



Picture shows testing machine with option 'Splitting test device'

## BASIC-LINE

### Bending / Flexure Testing Machine DELTA 4-200 AD

- accuracy acc. to  
DIN EN ISO 7500-1, class 1
- for bending strength tests on  
material samples especially  
acc. to EN 12390-5, EN 1339,  
EN 1343, EN 1344
- with accessories / options also  
for splitting tensile strength tests  
and kerb stone tests acc. to  
EN 1338, EN 1340 and for  
compression tests
- automatic load increase via digital  
controller **DIGIMAXX® C44**  
bypass-control for constant load  
increase controllable as ramp  
function between 0.1 - 50 kN/s

#### Technical Data - Test Frame

- with 2-column frame
- single-acting test cylinder
- test load max. 200 kN
- working pressure max: 192 bar
- piston stroke: 80 mm
- test area height: 165 mm
- length of bending roller: 510 mm
- bending roller Ø: 40 mm
- lower bending rollers distance adjustable  
from 70 ... 600 mm
- basic equipment with 3-point load
- inner width of test frame: 550 mm
- measuring range: 4.00 ... 200 kN
- display area: 0 ... 200 kN
- force measurement via electronic load cell
- voltage: 3x 400 Volt, 50 Hz, 1.5 kW
- weight approx.: 780 kg
- available with following test loads:  
60 kN, 100 kN, 200 kN and 300 kN

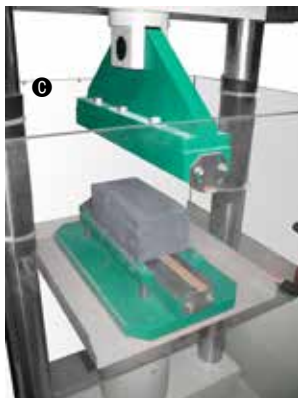
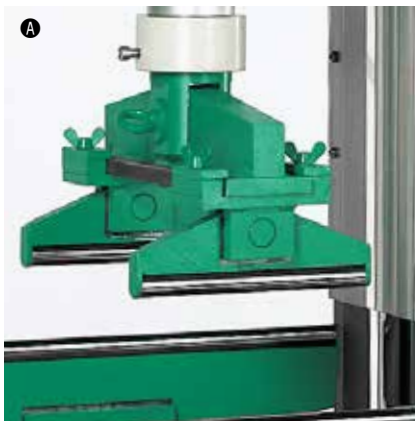


### Technical Data – Digital Controller

- capacitive and robust 7" touch display
- PID-controller with DSP processor
- 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
- USB port for data export
- Ethernet connection for communication with PC software

### Options:

- higher test area (220 mm)
- enlarged piston stroke (130 mm)
- lengthened bending table (70 ... 900 mm)
- Ⓐ insert for 4-point loading
- Ⓑ set of pressure plates Ø 230 x 40 mm with floating axle
- Ⓒ splitting tensile strength device acc. EN 1338
- Ⓓ compression device DV 600 AZ (only applicable in connection with set of pressure plates)
- Ⓔ compression die for curbstones acc. EN 1340
- test software **PROTEUS<sup>MT</sup>**



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