

**COMPRESSION TESTING MACHINE 3000 kN CAPACITY
"TESTED FOR HIGH STABILITY"**

To test blocks max. 500x300 mm, cubes up to 200 mm side and cylinders up to dia. 160x320 mm

Cyber-Plus or Servo-Plus Evolution Touch Screen Digital System

STANDARDS: EN 12390-4, EN 772-1 / BS 1881:1 15, 6073 / UNI 6686, part 3 / DIN 51220, 51302 / NF P18-411
ASTM C39, E447 / AASHTO T22 / UNE 83304



TECHNICAL SPECIFICATIONS:

- Max. vertical daylight to test blocks: 283 mm
- Compression platens for blocks: 510x320x55 mm
- Max. vertical daylight to test cubes and cylinders: 334,5 mm
- Compression platens to test cubes and cylinders: dia. 287x60 mm
- Calibration accuracy: Grade 1.0
- Max. ram travel 60 mm approx.
- Hydraulic device to stop the piston's stroke at its max excursion, to avoid pumping the piston out of the cylinder;
- Power supply: 230V 1 ph 50 Hz 750 W
- Dimensions: 750x520x1500 mm
- Weight: 1350÷1400 kg



C089-19N + C104-04 + C127N

ACCESSORIES:

C104-04

CONSOLE HOUSING THE SERVO-PLUS EVOLUTION

The pump assembly and the digital system are encased to enhance the design and look of the machine.

C104-05

ONLINE REMOTE ASSISTANCE PACKAGE

The machine features a connection to Internet through which Matest Customer Service provides real time support to analyze the problem, to find possible solution, and to carry out a proper test execution.



C089-17N + C127N



C089-19N + C127N



C117

COMPRESSION 3000 kN High Stability Blocks

LOAD MEASURING SYSTEM

Model	Motorized	Cyber-Plus Evolution mod. C109N (pag. 158)	Servo-Plus Evolution mod. C104N (pag. 158)
C089-17 N	•	•	
C089-19 N	•		•

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ACCESSORIES FOR 3000 kN BLOCKS MACHINES:

C111-32 DISTANCE PIECE, 20 mm high for cylinders Ø 150x300 mm

C111-12 DISTANCE PIECE, 73+50 mm high for cubes 200 mm side

C111-13 DISTANCE PIECES, 73+50+50 mm high for cubes 200 and 150 mm side

C111-14 DISTANCE PIECES, 73+50+50+50 mm high for cubes 200, 150 and 100 mm side

C111-24 DISTANCE PIECE 50 mm high

C111-25 DISTANCE PIECE 73 mm high

Note: Cylinders having Ø 160 x 320 mm do not require any distance piece.

C111-50

DISTANCE PIECE

It eliminates the heavy procedure to lift the lower rectangular platen and to add distance pieces.

Technical details: see pag. 247

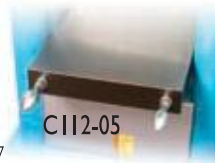


C111-50

AS AN ALTERNATIVE:

C112-05

KIT of 4 HANDLES to lift the lower platen, making the positioning of distance pieces easier. Technical details: see pag. 247



C112-05

C117

SLIDING RAIL CARRIAGE, for an easy removal of the upper block platen, to perform tests on blocks or on standard cubes and cylinders.

C127N GRAPHIC PRINTER on thermo-paper on board

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

C109-10N SOFTWARE for compression tests with Cyber-Plus Evolution machine. See pag. 14

C123N SOFTWARE "servonet" for remote control through PC of Servo-Plus Evolution machine. See pag. 14

C104-10N

SERVO-STRAIN
Servocontrolled Software, system of:

- Load or Strength
- Displacement
- Strain

This system can be used only with Servo-Plus Evolution machine mod. C089-19N

Technical details see pag. 164



C104-10N

C125N

ELASTIC MODULUS determination of the secant compression on concrete. Automatic system with pace rate control also when releasing the load, applicable only to high stability frames with Servo-Plus Evolution. EN 12390-13, UNI 6556, ASTM C469 ISO 1920-10, DIN 1048. Technical details: see pag. 220

C121-08 SAFETY GUARDS, polycarbonate, with hinges and lock, to CE Directive. See pag. 244

C121-51 STOP SWITCH on safety guard. See pag. 244

C115-01 TWO WAY HYDRAULIC VALVE, connected to the motorized pumping unit of the machine to activate a second frame. Technical details: see pag. 245

C097-01

DUAL LOW CAPACITY DIGITAL RANGE, complete with "appropriate pressure transducer". Recommended range 0-250kN. Technical details: see pag. 240

AS AN ALTERNATIVE:

C097-02

DUAL LOW CAPACITY DIGITAL RANGE 0-300kN, complete with "strain gage load cell". Technical details: see pag. 240



C097-01

C097-05

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.

C097-08

OFFICIAL ACCREDIA (Equivalent UKAS, ENAC, DAKKS, SAS, COFRAC etc.) HARDNESS CERTIFICATE of upper and lower compression platens. Minimum hardness: 55 HRC. See pag. 240

C100 SPLITTING TENSILE test device for cylinders. EN 12390-6 / ASTM C496

Technical details and other models: see pag. 241



C100

C103-01

SPLITTING TENSILE test device for self blocking pavers and cubes, max. dimensions 300x500 mm. EN 1338, 12390-6

Technical details: see pag. 241



C103

C109-12N

SOFTWARE for splitting tensile tests. Technical details: see pag. 14

C106

FLEXURAL TEST DEVICE for concrete beams. EN 12390-5 / ASTM C78, C293 / AASHTO T97 / BS 1881:118 / NF P18-407 / UNI 6133.

Technical details: see pag. 242



C106

C109-11N

SOFTWARE for flexural tests on concrete beams. Technical details: see pag. 14

E170

COMPRESSION DEVICE to test cement specimens 40,1 x 40 mm. EN 196 / ASTM C349

Technical details and other models: see pag. 242



E170

C126

BENCH to hold the compression machine. Technical details: see pag. 244

