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# INTERNATIONAL STANDARD



# 3902

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

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## Shipbuilding — Gaskets for ships' side scuttles and rectangular windows

*Construction navale — Joints pour hublots et fenêtres rectangulaires de navires*

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**Descriptors :** shipbuilding, side scuttles, windows, seals (stoppers), rubber products, materials specifications, classification, designation.

## 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 3902 was drawn up by Technical Committee ISO/TC 8, *Shipbuilding*, and was circulated to the Member Bodies in July 1975.

It has been approved by the Member Bodies of the following countries :

Australia	Finland	Netherlands
Austria	France	Norway
Belgium	Germany	Poland
Brazil	Ireland	Romania
Bulgaria	Italy	Spain
Czechoslovakia	Korea, Dem.P. Rep. of	Sweden

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

United Kingdom  
U.S.S.R.

# Shipbuilding — Gaskets for ships' side scuttles and rectangular windows

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions and material of gaskets used for ensuring watertightness between the main components (main frame, glassholder, deadlight) of ships' side scuttles complying with ISO 1751 and ships' rectangular windows complying with ISO 3903.

## 2 REFERENCES

ISO 48, *Vulcanized rubbers — Determination of hardness (hardness between 30 and 85 IRHD)*.

ISO 1751, *Shipbuilding — Ships' side scuttles*.<sup>1)</sup>

ISO 3903, *Shipbuilding — Ships' ordinary rectangular windows*.<sup>2)</sup>

## 3 CLASSIFICATION

The gaskets shall be classified by types as follows:

- types A and B for use with side scuttles complying with ISO 1751 and for use with rectangular windows complying with ISO 3903;
- type C for use with rectangular windows complying with ISO 3903.

The cross-sectional dimensions of the three types are shown in the figure.

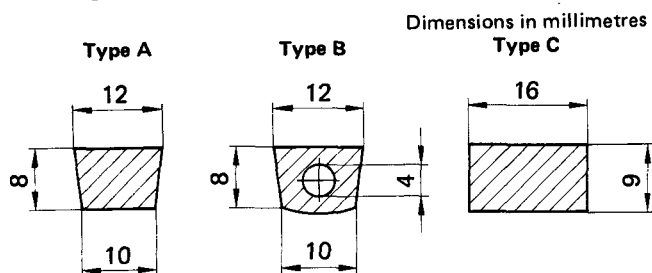


FIGURE — Cross-section of gaskets

## 4 MATERIAL

The gaskets shall be made from natural or synthetic rubber, at the manufacturer's option, having the following properties:

- hardness : 35 to 40 IRHD<sup>3)</sup>;
- resistant to seawater;
- resistant to ultra-violet light.

## 5 DESIGNATION

Gaskets conforming to this International Standard shall be designated for ordering purposes by the following, in the order given:

- number of this International Standard : ISO 3902;
- type A, B or C.

*Example :*

A type A gasket is designated as follows :

Gasket ISO 3902-A

If a special length of the gasket is to be delivered, the delivery length in metres shall be stated when individual orders are placed.

*Example :*

A type A gasket 100 m long is designated as follows :

Gasket ISO 3902-A-100 m

1) At present at the stage of draft. (Revision of ISO/R 1751.)

2) At present at the stage of draft.

3) IRHD = International Rubber Hardness Degrees; see ISO 48.

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