CONCRETE > STRENGTH

COMPRESSION TESTING MACHINE, 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 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

- 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 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 (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 (4000 kN, EN, FA)	B001A40EU
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 (for 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 SPHYRICAL SEATING	B001P013H
COMPRESSION FRAME - 1000 kN, Mono-Block, EN	B001P014H
COMPRESSION FRAME - 1125 kN, Mono-Block, EN	B001P015H
COMPRESSION FRAME - 1500 kN, Mono-Block, EN	B001P016H
COMPRESSION FRAME - 2000 kN, Mono-Block, EN	B001P017H
COMPRESSION FRAME - 3000 kN, Mono-Block, EN	B001P018H
COMPRESSION TESTER UPGRADE PACK	B001P019H
SPHERICAL SEATING for B001	B001P020H
HYDRAULIC VALVE for B001 - 400 bar	B001P021H
SPARE DISPLAY PANEL (7") for B001	B001P022H
ELECTRONIC CONTROLLING UNIT for B001	B001P023H
SPARE LOAD INDICATOR for B001S	B001P024H
SPARE PRESSURE SENSOR (400 bar) for B001	B001P025H
LIMIT SWITCH (with Protective Housing) for B001	B001P026H
SPARE HYDRAULIC PUMP SET (HAWE)	B001P027H
COMPRESSION TESTER (2000 kN, EN, FA) - Without Controller	B001P028H
DOOR HINGE for COMPRESSION TESTER	B001P029H
OIL LEVEL INDICATOR for B001	B001P031H
ELECTRONIC BOARD (PCB) for B001A and B004A	B001P032H
OIL TANK for B001	B001P033H
HYDRAULIC VALVE for UPGRADING B001 to DUAL FRAME (400 bar)	B001P035H
EBIS COMPRESSION TESTER - 3000 kN, EN	B001P30EU
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 (1500 kN, ASTM, Servo)	B001V15AU
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

OTHER PHOTOS







