

ISO 16143-1:2014-05 (E)

Stainless steels for general purposes - Part 1: Corrosion-resistant flat products

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	4
7.8	Dimensions, tolerances on dimensions, and shape	4
7.9	Calculation of mass and tolerance of mass	5
8	Inspection, testing, and conformance of products	5
8.1	General	5
8.2	Inspection and testing procedures and types of inspection document	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		36
Annex B (informative) Designations of the steels given in Table 1 and of comparable grades covered in ASTM, EN, JIS, and GB standards		43
Annex C (informative) Comparison list of abbreviations for process route/surface finish of flat products given in Table 3 covered in ASTM and JIS standards		47
Annex D (informative) Applicable dimensional standards		49
Bibliography		50