

ISO 15614-12:2004-08 (E)

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 12: Spot, seam and projection welding

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Preliminary welding procedure specification (pWPS)	2
5	Welding procedure test	2
6	Test piece	3
6.1	General	3
6.2	Shape and dimensions of test pieces and test specimens for destructive testing	3
6.2.1	General	3
6.2.2	Macrosection	3
6.3	Welding of components, test pieces or test specimens	3
7	Examination and testing	3
7.1	Extent of testing	3
7.2	Location and cutting of test specimens	5
7.3	Visual testing	5
7.4	Re-testing	5
8	Range of qualification	6
8.1	General	6
8.2	Related to the manufacturer	6
8.3	Related to the material	6
8.4	Common to all welding procedures	6
8.4.1	Welding process	6
8.4.2	Type of current	6
8.4.3	Welding cycle	6
8.4.4	Postweld heat treatment in the welding equipment	6
8.4.5	Type of weld equipment	7
8.4.6	Welding electrodes	7
9	Welding Procedure Qualification Record form (WPQR)	7
Annex ZA (normative)	Normative references to International publications with their relevant European publication	8
Bibliography		9