ISO 7661:2024-10 (E)

Aerospace fluid systems - Clamp blocks for tube lines having axial alignment - Design requirements and qualification testing (metric series)

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Classification of clamp blocks **3**

5 Dimensions of clamp blocks **4**
5.1 Maximum height 4
5.2 Nominal radius 4
5.3 Width of removable parts 4
5.4 Clamp block bolt spacing 5
5.4.1 Modular clamp block 5
5.4.2 Monobloc clamp block 5

6 Temperature conditions **5**

7 Qualification tests **5**
7.1 Electrical tests (for clamp blocks with electrical grounding) 5
7.1.1 Measurement of the electrical contact resistance 5
7.2 Mechanical tests 6
7.2.1 Sliding test under temperature 6
7.2.2 Sliding test combined with contamination 7
7.2.3 Vibration test 8
7.3 Climatic tests 9
7.3.1 General 9
7.3.2 Low temperature test 9
7.3.3 High temperature test 9
7.3.4 Salt spray test 9
7.4 Flame resistance test 9
7.4.1 General 9
7.4.2 Test apparatus 9
7.4.3 Test procedure 10
7.4.4 Acceptance criteria 10

Bibliography **12**