

## CBR & MARSHALL TESTING MACHINE WITH LOAD RING

CBR & Marshall Testing Machine with Load Ring is used to make CBR and Marshall Tests.

The device is composed of a robust and compact two column frame with adjustable upper cross beam driven by an electromechanical ram with a maximum capacity of 50 kN.

The frame has 50 kN capacity. Three test speeds are provided 1.0 mm/min for BS CBR Tests, 1.27 mm/min for ASTM/EN/ AASHTO CBR Tests and 50.8 mm/min for Marshall Tests.

Three models are available according the Dial Gauge.

The HR-AS0505 Analog Model is supplied complete with 50 kN Load Ring with 0,01 mm resolution Analog Dial Gauge.

The HR-AS0510 Digital Model is complete with 50 kN Load Ring with 0,01 mm resolution Digital Dial Gauge.

The HR-AS0515 Digital Model is complete with 50 kN Load Ring with 0,001 mm resolution Digital Dial Gauge.

The other Test Accessories should be ordered separately according to the test. Penetration Piston for CBR Tests and Breaking Head for Marshall Tests should be ordered separately.

### Technical Specifications:

Product Code	HR-AS0505	HR-AS0510	HR-AS0515
Product Name	CBR & Marshall Testing Machine with Load Ring		
Type	Analog Dial Gauge	Digital Dial Gauge	Digital Dial Gauge
Dial Gauge Resolution	0,01	0,01	0,001
Test Speed	Can be selected as 1.0 & 1.27 & 50.8 mm/min		
Capacity (kN)	50		
Dimensions (cm)	40x65x110		
Weight (kg)	100		
Power Supply	220 V, 50-60 Hz, 1 ph		

### Spare Parts & Accessories:

Product Code	Product Name
HR-AS0505/1	CBR & Marshall Testing Frame
HR-G5003	Load Ring, 50 kN capacity with 0,01 mm resolution Analog Dial gauge
HR-G5013	Load Ring, 50 kN capacity with 0,01 mm resolution Digital Dial gauge
HR-G5008	Load Ring, 50 kN capacity with 0,001 mm resolution Digital Dial gauge

### MARSHALL TEST SYSTEMS

STANDARDS: EN 12697-34, 12697-23, 12697-12, 13108, ASTM D1559, AASHTO T245

Should be used with Breaking Head Stability Mould for 4" (101,6 mm) or 6" (152,4 mm) Marshall Samples and Adaptor for Breaking Head to perform Marshall Tests.

### Spare Parts & Accessories:

Product Code	Product Name
HR-AS5000/1	Breaking Head Stability Mould for 4" (101,6 mm) Marshall Samples
HR-AS5000/2	Breaking Head Stability Mould for 6" (152,4 mm) Marshall Samples

### CBR TEST SYSTEMS

STANDARDS: EN 13286-47, BS 1377:4, ASTM D1883, AASHTO T193, NF P94-078, UNI CNR 10009

Should be used with CBR Penetration Piston to perform CBR Tests.

### Spare Parts & Accessories:

Product Code	Product Name
HR-S5000/1	CBR Penetration piston, used to perform CBR Tests



HR-AS0505/1 & HR-G5003  
HR-AS5000/1



HR-AS0505/1 & HR-G5003  
HR-S5000/1 & HR-G0876