

DIN EN 10273:2016-10 (E)

Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties

Contents		Page
European foreword		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		6
4 Dimensions and tolerances on dimensions		6
5 Calculation of mass		6
6 Classification and designation		7
6.1 Classification		7
6.2 Designation		7
7 Information to be supplied by the purchaser		7
7.1 Mandatory information		7
7.2 Options		7
7.3 Examples for ordering		8
8 Requirements		8
8.1 Steelmaking process		8
8.2 Delivery condition		8
8.3 Chemical composition		9
8.4 Mechanical properties		9
8.5 Surface condition		9
8.6 Internal soundness		9
8.7 Weldability		9
9 Inspection		10
9.1 Types of inspection and inspection documents		10
9.2 Tests to be carried out		10
9.3 Retests, sorting and reprocessing		10
10 Sampling		11
10.1 Frequency of testing		11
10.2 Selection and preparation of samples and test pieces		11
11 Test methods		11
11.1 Chemical analysis		11
11.2 Tensile test at room temperature		12
11.3 Tensile test at elevated temperature		12
11.4 Impact test		12
11.5 Other testing		13
12 Marking		13

Annex A (informative) Guidelines for heat treatment.....	24
Annex B (informative) Reference data on creep strain and creep rupture.....	25
Annex C (informative) Significant changes to the previous version EN 10273:2007.....	28
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2014/68/EU	29
Bibliography	30