

DIN 6930-2



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**Stamped steel parts –
Part 2: General tolerances,
English translation of DIN 6930-2:2011-10**

Stanzteile aus Stahl –
Teil 2: Allgmeintoleranzen,
Englische Übersetzung von DIN 6930-2:2011-10

Pièces découpées et embouties en acier –
Partie 2: Tolérances générales,
Traduction anglaise de DIN 6930-2:2011-10

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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 026-00-03 AA *Stanzteile* of the *Normenausschuss Federn, Stanzteile und Blechformteile* (NAFS) (Springs, Stamped Parts and Moulded Parts Standards Committee).

For more information on NAFS, visit our website at www.nafs.din.de.

Attention is drawn to the possibility that some elements of this document may be the subject of patent rights. DIN shall not be held responsible for identifying any or all such patent rights.

DIN 6930 *Stamped steel parts* consists of:

- Part 1: Technical delivery conditions
- Part 2: General tolerances

Amendments

This standard differs from DIN 6930-2:2010-01 as follows:

- a) normative references have been updated;
- b) the range of nominal sizes has been extended;
- c) tolerances for thicknesses have been extended;
- d) general tolerances for angular dimensions of flat stampings have been extended;
- e) the standard has been editorially revised.

Previous editions

DIN 6930-3: 1971-10
 DIN 6930-4: 1971-10
 DIN 6934: 1959-08
 DIN 6936: 1955x-01, 1969-07
 DIN 6937: 1955-01, 1968-10
 DIN 6938: 1955-01, 1968-10
 DIN 6939: 1955-01, 1968-10
 DIN 6940: 1955x-01
 DIN 6941: 1955-01, 1959x-07
 DIN 6942: 1955-01, 1959-07
 DIN 6943: 1955x-01
 DIN 6944: 1955-01
 DIN 6945: 1955-01
 DIN 6946: 1961-07
 DIN 6947: 1961-07
 DIN 6948: 1961-07, 1968-10
 DIN 6949: 1961-07, 1968-10
 DIN 6930-2: 1972-04, 1983-01, 1989-04, 2010-01

1 Scope

This standard is intended to simplify drawings. It specifies general tolerances on linear and angular dimensions, and on coaxiality and symmetry with four tolerance classes as follows: f (fine), m (medium), g (coarse) and sg (very coarse). By selecting a specific tolerance class, the customary workshop accuracy is taken into consideration.

General tolerances as specified in this standard are used for cold or hot stampings made from flat steel products, and apply wherever reference is made to this standard in drawings or other relevant documents (e.g. delivery conditions).

General tolerances for parts made by fine blanking (see VDI 2906 Part 5) are not covered by this standard.

If, as an exception, this standard is also applied to parts made from semi-finished products other than flat products, or from materials other than steel, this shall be agreed separately.

This standard is to be applied in conjunction with DIN 6932 on design rules for stamped steel parts.

Technical delivery conditions for stampings are specified in DIN 6930-1.

Guidelines for general tolerances indicated on existing drawings are given in Clause 5.

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 6930-1, *Stamped steel parts — Part 1: Technical delivery conditions*

DIN 6930-3, *Stamped steel parts — Part 3: Shape-bent parts made from flat products — Dimensions and tolerances*

DIN 6930-4, *Stamped steel parts — Part 4: Special parts for automotive vehicles — Dimensions and tolerances*

DIN 6932, *Design rules for stamped steel parts*

DIN 6935, *Cold bending of flat rolled steel*

DIN 8588, *Manufacturing processes severing — Classification, subdivision, terms and definitions*

DIN EN ISO 1101, *Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

VDI 2906 Part 5, *Quality of cut faces of (sheet) metal parts after cutting, blanking, trimming or piercing — Fine blanking*

3 General tolerances

3.1 General

The general tolerances specified in this standard take account of the particular aspects of stamping practice, including allowances for die wear. All dimensions (thicknesses and angles) refer to the nominal size and not to the real, subject-to-tolerances dimensions. In the case of blanked stampings, the tolerances apply to the cut band (see Figure 1).