

ISO 898-5:2012-06 (E)

Mechanical properties of fasteners made of carbon steel and alloy steel - Part 5: Set screws and similar threaded fasteners with specified hardness classes - Coarse thread and fine pitch thread

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	2
5	Designation system	3
6	Materials	3
7	Mechanical and physical properties	4
8	Applicability of test methods	5
8.1	Manufacturer's inspection	5
8.2	Supplier's inspection	5
8.3	Purchaser's inspection	5
9	Test methods	6
9.1	Hardness test	6
9.2	Decarburization test	7
9.3	Carburization test	10
9.4	Proof torque test for hexagonal socket set screws and hexalobular socket set screws of hardness class 45H	11
10	Marking	13
10.1	General	13
10.2	Manufacturer's identification mark	13
10.3	Marking set screws with hardness class	13
10.4	Marking of packages	13
Annex A (informative) Hydrogen embrittlement relief after electroplating of set screws		14
Bibliography		15