

## TRIAXIAL TESTS ON ROCK SPECIMENS

STANDARDS: EN 1926, 14580; ASTM D2664, D2938, D3148, D5407

The manual pressure system is used for maintaining the constant lateral pressure in the Hoek triaxial cells and consists of a hydraulic hand pump with oil reservoir, a precision digital readout unit, a pressure transducer and a 3 m long flexible hose with quick release coupling.

The manual pressure system is used with any Hoek triaxial cell and 2000 kN Automatic Compression Testing Machine for the triaxial tests. Other type of HIRA compression testing machine can be used instead of HR-C2000.

BX type (Ø 42,04 mm), NX type (Ø 54,74 mm) and HQ, Ø 63,5 mm Hoek Cells have been designed for triaxial testing of rock specimens.

Hoek Cells comprise a steel body complete with two quick release self-sealing couplings, two steel end caps which are screwed to the cell body, 2 pieces of upper and 2 pieces of lower loading caps with spherical coupling and a rubber sealing sleeve to separate the specimen from the cell fluid.

Triaxial Test Set complete with Hand operated pressure system for lateral pressure in Hoek Cell with 700 bar capacity.

Hoek Cells and Spare Sealing Sleeves for Hoek Cells should be ordered separately according the test.



HR-R0150 with HR-C2000

### Technical Specifications:

Product Code	Product Name	Max. Working Pressure	Dimensions (cm)	Weight (kg)
HR-R0150	Triaxial Test Set on Rock Specimens	700 bar	---	---
HR-C2000	2000 kN Automatic Compression Testing Machine	400 bar	81x50x100	900

### Spare Parts & Accessories:

Product Code	Product Name	Max. Working Pressure	Dimensions (cm)	Weight (kg)
HR-R0151	Hand Operated Pressure System for Lateral Pressure in Hoek Cell	700 bar	105x50x30	20
HR-G9000	Hydraulic Hand Pump	700 bar	---	---
HR-R0153	Pressure Transducer and Digital Readout Unit	---	---	---
HR-R0154	Hoek Cell, BX, Ø 42,04 mm	---	35x15x20	15
HR-R0154/1	Spare Sealing Sleeves for HR-R0154	---	---	---
HR-R0155	Hoek Cell, NX, Ø 54,74 mm	---	35x15x20	15
HR-R0155/1	Spare Sealing Sleeves for HR-R0155	---	---	---
HR-R0156	Hoek Cell, HQ, Ø 63,5 mm	---	35x15x20	15
HR-R0156/1	Spare Sealing Sleeves for HR-R0156	---	---	---