMPRESSION TESTER (3000 kN, EN, Servo)	B001V30EU
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
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FLEXURAL RECTANGULAR FRAME - 300 kN	B003P30XH
FLEXURAL RECTANGULAR FRAME - 600 kN	B003P60XH
COMPRESSION TESTER (2000 kN, EN, 4-Column, FA)	B004A20EU
COMPRESSION TESTER (3000 kN, EN, 4-Column, FA)	B004A30EU
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, EN	B004P006H
COMPRESSION FRAME - 1125 kN, 4-Column, EN	B004P007H
COMPRESSION FRAME - 1500 kN, 4-Column, EN	B004P008H



COMPRESSION FRAME - 2000 kN, 4-Column, EN	B004P009H
COMPRESSION FRAME - 3000 kN, 4-Column, EN	B004P010H
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**

