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Flanges and their joints - Design rules for gasketed circular flange connections - Part 6: Background information

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 1591-6:2025.
This Technical standard information includes the English version of CEN/TR 1591-6:2025.

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English Version

Flanges and their joints - Design rules for gasketed circular flange connections - Part 6: Background information

Brides et leurs assemblages - Règles de calcul des assemblages à brides circulaires avec joint - Partie 6: Document de référence

Flansche und ihre Verbindungen - Regeln für die Auslegung von Flanschverbindungen mit runden Flanschen und Dichtung - Teil 6: Hintergrund-Informationen

This Technical Report was approved by CEN on 22 December 2024. It has been drawn up by the Technical Committee CEN/TC 74.

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CEN/TR 1591-6:2025 (E)**European foreword**

This document (CEN/TR 1591-6:2025) has been prepared by Technical Committee CEN/TC 74 “Flanges and their joints”, the secretariat of which is held by DIN.

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 CR 13642:1999.

CEN/TR 1591-6:2025 includes the following significant technical changes with respect to CR 13642:1999:

- Update of 6.1.2, 6.1.3, 6.1.4 and 6.2 regarding evolution within EN 1591-1:2024 related to gasket parameters.

NOTE This is not an exhaustive list of all modifications.

This document is part of a series that consists of the following parts:

- EN 1591-1, *Flanges and their joints — Design rules for gasketed circular flange connections — Part 1: Calculation*
- CEN/TR 1591-2, *Flanges and their joints — Design rules for gasketed circular flange connections — Part 2: Gasket parameters*
- CEN/TS 1591-3, *Flanges and their joints — Design rules for gasketed circular flange connections — Part 3: Calculation method for metal-to-metal contact type flanged joint*
- EN 1591-4, *Flanges and their joints — Part 4: Qualification of personnel competency in the assembly of the bolted connections of critical service pressurized systems*
- CEN/TR 1591-5, *Flanges and their joints — Design rules for gasketed circular flange connections — Part 5: Calculation method for full face gasketed joints*
- CEN/TR 1591-6, *Flanges and their joints — Design rules for gasketed circular flange connections — Background information*

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.

1 Scope

This document gives background information for guidance to be used in conjunction with the calculation method for design rules for gasketed circular flange connections as specified in EN 1591-1:2024.

NOTE References to formulae numbered in this document have a decimal format whilst those in EN 1591-1:2024 are indicated by whole numbers.

2 Normative references

There are no normative references in this document.

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