

## Designation system for fasteners

**DIN**  
**962**

ICS 21.060.10; 21.060.20

Supersedes  
September 1990 edition.Schrauben und Muttern – Bezeichnungsangaben – Formen  
und Ausführungen**Foreword**

This standard has been prepared by Technical Committee *Fachgrundnormen* of the *Normenausschuss Mechanische Verbindungselemente* (Fasteners Standards Committee).

With the publication of DIN 34803, the dimensional specifications for split pin holes and wire holes given in the September 1990 edition of DIN 962 have been superseded. Since the dimensional specifications for slots in hexagon and square head bolts have been dropped, the present standard now only features a designation system for bolts, screws, studs and nuts.

It should be noted that some of the symbols given in table 2 of this standard differ from those used in the previous edition of DIN 962. For ease of reference, table B.1 in Annex B correlates the old and new symbols.

**Amendments**

This standard differs from the September 1990 edition as follows:

- a) Additional design features have been included in the designation and clause 4 has been amended accordingly.
- b) The features and symbols given in table 2 have been harmonized with those given in DIN EN ISO 4753.
- c) Specifications for thread ends of tapping screws, for bolts and screws with ends of types So, Spz, Sz, Tm, To and Z, for screws with cross-recessed head, for split pin holes and wire holes, and for the slotting of hexagon and square head bolts are no longer included.
- d) Annex A specifying the dimensions of bolt/screw ends of types Ak and Asp has been included.
- e) References have been updated.

**Previous editions**

DIN 962: 1953-03, 1969-08, 1975-09, 1983-12, 1990-09.

Continued on pages 2 to 9.

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original should be consulted as the authoritative text.

All dimensions are in millimetres.

## 1 Scope

This standard specifies a designation system for bolts, screws, studs and nuts ('fasteners', for short). It also gives supplementary order designations for special features and finishes of such fasteners which are not covered in the relevant product standards.

## 2 Normative references

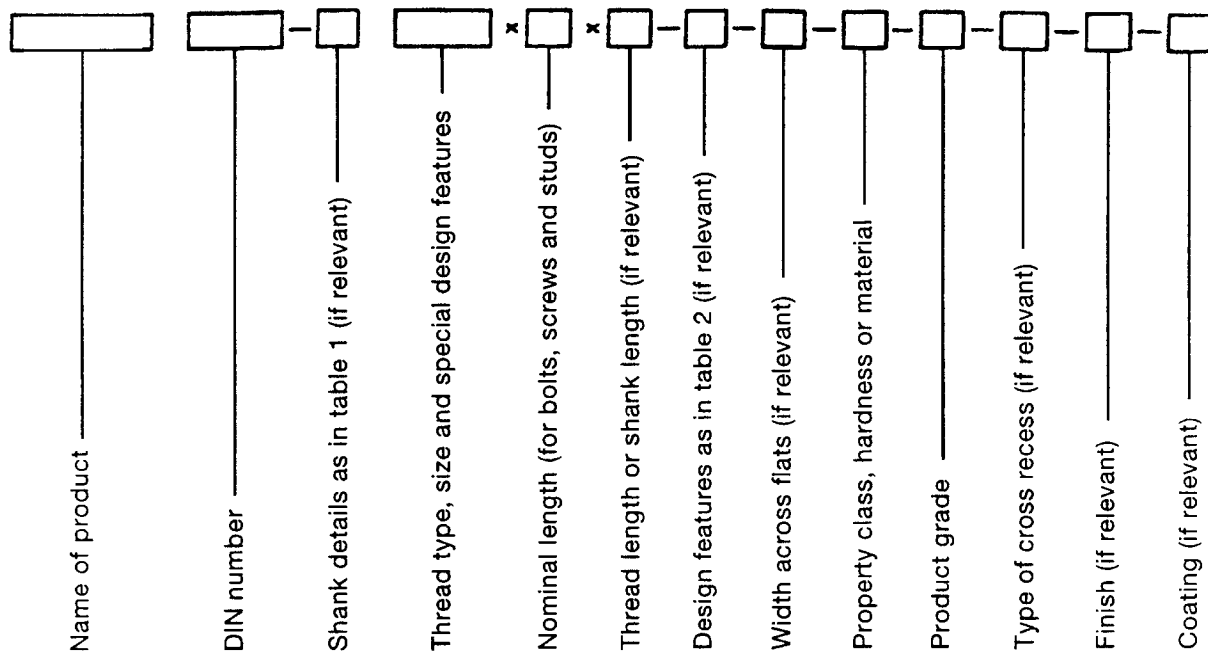
This standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the titles of the publications are listed below. For dated references, subsequent amendments to or revisions of any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

DIN 13-51	General purpose ISO metric screw threads – External threads for transition fits – Tolerances, limit deviations and limits of size
DIN 76-1	Thread run-outs and thread undercuts for ISO metric screw threads in accordance with the DIN 13 series
DIN 267-6	Fasteners – Technical delivery conditions – Design and tolerances for product grade F fasteners
DIN 267-10	Fasteners – Technical delivery conditions – Hot-dip galvanized components
DIN 267-13	Fasteners – Technical delivery conditions for bolt/nut assemblies with specific mechanical properties, for service temperatures from – 200 °C to + 700 °C
DIN 267-24	Fasteners – Technical delivery conditions – Property classes for nuts
DIN 267-27	Fasteners – Adhesive-coated steel screws – Technical delivery conditions
DIN 267-28	Fasteners – Steel screws with locking coating – Technical delivery conditions
DIN 267-30	Technical delivery conditions for fasteners – Metric thread rolling screws of property class 10.9
DIN 820-2	Standards work – Presentation of standards – Layout, numbers and title
DIN 918	Fasteners – Terminology and nomenclature
DIN 34803	Split pin holes and wire holes for bolts, screws and studs
DIN 50942	Phosphating metals – Principles and testing
DIN EN 20898-2	Mechanical properties of fasteners – Part 2: Nuts with coarse pitch thread and specified proof load values (ISO 898-2 : 1992)
DIN EN 28839	Mechanical properties of fasteners – Bolts, screws, studs and nuts made of non-ferrous metals (ISO 8839 : 1986)
DIN EN ISO 898-1	Mechanical properties of fasteners made of carbon steel and alloy steel – Part 1: Bolts, screws and studs (ISO 898-1 : 1999)
DIN EN ISO 898-5	Mechanical properties of fasteners made of carbon steel and alloy steel – Part 5: Set screws and similar threaded fasteners not under tensile stresses (ISO 898-5 : 1998)
DIN EN ISO 898-6	Mechanical properties of fasteners – Part 6: Nuts with specified proof load values, fine pitch thread (ISO 898-6 : 1994)
DIN EN ISO 1478	Tapping screw threads (ISO 1478 : 1999)
DIN EN ISO 2320	Prevailing torque type steel hexagon nuts – Mechanical and performance properties (ISO 2320 : 1997)
DIN EN ISO 3506-1	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 1: Bolts, screws and studs (ISO 3506-1 : 1997)
DIN EN ISO 3506-2	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 2: Nuts (ISO 3506-2 : 1997)
DIN EN ISO 3506-3	Mechanical properties of corrosion-resistant stainless steel fasteners – Part 3: Set screws and similar fasteners not under tensile stress (ISO 3506-3 : 1997)
DIN EN ISO 4042	Fasteners – Electroplated coatings (ISO 4042 : 1999)
DIN EN ISO 4753	Fasteners – Ends of parts with external ISO metric screw thread (ISO 4753 : 1999)
DIN EN ISO 4757	Cross recesses for screws (ISO 4757 : 1983)
DIN EN ISO 4759-1	Tolerances for fasteners – Part 1: Bolts, screws, studs and nuts – Product grades A, B and C (ISO 4759-1 : 2000)

DIN EN ISO 7085	Mechanical and performance requirements of case hardened and tempered metric thread rolling screws (ISO 7085 : 1999)
DIN EN ISO 10683	Fasteners – Non-electrolytically applied zinc flake coatings (ISO 10683 : 2000)
DIN ISO 261	ISO general purpose metric screw threads – General plan (ISO 261 : 1998)
DIN ISO 965-3	ISO general purpose metric screw threads – Tolerances – Part 3: Deviations for constructional screw threads (ISO 965-3 : 1998)

### 3 Designation

Based on the specifications of DIN 820-2, designations of fasteners shall take the following form.



## 4 Dimensions and design features

### 4.1 General

The dimensions and relevant design features of fasteners shall be given in the individual item block following the DIN number.

### 4.2 Dimensions and design features specified in product standards

Dimensions and design features shall be designated as specified in the relevant product standards.

### 4.3 Special design features

#### 4.3.1 General

Where the fasteners ordered are to have special features, these may be designated by the symbols specified in this standard provided that the applicability of DIN 962 has been specified in the relevant product standard and is referred to in the order documents.

#### 4.3.2 Shank details

Where, by way of departure from the relevant product standard, the shank of the fastener ordered is to have a special design feature, the symbol denoting this feature shall be included in the designation as specified in table 1.