

DATA SHEET



Marshall compression tester

ASTM D1559 | ASTM D5581 | AASHTO T245 | ASTM D6927

MAIN FEATURES

- **50 kN maximum capacity, suitable for testing 4" and 6" dia. specimens**
- **High precision load rings fitted with 0.001 mm resolution gauge conforming to standards**

GENERAL DESCRIPTION

A bench mounted compression frame with motor and worm gear housed within the base unit. A limit switch is provided for the bottom limit of travel. The machine is supplied complete with load ring, 30 kN cap., incorporating stem brake feature to hold the maximum reading. For testing 6" dia. (152.4 mm) specimens, the 82-T1009/F load ring should be used instead of the 30 kN fit on the machine. **All the load rings are provided with 0.001mm high resolution dial gauge, assuring a strict conformity to the standards.** See accessories.

The stability mould and flow meter have to be ordered separately. See accessories.

Other testing machines are available to perform the Marshall stability test, conforming to either ASTM/AASHTO or EN standards.

TECHNICAL SPECIFICATIONS

- Max. capacity: 50 kN
- Load ring cap.: 30 kN (50 kN using the 82-T1009/F load ring. See accessories).
- Platen speed: 50.8 mm/min
- Power rating: 736 W
- Overall dimensions (hxlxd): 1028x392x560 mm
- Weight approx.: 85 kg

ORDERING INFO

Compression Tester Complete:

76-B0030/A Marshall compression testing machine with motorized ram, two-column structure and adjustable crossbeam. Supplied with load ring 30 kN capacity with peak hold function, complete with 0.001 mm resolution dial gauge (fully conforming to the standards) and compression device. 230 V, 50 Hz, 1 Ph

Load frame only:

76-B0030 Marshall compression tester, 50 kN cap. 230 V, 50 Hz, 1 ph



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ACCESSORIES

Accessories to complete the 76-B0030 frame only

34-T0104/10 Compression device. To fit the load ring to press the stability mould

Configuration 1

82-T1007/F Load ring, 30 kN cap., fitted with gauge 0.001 mm res., complete with stem brake feature to hold the maximum reading

82-T1009/F Load ring, 50 kN cap., fitted with gauge 0.001 mm res., complete with stem brake feature to hold the maximum reading.
(As alternative to 30 kN model)

Alternative configuration

82-T1007/FC Load ring, 30 kN cap., fitted with gauge 0.01 mm res., complete with stem brake feature to hold the maximum reading.

82-T1009/FC Load ring, 50 kN cap., fitted with gauge 0.01 mm res., complete with stem brake feature to hold the maximum reading.
(As alternative to 30 kN model)

Accessories common to both configuration above

76-B0033 Stability mould for 4" dia. (101.6 mm) specimens

76-B0033/C Stability mould for 6" dia. (152.4 mm) specimens to ASTM D5581

76-B0034 Flow meter

76-B0031/2 Stability mould cast aluminium, open type



76-B0030 with 76-B0033 and 76-B0034

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Marshall stability moulds 76-0033 & 76-B0033/C



Marshall Stability Mould 4"



Flow meter 76-B0034