

DIN EN ISO 3506-4:2026-06 (E)

Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 4: Tapping screws with specified grades and hardness classes (ISO 3506-4:2025)

Contents		Page
Foreword.....		iv
Introduction.....		vi
1 Scope.....		1
2 Normative references.....		1
3 Terms and definitions.....		1
4 Designation system for stainless steel grades and hardness classes.....		2
4.1 General.....		2
4.2 Designation of stainless steel grades (first block).....		4
4.3 Designation of hardness classes (second block).....		4
5 Materials.....		4
5.1 Chemical composition.....		4
5.2 Heat treatment for martensitic stainless steel tapping screws.....		5
5.3 Surface condition (finish and/or coating).....		5
5.4 Corrosion resistance.....		6
5.5 Magnetic properties.....		6
6 Requirements for mechanical, physical and functional properties.....		6
6.1 General.....		6
6.2 Surface hardness for martensitic grades.....		6
6.3 Core hardness.....		7
6.4 Thread forming ability.....		7
6.5 Torsional strength.....		7
7 Inspection.....		8
7.1 Manufacturer's inspection.....		8
7.2 Supplier's inspection.....		8
7.3 Purchaser's inspection.....		8
7.4 Delivery of test results.....		8
8 Test methods.....		8
8.1 General.....		8
8.2 Hardness test.....		9
8.2.1 General.....		9
8.2.2 Surface hardness test.....		9
8.2.3 Core hardness test.....		9
8.2.4 Test results and requirements.....		9
8.3 Drive test.....		10
8.4 Torsional test.....		10
9 Marking and labelling.....		11
9.1 General.....		11
9.2 Marking on the tapping screws.....		12
9.3 Labelling of the packages.....		12
Bibliography.....		13