



LABORATORY VANE SHEAR TEST

The test, is performed as per IS : 2720 (Part XXX), is suitable for estimation of undrained shear strength of cohesive soils of low shear strength. The equipment listed below satisfies the requirements of IS : 2720 (Part XXX).

●● HS22.95

Laboratory Vane Shear Apparatus, Hand Operated

The apparatus comprises of the following :-

- i) A torque applicator having a base with a hole for holding the specimen mould in position, supporting frame carrying torque head adjustable in height and a graduated drum to measure the deformation of springs.
- ii) A set of four springs, one each of 2 kg cm, 4 kg cm, 6 kg cm and 8 kg cm.
- iii) A vane of size 12.0 x 24.0 mm long with a vane rod.
- iv) Specimen container to take a specimen of 50 mm dia x 75 mm high.
- v) Wooden carrying case for the complete apparatus.

●● HS22.100

Laboratory Vane Shear Apparatus, Motorized

Same as HS22.95 but torque head is electrically driven by a small reduction geared motor with a strain rate of 6^0 per minute approximately.

HS22.95.2 Vane of size 12.0 x 24.0 mm

HS22.95.3 Stand with fixtures suitable for 38 mm dia tubes.

HS22.95.5 Stand with fixtures suitable for 50 mm dia tubes.



HS22.100

Common Accessories for above models:

HS22.95.1 Set of 4 springs, as specified above.