ISO 21130:2019 (E)

Ships and marine technology — Major components of emergency towing arrangements

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Technical requirements

- 4.1 Major components of ETA
- 4.2 Design arrangement of ETA
- 4.3 Design and manufacturing requirements for major components
- 4.3.1 Minimum strength requirement for ETA components
- 4.3.2 Strength requirement for other parts
- 4.3.3 Bow ETA
- 4.3.3.1 Fairlead
- 4.3.3.2 Chafing chain
- 4.3.3.3 Chain stopper
- 4.3.3.4 Pedestal roller
- 4.3.4 Stern ETA
- 4.3.4.1 Pick-up gear
- 4.3.4.2 Towing rope
- 4.3.4.3 Fairlead
- 4.3.4.4 Strong point
- 4.3.4.5 Storage container of the pick-up gear
- 4.3.4.6 Storage winch

5 Test method

- 5.1 Bow ETA
- 5.1.1 Prototype strength test for the bow ETA
- 5.1.2 Fairlead
- 5.1.3 Chain stopper
- 5.1.4 Chafing chain
- 5.1.5 Pedestal roller
- 5.2 Stern ETA
- 5.2.1 Strength test for the stern ETA
- 5.2.2 Fairlead
- 5.2.3 Towing rope
- 5.2.4 Stopper ring
- 5.2.5 Strong point
- 5.2.6 Storage container for the pick-up gear
- 5.2.7 Storage winch
- 5.3 Function test

Annex A (informative) Type and dimensions of a fairlead

Annex B (informative) Chemical composition and mechanical properties of steel barsfor ship anchor chains

Annex C (informative) Types and dimensions of chafing chains

Annex D (informative) Types and dimensions of chain stoppers

Annex E (informative) Type and dimensions of a towing rope

Annex F (informative) Types and dimensions of fairleads/strong points

Page count: 19