
International Standard 6047

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Shipbuilding — Inland vessels — Wooden hatch covers

Construction navale — Bateaux de navigation intérieure — Panneaux d'écoutes en bois

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FOREWORD

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6047 was developed by Technical Committee ISO/TC 8, *Shipbuilding*, and was circulated to the member bodies in November 1977.

It has been approved by the member bodies of the following countries :

Austria	India	Poland
Belgium	Ireland	Romania
Brazil	Italy	Spain
Chile	Japan	Turkey
Czechoslovakia	Korea, Dem. P. Rep. of	United Kingdom
Finland	Korea, Rep. of	USSR
France	Mexico	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Germany, F. R.
Netherlands



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Shipbuilding -- Inland vessels -- Wooden hatch covers

MODIFICATION TO FOREWORD (*Inside front cover*)

The ISO member body for the Netherlands has now modified its vote of disapproval of this International Standard into one of abstention. The Netherlands should therefore be deleted from the list of countries whose member bodies have approved the document.

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Shipbuilding — Inland vessels — Wooden hatch covers

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the design and the dimensions of the main elements of wooden hatch covers, together with the requirements for their fabrication and installation in a vessel.

Hatch covers specified in this International Standard are intended for protection of holds from penetration of water through cargo hatches on inland vessels.

2 CLASSIFICATION

Depending on the design of the covers and the beams on

which they rest, hatch covers are divided into two types :

- I — Light wooden hatch covers;
- II — Reinforced wooden hatch covers.

The type of cover is chosen by the shipowner for each individual vessel, based on navigation conditions and the cargo to be carried on the covers.

3 LIGHT HATCH COVERS (TYPE I)

3.1 Design

Type I covers are laid on detachable wooden beams resting on longitudinal carlings (see figure 1).

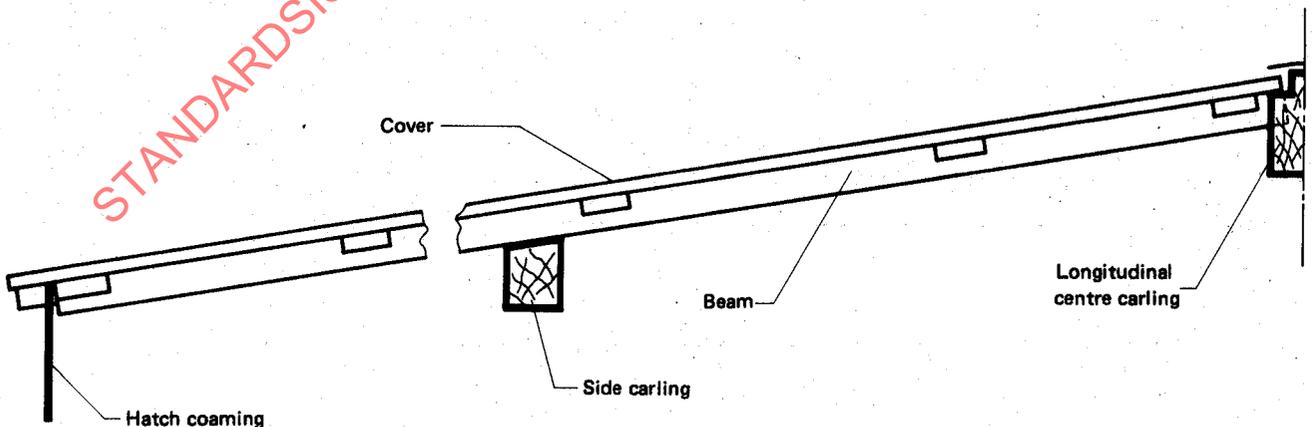


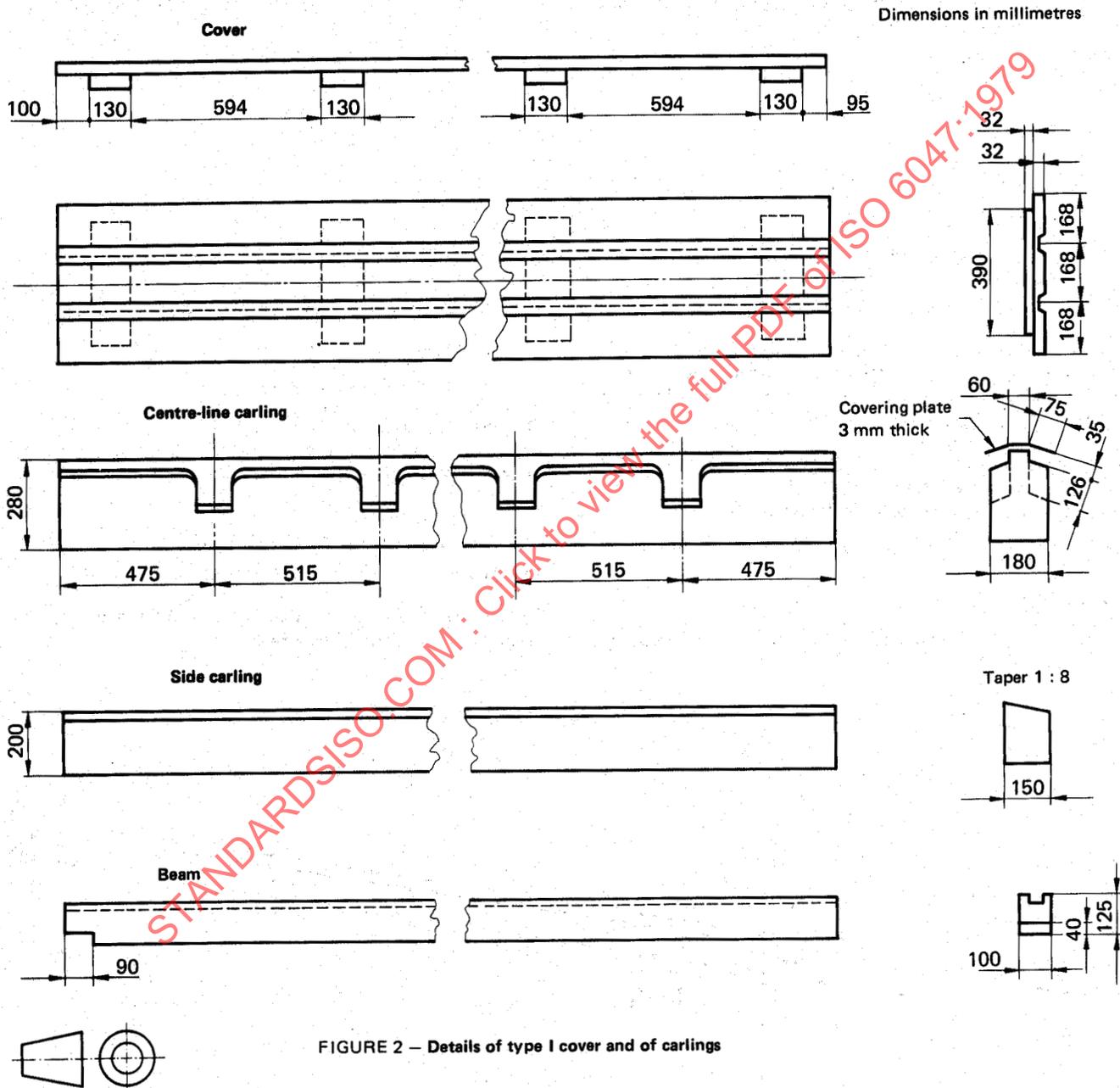
FIGURE 1 — General arrangement of type I cover (cross-section)

NOTE — The slope is not to scale.

3.2 Dimensions

The dimensions of the rectangular covers, support beams and other details of type I covers are shown in figure 2.

The shape and dimensions of covers laid in the corners of hatches are determined according to the shape of the hatch cut-out.



4 REINFORCED HATCH COVERS (TYPE II)

4.1 Design

4.1.1 Type II covers are laid on detachable metal beams (see figure 3).

4.1.2 The boards forming the cover shall be connected together by not less than three bolts.

4.1.3 The ends of the web plate of the detachable beam shall be reinforced on both sides, over a length of 180 mm with doubling plates having a thickness equal to that of the beam itself.

4.1.4 If covers join on a detachable beam, a vertical rib not less than 60 mm high shall be welded to the upper flange of the beam.

4.1.5 The length of the support surface of the carriers into which the detachable beams are laid shall be not less than 75 mm.

4.1.6 The detachable beams shall be fixed in place with a pin of diameter not less than 22 mm, inserted through the sides of the carrier and the beam web.

The pin shall be chained to the beam or to the coaming.

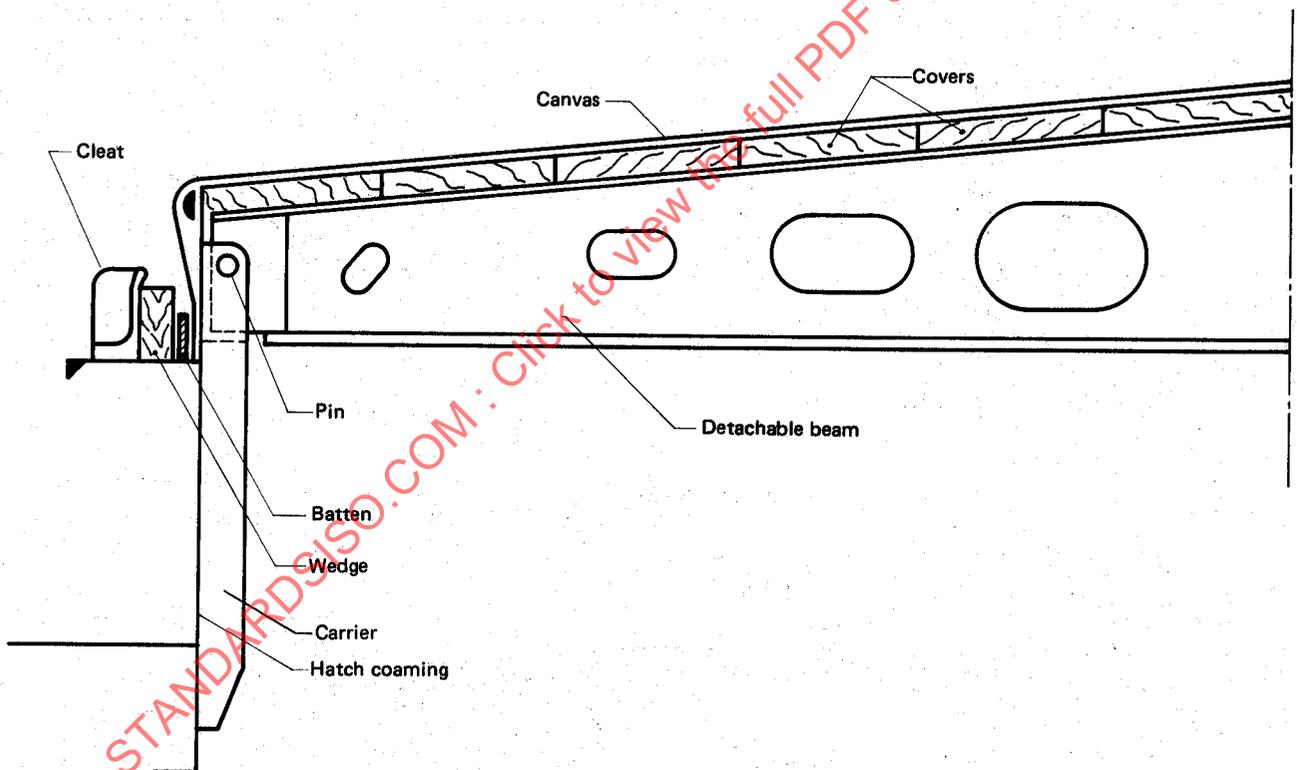


FIGURE 3 – General arrangement of type II cover (cross-section)

4.2 Dimensions

The principal dimensions of type II covers and detachable beams are shown in figure 4.

4.2.1 To ensure interchangeability, the length of covers shall preferably be 1,5 m and the width 0,5 m. The thickness of the cover shall be 60 mm for a length of 1,5 m.

