International Standard 5485/2

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

Shipbuilding — Inland vessels — Part 2 : Fixed steel deck stairs

Construction navale — Bateaux de navigation intérieure — Partie 2 : Échelles métalliques de pont stationnaires

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

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 5485/2 was developed by Technical Committee ISO/TC 8, *Shipbuilding*, and was circulated to the member bodies in February 1979.

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

Austria	Germany, F. R.	Poland
Belgium	India	Romania
Brazil	Italy	Spain
Bulgaria	Japan	United Kingdom
China	Korea, Dem. P. Rep. of	USSR
Czechoslovakia	Korea, Rep. of	Yugoslavia
Finland	Libyan Arab Jamahiriya	
France	Mexico	

The member body of the following country expressed disapproval of the document on technical grounds :

Netherlands

Printed in Switzerland

Shipbuilding — Inland vessels — Part 2 : Fixed steel deck stairs

1 Scope and field of application

This part of ISO 5485 specifies main dimensions of fixed steel deck stairs (hereafter called "stairs"), used in inland vessels.

It is not applicable to indoor stairs, outboard stairs, emergency and special purpose stairs.

2 Technical requirements

2.1 Stairs

2.1.1 The stairs shall permit water drainage and easy removal of snow and ice.

2.1.2 They shall be made without a lower protective plate.

2.1.3 They shall be welded or bolted in place on lugs or brackets. The treads shall be welded or bolted to the side plates.

2.2 Side plates

2.2.1 Side plates may be stamped or bent from a steel plate in the form of a channel, [, ⌊ -shaped profile or other suitable profiles.

2.2.2 If the superstructure wall is sufficiently solid at the place of installation of the stairs, the treads may be welded directly to the wall without the side plate.

If necessary, the wall may be suitably reinforced in way of the ladder treads.

2.3 Treads

2.3.1 Treads shall be manufactured by stamping from fluted steel plates or from a steel plate having anti-slip formed lugs, or made in the form of a grill. Treads may also be manufactured from a smooth steel plate with a fluted strip fixed on the front part of the tread.

2.3.2 Treads shall be inclined by 1 or 2° backwards for water drainage. Grill treads have no inclination.

2.3.3 The tolerance for deviation from the theoretical tread spacing shall be ± 3 mm.

2.4 Hand-rail

Stairs shall be provided with a hand-rail attached to the side plate. If the stairs are installed near the superstructure wall, the hand-rail shall be fitted only on the side opposite to the wall.

NOTE — For passenger ships, the hand-rails must be fitted to both sides of the ladders.