

## DIN EN ISO 683-2



ICS 77.140.10; 77.140.20; 77.140.45

Supersedes: see below

**Heat-treatable steels, alloy steels and free-cutting steels –  
Part 2: Alloy steels for quenching and tempering (ISO 683-2:2016);  
English version EN ISO 683-2:2018,  
English translation of DIN EN ISO 683-2:2018-09**

Für eine Wärmebehandlung bestimmte Stähle, legierte Stähle und Automatenstähle –  
Teil 2: Legierte Vergütungsstähle (ISO 683-2:2016);  
Englische Fassung EN ISO 683-2:2018,  
Englische Übersetzung von DIN EN ISO 683-2:2018-09

Aciers pour traitement thermique, aciers alliés et aciers pour décolletage –  
Partie 2: Aciers alliés pour trempe et revenu (ISO 683-2:2016);  
Version anglaise EN ISO 683-2:2018,  
Traduction anglaise de DIN EN ISO 683-2:2018-09

Together with DIN EN ISO 683-1:2018-09, supersedes DIN EN 10083-1:2006-10;  
supersedes DIN EN 10083-3:2007-01 and DIN EN 10083-3 Corrigendum 1:2009-01

Document comprises 48 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 683-2:2018) has been prepared by Technical Committee ECISS/TC 105 “Steels for heat treatment, alloy steels, free-cutting steels and stainless steels” (Secretariat: DIN, Germany) of the European Committee for Iron and Steel Standardization (ECISS).

The responsible German body involved in its preparation was *DIN-Normenausschuss Eisen und Stahl* (DIN Standards Committee Iron and Steel), Subcommittee NA 021-00-05-01 UA “Non-alloy and alloy mechanical engineering steels”.

This document specifies the technical delivery conditions for alloy steels for quenching and tempering.

## **Amendments**

This standard differs from DIN EN 10083-1:2006-10, DIN EN 10083-3:2007-01 and DIN EN 10083-3 Corrigendum 1:2009-01 as follows:

- a) the steel grades 41CrNiMo2, 41CrNiMoS2 and 36CrNiMo4 have been added;
- b) the steel grades 38Cr2, 46Cr2, 35NiCr6, 36NiCrMo16, 39NiCrMo3 and 30NiCrMo16-6 have been deleted;
- c) the standard has been editorially revised.

## **Previous editions**

DIN 1661: 1924-09, 1929-06  
DIN 1662: 1928-07, 1930-06  
DIN 1662 Suppl. 5, Suppl. 6, Suppl. 8 to Suppl. 11: 1932-05  
DIN 1663: 1936-05, 1939x-12  
DIN 1663 Suppl. 5, Suppl. 7 to Suppl. 9: 1937x-02  
DIN 1665: 1941-05  
DIN 1667: 1943-11  
DIN 17200: 1951-12, 1969-12, 1984-11, 1987-03  
DIN 17200 Suppl. 1952-05  
DIN 17212: 1972-08  
DIN EN 10083-1: 1991-10, 1996-10, 2006-10  
DIN EN 10083-2: 1991-10, 1996-10  
DIN EN 10083-3: 1996-02, 2006-10, 2007-01  
DIN EN 10083-3 Corrigendum 1: 2009-01

English Version

Heat-treatable steels, alloy steels and free-cutting steels -  
Part 2: Alloy steels for quenching and tempering  
(ISO 683-2:2016)

Aciers pour traitement thermique, aciers alliés et  
aciers pour décolletage - Partie 2: Aciers alliés pour  
trempe et revenu (ISO 683-2:2016)

Für eine Wärmebehandlung bestimmte Stähle, legierte  
Stähle und Automatenstähle - Teil 2: Legierte  
Vergütungsstähle (ISO 683-2:2016)

This European Standard was approved by CEN on 18 May 2018.

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.

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## **European foreword**

The text of ISO 683-2:2016 has been prepared by Technical Committee ISO/TC 17 “Steel” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 683-2:2018 by Technical Committee ECISS/TC 105 “Steels for heat treatment, alloy steels, free-cutting steels and stainless steels” the secretariat of which is held by DIN.

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 December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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 10083-1:2006, EN 10083-3:2006.

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

### **Endorsement notice**

The text of ISO 683-2:2016 has been approved by CEN as EN ISO 683-2:2018 without any modification.