

# DIN EN ISO 8666:2021-04 (E)

## Small craft - Principal data (ISO 8666:2020)

---

<b>Contents</b>		<b>Page</b>
<b>European foreword</b> .....		<b>4</b>
<b>Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2013/53/EU aimed to be covered</b> .....		<b>5</b>
<b>Foreword</b> .....		<b>7</b>
<b>1</b>	<b>Scope</b> .....	<b>8</b>
<b>2</b>	<b>Normative references</b> .....	<b>8</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>8</b>
<b>4</b>	<b>Symbols, designations and units</b> .....	<b>10</b>
<b>5</b>	<b>Measurements</b> .....	<b>11</b>
5.1	General .....	11
5.2	Longitudinal .....	11
5.2.1	General .....	11
5.2.2	Maximum length, $L_{\max}$ .....	11
5.2.3	Length of the hull, $L_H$ .....	11
5.2.4	Waterline length, $L_{WL}$ .....	14
5.3	Athwartship .....	15
5.3.1	General .....	15
5.3.2	Maximum beam, $B_{\max}$ .....	15
5.3.3	Beam of hull, $B_H$ .....	15
5.3.4	Beam, waterline, $B_{WL}$ .....	15
5.3.5	Maximum beam, waterline, $B_{WL\max}$ .....	15
5.3.6	Beam between hull centres, $B_{CB}$ .....	15
5.4	Vertical .....	16
5.4.1	Maximum depth, $D_{\max}$ .....	16
5.4.2	Midship depth, $D_{LWL/2}$ .....	16
5.4.3	Freeboard, $F$ .....	17
5.4.4	Draught, $T$ .....	17
5.4.5	Draught, air, $H_a$ .....	17
5.4.6	Headroom .....	18
5.5	Other data .....	18
5.5.1	Deadrise angle, $\beta$ .....	18
5.5.2	Reference sail area, $A_S$ .....	19
5.5.3	Standard sail area, $A'_S$ .....	19
5.5.4	Windage area, $A_{IV}$ .....	19
5.5.5	Volume of the craft, $V$ .....	19
<b>6</b>	<b>Masses</b> .....	<b>20</b>
6.1	Mass, net shipping, $m_N$ .....	20
6.2	Mass, gross shipping, $m_G$ .....	20
6.3	Mass, light craft, $m_{LC}$ .....	21
6.3.1	Items of equipment included in $m_{LC}$ .....	21
6.3.2	Items of equipment and other items not included in $m_{LC}$ .....	22
6.4	Performance test mass, $m_P$ .....	22

6.5	Mass of the craft when towed on a trailer, $m_T$ .....	23
6.5.1	General.....	23
6.5.2	Items of equipment included in $m_T$ .....	23
6.5.3	Items of equipment not included in $m_T$ .....	25
6.5.4	Exclusions, inclusions.....	25
6.6	Maximum load, $m_{ML}$ .....	25
<b>7</b>	<b>Loading conditions</b> .....	<b>26</b>
7.1	Test condition.....	26
7.2	Ready-for-use condition.....	26
7.3	Fully loaded ready-for-use condition .....	26
7.4	Empty craft condition .....	26
7.5	Light craft condition.....	27
7.6	Minimum operating condition.....	28
7.7	Loaded arrival condition .....	28
7.8	Maximum load condition .....	28
<b>8</b>	<b>Tolerances</b> .....	<b>28</b>
8.1	Published data.....	28
8.2	Preliminary specification.....	29
8.3	Reference lengths .....	29
	<b>Bibliography</b> .....	<b>30</b>