INTERNATIONAL STANDARD ISO 2861/I

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Муфты быстросменные для вакуумного оборудования. Часть 1. Зажимные муфты.

Vacuum technology — Quick-release couplings — Dimensions — Part I : Clamped type

Technique du vide — Raccords rapides — Dimensions — Partie I : Raccords à collier

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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 2861/I was drawn up by Technical Committee ISO/TC 112, *Vacuum technology,* and circulated to the Member Bodies in July 1972.

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

Belgium	India	South Africa, Rep. of
Czechoslovakia	Italy	Switzerland
Egypt, Arab Rep. of	Mexico	Thailand
France	Netherlands	Turkey
Germany	New Zealand	United Kingdom
Hungary	Romania	

No Member Body expressed disapproval of the document.

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Vacuum technology — Quick-release couplings — Dimensions — Part I : Clamped type

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of quick-release couplings of the clamped type as used in vacuum technology, as well as those of the "O" rings and their carriers which are associated with these couplings to ensure vacuum tightness.

NOTE — The dimensions retained for the coupling diameter ensure compatibility of the quick-release coupling with the corresponding vacuum flanges which are standardized in ISO 1609, *Vacuum flanges — Dimensions.* [1)]

2 COUPLING

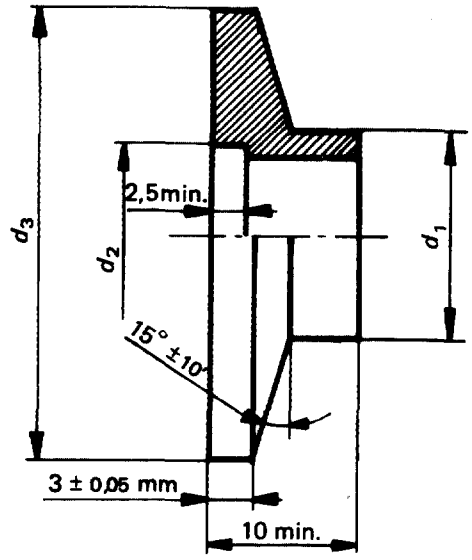

TABLE 1 — **Dimensions of coupling**

Dimensions in millimetres

Nominal bore	d_1 max.	d_2 $^{+0,2}_{0}$	d_3 h11
10	14	12,2	30
16	20	17,2	30
25	28	26,2	40
40	44,5	41,2	55

1) At present at the stage of draft.

3 ELASTOMER "O" RING

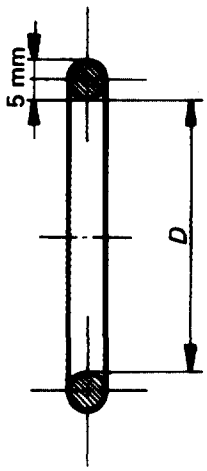

TABLE 2 – **Dimensions of "O" ring**

Dimensions in millimetres

Nominal bore	*D*
10	15
16	18
25	28
40	42*

* Alternatively an "O" ring of section 5,33 mm and diameter *D* of 40,65 mm may be used.

4 ELASTOMER "O" RING CARRIER

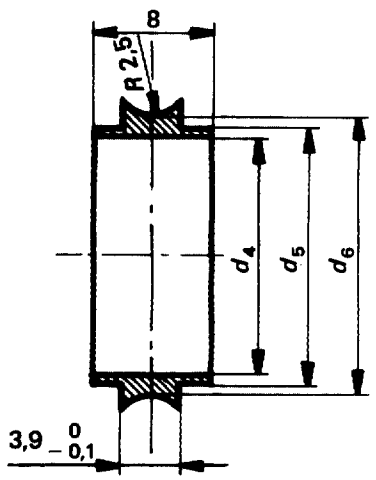

TABLE 3 – **Dimensions of "O" ring carrier**

Dimensions in millimetres

Nominal bore	d_4 max.	d_5 0 −0,1	d_6 0 −0,1
10	10	12	15,3
16	16	17	18,5
25	25	26	28,5
40	40	41	43

1. Муфта
2. Вакуумная установка