DIN EN 10028-1:2017-10 (E)

Flat products made of steels for pressure purposes - Part 1: General requirements

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 6

4 Tolerances on dimensions 7

5 Calculation of mass 7

6 Classification and designation 7
6.1 Classification 7
6.2 Designation 8

7 Information to be supplied by the purchaser 8
7.1 Mandatory information 8
7.2 Options 9
7.3 Examples of ordering 9

8 Requirements 9
8.1 Steelmaking process 9
8.2 Delivery condition 9
8.3 Chemical composition 9
8.4 Mechanical properties 10
8.5 Surface condition 10
8.6 Internal soundness 10

9 Inspection 10
9.1 Types of inspection and inspection documents 10
9.2 Tests to be carried out 11
9.3 Retests, sorting and reprocessing 13

10 Sampling 13
10.1 Frequency of testing 13
10.2 Selection and preparation of samples and test pieces 13

11 Test methods 18
11.1 Chemical analysis 18
11.2 Tensile test at room temperature 18
11.3 Tensile test at elevated temperature 18
11.4 Impact test 18
11.5 Other testing 19

12 Marking 19

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU 22