Digital Point-Load Test Apparatus

Code: 77-0115
Product Group: Digital Point Load Tester, Point-Load Strength Test

Originally developed at Imperial College, London, the apparatus comprises a two-column fixed crosshead frame and a hand operated hydraulic jack. Pressure applied by the jack extends the piston carrying the lower conical point. The upper point is fixed to the crosshead with a scale mounted on the frame to provide specimen diameter information for use in point-load strength index calculations. Pressure is indicated directly on the digital readout unit. Loads up to 55 kN can be applied to specimens as large as 101.6 mm in diameter.

The apparatus is supplied complete with heavy-duty face mask.

Standard: ASTM D5731

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Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>55 kN</td>
</tr>
<tr>
<td>Maximum sample size</td>
<td>101.6 mm</td>
</tr>
<tr>
<td>Load range</td>
<td>0 to 55 kN x 0.001 kN</td>
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<tr>
<td>Weight</td>
<td>25 kg</td>
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</tbody>
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Accessories

**European Plug Adapter**

Code: 77-0115/12

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Spares/Consumables
Set of Cones for Digital Point Load Tester
Code: 77-0115/10

Alternatives

Rock Classification Hammer
Code: 77-0470