

STN	Inštalácia dodatočne predpätých zostáv pre predpäté konštrukcie Časť 1: Odbornosť personálu	STN EN 17678-1 73 1256
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Installation of post-tensioning kits for prestressing of structures - Part 1: Competence of personnel

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Installation of post-tensioning kits for prestressing of structures - Part 1: Competence of personnel

Mise en oeuvre de kits de post-tension pour la précontrainte des structures - Partie 1 : Compétences du personnel

Ausführung von Arbeiten von Spannverfahren mit nachträglichem Verbund in Tragwerken - Teil 1: Personalkompetenz

This European Standard was approved by CEN on 19 September 2022.

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COMITÉ EUROPÉEN DE NORMALISATION
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EN 17678-1:2022 (E)

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European foreword

This document (EN 17678-1:2022) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by SN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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EN 17678-1:2022 (E)**Introduction**

The market for the post-tensioning (PT) kits exists worldwide but the first area of concern is Europe.

The main motivating factor for creating this document on competence of personnel is:

- safety and quality considerations during the installation of the PT kits;
- safeguarding the integrity of structures during their service life;
- facilitating free movement of PT personnel, both between PT specialist companies and member states.

The requirements for the competence and assessment of prestressing personnel are based on the experience of CWA 14646:2003 [2].

The CWA was initiated by the PT providers and the CEN workshop represented all groups of stakeholders related to the installation of PT kits.

As CWA 14646 has expired and to fill this gap, an initiative by the same group of stakeholders was taken to replace and update the provisions on competence in CWA 14646 with this document.

This document supplements the general requirements of personnel given in EN 13670.

Part 1 of this document deals with the minimum competence personnel working with PT installations shall possess, and with the tasks the personnel is qualified to undertake.

Part 2 of this document gives the framework for how to assess the competence of PT personnel and issue certificates to candidates fulfilling the requirements.

Additional requirements and requirements beyond the minimum formulated in this document may be specified in a project specification or in a national annex to this document.

1 Scope

This document specifies the minimum training and registration requirements for post-tensioning personnel involved in the installation of PT kits. These PT kits are typically used in concrete structures using bonded or unbonded tendons in accordance with the relevant execution specifications, product standard and / or appropriate technical assessment.

This document specifies the tasks that the various categories of PT personnel can undertake.

For the purposes of this document, PT personnel means: PT Manager, PT Supervisors, PT Operatives and PT Trainees who are directly employed or indirectly employed on a sub-contract basis.

This document does not cover general safety and health aspects.

This document does not cover contractual issues.

prEN 17678-2:2022 deals with the assessment of competence.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 445, *Grout for prestressing tendons – Test methods*

EN 446, *Grout for prestressing tendons – Grouting procedures*

EN 447, *Grout for prestressing tendons - Basic requirements*

EN 1992-1-1, *Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*

EN 13670, *Execution of concrete structures*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN