
Vacuum technology — Dimensions of clamped-type quick-release couplings

Technique du vide — Dimensions des raccords rapides à colliers



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Published in Switzerland

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 112, *Vacuum technology*.

This second edition cancels and replaces the first edition (ISO 2861:2013), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- “ d_1 ” in [Table 3](#) has been corrected to “ d_4 ”;
- the Bibliography has been updated.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Vacuum technology — Dimensions of clamped-type quick-release couplings

1 Scope

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

NOTE The dimensions retained for the coupling diameter ensure the compatibility of the quick-release coupling with the corresponding vacuum flanges specified in ISO 1609^[1].

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

clamped-type quick-release coupling

connection which may be joined or separated without the use of tools

Note 1 to entry: It ensures vacuum tightness associated with the O-rings and their carriers.

Note 2 to entry: The types and dimensions of clamps to tight couplings are not specified in document.

Note 3 to entry: See [Figure 1](#).

[SOURCE: ISO 14617-3:2002, 3.15, modified — "clamped-type" has been added to the term; Notes 1 to 3 are additional to the original definition.]