



SO-270

Proving Ring Penetrometer (SO-270)

For determining penetration resistance of soil layers.

Type	Parts Name	Specification	Qty
SO-271	Penetration Rod	Round bar, 3/4" dia., 51.5cm/49 cm length with 5 cm increment line	2 Pc
SO-272	Penetration Cone	Machined steel, hardened, plated, 1 sq. In cross section area, 30° angle	2 Pc
SO-273	Holder	Aluminium handle	1 Pc
GE-274	Carrying Case	Wooden Case	1 Pc
GE-101.1	Proving Ring	100 kg capacity	1 set
GE-730 A	Open End Wrench	Vanadium steel	2 Pc

Dimension (l x w x h) : 65 x 35 x 20 cm
Gross Weight : 10 kg

Also required, but not part of this set:

SO-450	Moisture Content Test Set
GE-390	Thin Box

TVA Penetration (SO-280)

Widely used in analyzing soil surface.

Type	Parts Name	Specification	Qty
SO-281	Penetration Rod and Chamber	Steel pipe, 65 cm length with hydraulic chamber	
Consist of:			
SO-281.1	Penetration Rod	Round bar, 40 cm length	2 Pc
SO-281.2	Hydraulic Chamber	Machined steel, 100 kg cap.	1 Pc
SO-282	Penetration Needle	Machined steel, hardened, tip 0.5, 1.0, 2.0, 3.0 sq. cm Cross section area	1 Set
SO-283	Holder	Aluminium handle	1 Pc
SO-284	TVA Manometer	100 kg capacity	1 Pc
SO-285	Carrying Case	Wooden case	1 Pc
GE-730 A	Open And Wrench	Vanadium steel	2 Pc

Dimension (l x w x h) : 65 x 35 x 20 cm
Gross Weight: 10 kg

Also required, but not part of this set:

GE-965	Hydraulic oil
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SO-280



SO-310

Liquid Limit Test Set (SO-310)

ASTM D-4318

AASHTO T-89

For determining liquid limit of soil sample.

Type	Parts Name	Specification	Qty
SO-311	Liquid Limit Device	Hand operated, brass cup, hard rubber base	1 set
SO-312	ASTM Grooving Tool	Machine steel, head gauge	1 Pc
SO-313	Cassagrande Grooving Tool	Brass plate	1 Pc
GE-390	Thin Box	Aluminium, 60 gr capacity	12 Pc
GE-396	Glass Plate	Glass, 10 mm thick, 30 x 30 cm	1 Pc
GE-402	Graduated Cylinder	100 ml capacity	1 Pc
GE-501	Porcelain Dish	12 cm dia, 250 ml capacity	1 Pc
GE-820	Spatula	150 mm blade	1 Pc
GE-825	Scraper	100 mm blade	1 Pc

Dimension (l x w x h) : 40 x 40 x 40 cm
Gross Weight : 7 kg

Also required, but not part of this set:

SO-450	Moisture Content Test Set
AG-232 A	Sieve no. 40
AG-250	Pan & Cover
GE-511	Mortar and paste