

Laboratory Vane Apparatus

Related Standards

British BS BS1377-7: 1990

American ASTM D4648-16

The VJ Tech Laboratory Vane Apparatus is based on the original design by the TRL. Torsional load is applied through one of four calibrated springs to a laboratory vane, to determine the shear strength in soft soils of undisturbed or remoulded samples.

The hand operated frame has a 200mm diameter base plate capable of accepting standard specimen moulds and sample tubes. Scales indicate the load application and any vane deflection.

There are three different motorising attachments that can be fitted to automate the test process and provide better accuracy:

- BS Standard (240V/50Hz)
- Switchable BS/ASTM Standard (240V/50Hz)
- ASTM Standard (110V/60Hz)

If purchased with the machine, the motorising attachment will be fitted and tested. Alternatively, the motorising attachment can be purchased at a later date and easily fitted at the customer site.

Ordering Information

VJT5300 Laboratory Vane Apparatus

Accessories Included

VJT5301 Standard Vane 12.7 mm x 12.7 mm

VJT5309 Lab Vane Spring Set of 4 (stainless steel)

Other Accessories

VJT5305 Lab Vane Motorising Attachment (BS), 240V/50Hz (nominal 10 degrees/min)

VJT5305A Lab Vane Motorising Attachment (ASTM), 110V/60Hz (nominal 60 degrees/min)

VJT5308 Lab Vane Motorising Attachment switchable between ASTM & BS (240V/50Hz)

VJT5306 Attachment to hold sample tubes and glass jars

VJT5302 Standard Vane 25.4 mm x 25.4 mm

VJT5303 Standard Vane 12.7 mm x 25.4 mm

VJT5304 Standard Vane 12.7 mm x 19.0 mm

Specifications

Dimensions (W x D x H) 240 x 200 x 560 mm

Weight 10 kg



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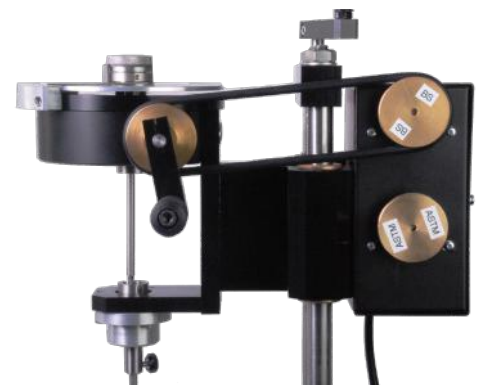
Features

- BS, ASTM & BS/ASTM versions available
- Easy to use
- Rapid way of determining shear strength in soft soils
- Manufactured to a high specification
- Manual unit can easily be upgraded to a motorised version
- Supplied with 12.7 x 12.7mm Standard Vane and set of four calibrated springs



VJT5305 - Lab Vane Motorising Attachment (BS)

VJT5308 - Lab Vane Motorising Attachment (BS/ASTM)



Switchable Motorising Attachment Fitted to Lab Vane