ISO 6935-2:2019-10 (E)

Steel for the reinforcement of concrete - Part 2: Ribbed bars

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols 3

5 Dimensions, mass per unit length and permissible deviations 4

6 Requirements for ribs 5

7 Chemical composition 8

8 Mechanical properties 10
8.1 Tensile properties 10
8.2 Bending properties 12
8.3 Rebending properties after ageing 12
8.4 Fatigue properties 12

9 Testing 13
9.1 Tensile test 13
9.2 Conditions of testing 13
9.3 Bend test 13
9.4 Rebend test 13
9.5 Fatigue test 14
9.6 Chemical composition 14

10 Designation 14

11 Marking 14
11.1 Marking on bars 14
11.2 Identification of bundles 15

12 Evaluation of conformity 15
12.1 General 15
12.2 Evaluation of conformity during production 15
12.3 Acceptance testing of a specific delivery 16
12.3.1 General 16
12.3.2 Evaluation of characteristic values 16
12.3.3 Evaluation of specified minimum/maximum values 18
12.3.4 Test report 18

Annex A (informative) Five examples of marking systems for ribbed bars 19

Annex B (informative) Options for agreement between the manufacturer and purchaser 24

Bibliography 25