

HİRA TESTING EQUIPMENT



BENKELMAN BEAM DEVICE

STANDARDS: AASTHO T256-77, CNR N141

Benkelman Beam Device, aluminum alloy made, complete with dial indicator and accessories, it is utilized to measure the deflection of the road surface when loaded by the wheels of vehicles.

The beam is put in contact with the pavement under test between the tires of the vehicle. The measurement of the deflection is performed when the vehicle passes over the test area.

Length of the Benkelman beam is 250 cm. Beam fulcrum ratio 4:1.

Supplied complete with wooden carrying case.



Technical Specifications:

Product Code	Product Name	Weight (kg)
HR-AS0900	Benkelman Beam Apparatus	16

Spare Parts & Accessories:

Product Code	Product Name
HR-AS0900/1	Wooden Carrying Case
HR-G0876	Analog Dial Gauge, 30 x 0,01 mm
HR-G0878	Digital Dial Gauge, 25 x 0,01 mm
HR-G0880	Digital Dial Gauge, 25 x 0,001 mm

PLATE BEARING EQUIPMENT

STANDARDS: NF P94-117-1

To determine the static deformation of flexible road pavement in the centre of the loading plate, the bearing capacity and deflection of subgrade and subbase of roads.

Used with the Benkelman Beam Apparatus.

HR-AS0950 Plate Bearing Equipment consists of Bearing plate 600 mm diameter cast aluminium, Piston assembly 200 kN capacity, Hydraulic hand pump, High Pressure Hose and Connection Apparatus and Analog manometer.

HR-AS0955 Digital Plate Bearing Equipment consists of Bearing plate 600 mm diameter cast aluminium, Piston assembly 200 kN capacity, Hydraulic hand pump, High Pressure Hose and Connection Apparatus, Analog Manometer, Pressure Transducer and Battery Operated Digital Readout Unit.

