



Fig: testing machine frame with chromium plated machine's columns (options)



Fig. drive station MEWIS-C40-PC

PROFI-LINE

Hardened Concrete Test

Compression Testing Machine ALPHA 3-3000

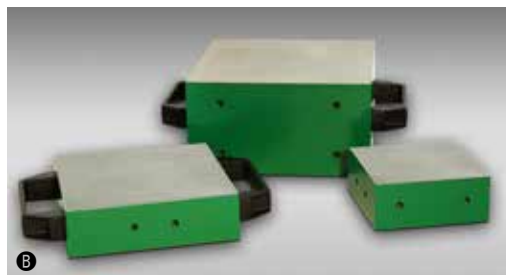
- accuracy according to DIN EN ISO 7500-1, class 1
- execution acc. to EN 12390-4 (straintest execution)
- for compression strength tests according to EN 12390-3, EN 12504-1 and EN 206
- separate drive station AS-C40-N / AS-C40-N-PC / MEWIS-C40-PC
- automatic load increase by digital controller **DIGIMAXX® C40** in closed loop system

Technical Data – Test Frame

- test load max.: 3,000 kN
- working pressure max.: 397 bar
- piston stroke: 100 mm
- upper pressure plate: Ø 320 mm
- lower pressure plate: Ø 300 mm
- thickness of pressure plates: 75 mm
- hardness of pressure plates: 55 HRC
- test chamber height: 340 mm
- clear distance between columns (width): 355 mm
- clear distance between columns (depth): 255 mm
- stiffness: 3,650 kN/mm
- measuring range: 60 ... 3,000 kN
- display area: 0 ... 3,000 kN
- force measurement via electronic pressure transducer
- voltage: 3 x 400 Volt, 50 Hz, 1.5 kW
- weight: 1,810 kg

MEWIS-C40-PC

- measuring- and weighing station for efficient measuring and weighing of specimens



Technical Data – Digital Controller

- capacitive and robust 7" touch display
- PID-controller with DSP processor
- modular system with expansion options up to 8 control and measuring channels – 18 Bit
- measuring- and control cycle 2 kHz
- transmission of measured value up to 1 kHz
- freely programmable test sequences
- real-time display of the measuring channels as well as of the specimen strengths and test speed
- authorization model with different role and access authorizations (tester, laboratory manager, service technician, administrator)
- automatic and manually zero-adjustment
- adjustable break detection
- adjustable piston back-travel time
- specimen storage for test results
- 6 digital inputs galvanically isolated
- 9 potential-free relay outputs
- USB port for data export
- Ethernet connection for communication with PC software

Accessories:

- Ⓐ sparing blocks unhardened, face-ground, to place between pressure platen and piston, fixing by a dowel pin
dimensions $\varnothing 300 \times 50$ mm, 27 kg
dimensions $\varnothing 300 \times 60$ mm, 33 kg
- Ⓑ auxiliary platen hardened, face-ground to place on the pressure plate
dimensions $210 \times 210 \times 110$ mm, 38 kg
dimensions $170 \times 170 \times 50$ mm, 12 kg
dimensions $120 \times 120 \times 50$ mm, 5,65 kg

Options:

- connection of further (max. 4) testing machines
- larger pressure plates
dimensions $320 \times 420 \times 75$ mm
dimensions $320 \times 520 \times 75$ mm
- higher test area
- chrome-plated columns
- Ⓒ centering devices for pressure plates
- Ⓓ centering devices for auxiliary platen
- transfer software
- Ⓔ test software **PROTEUS^{MT}**



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