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**Execution of steel structures and aluminium structures –
Part 2: Technical requirements for steel structures;
English version EN 1090-2:2018,
English translation of DIN EN 1090-2:2018-09**

Ausführung von Stahltragwerken und Aluminiumtragwerken –
Teil 2: Technische Regeln für die Ausführung von Stahltragwerken;
Englische Fassung EN 1090-2:2018,
Englische Übersetzung von DIN EN 1090-2:2018-09

Exécution des structures en acier et des structures en aluminium –
Partie 2: Exigences techniques pour les structures en acier;
Version anglaise EN 1090-2:2018,
Traduction anglaise de DIN EN 1090-2:2018-09

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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 1090-2:2018) has been prepared by Technical Committee CEN/TC 135 “Execution of steel structures and aluminium structures” (Secretariat: SN, Norway).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-08-14 AA “Fabrication of steel structures (national mirror committee for CEN/TC 135 and ISO/TC 167)”.

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

ISO 10005	DIN ISO 10005
ISO 17123-1	DIN ISO 17123-1
ISO 17123-3	DIN ISO 17123-3
ISO 17123-4	DIN ISO 17123-4
ISO/TR 20172	DIN SPEC 1097
ISO/TR 20173	DIN SPEC 1116
ISO/TR 20174	<i>DIN-Fachbericht</i> CEN ISO/TR 20174

This document includes national footnotes in subclauses 6.5.4, 7.5.8.2, 11.2.3.4 and in Annex B.

Amendments

This standard differs from DIN EN 1090-2:2011-10 as follows:

- a) the standard has been completely revised;
- b) technical requirements for cold-formed structural steel components and sheeting as well as cold-formed structural steel components for roof, ceiling, floor, wall and cladding applications have been removed from this part of the EN 1090 standards series as they are given in EN 1090-4;
- c) the informative Annex B giving guidance on the determination of the execution class has been removed as the normative requirements for the selection of the execution class are now included in EN 1993-1-1:2005/A1:2014, Annex C;
- d) a new informative Annex D has been included giving guidance on a procedure for checking the suitability of automated thermal cutting processes;
- e) a new informative Annex I has been included giving guidance on the determination of the loss of preload due to thick coatings on contact surfaces in preloaded connections;
- f) the normative Annex J “Use of compressible washer-type direct tension indicators” has been removed;
- g) a new informative Annex L has been included giving guidance on the selection of weld inspection classes;
- h) other annexes have been renumbered accordingly: Annex D becomes Annex B; Annex K becomes Annex J; Annex L becomes Annex K;
- i) Annexes A, C, E, F, G, H and M have not been renumbered; some additions have been made in these annexes.

Previous editions

DIN 1000: 1921-03, 1923-10, 1930-07, 1956x-03, 1973-12
DIN 1073: 1928-04, 1931-09, 1941-01, 1974-07
DIN 4100: 1931-05, 1933-07, 1934xxxx-08, 1956-12, 1968-12
DIN 4101: 1937xxx-07, 1974-07
DIN 1079: 1938-01, 1938-11, 1970-09
DIN 4100 Supplement 1: 1956x-12, 1968-12
DIN 4100 Supplement 2: 1956x-12, 1968-12
Supplement to DIN 1073: 1974-07
DIN 18800-7: 1983-05, 2002-09, 2008-11
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National Annex NA
(informative)

Bibliography

DIN-Fachbericht CEN ISO/TR 20174, Welding — Grouping systems for materials — Japanese materials

DIN ISO 10005, Quality management systems — Guidelines for quality plans

DIN ISO 17123-1, Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 1: Theory

DIN ISO 17123-3, Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 3: Theodolites

DIN ISO 17123-4, Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 4: Electro-optical distance meters (EDM measurements to reflectors)

DIN SPEC 1097, Welding — Grouping systems for materials — European materials

DIN SPEC 1116, Welding — Grouping systems for materials — American materials

English Version

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Exécution des structures en acier et des structures en
aluminium - Partie 2: Exigences techniques pour les
structures en acier

Ausführung von Stahltragwerken und
Aluminiumtragwerken - Teil 2: Technische Regeln für
die Ausführung von Stahltragwerken

This European Standard was approved by CEN on 22 January 2018.

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