

ISO 17641-2:2015-10 (E)

Destructive tests on welds in metallic materials - Hot cracking tests for weldments - Arc welding processes - Part 2: Self-restraint tests

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols, designations, and units	2
5	Principle	2
6	Description of the tests	3
6.1	T-joint weld cracking tests	3
6.1.1	General	3
6.1.2	Dimension of the test pieces	3
6.1.3	Preparation of the test pieces	5
6.1.4	Welding of the test pieces	5
6.1.5	Examination of the test piece	6
6.1.6	Test report	6
6.2	Weld metal tensile test	6
6.2.1	General	6
6.2.2	Test specimen	6
6.2.3	Examination of the test specimen	7
6.2.4	Test report	8
6.3	Longitudinal bend test	8
6.3.1	General	8
6.3.2	Test weld	8
6.3.3	Test specimen	8
6.3.4	Surface preparation	10
6.3.5	Testing	10
6.3.6	Examination of the test specimen	10
6.3.7	Test report	10
	Annex A (informative) Test report for T-joint weld cracking test	11
	Annex B (informative) Test report for weld metal tensile test	12
	Annex C (informative) Test report for longitudinal bend test	13