



National Standards Authority of Ireland

IRISH STANDARD

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ICS 21.140

**MECHANICAL SEALS - PRINCIPAL  
DIMENSIONS, DESIGNATION AND  
MATERIAL CODES**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel. (01) 807 3800

Tel: (01) 807 3838

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English version

## Mechanical seals - Principal dimensions, designation and material codes

Garnitures mécaniques d'étanchéité - Dimensions principales, désignation et codes matériaux

Gleitringdichtungen - Hauptmaße, Bezeichnung und Werkstoffschlussel

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Management Centre: rue de Stassart, 36 B-1050 Brussels

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## **Foreword**

This European Standard has been prepared by Technical Committee CEN/TC 197 "Pumps", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2001, and conflicting national standards shall be withdrawn at the latest by June 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard defines the principal dimensions for the internal installation of single and multiple mechanical seals with (rotating) spring units into the pump sealing cavity according to ISO 3069 as minimum cavity dimensions as typical for centrifugal pumps in accordance with EN 22858 and EN 733. It also gives the seal designations and material codes to be used.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 733, *End-suction centrifugal pumps, rating 10 bar with bearing bracket — Nominal duty point, main dimensions, designation system*

EN 22858, *End suction centrifugal pumps (rating 16 bar) — Designation, nominal duty point and dimensions (ISO 2858:1975)*

ISO 1382, *Rubber — Vocabulary Trilingual edition*

ISO 1629, *Rubbers and latices — Classification, symbols*

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 3069, *End suction centrifugal pumps — Dimensions of cavities for mechanical seals and for softpacking*

ISO 5199, *Technical specifications for centrifugal pumps — Class II*

ISO 9905, *Technical specifications for centrifugal pumps — Class I*

ISO 9908, *Technical specifications for centrifugal pumps — Class III*

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