

STN	Potrubné systémy z plastov Ventily z termoplastov Skúšobná metóda neporušenosti ventilu po vonkajšom zaťažení rázom	STN EN 1705 64 0361
------------	--	---------------------------------------

Plastics piping systems - Thermoplastics valves - Test method for the integrity of a valve after an external blow

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/25

Obsahuje: EN 1705:2025

Oznámením tejto normy sa ruší

STN EN 1705 (64 0361) zo septembra 2001

140942

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1705

May 2025

ICS 23.060.01

Supersedes EN 1705:1996

English Version

**Plastics piping systems - Thermoplastics valves - Test
method for the integrity of a valve after an external blow**

Systèmes de canalisations en plastique - Robinets en
thermoplastiques - Méthode d'essai pour la vérification
d'un robinet après un choc externe

Kunststoff-Rohrleitungssysteme - Thermoplast-
Armaturen - Prüfverfahren der Unversehrtheit einer
Armatur nach äußerer Schlagbelastung

This European Standard was approved by CEN on 14 April 2025.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 1705:2025 (E)

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	4
4 Principle.....	5
5 Apparatus.....	7
6 Test piece.....	9
6.1 General	9
6.2 Sampling	9
6.3 Preparation of test pieces.....	9
6.4 Number of test pieces.....	9
7 Procedure.....	9
7.1 General	9
7.2 Assessment of operating torque at –20 °C.....	9
7.3 Assessment of the resistance of the stop mechanism at –20 °C.....	10
7.4 Assessment of operating torque at 40 °C	10
7.5 Assessment of the resistance of the stop mechanism at 40 °C	10
7.6 Assessment of external leak tightness.....	10
8 Test report.....	10
Bibliography	12

European foreword

This document (EN 1705:2025) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

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 November 2025, and conflicting national standards shall be withdrawn at the latest by November 2025.

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.

This document supersedes EN 1705:1996.

EN 1705:2025 includes the following significant technical changes with respect to EN 1705:1996:

- added in the scope the reference to thermoplastic materials
- added the Clause 3 Terms and definitions
- clarifications were introduced for Clause 4 Principle by adding the high-risk impact positions
- subclauses on “Sampling”, “Preparation of test pieces”, “Number of test pieces” were added under Clause 6 “Test piece”
- Clause 7 “Procedure” was revised and operations to be carried out in the tests have been specified

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 1705:2025 (E)**1 Scope**

This document specifies a test method for determining the leak tightness and the ease of operation and stop resistance of a valve made of thermoplastic material following an impact applied to the operating device.

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 ISO 3127, *Thermoplastics pipes - Determination of resistance to external blows - Round-the-clock method (ISO 3127)*

EN ISO 1167-1:2006, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure - Part 1: General method (ISO 1167-1:2006)*

EN ISO 8233, *Thermoplastics valves - Torque - Test method (ISO 8233)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN