

DIN EN ISO 7539-11:2015-03 (E)

Corrosion of metals and alloys - Stress corrosion cracking - Part 11: Guidelines for testing the resistance of metals and alloys to hydrogen embrittlement and hydrogen-assisted cracking (ISO 7539-11:2013)

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Factors to be considered in hydrogen embrittlement and hydrogen-assisted cracking testing	4
3.1	Dynamic plastic straining	4
3.2	Test time and hydrogen uptake	5
3.3	Temperature	5
4	Selection of test method	6
4.1	General	6
4.2	Specimen type	6
4.3	Test duration	6
4.4	Load form	11
4.5	Pre-charging and hydrogen effusivity	15
4.6	Testing of welds	15
5	Post-test evaluation	16
Bibliography		18