ISO/TR 17641-3 :2005-03 (E)

Destructive tests on welds in metallic materials_- Hot cracking tests for weldments_- Arc welding processes_- Part_3: Externally loaded tests

Contents

page

Foreword v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols, designations and units 1

5 Principle 2

6 Description of the tests 4
6.1 Hot tensile test 4
6.1.1 General 4
6.1.2 Specimen size 4
6.1.3 Protective atmosphere 5
6.1.4 Test procedure 5
6.1.5 Test results 5
6.2 Principles of the Varestraint and Transvarestraint tests 6
6.2.1 General principles 6
6.2.2 Specimen size 9
6.2.3 Test procedure 9
6.2.4 Test results 9
6.3 Flat tensile test 11
6.3.1 General 11
6.3.2 Specimen size 11
6.3.3 Test procedure 12
6.3.4 Test results 13

7 Test reports 14