ISO 15610:2024-03 (E)

Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **2**

3 Terms and definitions ... **2**

4 Limits of the application of this document ... **2**

4.1 Limits related to the welded joint ... 2

4.1.1 Parent material ... 2

4.1.2 Parent material thickness, *t* ... 3

4.1.3 Fillet weld throat thickness, *a* ... 3

4.2 Limits common to all welding processes ... 3

4.2.1 Multiple-process welding procedures ... 3

4.2.2 Welding positions ... 3

4.2.3 Welding consumables ... 3

4.2.4 Type of current ... 3

4.3 Limits specific for the welding process ... 3

4.3.1 Processes 131, 132, 133, 135, 136 and 138 ... 3

4.3.2 Processes 141 and 15 ... 3

4.3.3 Process 121 ... 3

5 Preliminary welding procedure specification (pWPS) ... **4**

6 Qualification of the pWPS ... **4**

7 Welding procedure qualification record (WPQR) ... **4**

Annex A (informative) **Example of a WPQR form** ... **5**

Bibliography ... **6**