

DIN 59370



ICS 77.140.70

Supersedes  
DIN 59370:2021-10

**Bright steel sharp-edged leg angles –  
Dimensions, mass, tolerances on dimensions and shape,  
English translation of DIN 59370:2022-01**

Blanker scharfkantiger Winkelstahl –  
Maße, Masse, Grenzabmaße und Formtoleranzen,  
Englische Übersetzung von DIN 59370:2022-01

Cornières à arête vive en acier brillant –  
Dimensions, masse, tolérances sur les dimensions et la forme,  
Traduction anglaise de DIN 59370:2022-01

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 document has been prepared by Subcommittee NA 021-00-21-01 UA “Bright steel” of *DIN-Normenausschuss Eisen-, Blech- und Metallwaren* (FES) (DIN Standards Committee Hardware, Tinware and Metal Products).

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## Amendments

This document differs from DIN 59370:2008-06 as follows:

- a) the Scope has been extended to include steel angles with unequal legs;
- b) the dimensional range has been extended to include 70 mm, 80 mm and 100 mm in Table 1 (for steel angles with equal legs);
- c) the dimensional range has been extended to include 70 mm, 80 mm and 100 mm in Table 3;
- d) referenced standards and material designations have been brought in line with the current state of the art;
- e) the standard has been editorially revised.

The following corrections have been made to DIN 59370:2021-10:

- a) in this new edition, the missing data for tolerances and internal radius in Table 1 for the leg widths in nominal dimensions 70 mm, 80 mm and 100 mm have been added;
- b) in Table 2, all data on the internal radius had been incorrectly given with a plus-minus tolerance. The correction involves removal of the plus-minus tolerances;
- c) formatting errors have been corrected.

## Previous editions

DIN 59370: 1953-07, 1961-05, 1978-07, 2008-06, 2021-10

## 1 Scope

This standard applies to bright steel angles with equal or unequal legs and sharp edges in the dimension range specified in Table 1 and Table 2 made from the steels named in Clause 6.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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, *Bright steel products — Technical delivery conditions*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

DIN and DKE provide terminology databases for use in standardization at the following addresses:

- DIN-TERMinology Portal: available at <https://www.din.de/en/services/din-term>
- DKE-IEV: available at <https://www.dke.de/DKE-IEV>

**3.1**  
**bright sharp-edged steel angle (with equal or unequal legs)**  
 steel angle produced by cold-drawing from a hot-formed steel angle

Note 1 to entry: It has a relatively smooth, scale-free surface and a much higher dimensional accuracy. For production reasons, it is not possible to obtain a completely bright surface on the steel angle, which is difficult to draw.

## 4 Designation and information to be supplied by the purchaser

### 4.1 Designation

Bright sharp-edged steel angles (see Figure 1 and Figure 2) are produced with a leg width  $a$ , a leg width  $b$  and a leg thickness  $t$  with the dimensions as given in Table 1 and Table 2.

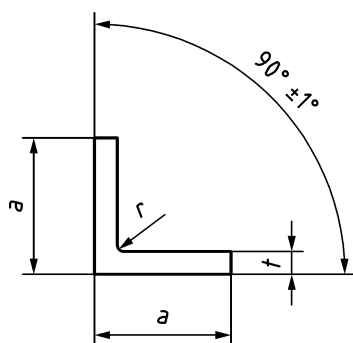


Figure 1 — Bright sharp-edged steel angle (equal legs)