

This is a preview of "ISO 8666:2020". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2020-10

Small craft — Principal data

Petits navires — Données principales



Reference number
ISO 8666:2020(E)

© ISO 2020



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 8666:2020". Click here to purchase the full version from the ANSI store.

Contents

	Page
Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols, designations and units	3
5 Measurements	4
5.1 General.....	4
5.2 Longitudinal.....	4
5.2.1 General.....	4
5.2.2 Maximum length, L_{\max}	4
5.2.3 Length of the hull, L_H	4
5.2.4 Waterline length, L_{WL}	7
5.3 Athwartship.....	8
5.3.1 General.....	8
5.3.2 Maximum beam, B_{\max}	8
5.3.3 Beam of hull, B_H	8
5.3.4 Beam, waterline, B_{WL}	8
5.3.5 Maximum beam, waterline, $B_{WL\max}$	8
5.3.6 Beam between hull centres, B_{CB}	8
5.4 Vertical.....	9
5.4.1 Maximum depth, D_{\max}	9
5.4.2 Midship depth, $D_{LWL/2}$	9
5.4.3 Freeboard, F	10
5.4.4 Draught, T	10
5.4.5 Draught, air, H_a	10
5.4.6 Headroom.....	11
5.5 Other data.....	11
5.5.1 Deadrise angle, β	11
5.5.2 Reference sail area, A_S	12
5.5.3 Standard sail area, A'_S	12
5.5.4 Windage area, A_{IV}	12
5.5.5 Volume of the craft, V	12
6 Masses	13
6.1 Mass, net shipping, m_N	13
6.2 Mass, gross shipping, m_G	13
6.3 Mass, light craft, m_{LC}	14
6.3.1 Items of equipment included in m_{LC}	14
6.3.2 Items of equipment and other items not included in m_{LC}	15
6.4 Performance test mass, m_P	15
6.5 Mass of the craft when towed on a trailer, m_T	16
6.5.1 General.....	16
6.5.2 Items of equipment included in m_T	16
6.5.3 Items of equipment not included in m_T	18
6.5.4 Exclusions, inclusions.....	18
6.6 Maximum load, m_{ML}	18
7 Loading conditions	19
7.1 Test condition.....	19
7.2 Ready-for-use condition.....	19
7.3 Fully loaded ready-for-use condition.....	19
7.4 Empty craft condition.....	19
7.5 Light craft condition.....	20
7.6 Minimum operating condition.....	21

This is a preview of "ISO 8666:2020". [Click here to purchase the full version from the ANSI store.](#)

7.7	Loaded arrival condition	21
7.8	Maximum load condition	21
8	Tolerances	21
8.1	Published data	21
8.2	Preliminary specification	22
8.3	Reference lengths	22
	Bibliography	23

This is a preview of "ISO 8666:2020". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 188, *Small craft*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 464, *Small craft*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 8666:2016), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- the document has been aligned to the latest edition of the ISO/IEC Directives, Part 2, resulting in the addition of Clause 2, Normative references, and the renumbering of the remaining clauses; all cross-references have been accordingly updated;
- the “allowance for the maximum mass of optional equipment and fittings not included in the manufacturer’s basic outfit” has been moved from 6.6 (Maximum load, former 5.6) to 7.8 (Maximum load condition, former 6.8).

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.