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

Part 17: Ball and roller bearing steels

*Aciers pour traitement thermique, aciers alliés et aciers pour
décolletage —*

Partie 17: Aciers pour roulements



Reference number
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Contents

	Page
Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification and designation	2
4.1 Classification.....	2
4.2 Designation.....	2
5 Information to be supplied by the purchaser	3
5.1 Mandatory information.....	3
5.2 Options/Supplementary or special requirements.....	3
6 Manufacturing process	3
6.1 General.....	3
6.2 Deoxidation, vacuum degassing and hydrogen removal.....	4
6.3 Heat-treatment and surface condition at delivery.....	4
6.3.1 Heat-treatment condition.....	4
6.3.2 Particular surface conditions.....	4
6.3.3 Traceability of the cast.....	4
7 Requirements	4
7.1 General.....	4
7.2 Chemical composition.....	4
7.3 Hardenability.....	4
7.4 Hardness.....	5
7.5 Microstructure.....	5
7.5.1 Austenitic grain size of case-hardening and induction-hardening bearing steels.....	5
7.5.2 Spheroidization and distribution of carbides.....	5
7.5.3 Structure of case-hardening steels in the condition +FP.....	5
7.6 Non-metallic inclusions.....	5
7.6.1 Microscopic inclusions.....	5
7.6.2 Macroscopic inclusions.....	5
7.7 Internal soundness.....	5
7.8 Surface quality.....	5
7.9 Shape, dimensions and tolerances.....	6
8 Inspection	6
8.1 Testing procedures and types of inspection documents.....	6
8.2 Frequency of testing.....	6
8.3 Specific inspection and testing.....	6
8.3.1 Verification of the hardenability and hardness.....	6
8.3.2 Inspection of the surface quality.....	6
8.3.3 Dimensional and shape inspection.....	7
9 Test methods	7
9.1 Chemical analysis.....	7
9.2 Hardness and hardenability tests.....	7
9.2.1 Hardness.....	7
9.2.2 Verification of hardenability.....	7
9.2.3 Retests.....	7
10 Marking	7
Annex A (normative) Supplementary or special requirements	19
Annex B (informative) Designations of the steels given in Tables 3, 5 and 6 and of comparable grades covered in various designation systems	22

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Bibliography	24
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Foreword

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 4, *Heat treatable and alloy steels*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 459/SC 5, *Steels for heat treatment, alloy steels, free-cutting steels and stainless steels*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 683-17:2014), which has been technically revised.

The main changes are as follows:

- induction hardening steel 50CrMo4 and stainless steel X30CrMoN15-1 were added;
- requirements for Ca and Ti content have been added for through-hardening bearing steels;
- requirements for O content have been further restricted for through-hardening and induction-hardening bearing steels;
- option for H content for premium bearing steels has been added for through-hardening, case-hardening and induction-hardening bearing steels;
- option for verification of microscopic inclusions in [Table A.1](#) for through-hardening bearing steels has been revised.

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