ISO 9606-1:2012-07 (E)

Qualification testing of welders - Fusion welding - Part 1: Steels

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Reference numbers, symbols and abbreviated terms 4
4.1 General 4
4.2 Reference numbers of welding processes 4
4.3 Symbols and abbreviated terms 4

5 Essential variables and range of qualification 6
5.1 General 6
5.2 Welding processes 7
5.3 Product type 8
5.4 Type of weld 9
5.5 Filler material grouping 9
5.6 Filler material type 10
5.7 Dimensions 11
5.8 Welding positions 13
5.9 Weld details 15

6 Examination and testing 15
6.1 Examination 15
6.2 Test pieces 16
6.3 Welding conditions 18
6.4 Test methods 18
6.5 Test piece and test specimen 19
6.6 Test report 23

7 Acceptance requirements for test pieces 23

8 Re-tests 24

9 Period of validity 24
9.1 Initial qualification 24
9.2 Confirmation of the validity 24
9.3 Revalidation of welder qualification 24
9.4 Revocation of qualification 24

10 Welder's qualification test certificate 25

11 Designation 25

Annex A (informative) Welder's qualification test certificate 27

Annex B (informative) Job knowledge 28

Annex C (informative) FW/BW test assembly option 31

Bibliography 32