

COMPRESSION TESTING MACHINE HIGH-END MODELS

TO TEST CUBES UP TO 200 MM SIDE AND CYLINDERS UP TO Ø 160X320 MM

STANDARDS: ASTM C39 | AASHTO T22 | NF P18-411 | BS 1610 | GOST 10180-2012



3000 KN CAPACITY

**CYBER-PLUS OR SERVO-PLUS EVOLUTION** DIGITAL TOUCH SCREEN DISPLAY

Cyber and Servo-Plus models have robust and reliable electronic controller, 5.7" touch screen color display, 2 USB ports, 1 SD port, 8 channels for pressure transducers (force measurement) or displacement transducers (Elastic Modulus and Poisson ratio measurement).

INVERTER

For a further improvement of energy efficiency and silent operation, (optional device code C099N).
Technical details, p. 223

>> NEW**BARCODE**

Scanner for specimen file/identification, (optional device code C099-01).
Details, p. 223

>> NEW

C070N + C127N + C111-05



C071N + C104-04 + C127N + C111-05 + C121-07

COMPRESSION 3000 kN capacity

LOAD MEASURING SYSTEM

MODEL	Motorized	Cyber-Plus Evolution mod. C109N (p. 224)	Servo-Plus Evolution mod. C104N (p. 224)
C070N	▼	▼	
C071N ★	▼		▼

★ Servo-Plus/Autotec models feature fully automatic power pack - electrovalve operated test start (no manual lever)



ACCESSORIES FOR 3000 kN MACHINES FROM MOD. C068 TO C071N

C111-31 DISTANCE PIECE, 20 mm high for cylinders Ø 150x300 mm

C111-04 DISTANCE PIECE, 126 mm high for cubes 200 mm side

C111-05 DISTANCE PIECES, 126+50 mm high for cubes 200 and 150 mm side

C111-06 DISTANCE PIECES 126+50+50 mm high for cubes 200, 150 and 100 mm side

C111-07 + C111-31 DISTANCE PIECES, high 50+50+20 mm for cylinders Ø 100x200 mm

C111-22 DISTANCE PIECE, 50 mm high

C110-15 LOWER COMPRESSION PLATEN, Ø 216x40 mm, hardened and rectified to test cubes 100 and 150 mm, as an alternative to the standard platen Ø 278 mm
Technical details: see p. 319

 **Note:** the cylinders Ø 160x320 mm do not require any distance piece.

**C110-15**

C112-10 UPPER+LOWER LARGE COMPRESSION PLATENS 245x510x55 mm complete with SEAT BALL to test also blocks.

C127N GRAPHIC PRINTER on thermo-paper on board for digital models

C127-11 THERMO-PAPER roll for printer (pack of 10 rolls)

C121-07 SAFETY GUARDS, polycarbonate, with hinges and lock, to CE Directive. p. 317

C121-51 STOP SWITCH on safety guard. See p. 319

C107-10 CAPPING RETAINERS (set of two) for cylinders Ø 150 mm and 6". Other models: see p. 316

C107-12 CAPPING RETAINERS (set of two) for cylinders Ø 160 mm

C107-20 NEOPRENE PADS (set of two) for cylinders Ø 150mm 60 shore A

C107-25 NEOPRENE PADS (set of two) for cylinders Ø 160 mm 60 shore A. Other models: see p. 316

**C112-10****C107-10 + C107-20**

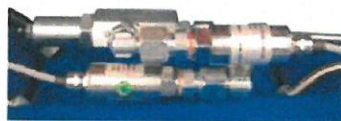
C110-30 UPPER COMPRESSION PLATEN+SPHERICAL SEAT, to fix on the testing machine, in replacement of the standard platen + seat to obtain an increased vertical clearance of the testing chamber and to meet the ASTM C39, C1231 and AASHTO T22, T851
Platen dimensions: Ø 165x30 mm
Weight: 10 kg approx.
Technical details: see p. 316

**C110-30**

C115-01 TWO WAY HYDRAULIC VALVE, connected to the motorized pumping unit of the machine to activate a second frame. Technical details: see p. 318

**C115-01**

C097-01 DUAL LOW CAPACITY DIGITAL RANGE, complete with appropriate pressure transducer, only for digital machines. Recommended range 0-250kN.
Technical details: see p. 313

**C097-01**

C097-05 CALIBRATION CLASS 1, starting from 1% of the full range. With a special calibration procedure it is possible to grant Class 1 practically on the full range of the compression machine. Applicable only on digital machines.

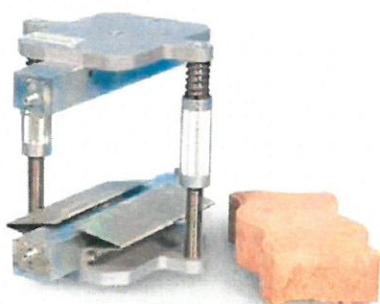
C107-01 AUTO-CENTERING DEVICE for cubes 100 and 150 mm side, and cylinders Ø 100 and 150 mm.
Technical details: see p. 316

**C107-01**

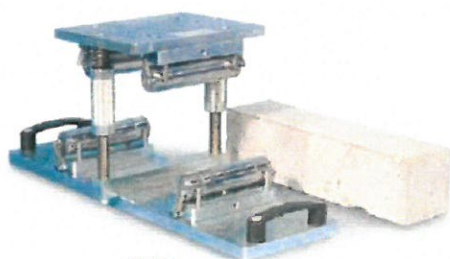
- C100** SPLITTING TENSILE test device for cylinders.
EN 12390-6 | ASTM C496
Technical details and other models: see p. 314

**C100**

- C103** SPLITTING TENSILE test device for self blocking pavers and cubes. EN 1338, 12390-6.
Technical details: see p. 314

**C103**

- C106** FLEXURAL TEST DEVICE for concrete beams.
EN 12390-5 | ASTM C78, C293 | AASHTO T97
Technical details: see p. 315

**C106**

- E170** COMPRESSION DEVICE to test cement specimens 40.1x40 mm EN 196 | ASTM C349
Technical details and other models: see p. 315

**E170**

- C126** BENCH to hold the compression machine. See p. 317

- C104-04** CONSOLE HOUSING THE SERVO-PLUS EVOLUTION
The pump assembly **lined** with sound proofing material for noise reduction and the digital system are encased to enhance the design and look of the machine.
Technical details: see p. 314

**C071N****C104-04**

- C099N** INVERTER DEVICE
> NEW Applicable only on Cyber-Plus and Servo-Plus Evolution machines.
Technical details: see p. 223

**C104-06****C099N**

- C104-06** CONSOLE HOUSING THE CYBER-PLUS EVOLUTION
> NEW New console internally lined with sound proofing material, to reduce noise and allow for the inverter integration. Detail: see p. 223

SOFTWARE for DIGITEC / AUTOTEC or CYBER / SERVO PLUS models

- | | |
|---------------------|--|
| C109-10 (N)* | SOFTWARE for compression tests |
| C123 (N)* | SOFTWARE Servonet for remote control through PC |
| C109-11 (N)* | SOFTWARE for flexural tests |
| C109-12 (N)* | SOFTWARE for splitting tensile |

Technical detail: see p. 18

(N)* for Cyber - Servo Plus models.



MATEST

MAITESI

SECTION E | CEMENT - MORTAR



ACCESSORIES FOR FLEXURE | COMPRESSION MACHINES

E172-01 FLEXURE DEVICE for 40.1x40x160 mm mortar specimens. EN 1015-11, EN 196-1, EN/ISO 679 See p. 428

