

DIN 603



ICS 21.060.10

Supersedes  
DIN 603:2010-09

**Cup head square neck bolts,  
English translation of DIN 603:2017-05**

Flachrundsrauben mit Vierkantansatz,  
Englische Übersetzung von DIN 603:2017-05

Corps de boulon à tête bombée aplatie, à collet carré,  
Traduction anglaise de DIN 603:2017-05

Document comprises 10 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.*

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## Foreword

This standard has been prepared by Working Committee NA 067-00-08 AA "Fasteners with special forms and made of plastic" of *DIN-Normenausschuss Mechanische Verbindungselemente* (DIN Standards Committee Fasteners).

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## Amendments

This standard differs from DIN 603:2010-09 as follows:

- a) normative references have been updated;
- b) the designation of radius  $r_3$  and of the width of the square neck  $v_n$  in Figure 1 have been corrected;
- c) for M8 and M10, values for  $l_{s,min}$  at a nominal size of 140 mm have been corrected;
- d) Table 2 containing technical delivery conditions has been corrected;
- e) the Bibliography has been deleted.

## Previous editions

DIN 603: 2010-09

## 1 Scope

This standard specifies properties for sizes M5 to M20 cup head square neck bolts of product grade C.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN 962, *Bolts, screws, studs and nuts — Designation, types and finishes*

DIN EN 26157-1, *Fasteners — Surface discontinuities — Bolts, screws and studs subject to general requirements*

DIN EN ISO 225, *Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions*

DIN EN ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread*

DIN EN ISO 3269, *Fasteners — Acceptance inspection*

DIN EN ISO 3506-1, *Mechanical properties of corrosion-resistant stainless steel fasteners — Part 1: Bolts, screws and studs*

DIN EN ISO 4032, *Hexagon regular nuts (style 1) — Product grades A and B*

DIN EN ISO 4042, *Fasteners — Electroplated coatings*

DIN EN ISO 4753, *Fasteners — Ends of parts with external ISO metric thread*

DIN EN ISO 4759-1, *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C*

DIN EN ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings*

DIN EN ISO 10684, *Fasteners — Hot dip galvanized coatings*

DIN EN ISO 16048, *Passivation of corrosion-resistant stainless-steel fasteners*

DIN ISO 965-1, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*

DIN ISO 8992, *Fasteners — General requirements for bolts, screws, studs and nuts*