ISO 16143-2:2014-05 (E)

Stainless steels for general purposes - Part 2: Corrosion-resistant semi-finished products, bars, rods and sections

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Designation 2

5 Information to be supplied by the purchaser 2

6 Classification of grades 3

7 Requirements 3
7.1 Manufacturing process 3
7.2 Delivery condition 3
7.3 Chemical composition 3
7.4 Susceptibility to intergranular corrosion 4
7.5 Mechanical properties 4
7.6 Surface quality 4
7.7 Internal soundness 5
7.8 Dimensions, tolerances on dimensions, and shape 5

8 Inspection, testing, and conformance of products 5
8.1 General 5
8.2 Inspection and testing procedures and types of inspection documents 5
8.3 Specific inspection and testing 6
8.4 Test methods 6
8.5 Retests 7

9 Marking 7

Annex A (informative) Guidelines for further treatment (including heat treatment) in fabrication 29

Annex B (informative) Designations of the steels given in Table 2 and of comparable grades covered in ASTM, EN, JIS, and GB Standards 34

Annex C (informative) Applicable dimensional standards 37

Bibliography 38