

This is a preview of "ISO 1703:2018". [Click here to purchase the full version from the ANSI store.](#)

Fourth edition
2018-02

Assembly tools for screws and nuts — Nomenclature

Outils de manoeuvre pour vis et écrous — Nomenclature



Reference number
ISO 1703:2018(E)

© ISO 2018

This is a preview of "ISO 1703:2018". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 1703:2018". [Click here to purchase the full version from the ANSI store.](#)

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle of designation	2
5 Wrenches	4
6 Sockets	8
7 Screwdriver bits	9
8 Screwdrivers	10
9 Connecting parts	12
10 Driving parts	13
11 Torque tools	14
Annex A (informative) French terms — Termes français	16
Annex B (informative) Other languages	22
Bibliography	43

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: 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 fourth edition cancels and replaces the third edition (ISO 1703:2005) which has been technically revised. The main changes compared to the previous edition are as follows:

- torque tools have been shifted into a new [Clause 10](#) and have been updated according to the new edition of ISO 6789-1;
- new tools have been added: Ratcheting combination wrenches (1 1 01 07 0, 1 1 01 08 0, 1 1 01 09 0) and ratcheting double-headed box wrenches (1 1 02 19 0 and 1 1 02 20 0);
- tools with driving end Type E according to the ISO 2351 series have been added to the following designation nos.: 3 2 03 01 0, 3 2 04 01 0, 3 2 05 01 0, 3 2 06 01 0, 3 2 14 01 0 and 3 2 15 01 0;
- the column for the “old” reference number has been deleted in all tables;
- according to ISO rules, the French designations have been shifted from the main part to [Annex A](#).

This is a preview of "ISO 1703:2018". [Click here to purchase the full version from the ANSI store.](#)

Introduction

The purpose of this document is to present a consistent and systematic way of designating assembly tools for screws and nuts. The designations in the respective ISO standards are harmonized with this document. This document covers most common assembly tools for screws and nuts. The terms used have been selected in order to fit into the structure of this group of tools.

This document collates various information for each product, including typical examples of appearance, the type of screw or nut interface with which the tool can be utilized and the designation number. Where ISO standard numbers are shown in bold, they define the primary requirements for the tool. Numbers shown in italics are ISO standards that contain additional information and/or requirements.