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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46128-2025

**Machine-operated socket wrenches - Non-impact sockets
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Product Categories
- 4.1 Type

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is modified to adopt ISO 2725-3:2017 "Screws and nuts - Assembly tools - Dowels and sleeves - Part 3: Machine sleeves".

("Non-impact" dimensions).

This document has undergone significant structural adjustments compared to ISO 2725-3:2017. A comparison of the structural numbering changes between the two documents is provided below.

See Appendix A for the table.

This document differs significantly from ISO 2725-3:2017 in several technical aspects. The relevant clauses are indicated in vertical margins.

Straight lines (|) are marked. A summary of these technical differences and their reasons can be found in Appendix B.

The following editorial changes have been made to this document.

---The standard name has been changed to "Machine Socket Wrench - Non-Impact Type";

---References have been added.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on

Standardization of Hardware Products (SAC/TC174).

1 Scope

This document specifies the product classification, requirements, test methods, inspection rules, marking, and packaging of non-impact sockets for machine socket wrenches.

Transportation and storage.

This document applies to non-impact sockets for machine-made socket wrenches used for installing and removing bolts, nuts, or other fasteners (hereinafter referred to as "non-impact sockets").

(sleeve).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 4390 Common Tolerances for Wrench Openings and Wrench Holes (GB/T 4390-2008, ISO 691:2005, MOD) GB/T 46126 Technical Specification for Machine Socket Wrenches (GB/T 46126-2025, ISO 1711-2:2019, MOD) ISO 1174-2 Assembly tools for screws and nuts - Part 2: Assembly tools for machine use - Driven square tenons

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4.1 Type

4.1.1

Non-impact sleeves are shown in Figures 1 and 2. Based on the fixing method used, non-impact sleeves are divided into retaining ring fixing (code.

G) and stop pin fixing (code J), are divided into hexagonal hole (code L) and dodecagonal hole (no code) according to the geometry of their working parts.

Note: The illustration is for illustrative purposes only and does not affect the design of the product.

$115^{\circ} \leq \alpha \leq 150^{\circ}$

Figure 1. Type G non-impact sleeve