

ROCK SHEAR BOX APPARATUS TPXJ-1

The technique enables the engineer to select specimens of rock from exposed faces or bore holes, observe orientation of fault lines, then set and test the fault in the shear box. The apparatus consists of a diagonally split box assembly. The upper half incorporates a vertical ram for compressive loading, and the lower half, two horizontal rams for reversible shearing action. The force applied by the horizontal ram is aligned with the center of the box and the discontinuity in the specimen. Pressure is applied to the rams by means of hand-operated hydraulic pumps.

CONFIGURATION

Model	Item	Unit	Qty
TPXJ-1A	Main engine	Pcs	1
TPXJ-1B	Specimen box	Pcs	6
TPXJ-1C	Hydraulic Pumps	Pcs	2
TPXJ-1D	Pressure gauges	Pcs	2
TPXJ-1E	Dial gauge	Pcs	2
TPXJ-1F	Tools	Set	1

Dimensions of shear box (mm)	160×150×200 (L×W×H)
Load application	Hydraulic via two single speed hand pump
Pressure gauge	40Mpa
Horizontal displacement	Dial gauge 10 mm travel x 0.01 mm
Dimension of package(mm)	480×730×250(L×W×H)
Total Weight(kg)	120

