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

**Part 4:
Nickel-alloy steels with specified low
temperature properties**

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

*Partie 4: Aciers alliés au nickel avec caractéristiques spécifiées à basse
température*

[ISO 9328-4:2018](https://standards.iteh.ai/catalog/standards/iso/6c8742fa-e03f-4646-bacf-d2d24962d398/iso-9328-4-2018)

<https://standards.iteh.ai/catalog/standards/iso/6c8742fa-e03f-4646-bacf-d2d24962d398/iso-9328-4-2018>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 9328-4:2018](https://standards.iteh.ai/catalog/standards/iso/6c8742fa-e03f-4646-bacf-d2d24962d398/iso-9328-4-2018)

<https://standards.iteh.ai/catalog/standards/iso/6c8742fa-e03f-4646-bacf-d2d24962d398/iso-9328-4-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
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
4.1 Classification	1
4.2 Designation	2
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	3
6.4 Mechanical properties	4
6.5 Surface condition	4
6.6 Internal soundness	4
6.7 Dimensions and tolerances on dimensions	4
6.8 Calculation of mass	4
7 Inspection	4
7.1 Types of inspection and inspection documents	4
7.2 Tests to be carried out	4
7.3 Retests, sorting and reprocessing	4
8 Sampling	5
9 Test methods	5
10 Marking	5
11 Handling	5
Annex A (normative) Chemical composition and mechanical properties of products delivered in accordance with European design codes	6
Annex B (normative) Chemical composition and mechanical properties of products delivered in accordance with ASME-type design codes	9
Annex C (informative) Steel designations in accordance with this document and designation of comparable steel grades in national or regional standards	11
Annex D (informative) Guidelines for heat treatment	12
Bibliography	13