

ICS 93.020

**Geotechnical investigation and testing –
Testing of geotechnical structures –
Part 1: Testing of piles: static compression load testing (ISO 22477-1:2018,
Corrected version 2019-03);
English version EN ISO 22477-1:2018,
English translation of DIN EN ISO 22477-1:2019-12**

Geotechnische Erkundung und Untersuchung –
Prüfung von geotechnischen Bauwerken und Bauwerksteilen –
Teil 1: Statische axiale Pfahlprobelbelastungen auf Druck (ISO 22477-1:2018, korrigierte
Fassung 2019-03);
Englische Fassung EN ISO 22477-1:2018,
Englische Übersetzung von DIN EN ISO 22477-1:2019-12

Reconnaissance et essais géotechniques –
Essais de structures géotechniques –
Partie 1: Essais de pieux: essai de chargement statique en compression (ISO 22477-1:2018,
Version corrigée 2019-03);
Version anglaise EN ISO 22477-1:2018,
Traduction anglaise de DIN EN ISO 22477-1:2019-12

Document comprises 32 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 22477-1:2018) has been prepared by Technical Committee CEN/TC 341 “Geotechnical investigation and testing” (Secretariat: BSI, United Kingdom) in collaboration with Technical Committee ISO/TC 182 “Geotechnics”.

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-05-07 AA “Ground; Piles (national mirror committee for CEN/TC 288 and CEN/TC 341/WG 4 and WG 7)”.

DIN EN ISO 22477 consists of the following parts, under the general title *Geotechnical investigation and testing — Testing of geotechnical structures*:

- *Part 1: Testing of piles: static compression load testing*
- *Part 4: Testing of piles: dynamic load testing*
- *Part 5: Testing of grouted anchors*
- *Part 10: Testing of piles: rapid load testing*

The DIN document corresponding to the international document referred to in this document is as follows:

ISO 7500-1 DIN EN ISO 7500-1

Reference is made to the National Annex NA for the national provisions required in this document.

National Annex NA (normative)

National provisions

The following national provisions are to be observed in the following parts of the standard:

To subclause 4.5 Note 2:

The load shall be measured at the head of the pile. Load measurement shall be obtained from a load cell (load cells) or from the pressure of the jack or jack system, by means of suitable calibrated pressure gauges.

To subclause 5.2.1 Note:

The load step sequence according to 5.2.3 shall be carried out.

To subclause 5.2.3 paragraph 5 last sentence:

Note: It is useful to extend the duration until a constant or decreasing creep is reached.

To subclause 6.4 last paragraph:

The optional parameters or information are not used in Germany.

National Annex NB
(informative)

Bibliography

DIN EN ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*