

INTERNATIONAL ISO  
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Second edition  
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## **Assembly tools for screws and nuts — Double-headed, flat and offset, box wrenches — Length of wrenches and thickness of the heads**

*Outils de manœuvre pour vis et écrous — Clés polygonales doubles,  
droites et inclinées — Longueurs des clés et épaisseurs des têtes*



Reference number  
ISO 10103:2001(E)

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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10103 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 10, *Assembly tools for screws and nuts, pliers and nippers*.

This second edition cancels and replaces the first edition (ISO 10103:1990), which has been technically revised.