

ISO 3506-4:2009-11 (E)

Mechanical properties of corrosion-resistant stainless steel fasteners - Part 4: Tapping screws

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Designation, marking and finish	2
3.1	Designation	2
3.2	Marking	3
3.3	Finish	4
4	Chemical composition	4
5	Mechanical properties	5
5.1	General	5
5.2	Surface hardness	5
5.3	Core hardness	6
5.4	Torsional strength	6
5.5	Thread forming capability	6
6	Test methods	6
6.1	Surface hardness test	6
6.2	Core hardness test	6
6.3	Torsional strength test	6
6.4	Drive test	8
Annex A (normative)	Description of the groups and grades of stainless steels	9
Annex B (informative)	Stainless steel for cold heading and extruding	12
Annex C (informative)	Austenitic stainless steels with particular resistance to chloride induced stress corrosion	14
Annex D (informative)	Time-temperature diagram of intergranular corrosion in austenitic stainless steels, grade A2 (18/8 steels)	15
Annex E (informative)	Magnetic properties for austenitic stainless steels	16
Bibliography		17