# ISO 6218:2019 (E)

## Inland navigation vessels — Manually- and power-operated coupling devices for rope connections of pushing units and coupled vessels — Safety requirements and main dimensions

# Contents


Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Safety requirements

- 4.1 General
- 4.1.1 Components
- 4.1.2 General requirements
- 4.2 Limitation of the actuating power for power-operated coupling devices
- 4.3 Strength requirements

5 Models

- 5.1 Operation
- 5.2 Position of handwheel/motor
- 5.3 With or without tensioning device

6 Design

- 6.1 Rope drum
- 6.1.1 Drum capacity
- 6.1.2 Drum diameter
- 6.1.3 Rope fastening
- 6.2 Handwheel
- 6.2.1 Clearances
- 6.2.2 Construction
- 6.2.3 Handhold
- 6.3 Power-operated equipment
- 6.4 Combined operating modes
- 6.5 Arresting device
- 6.5.1 General
- 6.5.2 Arresting devices for manually operated coupling devices
- 6.5.3 Arresting devices for power-operated coupling devices
- 6.6 Protective device
- 6.7 Footbrakes for manually operated coupling devices
- 6.8 Brakes for power-operated coupling devices
- 6.9 Gears
- 6.10 Tensioning device for manually operated coupling systems
- 6.11 Change gear for manually operated coupling devices
- 6.12 Foundation
- 6.13 Guide track

7 Dimensions and characteristic values

- 7.1 General
- 7.2 Characteristic values
- 7.3 Main dimensions of the coupling device
- 7.3.1 Manually operated coupling device
- 7.3.2 Power-operated coupling devices
- 7.4 Foundation

8 Material

9 Operating instructions and assembly instructions

9.1 General
9.2 Assembly instructions
9.3 Operating instructions

10 Designation — Examples

11 Marking

Annex A (normative) Individual and type testing

A.1 Selection of samples for type testing
A.2 Visual examination
A.3 Loading test
A.3.1 General
A.3.2 Test for manually operated coupling devices
A.3.3 Test for power-operated coupling devices

Page count: 15