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Third edition  
2015-03-01

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# Assembly tools for screws and nuts — Technical specifications —

## Part 1: Hand-operated wrenches and sockets

*Outils de manoeuvre pour vis et écrous — Spécifications techniques —  
Partie 1: Clés de serrage et douilles à main*



Reference number  
ISO 1711-1:2015(E)

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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](http://www.iso.org/directives)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is 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 1711-1:2007), which has been technically revised with the following changes:

- requirement for testing large wrenches in [5.3](#) slightly changed for safety reasons;
- additional widths across flat sizes not covered by ISO 272 included in [Table 3](#), in order to better reflect the current market situation.

ISO 1711 consists of the following parts, under the general title *Assembly tools for screws and nuts — Technical specifications*:

- *Part 1: Hand-operated wrenches and sockets*
- *Part 2: Machine-operated sockets ("impact")*