

DIN EN ISO 15614-1:2012-06 (E)

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004 + Amd 1:2008 + Amd 2:2012) (includes Amendments A1:2008 + A2: 2012)

Contents		Page
Introduction		5
1	Scope	5
2	Normative references	6
3	Terms and definitions	7
4	Preliminary welding procedure specification (pWPS)	7
5	Welding procedure test	7
6	Test piece	7
6.1	General	7
6.2	Shape and dimensions of test pieces	7
6.3	Welding of test pieces	8
7	Examination and testing	11
7.1	Extent of testing	11
7.2	Location and taking of test specimens	13
7.3	Non-destructive testing	17
7.4	Destructive testing	17
7.5	Acceptance levels	20
7.6	Re-testing	20
8	Range of qualification	21
8.1	General	21
8.2	Related to the manufacturer	21
8.3	Related to the parent material	21
8.4	Common to all welding procedures	25
8.5	Specific to processes	27
9	Welding procedure qualification record (WPQR)	28
Annex A (informative) Welding Procedure Qualification Record form (WPQR)		29
!Annex ZA (normative) Corresponding International and European Standards for which equivalents are not given in the text "		32
#Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Pressure Equipment Directive (PED) 97/23/EC\$		33
#Annex ZC (informative) Relationship between this European Standard and the Essential Requirements EU Simple Pressure Vessels Directive (SPVD) 2009/105/EC\$		34