



Picture: Testing machine frame with chromium plated machine's columns (options)



PROFI-LINE

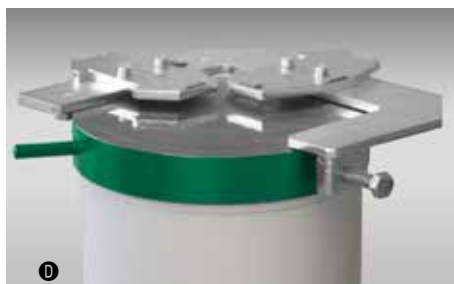
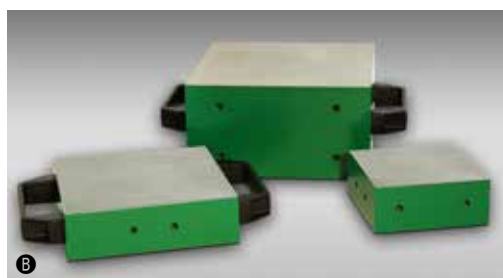
Hardened Concrete Test

Compression Testing Machine ALPHA 3-2000 S

- accuracy acc. to
DIN EN ISO 7500-1, class 1
- execution acc. to EN 12390-4
(straintest execution)
- for compressive strength
tests acc. to EN 12390-3,
EN 12504-1 and EN 206
- separate drive station
AS-C40-N
- automatic load increase
by digital controller
DIGIMAXX® C-40
in closed loop system

Technical Data – Test Frame

- test load max.: 2,000 kN
- working pressure max.: 407 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 area height: 340 mm
- inner width between columns
(width): 355 mm
- inner width between columns
(depth): 255 mm
- stiffness: 3,650 kN/mm
- measuring range: 40 ... 2,000 kN
- display area: 0 ... 2,000 kN
- force measurement via electronic pressure
transducer
- voltage: 3 x 400 Volt, 50 Hz, 3.0 kW
- weight: 1,810 kg



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:

for reduction of test chamber height

- Ⓐ spacing platen, unhardened, face-ground, to place between pressure platen and piston, fixing by a dowel pin
dimensions Ø 300 x 50 mm, 27 kg
dimensions Ø 300 x 60 mm, 33 kg
- Ⓑ auxiliary platen, hardened, face-ground to place on the pressure plate
dimensions 210 x 210 x 110 mm, 38 kg
dimensions 210 x 210 x 50 mm, 17,5 kg
dimensions 170 x 170 x 50 mm, 12 kg
dimensions 120 x 120 x 50 mm, 5,65 kg

Options:

- connection of further (max. 4) testing machines
- larger pressure plates
dimensions 320 x 320 x 75 mm
dimensions 320 x 420 x 75 mm
dimensions 320 x 520 x 75 mm
- higher test area
- chrome-plated columns
- transfer software
- Ⓒ test software **PROTEUS^{MT}**
- Ⓓ centring devices for pressure plates
- Ⓔ centring devices for distance pieces



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