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Pliers and nippers — Multiple slip joint pliers — Dimensions and test values

Pinces et tenailles — Pinces multiprises — Dimensions et valeurs d'essai

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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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 10, *Assembly tools for screws and nuts, pliers and nippers*.

This third edition cancels and replaces the second edition (ISO 8976:2004), which has been technically revised.

The main changes compared to the previous edition are as follows:

— introduced minimum and maximum lengths for each nominal length.

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Pliers and nippers — Multiple slip joint pliers — Dimensions and test values

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1 Scope

This document specifies the principal dimensions of multiple slip joint pliers.

It also specifies test values for the pliers to verify their aptitude to function in conformity with ISO 5744. General technical requirements are given in ISO 5743.

The multiple slip joint pliers illustrated in this document are only examples and are not intended to affect the manufacturer's design.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5742, *Pliers and nippers — Nomenclature*

ISO 5743, *Pliers and nippers— General technical requirements*

ISO 5744:2004, *Pliers and nippers — Methods of test*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5742 apply.

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Dimensions and test values

The principal dimensions of multiple slip joint pliers are shown in Figure 1 and given in Table 1.

The different joint types are shown in ISO 5742.

After the load test, the permanent set, s, shall not exceed the value given in Table 1. If distance l_1 is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used.

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