

Testing Devices for Material Testing (cement, mortar, screed) for use in testing machines in accordance with measuring ranges and test area heights



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E

Ⓐ Compression Test Device DV 600 AZ

- max. load: 600 kN
 - automatic centering of the upper compression plate after specimen break
 - for compression strength tests on specimens made of cement, mortar, screed, gypsum binders, gypsum dry mortar
 - EN 196-1, EN 1015-11, EN 445, EN 13279-2, EN 13813, ASTM C 349
 - compression plates: 40 x 40 x 17.5 mm
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3122

Ⓑ Compression Test Device DV 600 AZ

- max. load: 600 kN
 - automatic centering of the upper compression plate after specimen break
 - for compression strength tests on specimens made of cement, mortar, screed, gypsum binders, gypsum dry mortar
 - EN 196-1, EN 1015-11, EN 445, EN 13279-2, EN 13813, ASTM C 349
 - compression plates: 40 x 40 x 17.5 mm made of carbide in clamping frame
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3124

Ⓒ Set of Compression Plates

- 40 x 40 mm made of carbide
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B31240

Ⓓ Clamping Frame

- for compression plates made of carbide
- Order-No. B31242

Ⓔ Compression Test Device DV 600

- max. load: 600 kN
 - low-cost design
 - for compression strength tests on cement and mortar specimens
 - EN 196, EN 1015
 - compression plates: 40 x 40 x 17.5 mm
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3123

Testing Devices for Material Testing (cement, mortar, concrete) for use in testing machines in accordance with measuring ranges and test area heights



Ⓐ Compression Test Device DV 600

- max. load: 600 kN
 - for compression strength tests on cement and mortar specimens
 - ASTM C 109
 - compression plates: 50 x 50 x 17.5 mm
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3125



Ⓑ Compression Test Device DV 600

- max. load: 600 kN
 - for compression strength tests on cores and cylinders
 - EN 12504-1
 - compression plates: Ø 60 x 17.5 mm
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3128



Ⓒ Compression Test Device DV 1000

- max. load: 1000 kN
 - for compression strength tests on cores and cylinders
 - EN 12504-1
 - compression plates: Ø 110 x 17,5 mm
 - hardness: > 600 HV / 58-62 HRC
- Order-No. B3129



Ⓓ Compression Test Device DV 1500

- max. load: 1500 kN
 - for compression strength tests on paving stones made of open structured concrete
 - DIN 18507
 - without compression plates
- Order-No. B3141

Ⓔ Compression Plates

- hardness: 53-55 HRC
- 60 x 120 mm
Order-No. B3142
- 70 x 140 mm
Order-No. B3143
- 80 x 160 mm
Order-No. B3144
- 90 x 180 mm
Order-No. B3145
- 100 x 200 mm
Order-No. B3146
- 110 x 220 mm
Order-No. B3147
- 120 x 240 mm
Order-No. B3148



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Testing Devices for Material Testing (cement, mortar, screed, refractory) for use in testing machines in accordance with measuring ranges and test area heights

Ⓐ Compression Test Device DV 1000 RF

- max. load: 1000 kN
 - for determination of compression strength of refractory specimens acc. EN ISO 1927-6 sizes A / B / C / D
 - platens: 65 x 120 mm
 - test chamber height max.: 70 / 60 / 50 mm
 - test chamber height min.: 55 / 45 / 35 mm
 - height of device: 240 mm
 - weight approx.: 20 kg
- Order-No. B3110

Ⓑ Bending Test Device BV 10 OM

- max. load: 10 kN
 - for bending strength tests on cement and mortar specimens
 - EN 196, EN 1015
 - bending roller width: 50 mm
 - bending roller diameter: 10 mm
 - bending roller distance fix: 100 mm
- Order-No. B3130

Insert for 4-Point Load

- bending roller length: 50 mm
- bending roller radius: 5 mm
- bending roller diameter: 10 mm
- bending roller distance fix: 33.33 mm

Ⓒ Insert for 4-Point Load

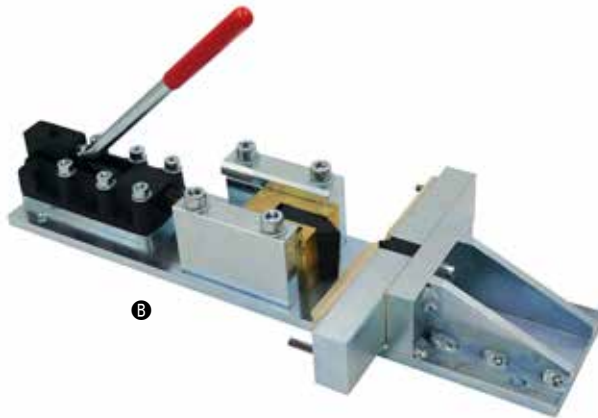
- bending roller length: 70 mm
- bending roller radius: 5 mm
- bending roller diameter: 10 mm
- bending roller distance adjustable: 30...100 mm

Ⓓ Bending Test device BV 10

- max. load: 10 kN
 - low-cost design
 - for bending strength tests on cement and mortar specimens
 - EN 196, EN 1015
 - bending roller width: 50 mm
 - bending roller diameter: 10 mm
 - bending roller distance fix: 100 mm
- Order-No. B3133



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Testing Devices for Material Testing (UHPC, concrete – precast concrete components) for use in testing machines in accordance with measuring ranges and test area heights

A Bending Test Device BV 30 OM

- max. load: 30 kN
 - for bending strength tests on cement and screed specimens
 - acc. to EN 196, EN 1015
 - bending roller width: 50 mm
 - bending roller diameter: 10 mm
 - bending roller distance adjustable: 30...250 mm
- Order-No. B3134

B Prism Splitting Device

- for cement and mortar samples
 - for the rational splitting of prisms with eccentric pressure translation
 - with push rod clamp for high clamping force
 - for splitting prisms 160 x 40 x 40 mm
 - upper pressure cutting edge movably mounted and additionally introduced at the side
 - for wall mounting (WxHxD): 210 x 490 x 85 mm without clamping lever
 - extension clamping lever approx. 400 mm
 - weight approx. 12 kg
- Order-No. B31392

C Bending Test Device BV 100

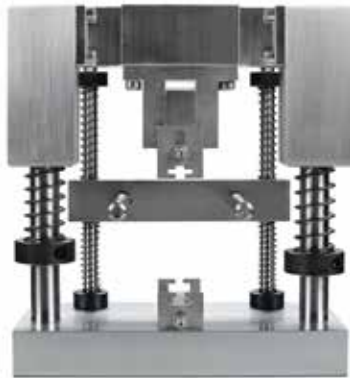
- max. load: 100 kN
 - for bending strength tests on concrete specimens
 - 3-point and 4-point load
 - acc. to EN 12390-5
 - bending roller width: 155 mm
 - bending roller diameter: 40 mm
 - bending roller distance: 450 mm
- Order-No. B3136

D Tensile Splitting Test Device DV 500

- max. load: 500 kN
 - for tensile splitting tests on paving stones
 - acc. to EN 1338
 - test area height max.: 165 mm
 - test area height min.: 60 mm
 - range of spring: 45 mm
 - edge length: 325 mm
 - edge radius: 75 mm
 - the upper edge is movably mounted
 - with guides for positioning of hard fibre strips
- Order-No. B3170



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Testing Devices for Material Testing (cement, mortar, screed, concrete) for use in testing machines in accordance with measuring ranges and test area heights

❶ Tensile Splitting Test Device DV 500 S

- acc. to EN 12390-6
 - max. load: 500 kN
 - for tensile splitting tests on cylinders, cubes and prisms
 - test area height max.: 170 mm
 - test area height min.: 90 mm
 - range of spring: 45 mm
 - edge length: 325 mm
 - plane, straight edges
- Order-No. B3178

❷ Tensile Splitting Test Device for Concrete Cylinder Discs Ø 100 mm

- max. load: 70 kN
 - for testing of street concrete cylinder discs Ø 100 x 50 mm
 - tensile splitting acc. to AL Sp-Beton modified: determination of Tensile splitting under static as well as dynamic load with centering device
 - test chamber height: 110 mm
 - load carrying length: 60 mm
 - load carrying width: 13 mm
 - internal radius (concave): 50 mm
 - dimensions (W/D/H): 200 x 80 x 260 mm
- Order-No. B3192

❸ Set of Compression Plates

- dimensions: Ø 230 mm
- compression plates height: 40 mm
- compression plates hardness: 53 – 55 HRC
- with floating axle and adapter
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending testing machines type MEGA 6 and MEGA 7

❹ Set of Compression Plates

- acc. to EN 196
- dimensions: 40 x 40 mm
- hardness: > 600 HV / 58 - 62 HRC
- with floating axle and adapter
- for installation in bending testing machines type DELTA 3 resp. compression and bending testing machines type MEGA 10 and MEGA 100

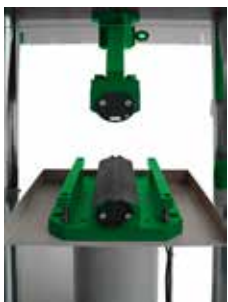
Testing Devices for Material Testing (concrete – precast elements) for use in testing machines in accordance with measuring ranges and test area heights



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Ⓐ Insert for 4-Point Load

- acc. to EN 12390-5
- bending roller length: 210 mm
- bending roller radius: 20 mm
- bending roller diameter: 40 mm
- bending roller distance: 80 ... 300 mm
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending testing machines type MEGA 6 and MEGA 7

Ⓑ Insert for 4-Point Load

- acc. to EN 12390-5
- bending roller length: 510 mm
- bending roller radius: 20 mm
- bending roller diameter: 40 mm
- bending roller distance: 80 ... 300 mm
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending test machines type MEGA 6 and MEGA 7

Ⓒ Insert for 4-Point Load

- acc. to ASTM C 78
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending testing machines type MEGA 6 and MEGA 7

Ⓓ Insert for Tensile Splitting Tests

- acc. to EN 1338
- edge length: 410 mm
- edge length radius: 75 mm
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending testing machines type MEGA 6 and MEGA 7

Ⓔ Compression Stamp for Curbstone Testing

- acc. to EN 1340
- stamp diameter: 40 mm
- pivoted
- for installation in bending testing machines type DELTA 4, DELTA 5, DELTA 6 resp. compression and bending testing machines type MEGA 6 and MEGA 7

Testing Devices for Material Testing

for use in testing machines in
accordance with measuring ranges
and test area heights



A

A Centering Device

- with dead stop
- adjustable for specimens
Ø 100 mm and Ø 150 mm as well as
100 x 100 x 100 and 150 x 150 x 150 mm
- applicable for compression plates Ø 300 mm

Centering Device

like A but:

- adjustable for specimens
Ø 50 mm and Ø 100 mm as well as
50 x 50 x 50 and 100 x 100 x 100 mm
- applicable for compression plates Ø 230 mm



B

B Centering Device

- with adjustable stop
- adjustable for specimens Ø 100 mm
as well as 150 x 150 x 150 mm
- applicable for distance piece 170 mm

Centering Device

like B but:

- adjustable for specimens Ø 150 mm
as well as 200 x 200 x 200 mm
- applicable for distance piece 210 mm



C

C Device for Point Load Test

- max. load: 200 kN
 - for determining the point loads of natural
stones
 - upper load body: 60° / R5
 - lower load body: 60° / R5
 - with support plate
 - test space height: 60 / 115 / 170 mm
via 2 spacer plates
 - spring deflection: 40 mm
- Order-No. B3160



Testing Devices for Material Testing (aggregates)

for use in testing machines in accordance with measuring ranges and test area heights

Ⓐ Pressure Cylinder

- for determination of aggregate crushing value acc. to EN 13055-1 – procedure 1
 - for determination of aggregate crushing value acc. to DIN 4226
 - consisting of
 - base plate
 - pressure cylinder
 - guide ring
 - compression stamp
 - height adjustable ring with pressure switch
- Order-No. N0460

Additional Equipment

- absolutely necessary for testing machines without servo control
 - electric switch unit to stop the testing machine consisting of:
 - transformer with contactor
- Order-No. N0462



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