

# FIELD VANE SHEAR APPARATUS

Code : T176



- A field vane tester in engineering testing laboratories is used to measure the in-situ shear strength of cohesive soils, typically in the field. It consists of a set of blades that are rotated into the soil to create a shear failure.
- The resistance to rotation is used to calculate the undrained shear strength of the soil, providing valuable information for geotechnical design, particularly for foundations and stability analysis in clayey soils.

## **STANDARDS**

ASTM D2573 • AASHTO T202

## **ORDERING INFORMATION**

| Item | Code |
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|---------------------------------------------------|-----------|
| FIELD VANE SHEAR APPARATUS                        | T176X00XH |
| HAND-VANE SHEAR APPARATUS                         | T175X00XH |
| VANE ADAPTOR for T175 (0 - 2 N/cm <sub>2</sub> )  | T175P001H |
| VANE ADAPTOR for T175 (0 - 10 N/cm <sub>2</sub> ) | T175P002H |
| VANE ADAPTOR for T175 (0 - 25 N/cm <sub>2</sub> ) | T175P003H |

**ORDERING INFORMATION**