ISO 630-4:2021 (E)

Structural steels — Part 4: Technical delivery conditions for high yield strength quenched and tempered structural steel plates and wide flats

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Classification and designation

- 4.1 Classification
- 4.2 Designation (grades and qualities)
- 4.3 Normative annexes

5 Information to be supplied by the purchaser

- 5.1 Mandatory information
- 5.2 Options

6 Requirements

- 6.1 Steelmaking process
- 6.2 Delivery condition
- 6.3 Chemical composition
- 6.3.1 Heat analysis
- 6.3.2 Product analysis
- 6.3.3 Carbon equivalent value
- 6.4 Mechanical properties
- 6.4.1 Tensile properties
- 6.4.2 Charpy V#notch impact properties
- 6.5 Surface condition
- 6.6 Internal soundness
- 6.7 Dimensions, tolerances on dimensions and shape, mass

7 Inspection

8 Sampling – Frequency of testing

- 8.1 Verification
- 8.2 Test units
- 8.2.1 Annex A
- 8.2.2 Annex B

9 Test methods

10 Marking

Annex A (normative) Steel grades S460Q, S500Q, S550Q, S620Q, S690Q, S890Q and S960Q: Chemical composition and mechanical properties

Annex B (normative) Steel grades SG460Q, SG500Q, and SG700Q: Chemical composition and mechanical properties

Page count: 14