

# HAND VANE SHEAR APPARATUS (T175)

Category: Soil



**Product Code:** T175

**Category:** SOIL

**Sub-Category:** SOIL CLASSIFICATION

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- A pocket 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.

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## **STANDARDS**

ASTM D2573 • AASHTO T202

## **SUPPLIED WITH**

| Vane Adaptor  | Capacity                               |
|---------------|--|
| Sensitive     | 0 - 2 N/cm <sup>2</sup> (0 - 20 kPa)   |
| Standard      | 0 - 10 N/cm <sup>2</sup> (0 - 100 kPa) |
| High Capacity | 0 - 25 N/cm <sup>2</sup> (0 - 250 kPa) |

## **ORDERING INFORMATION**

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

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*Keywords:*