

Choose the Original
Choose Success!



PROFI-LINE

Compression Testing Machine ALPHA 2-500

- accuracy acc. to
DIN EN ISO 7500-1, class 1
- execution acc. to EN 12390-4
(straintest execution)
- for the determination of compressive
strengths of core bits and rock samp-
les acc. to EN 12390-3, EN 12504-1
- separate drive station
AS C40 K, AS C40 N, AS C40 N-PC
- automatic load increase by digital
controller **DIGIMAXX® C-40**
with servo valve in closed loop
system with nominal-actual value
comparison

Technical Data - Test Frame

- test load max.: 500 kN
- working pressure: 283 bar
- measuring range: 10 ... 500 kN
- display area: 0 ... 500 kN
- test area height: 340 mm
- piston stroke: 100 mm
- upper pressure plate: Ø 230 mm
- lower pressure plate: Ø 230 mm
- working height: 920 mm
- thickness of pressure plates: 40 mm
- hardness of pressure plates: 53-55 HRC
- inner width of test frame (width):
355 mm
- inner width of test frame (depth):
255 mm
- dimensions: approx. 510 x 510 x 1450 mm
- weight: approx.. 720 kg

Available with following test loads:

- 1000 kN, 2000 kN, 3000 kN



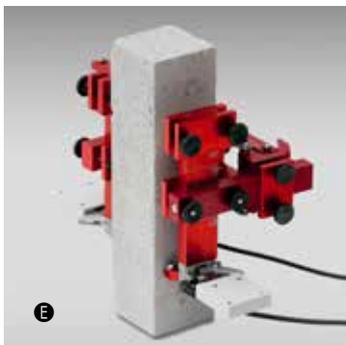
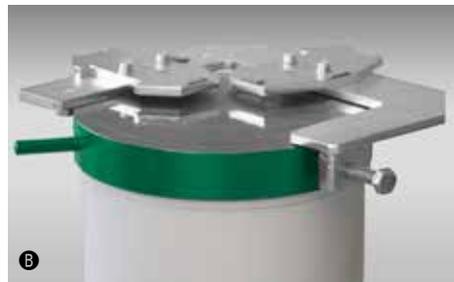
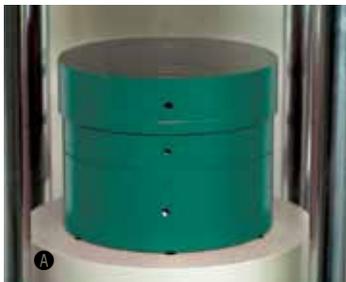


Technical Data – Digital Controller

- 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 / Options:

- chrome-plated columns
- Ⓐ auxiliary platen, unhardened, face-ground, to place between pressure platen and piston dimensions $\varnothing 200 \times 100$ mm, 25 kg dimensions $\varnothing 200 \times 50$ mm, 12,5 kg
- Ⓑ centering device for cylinders $\varnothing 100$ and $\varnothing 50$ mm
- Ⓒ compression device DV 600 for cylinders $\varnothing 50$ mm
- Ⓓ compression device DV 1000 for cylinders $\varnothing 100$ mm
- Ⓔ measuring equipment for modulus of elasticity
- electronic piston stroke measuring and control equipment
- transfer software
- Ⓕ test software **PROTEUS^{MT}**



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