# Marshall compression tester


- 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

*This is just one of more than **4.000 products manufactured by CONTROLS**, the global leader of Testing Equipment for the construction industry in three business areas:*

- *Concrete and cements;*
- *Asphalt and bituminous mixtures;*
- *Soil and rocks.*

***Our Values**:*

- ***Innovation**: our efforts are concentrated to comply with the current needs and to anticipate the futures.*
- ***Relationship**: our target is to start relationship with the clients to identify their needs; our effort is to satisfy these needs.*
- ***Listening**: we are careful to the market trends to update and improve our projects; we devote energy on changing.*
- ***Ethics**: we work worldwide respecting the local rules and keeping the promises done.*

*Contact us for more information or for support.*

**Standards** ASTM D1559 | ASTM D5581 | AASHTO T245 | ASTM D6927

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.

## Technical specidications

- 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 information

**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 compressione device.
230 V, 50 Hz, 1 Ph
76-B0030/AY
Same as above but 220 V, 60 Hz, 1 Ph
76-B0030/AZ
Same as above but 110 V, 60 Hz, 1 M8

**Load frame only:**

**76-B0030**

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

**76-B0030/Y**

Marshall compression tester, 50 kN cap. 220 V, 60 Hz, 1 ph

**76-B0030/Z**

Marshall compression tester, 50 kN cap.110 V, 60 Hz, 1 ph

## 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

**Alternative mould**

**76-B0031/2**

Stability mould cast aluminium, open type


*Marshall frame only, model 76-B0030*

*Marshall stability mould 76-B0033/C for 6" dia. specimens and 76-B0033 for 4" dia. specimens*

*Marshall stability mould for 4" dia. specimens 76-B0033*

*Marshall stability mould for 4" dia.*

*Flow meter 76-B0034*