

This is a preview of "ISO 630-3:2012". [Click here to purchase the full version from the ANSI store.](#)

First edition
2012-06-01

Structural steels —

Part 3:

Technical delivery conditions for fine-grain structural steels

Aciers de construction —

Partie 3: Conditions techniques de livraison pour aciers de construction à grains fins



Reference number
ISO 630-3:2012(E)

© ISO 2012

This is a preview of "ISO 630-3:2012". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 630-3:2012". Click here to purchase the full version from the ANSI store.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification and designation	2
4.1 Classification	2
4.2 Grades and qualities	2
4.3 Normative annexes	2
5 Information to be supplied by purchaser	2
5.1 Mandatory information	2
5.2 Options	3
6 Requirements	3
6.1 Steelmaking process	3
6.2 Delivery condition	3
6.3 Chemical composition	3
6.4 Mechanical properties	3
6.5 Surface conditions	4
6.6 Internal soundness	4
6.7 Dimensions and tolerances on dimensions, shape and mass	4
7 Inspection	4
8 Sampling — Frequency of testing	4
8.1 Verification	4
8.2 Test units	4
9 Test methods	4
10 Marking	4
Annex A (normative) Steel grades S275, S355, S420 and S460: Chemical composition and mechanical properties	5
Annex B (normative) Steel grades SG245, SG290, SG325, SG345, SG365, SG415 and SG460: Chemical composition and mechanical properties	15
Bibliography	17

This is a preview of "ISO 630-3:2012". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 630-3 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 3, *Steels for structural purposes*.

This first edition cancels and replaces ISO 630:1995, which has been technically revised. It incorporates ISO 630:1995/Amd 1:2003.

ISO 630 consists of the following parts, under the general title *Structural steels*:

- *Part 1: General technical delivery conditions for hot-rolled products*
- *Part 2: Technical delivery conditions for structural steels for general purposes*
- *Part 3: Technical delivery conditions for fine-grain structural steels*
- *Part 4: Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates*

The following parts are under preparation:

- *Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance*
- *Part 6: Technical delivery conditions for seismic improved structural steels for building*