

DIN 6880

DIN

ICS 77.140.60

Supersedes
DIN 6880:1975-04

**Bright key steel –
Dimensions, tolerances, mass
English translation of DIN 6880:2011-06**

Blanker Keilstahl –
Maße, zulässige Abweichungen, Masse
Englische Übersetzung von DIN 6880:2011-06

Acier étiré à froid pour clavettes –
Dimensions, tolérances, masse
Traduction anglaise de DIN 6880:2011-06

Document comprises 11 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.

Contents

	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Designation and details of ordering	4
4.1 Designation	4
4.2 Ordering details	5
5 Dimensions, tolerances on dimensions and shape.....	5
5.1 Dimensions and tolerances (thickness, width, chamfer and radiusing).....	5
5.2 Straightness	5
5.3 Mass	6
6 Material	8
7 Finish	8
8 Form supplied	8
9 Surface condition.....	9
10 Testing for dimensional accuracy.....	9
Annex A (normative) Method for determining straightness	10
Bibliography	11

Foreword

This standard has been prepared by Subcommittee 21/1 *Maßnormen für Langerzeugnisse — Blankstahl* of the *Normenausschuss Eisen und Stahl* (FES) (Iron and Steel Standards Committee).

Amendments

This standard differs from DIN 6880:1975-04 as follows:

- a) normative references and material designations have been updated;
- b) Figure 1 has been revised;
- c) the designations for dimensions according to EN 10278 and EN 10059 have been updated (see Figure 1 and Table 1);
- d) ordering details have been updated;
- e) a method for determining straightness and specifications relating to surface condition have been included;
- f) Clauses 7 “Finish” and 8 “Form supplied” have been revised;
- g) more precise specifications have been given with regard to the tolerances of surface discontinuities;
- h) the standard has been editorially revised.

Previous editions

DIN 497: 1924-04, 1930x-04

DIN 498: 1924-04, 1929x-06

DIN 500: 1924-04, 1929x-06

DIN 6880: 1942-09, 1943-12, 1955-03, 1964-11, 1975-04

1 Scope

This standard applies to bright key steel (bright steel for producing taper keys and parallel keys, see Bibliography) in bars of square, rectangular or flat-rectangular cross section, with the nominal sizes given in Tables 1 and 2 and made of the steel grades specified in Clause 6.

This standard does not apply to bright steel products complying with DIN EN 10278 (round, square, hexagon and flat bars).

2 Normative references

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

DIN EN 10277-1:2008-06, *Bright steel products — Technical delivery conditions — Part 1: General*

DIN EN 10277-2, *Bright steel products — Technical delivery conditions — Part 2: Steels for general engineering purposes*

3 Terms and definitions

For the purposes of this document, the following term and definition apply.

3.1 bright key steel
 descaled steel which has been cold formed by non-cutting methods and which has a comparatively smooth, bright surface and an appropriately high dimensional accuracy; it is intended for producing taper keys and parallel keys

4 Designation and details of ordering

4.1 Designation

Bright key steel shall be manufactured with square, rectangular or flat-rectangular cross section and with square edges (SK) or with edges broken all round (GK).

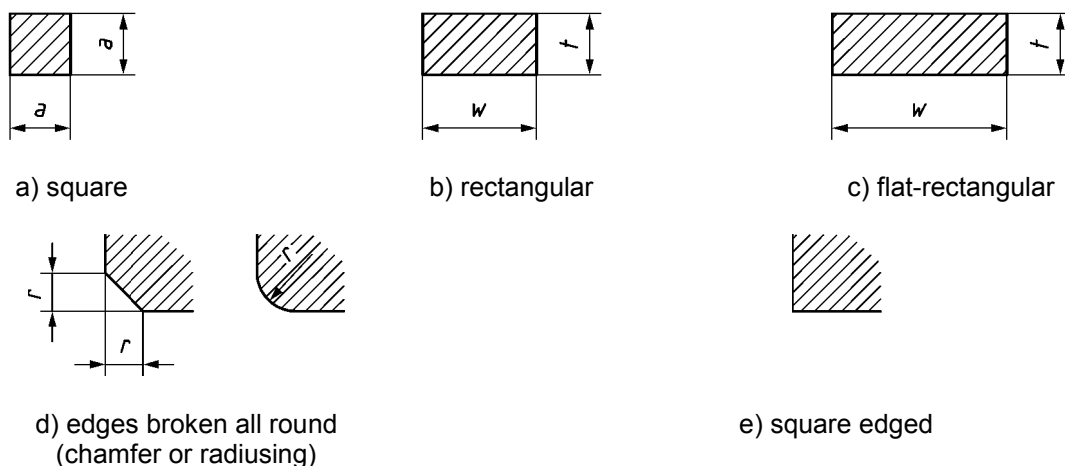


Figure 1 — Dimensions of bright key steel (notation)