ISO 15614-13:2012-07 (E)

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 13: Upset (resistance butt) and flash welding

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Preliminary welding procedure specification 2

5 Welding procedure test 3

6 Test pieces and test specimens 3
6.1 General 3
6.2 Shape and dimensions of test specimens 3
6.3 Welding of components, test pieces or test specimens 5

7 Testing and examination 5
7.1 Extent of testing 5
7.2 Non-destructive testing (NDT) 5
7.3 Destructive tests 6
7.4 Macrosection 6
7.5 Hardness distribution 6
7.6 Re-testing 6

8 Range of qualification 7
8.1 General 7
8.2 Related to the manufacturer 7
8.3 Related to the parent metal 7
8.4 Welding procedures 7
8.5 Test certificate 7

9 Welding procedure qualification record 7

Annex A (informative) Example of welding procedure qualification -- Test certificate 8

Annex B (informative) Example of welding procedure qualifications record form (WPQR) 9