

# ISO 9089:2019-07 (E)

## Marine structures - Mobile offshore units - Mooring positioning windlasses and winches

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Classification of mooring positioning windlasses and winches .....	3
5	Functional and operational requirements .....	3
5.1	General .....	3
5.2	No-load .....	3
5.3	Nominal load .....	3
5.4	Nominal speed .....	3
5.5	Stalling load .....	3
5.6	Static braking .....	4
5.7	Automatic braking .....	4
5.8	Emergency release .....	4
5.9	Anchor deployment (anchor dropping) speed limitation .....	5
5.10	Anchor line length, speed and tension measurement .....	5
5.11	Chain or wire rope stoppers .....	5
5.12	Ratchet mechanisms .....	5
5.13	Operating system .....	5
6	Design and construction .....	6
6.1	General .....	6
6.2	Mooring anchor lines .....	6
6.3	Cable-lifters .....	6
6.4	Drums .....	7
6.5	Friction winch drums .....	7
6.6	Warping ends .....	7
6.7	Anchor line guides .....	7
6.8	Gears .....	8
6.9	Drive equipment .....	9
6.10	Strength requirements .....	9
7	Test methods .....	9
7.1	General .....	9
7.2	Test conditions .....	10
7.3	No-load test .....	10
7.4	Nominal load test .....	10
7.5	Nominal speed test .....	10
7.6	Stalling load .....	10
7.7	Static braking load .....	10
7.8	Automatic braking .....	10
7.9	Anchor deployment (anchor dropping) speed limitation .....	10
7.10	Length, speed and tension calibration .....	11
7.11	Chain or wire rope stoppers .....	11
7.12	Ratchet mechanisms .....	11
7.13	Operating systems .....	11

<b>8</b>	<b>Designation .....</b>	<b>11</b>
<b>8.1</b>	<b>Nominal sizes .....</b>	<b>11</b>
<b>8.2</b>	<b>Labelling .....</b>	<b>11</b>
<b>8.2.1</b>	<b>Model designation .....</b>	<b>11</b>
<b>8.2.2</b>	<b>Example .....</b>	<b>12</b>
<b>9</b>	<b>Marking .....</b>	<b>12</b>
<b>10</b>	<b>Documentation .....</b>	<b>12</b>
<b>10.1</b>	<b>Workshop certificate .....</b>	<b>12</b>
<b>10.2</b>	<b>Instructions for use and maintenance .....</b>	<b>12</b>