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

GB 4389-1984

Replacing GB/T 4389-1995

**Double-headed open-ended wrenches, double-headed box
wrenches and combination wrenches -- Maximum widths of
heads**

(English Translation)

Issued on: January 1, 1970

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Issued by: Standardization Administration of China

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 4389-1995 "Assembly tools for screws and nuts headed wrenches, double-headed box wrenches and combination wrenches the maximum size of the head shape, "compared with the GB/T 4389-1995, the main changes are as follows.

--- The standard name was changed to "double-headed wrench, double-headed box wrenches and combination wrenches - Maximum outside dimensions of the head";

--- S will to amend non-preferred sizes

6,9,12,14,17,19,20,22,23,25,26,28,29,31,32,38,65,70,75,80 (1995 edition Table 1, Table 1 edition);

--- Increasing the provision of technical specifications (Chapter 4 of this edition);

--- Standard structure and presentation was modified.

This standard uses redrafted law revision using ISO 3318:2009 "Assembly tools for screws and nuts headed wrenches, double-headed Plum Wrenches and combination wrenches maximum width of the head shape. " this standard and ISO 3318. compared to 2009 in the structure have more adjustment, listed in Appendix A of this standard and ISO 3318:2009 Reg number compared to the control list.

This standard and ISO 3318:2009 as compared to the existence of technical differences between the terms of these differences has been involved through its outer margin bits Opposing vertical single line (I) were labeled, given a list of corresponding technical differences and their reasons in Appendix B.

This standard also made the following editorial changes.

--- The standard name was changed to "double-headed wrench, double-headed box wrenches and combination wrenches - Maximum outside dimensions of the head." the standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee, hardware tools Hardware Technical Committee (SAC/TC174/SC2) centralized.

1 Scope

This standard specifies the double-headed wrench, double-headed box wrenches and combination wrenches - Maximum outside dimensions of the head.

This standard applies to wrenching bolts and nuts, or other fasteners wrenches, box wrenches and combination wrenches, named above and surgery in accordance with the provisions of language GB/T 4625's.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3104 Fasteners Hexagon width across product (GB/T 3104-1982, ISO 272. 1982, NEQ) GB/T 4390 spanner wrench openings and holes - tolerances (GB/T 4390-2008, ISO 691:2005, MOD) GB/T 4393 wrenches, box wrenches and combination wrenches - Technical specifications (GB/T 4393-2008, ISO 1711-1:2007, NEQ) GB/T 4625 Assembly tools for screws and nuts term (GB/T 4625-1998, idtISO 1703. 1983) the maximum size of the wrench head shape 3 Wrench head shape shown in Figure 1 and Figure 2. The maximum size of the shape of the head should be in accordance with Table 1.

NOTE: The standard diagram is merely an example, does not affect the design of the wrench.

1 wrench head shape

Figure 2 wrench head shape