

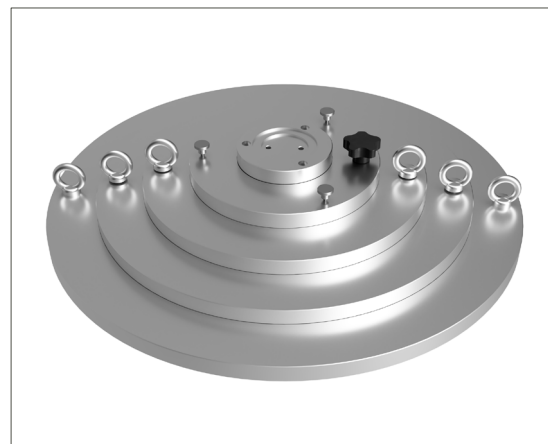
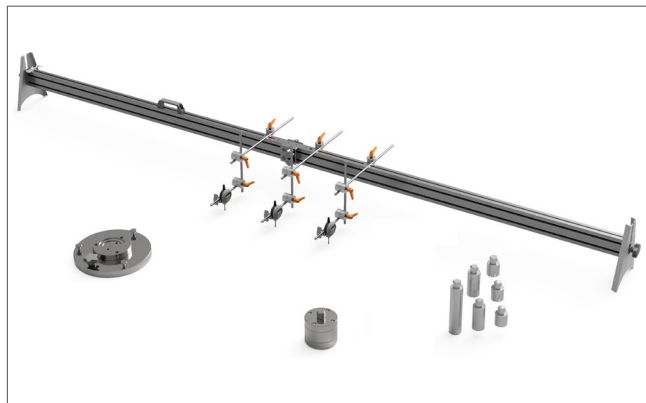
PLATE LOAD TEST SYSTEM

Description

The Gestecno PSP system is designed for in situ geotechnical testing to determine soil deformability and bearing capacity, using rigid circular plates and measuring vertical settlements.

Processing the acquired data makes it possible to determine the M_d deformation modulus, a key parameter for evaluating soil mechanical characteristics, compaction quality and the bearing capacity of foundations and infrastructure.

The kit consists of a high-rigidity aluminium reference beam, adjustable supports for dial gauges and a set of plates with different diameters. The modular structure ensures fast installation, measurement accuracy and easy transport.



Applications

- Verification of soil bearing capacity
- Compaction control of embankments and backfills
- Testing of road sub-bases and shallow foundations
- Industrial floors and civil infrastructure works
- Railway and airport construction sites
- Geotechnical investigations and on-site quality checks

Features

- Complete system for plate load tests
- High-rigidity aluminium reference beam
- Micrometric supports for analog and digital dial gauges
- Plates with diameters of 100, 130, 145, 160 and 176 mm
- High mechanical strength components
- Quick installation, modular and configurable structure

Ordering information

CODE	PRODUCT DESCRIPTION
PSP	PSP system for plate load tests

Technical specifications

Plate diameters	300 - 450 - 600 - 760 mm
Plate material	High-strength steel
Reference beam material	Anodized aluminium
Measurement system	Analog or digital dial gauges
Number of dial gauges	Configurable
Field of use	In situ geotechnical testing
Configuration	Modular

For more information:

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