
**Steel flat products for pressure
purposes — Technical delivery
conditions —**

**Part 7:
Stainless steels**

*Produits plats en acier pour service sous pression — Conditions
techniques de livraison —*

Partie 7: Aciers inoxydables



Reference number
ISO 9328-7:2011(E)

© ISO 2011



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

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

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification and designation	1
5 Information to be supplied by the purchaser	2
5.1 Mandatory information	2
5.2 Options	2
5.3 Example for ordering	2
6 Requirements	2
6.1 Steelmaking process	2
6.2 Delivery condition	2
6.3 Chemical composition and chemical corrosion properties	2
6.4 Mechanical properties	3
6.5 Surface condition	3
6.6 Internal soundness	3
6.7 Post-weld heat treatment	3
6.8 Dimensions and tolerances	3
6.9 Calculation of mass	3
6.10 Physical properties	3
7 Inspection	3
7.1 Types of inspection and inspection documents	3
7.2 Tests to be carried out	3
7.3 Re-tests	4
8 Sampling	4
8.1 Frequency of testing	4
8.2 Selection and preparation of samples and test pieces	4
9 Test methods	4
10 Marking	4
Annex A (informative) Steel designations in accordance with this part of ISO 9328 and designation of comparable steel grades in national or regional standards	26
Annex B (normative) Guidelines for further treatment (including heat treatment) in fabrication	28
Annex C (informative) Post-weld heat treatment	32
Annex D (informative) Preliminary reference data for the tensile strength of austenitic-ferritic steels at elevated temperatures	34
Annex E (informative) Reference data on strength values for 1 % (plastic) creep strain and creep rupture	35
Annex F (informative) Reference data on mechanical properties of austenitic steels at room temperature and at low temperature	42
Annex G (informative) Reference data on some physical properties	44
Bibliography	49