

ISO 630-3:2021 (E)

Structural steels — Part 3: Technical delivery conditions for fine-grain structural steels

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 S275, S355, S390, S420, S460 and S500: Chemical composition and mechanical properties
Annex B	(normative) Steel grades SG245, SG290, SG325, SG345, SG365, SG415 and SG460: Chemical composition and mechanical properties