STANDARD **7483**

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Dimensions of gaskets for use with flanges to ISO 7005

Dimensions des joints à utiliser avec les brides de l'ISO 7005

Reference number
ISO 7483:1991(E)

Contents

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7483 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Sub-Committee SC 10, *Metallic flanges and their joints*.

Annexes A and B of this International Standard are for information only.

Introduction

This International Standard has been prepared in order to specify dimensions of gaskets for use with flanges to the following standards:

ISO 7005-1, *Metallic flanges — Part 1: Steel flanges*

ISO 7005-2, *Metallic flanges — Part 2: Cast iron flanges*

ISO 7005-3, *Metallic flanges — Part 3: Copper alloy and composite flanges*

It is divided into sections, according to the form of gasket, as follows:

Section 1: General

Section 2: Non-metallic flat gaskets

Section 3: Spiral wound gaskets

Section 4: Metallic ring-joint gaskets

Section 5: Non-metallic envelope gaskets

Section 6: Corrugated, flat or grooved metallic and filled metallic gaskets

The materials for gaskets are outside the scope of this International Standard but section 1 lists the various forms of gaskets and the ranges of materials used for some gasket forms, and section 4 gives hardness values of typical ring-joint gasket materials.

The selection of the gasket type, its material and thickness (as applicable) should take account of the operating conditions, the properties of the gasket material, the type of flange facing, the surface finish of the flange and the flange bolt loading. Therefore, it is recommended that the selection of gaskets for any particular application is made in consultation with the gasket supplier.

Annex A lists for information the type of flange faces for which gaskets are specified in this International Standard and annex B gives information to be supplied by the purchaser when ordering gaskets.