



ROCK SHEAR BOX APPARATUS

Standard: ASTM D5607, ISRM

This shear box has been designed to receive irregularly shaped samples with surfaces measuring up to 115 x 125 mm or cores with a maximum diameter of 102 mm. The lower half of the box is connected to two hydraulic rams which generate the shear - ing force (in both directions) and the upper half supports the ram that applies the load at a right angle to the failure surface. The horizontal and vertical actuators are connected to two manually-operated hydraulic pumps. During the test the normal stress and the shearing stress are read on two independent dial gauges calibrated in engineering units; if the measurement of the shear deformation is required an appropriate dial gauge can be mounted on the support.

Technical Specifications :

Model Number	CL 1030 X / 002
Loading Capacity	50 x 0.01 kN
Dimension (Shear Box Unit) (mm)	790 (L) x 300 (W) x 600 (H), 68 kg
Dimension (Control Kit) (mm)	440 (L) x 450 (W) x 350 (H), 25 kg
Packing Dimension (mm)	800 (L) x 800 (W) x 750 (H)
Approx. Weight (Complete Set)	133 kg



Unit Consists Of :

Model Number	Parts Description	Qty
CL 1030 X / 001 – P 001	Mould Former (7kg)	1no.
CL 1030 X / 002 – P 001	Control Kit Unit (Unit Consist of 2 units Digimatic Hydraulic Hand Pump, Pressure Maintenance Unit)	1unit
CL 1030 X / 002 – P 002	Pressure Maintainer Pump	1no.
CL 1030 X / 001 – P 003	Sample Casting Plaster (25 kg / pack)	1pack
CL 1030 X / 002 – P 004	Specimen Craddle	1no.
CL 7020 X / 011	Analogue Dial Indicator 12 x 0.002 mm (Vertical Displacement Measuring)	4nos.
CL 7020 X / 001	Analogue Dial Indicator 25 x 0.01 mm (Horizontal Movement Measuring)	1no.

*1 Copy of Manual Instruction

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