

DIN EN ISO 8666:2021-04 (E)

Small craft - Principal data (ISO 8666:2020)

Contents	Page
European foreword	4
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2013/53/EU aimed to be covered	5
Foreword	7
1 Scope	8
2 Normative references	8
3 Terms and definitions	8
4 Symbols, designations and units	10
5 Measurements	11
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, β	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
6 Masses	20
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
7	Loading conditions	26
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
8	Tolerances	28
8.1	Published data.....	28
8.2	Preliminary specification.....	29
8.3	Reference lengths	29
	Bibliography	30