

ISO 6435:2024-04 (E)

Stainless steel bars for the reinforcement of concrete

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Dimensions, mass per unit length and permissible deviations	2
6	Requirements for ribs	5
7	Chemical composition	5
8	Mechanical properties	7
8.1	Tensile properties	7
8.2	Bending properties	9
8.3	Rebending properties after ageing	9
8.4	Impact properties on austenitic-ferritic steels	9
8.5	Magnetic permeability	10
8.6	Corrosion resistance properties	10
9	Testing	10
9.1	Tensile test	10
9.2	Bend test	10
9.3	Rebend test	10
9.4	Chemical composition	11
9.5	Impact property test	11
9.6	Magnetic permeability	11
9.7	Corrosion resistance test	11
10	Designation	11
11	Marking	11
11.1	Marking on bars	11
11.2	Identification of bundles	12
12	Testing and inspection	12
12.1	General	12
12.2	Evaluation of conformity during production	12
12.3	Acceptance testing of a specific delivery	13
12.3.1	General	13
12.3.2	Evaluation of characteristic values	13
12.3.3	Evaluation of specified minimum/maximum values	15
12.3.4	Test report	15
Annex A (informative)	Options for agreement between the manufacturer and purchaser	16
Annex B (normative)	Corrosion resistant test	17
Annex C (informative)	Guidance on magnetic permeability	21
Bibliography		22