

DIN EN ISO 4014



ICS 21.060.10

Supersedes
DIN EN ISO 4014:2011-06

**Fasteners –
Hexagon head bolts –
Product grades A and B (ISO 4014:2022);
English version EN ISO 4014:2022,
English translation of DIN EN ISO 4014:2022-10**

Verbindungselemente –
Sechskantschrauben mit Schaft –
Produktklassen A und B (ISO 4014:2022);
Englische Fassung EN ISO 4014:2022,
Englische Übersetzung von DIN EN ISO 4014:2022-10

Fixations –
Vis à tête hexagonale partiellement filetées –
Grades A et B (ISO 4014:2022);
Version anglaise EN ISO 4014:2022,
Traduction anglaise de DIN EN ISO 4014:2022-10

Document comprises 21 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This document (EN ISO 4014:2022) has been prepared by Technical Committee ISO/TC 2 “Fasteners” in collaboration with Technical Committee CEN/TC 185 “Fasteners” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Mechanische Verbindungselemente* (DIN Standards Committee Fasteners), Working Committee NA 067-00-02 AA “Fasteners with metric external thread”.

The DIN 4000-160-1 tabular layout of product properties applies to hexagon head screws covered in this standard.

The DIN documents corresponding to the documents referred to in this document are as follows:

ISO 225	DIN EN ISO 225
ISO 888	DIN EN ISO 888
ISO 898-1	DIN EN ISO 898-1
ISO 965-1	DIN ISO 965-1
ISO 1891-4	DIN EN ISO 1891-4
ISO 3269	DIN EN ISO 3269
ISO 3506-1	DIN EN ISO 3506-1
ISO 3506-6	DIN EN ISO 3506-6
ISO 4017	DIN EN ISO 4017
ISO 4042	DIN EN ISO 4042
ISO 4753	DIN EN ISO 4753
ISO 4759-1	DIN EN ISO 4759-1
ISO 6157-1	DIN EN 26157-1
ISO 6157-3	DIN EN 26157-3
ISO 8992	DIN ISO 8992
ISO 10683	DIN EN ISO 10683
ISO 10684	DIN EN ISO 10684
ISO 16048	DIN EN ISO 16048
ISO/TR 20491	DIN CEN ISO/TR 20491*

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

* In preparation at the time of publication of this document (final draft).

Amendments

This standard differs from DIN EN ISO 4014:2011-06 as follows:

- a) the tables for dimensions have been entirely restructured so that the user can reliably find the specified values (without the risk of selecting the wrong dimension), see Clause 4 and Annex A;
- b) M7 has been included;
- c) $d_{w,\min}$ has been changed for sizes $d \leq M5$ from $s_{\min} - IT16$ to $s_{\min} - IT15$, in order to have a larger bearing surface area and thus less contact pressure;
- d) the rules for the shortest and longest standard lengths have been added, and they have been amended accordingly;
- e) for steel bolts, property classes 4.8 and 12.9/12.9 have been added;
- f) for stainless steel bolts, steel grades D4 and D6 and property class 80 have been added;
- g) property class 9.8 and non-ferrous metal bolts have been deleted;
- h) specifications for marking and labelling have been added as Clause 6.

Previous editions

DIN 932-1: 1926-01

DIN 932-2: 1926-01

DIN Kr 551: 1935-11, 1936-11

DIN 931-2: 1926-01, 1942-04

DIN 931: 1967-12, 1970-11

DIN 931-1: 1926-01, 1942-04, 1952-12, 1963-03, 1982-07, 1987-09

DIN 532: 1929x-11

DIN 600: 1926x-10

DIN ISO 4014: 1987-09, 1989-09

DIN EN 24014: 1992-02

DIN EN ISO 4014: 2001-03, 2011-06

DIN EN ISO 4014 Corrigendum 1: 2006-10