

DIN EN ISO 12215-1



ICS 47.080

Supersedes
DIN EN ISO 12215-1:2001-02

**Small craft –
Hull construction and scantlings –
Part 1: Materials: Thermosetting resins, glass-fibre reinforcement,
reference laminate (ISO 12215-1:2000);
English version EN ISO 12215-1:2018,
English translation of DIN EN ISO 12215-1:2019-05**

Kleine Wasserfahrzeuge –
Rumpfbauweise und Dimensionierung –
Teil 1: Werkstoffe: Härtbare Harze, Verstärkungsfasern aus Textilglas, Referenzlaminat
(ISO 12215-1:2000);
Englische Fassung EN ISO 12215-1:2018,
Englische Übersetzung von DIN EN ISO 12215-1:2019-05

Petits navires –
Construction de coques et échantillons –
Partie 1: Matériaux: Résines thermodurcissables, renforcement de fibres de verre, stratifié de
référence (ISO 12215-1:2000);
Version anglaise EN ISO 12215-1:2018,
Traduction anglaise de DIN EN ISO 12215-1:2019-05

Document comprises 15 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

The text of ISO 12215-1:2000 has been prepared by Technical Committee ISO/TC 188 “Small craft” and has been taken over as EN ISO 12215-1:2018 by Technical Committee CEN/SS T01 “Shipbuilding and maritime structures” (Secretariat: CCMC).

The responsible German body involved in its preparation was *DIN-Normenstelle Schiffs- und Meerestechnik* (DIN Standards Committee Shipbuilding and Marine Technology), Working Committee NA 132-08-01 AA “Small craft”.

To take into account the new Directive 2013/53/EU on recreational craft and personal watercraft, Annex ZA has been modified at European level. This new edition EN ISO 12215-1:2018 contains this modification and an updated European foreword. ISO 12215-1:2000 contained therein remains unaffected.

The DIN documents corresponding to the international documents referred to in this document are as follows:

ISO 62:1999	DIN EN ISO 62:1999-08
ISO 75-1:1993	DIN EN ISO 75-1:1996-03
ISO 75-2:1993	DIN EN ISO 75-2:1996-03
ISO 178:1993	DIN EN ISO 178:1997-02
ISO 527-1	DIN EN ISO 527-1
ISO 527-4	DIN EN ISO 527-4
ISO 1675:1985	DIN EN ISO 1675:1998-10
ISO 1889:1997	DIN EN ISO 1889:1997-08
ISO 2078:1993	DIN EN ISO 2078:1994-12
ISO 2535:1997	DIN EN ISO 2535:1998-10
ISO 2555:1989	DIN EN ISO 2555:2000-01
ISO 2811-1:1997	DIN EN ISO 2811-1:2002-02
ISO 2884-1:1999	DIN EN ISO 2884-1:2006-09
ISO 3344:1997	DIN EN ISO 3344:1997-08
ISO 3521:1997	DIN EN ISO 3521:1999-10
ISO 8666	DIN EN ISO 8666
ISO 14130:1997	DIN EN ISO 14130:1998-02

Amendments

This standard differs from DIN EN ISO 12215-1:2001-02 as follows:

- a) the European foreword has been updated;
- b) Annex ZA has been revised;
- c) the standard has been editorially revised.

Previous editions

DIN EN ISO 12215-1: 2001-02

National Annex NA (informative)

Bibliography

DIN EN ISO 62:1999-08, *Plastics — Determination of water absorption (ISO 62:1999)*

DIN EN ISO 75-1:1996-03, *Plastics — Determination of temperature of deflection under load — Part 1: General test method (ISO 75-1:1993)*

DIN EN ISO 75-2:1996-03, *Plastics — Determination of temperature of deflection under load — Part 2: Plastics and ebonite (ISO 75-2:1993)*

DIN EN ISO 178:1997-02, *Plastics — Determination of tensile-impact strength (ISO 178:1993)*

DIN EN ISO 527-1, *Plastics — Determination of tensile properties — Part 1: General principles*

DIN EN ISO 527-4, *Plastics — Determination of tensile properties — Part 4: Test conditions for isotropic and anisotropic fibre-reinforced plastic composites*

DIN EN ISO 1675:1998-10, *Plastics — Liquid resins — Determination of density by the pyknometer method (ISO 1675:1985)*

DIN EN ISO 1889:1997-08, *Reinforcement yarns — Determination of linear density (ISO 1889:1997)*

DIN EN ISO 2078:1994-12, *Textile glass — Yarns — Designation (ISO 2078:1993)*

DIN EN ISO 2535:1998-10, *Plastics — Unsaturated polyester resins — Measurement of gel time at 25 °C (ISO 2535:1997)*

DIN EN ISO 2555:2000-01, *Plastics — Resins in the liquid state or as emulsions or dispersions — Determination of apparent viscosity by the Brookfield test method (ISO 2555:1989)*

DIN EN ISO 2811-1:2002-02, *Paints and varnishes — Determination of density — Part 1: Pyknometer method (ISO 811-1:1997)*

DIN EN ISO 2884-1:2006-09, *Paints and varnishes — Determination of viscosity using rotary viscometers — Part 1: Cone-and-plate viscometer operated at a high rate of shear (ISO 2884-1:1999)*

DIN EN ISO 3344:1997-08, *Reinforcement yarns — Determination of moisture content (ISO 3344:1997)*

DIN EN ISO 3521:1999-10, *Plastics — Unsaturated polyester and epoxy resins — Determination of overall volume shrinkage (ISO 3521:1997)*

DIN EN ISO 8666, *Small craft — Principal data*

DIN EN ISO 14130:1998-02, *Fibre reinforced plastic composites — Determination of apparent interlaminar shear strength by short beam-method (ISO 14130:1997)*

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