



BSI Standards Publication

Heat-treatable steels, alloy steels and free-cutting steels

Part 3: Case-hardening steels

National foreword

This British Standard is the UK implementation of EN ISO 683-3:2018. It is identical to ISO 683-3:2016. It supersedes BS EN 10084:2008, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/105, Steels for Heat Treatment, Alloy Steels, Free-Cutting Steels and Stainless Steels.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Heat-treatable steels, alloy steels and free-cutting steels -
Part 3: Case-hardening steels (ISO 683-3:2016)

Aciers pour traitement thermique, aciers
alliés et aciers pour décolletage - Partie 3:
Aciers pour cémentation (ISO 683-3:2016)

Für eine Wärmebehandlung bestimmte
Stähle, legierte Stähle und Automatenstähle
- Teil 3: Einsatzstähle (ISO 683-3:2016)

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

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European foreword

The text of ISO 683-3:2016 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 683-3:2018 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of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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This document supersedes [EN 10084:2008](#).

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Endorsement notice

The text of ISO 683-3:2016 has been approved by CEN as EN ISO 683-3:2018 without any modification.

The European steel numbers to the steel grades are to be found in informative Annex B. Some European steel numbers were not available at the publication of this International standard, for this reason they are given now below.

S t e e l name	22Mn6	20 Cr4	20CrS4	24CrMo4	24CrMoS4
S t e e l number	1.1160	1.7027	1.7028	1.7208	1.7209

The references to following European standards are given for information:

[EN 10017](#), *Steels rod for drawing and/or cold rolling – Dimensions and tolerances*

[EN 10021](#), *General technical delivery conditions for steel products*

[EN 10029](#), *Hot-rolled steel plates 3 mm thick or above – Tolerances on dimensions and shape*

[EN 10048](#), *Hot-rolled narrow steel strip – Tolerances on dimensions and shape*

[EN 10051](#), *Continuously hot-rolled strip and plate/sheet cut from wide strip of non.-alloy and alloy steels – Tolerances on dimensions and shape*

[EN 10058](#), *Hot rolled flat steel bars for general purposes – Dimensions and tolerances on shape and dimensions*

[EN 10059](#), *Hot rolled square steel bars for general purposes – Dimensions and tolerances on shape and dimensions*

[EN 10060](#), *Hot rolled round steel bars - Dimensions and tolerances on shape and dimensions*

[EN 10061](#), *Hot rolled hexagon steel bars – Dimensions and tolerances on shape and dimensions*

[EN 10160](#), *Ultrasonic testing of steel flat product of thickness equal or greater than 6 mm (reflection method)*

[EN 10204](#), *Metallic products – Types of inspection documents*

[EN 10308](#), *Non-destructive testing – Ultrasonic testing of steel bars*

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