ISO 1161:2026-10 (E)

Series 1 freight containers - Corner and intermediate fittings - Specifications

Contents

Page

Foreword iv
Introduction v
1 Scope 1
2 Normative references 1
3 Terms and definitions 1
4 Dimensional requirements 1
4.1 General 1
4.2 Detailed dimensional and manufacturing requirements 2
5 Strength requirements 2
6 Design requirements 3
6.1 Loading 3
6.1.1 General 3
6.1.2 Design loads 3
6.1.3 Lifting and tipping 3
6.1.4 Longitudinal restraint 3
6.1.5 Vertical restraint (compression only) 4
6.1.6 Lashing and securing 4
6.1.7 Misgather (offset loading) 4
6.2 Compulsory features 4
7 Minimum bearing area -- top and bottom corner and intermediate fittings 5
8 Corner and intermediate fitting marking 5
9 Required prototype tests 5
9.1 General 5
9.2 Casting defect checks 5
9.3 Tests 5
9.3.1 General 5
9.3.2 Top fitting stacking test 5
9.3.3 Top intermediate fitting stacking test 6
9.3.4 Bottom fitting stacking test 6
9.3.5 Bottom intermediate fitting stacking test 6
9.3.6 Twistlock lifting and tipping test 6
9.3.7 Cargo hook lifting test 6
9.3.8 Cargo hook lifting test 2 6
9.3.9 Impact test 6
9.3.10 Lashing bar test 7
9.3.11 Misgather test 7
9.3.12 Longitudinal securing test 7
10 Required sample production line tests 7
10.1 Casting defect checks 7
10.2 Tests 7
Annex A (normative) Testing methodology 13
Annex B (informative) Typical examples of twistlock lifting devices 18
Annex C (informative) Chemical composition of container corner fittings 20
Bibliography 21