



### Hoek cells for rock triaxial tests

For use with pressures up to 70 MPa.

Used to measure the strength of cylindrical rock specimens which are subjected to triaxial compression.

The basic Hoek cell consists of the following:

Cell body complete with two screwed end caps and two self-sealing couplings, two spherical seats and pistons, hardened and ground, one specimen jacket.

A137 - A139



MODELS:

	Specimen Dia. x height	Size	Load spreader pads (pair)	Spare spherical seat + piston	Spare Jacket	Core drilling barrel 200 mm long	Adaptors set for extruder
<b>A137</b>	38,10x 75 mm	1,5"	<b>A136-01</b>	<b>A137-02</b>	<b>A137-03</b>	<b>A137-04</b>	<b>A141-02</b>
<b>A138</b>	42,04x 85mm	BX	<b>A136-01</b>	<b>A138-02</b>	<b>A138-03</b>	<b>A138-04</b>	<b>A141-03</b>
<b>A139</b>	54,74x100mm	NX	<b>A136-01</b>	<b>A139-02</b>	<b>A139-03</b>	<b>A139-04</b>	<b>A141-04</b>

NOTE: The load spreaders A136-01 are used to avoid the cell's pistons engrave the platens of the compression machine.

One set of extruder adaptors is formed by back plate, tamper and cell body support.

### A147

#### Compression device for rock cores

STANDARD: ASTM D2938

Used to perform compression tests on rock core specimens having max. diameter 55 mm and height between 95 to 110 mm. The loading piston is sustained by two springs; the upper compression platen is fitted with a spherical seat; the lower platen is fitted to the base.

Piston's stroke: 20 mm - Platens diameter: 55 mm

Vertical daylight: max. 112 mm, min. 92 mm - Platens hardness: 60 HRC

Overall dimensions: dia. 151 by height 249 mm

Weight: 10 kg approx.



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### A140-01

**Coring machine** used in the laboratory, to obtain cores from irregular rock samples. To be used with the Core Drilling Barrels (accessory A137-04÷A139-04).

The 2 speed electric motor 1500/2700 rpm is equipped with friction device and double safe isolation to CE Directive.

Complete with specimen's clamp device, water cooling system and water tank.

Power supply: 230 V 50/60 Hz 1ph 1800W

Weight: 60 kg approx.



A138-04

A137-04

A140-01

### A141

#### Extruder

Used to eject the rock sample from the rubber jacket, avoiding to empty the confining fluid.

Supplied without adaptors to be ordered separately (see table). Weight: 12 kg



A141

adaptors