

ISO 4862:2023-06 (E)

Ships and marine technology - Winches for trailing suction hopper dredger

Contents		Page
	Foreword	iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Types	2
5	Design and operation	3
	5.1 General requirements.....	3
	5.2 Material stress.....	3
	5.3 Strength requirements.....	3
	5.3.1 Rated load.....	3
	5.3.2 Maximum load.....	3
	5.4 Operating device.....	3
	5.5 Brake device.....	3
	5.6 Drum design.....	3
	5.6.1 Design reference steel wire rope.....	3
	5.6.2 Drum diameter.....	4
	5.6.3 Drum capacity.....	4
	5.6.4 Drum length.....	4
	5.6.5 Drum flange height.....	4
	5.7 Drive device.....	4
	5.8 Auxiliary device.....	4
6	Performance	4
7	Acceptance test	5
	7.1 General.....	5
	7.2 No-load test.....	5
	7.3 Rated load test.....	5
	7.4 Maximum load test.....	5
	7.5 Check items during testing.....	5
8	Designation	5
	8.1 Model designation.....	5
	8.2 Examples.....	6
9	Marking	6