

Thread run-outs and thread undercuts for ISO metric threads as in DIN 13-1

DIN
76-1

ICS 21.040.10

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Gewindeausläufe und Gewindefreistriche –
Teil 1: Für Metrisches ISO-Gewinde nach DIN 13-1

In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

Foreword

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

It is based on International Standards ISO 3508 : 1976 and ISO 4755 : 1983. As a departure from ISO 4755, which specifies only one type of thread undercut with $g_{2\max} = 3 P$, this standard specifies two types, i.e. type A with $g_{2\max} = 3,5 P$ (normal design) and type B with $g_{2\max} = 2,5 P$ (short design). Type B thread undercuts are intended for use on a case-by-case basis, where required for technical reasons; the use of special tools is necessary here.

It should be noted that ISO 3508 and ISO 4755 do not contain specifications for thread run-outs and thread undercuts for internal threads.

Amendments

This standard differs from the December 1983 edition in that it has been editorially revised.

Previous editions

DIN 2352: 1924-11; DIN LON 369-1 = DIN 30140-1:1936-12; DIN 76-1: 1924-09, 1943-04, 1953-11, 1965-09, 1967-06, 1975-09, 1983-12.

All dimensions are in millimetres.

1 Scope

This standard specifies dimensions for thread run-outs and thread undercuts for bolts, screws and similar components with external or internal ISO metric (coarse or fine pitch) thread as in DIN 13-1 and DIN ISO 261.

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 13-1	General purpose ISO metric screw threads – Nominal sizes for 1 mm to 68 mm diameter coarse pitch threads
DIN 76-2	Thread run-outs and thread undercuts for pipe threads conforming to ISO 228-1
DIN 76-3	Thread run-outs and thread undercuts for trapezoidal threads, buttress threads, knuckle threads and other coarse pitch threads
DIN EN 28839	Mechanical properties of fasteners – Bolts, screws, studs and nuts made of non-ferrous metals (ISO 8839 : 1986)

Document comprises 5 pages.

Translation by DIN-Sprachendienst.

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