
INTERNATIONAL STANDARD



3069

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

End suction centrifugal pumps — Dimensions of cavities for mechanical seals and for soft packing

Pompes centrifuges à aspiration en bout — Dimensions des logements de garnitures mécaniques et de garnitures à tresse

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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 3069 was drawn up by Technical Committee ISO/TC 115, *Pumps*, and circulated to the Member Bodies in February 1973.

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

Austria	Israel	Spain
Belgium	Italy	Sweden
Bulgaria	Japan	Switzerland
Czechoslovakia	Mexico	Thailand
Finland	Netherlands	Turkey
France	Poland	United Kingdom
Germany	Portugal	U.S.A.
Hungary	Romania	
India	South Africa, Rep. of	

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

Australia

End suction centrifugal pumps – Dimensions of cavities for mechanical seals and for soft packing

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of the cavity for balanced and unbalanced mechanical seals and for soft packing for use with end suction centrifugal pumps, rating 16 bar, in accordance with ISO 2858. It can, however, apply to other rotating machinery.

2 REFERENCE

ISO 2858, *End-suction centrifugal pumps for chemical liquids (rating 16 bar) – Designation, nominal duty point and dimensions.*

3 SPECIFICATION OF DIAMETERS OF SHAFTS AND CAVITIES

The diameters shown in figures 1, 2 and 3 shall have the values given in the table.

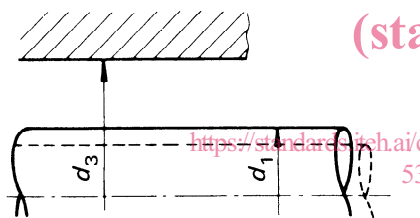


FIGURE 1 – Unbalanced mechanical seal or soft packing with or without sleeve

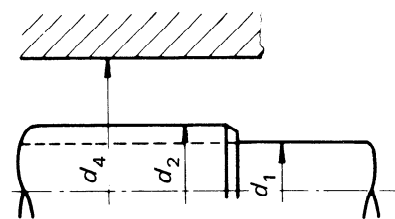


FIGURE 2 – Balanced mechanical seal with or without short sleeve

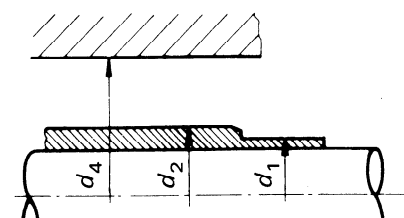


FIGURE 3 – Balanced mechanical seal with sleeve

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Dimensions in millimetres

d_1	d_2	d_3	d_4
18	22	34	38
20	24	36	40
22	26	38	42
24	28	40	44
25	30	41	46
28	33	44	49
30	35	46	51
32	38	48	58
33	38	49	58
35	40	51	60
38	43	58	63
40	45	60	65
43	48	63	68
45	50	65	70
48	53	68	73
50	55	70	75
53	58	73	83
55	60	75	85
58	63	83	88
60	65	85	90
63	68	88	93
65	70	90	95
68	—	93	—
70	—	95	—

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