

## Hexagon head bolts

Product grades A and B  
(ISO 4014 : 1988)

English version of DIN EN 24 014

DIN

EN 24 014

This standard incorporates the English version of ISO 4014.

Sechskantschrauben mit Schaft; Produktklassen A und B (ISO 4014 : 1988)

Supersedes DIN 931  
Part 1, September 1987  
edition, and DIN ISO 4014,  
September 1989 edition

European Standard EN 24 014 : 1991 has the status of a DIN Standard.

*A comma is used as the decimal marker.***National foreword**

The publication of this standard is in keeping with a decision made by CEN/TC 185 to adopt, without alteration, a series of ISO Standards covering hexagon head bolts and nuts as European Standards. The responsible German body involved in their publication is the *Normenausschuß Mechanische Verbindungselemente* (Fasteners Standards Committee).

As a consequence, all DIN ISO Standards covering hexagon head bolts and nuts have been superseded by the corresponding DIN EN Standards (see table overleaf), with no alteration having been made to the former ISO designation.

The DIN Standards corresponding to the ISO Standards referred to in clause 2 of the EN are as follows:

ISO 225	DIN EN 20 225
ISO 898-1	DIN EN 20 898 Part 1
ISO 3269	DIN ISO 3269 (at present at the stage of draft)
ISO 3506	DIN ISO 3506 (at present at the stage of draft)
ISO 4042	DIN ISO 4042 (at present at the stage of draft)
ISO 4759-1	DIN ISO 4759 Part 1
ISO 6157-1	DIN EN 26 157 Part 1
ISO 6157-3	DIN EN 26 157 Part 3
ISO 8839	DIN EN 28 839
ISO 8992	DIN ISO 8992 (at present at the stage of draft)

Continued overleaf.  
EN comprises 10 pages.

DIN EN Standard	Title	Previous DIN ISO Standard	Withdrawn DIN Standard
24 014	Hexagon head bolts; product grades A and B	4014	931 Part 1
24 016	Hexagon head bolts; product grade C	4016	601
24 017	Hexagon head screws; product grades A and B	4017	933
24 018	Hexagon head screws; product grade C	4018	558
24 032	Hexagon nuts, style 1; product grades A and B	4032	934
24 034	Hexagon nuts; product grade C	4034	555
24 035	Hexagon thin nuts (chamfered); product grades A and B	4035	439 Part 2
24 036	Hexagon thin nuts; product grade B (unchamfered)	4036	439 Part 1
28 673	Hexagon nuts, style 1, with metric fine pitch thread; product grades A and B	8673	971 Part 1 934
28 674	Hexagon nuts, style 2, with metric fine pitch thread; product grades A and B	8674	971 Part 2
28 675	Hexagon thin nuts with metric fine pitch thread; product grades A and B	8675	439 Part 2
28 676	Hexagon head screws with metric fine pitch thread; product grades A and B	8676	961
28 765	Hexagon head bolts with metric fine pitch thread; product grades A and B	8765	960

### Standards referred to

See clauses 0 and 2.

### Other relevant document

Supplement 2 to DIN 918 Fasteners; synopsis of available ISO Standards and DIN Standards

### Previous editions

DIN 932 Parts 1 and 2: 01.26; DIN 600: 10.26x; DIN 532: 11.29x; DIN Kr 551: 11.35, 11.36; DIN 931 Part 2: 01.26, 04.42; DIN 931: 12.67, 11.70; DIN 931 Part 1: 01.26, 04.42, 12.52, 03.63, 07.82, 09.87; DIN ISO 4014: 09.87, 09.89.

### Amendments

In comparison with the September 1987 edition of DIN 931 Part 1 and the September 1989 edition of DIN ISO 4014, the following amendments have been made.

- The design with tapered underhead fillet has been included for the first time.
- The range of thread sizes specified has been extended to include size M 64.
- The range of nominal lengths specified has been extended to include 500 mm.
- The widths across flats specified in ISO 272 have been adopted for thread sizes M 10, M 12, M 14 and M 22.
- The technical delivery conditions have been revised.