DIN EN ISO 2702:2023-03 (E)

Fasteners - Heat treated tapping screws - Mechanical and physical properties (ISO 2702:2022)

Contents

Page

European foreword 3

Foreword 4

1 Scope 5

2 Normative references 5

3 Termsanddefinitions 5

4 Materials 5

5 Mechanical and physical properties 6
5.1 General 6
5.2 Surface hardness 6
5.3 Case-hardened depth 6
5.4 Core hardness 7
5.5 Microstructure 7
5.6 Thread-forming ability 7
5.7 Torsional strength 7
5.8 Ductility 7

6 Test methods 8
6.1 General 8
6.2 Surface hardness test 8
6.3 Case-hardened depth determination 8
6.4 Core hardness test 9
6.5 Microstructure test 10
6.6 Drive test 10
6.7 Torsional test 11
6.8 Ductility test 12

7 Inspection 13
7.1 Manufacturer's inspection 13
7.2 Supplier's inspection 13
7.3 Purchaser's inspection 14
7.4 Delivery of test results 14

8 Marking and labelling 14
8.1 General 14
8.2 Marking on screws 14
8.3 Marking on packages (labelling) 14

Bibliography 15