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AMENDMENT 1
2021-07

**ISO general purpose metric screw
threads — Tolerances —**

Part 2:

**Limits of sizes for general purpose
external and internal screw threads —
Medium quality**

AMENDMENT 1

Filetages métriques ISO pour usages généraux — Tolérances —

*Partie 2: Dimensions limites pour filetages intérieurs et extérieurs
d'usages généraux — Qualité moyenne*

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 1, *Screw threads*.

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Part 2:

Limits of sizes for general purpose external and internal screw threads — Medium quality

AMENDMENT 1

Normative references

Change all the references to be undated.

Move ISO 68-1 and ISO 262 into the Bibliography.

Update the title of ISO 5408 to the following:

ISO 5408, *Screw threads — Vocabulary*

Clause 5, first paragraph

Replace “basic profile” with “basic profile and fundamental deviation”.

5.2 and 5.4

Add the following NOTE, before Tables 2 and 4, respectively.

NOTE See Annex A for the external screw thread minor diameters, d_3 , used by ISO/TC 2 to calculate the nominal stress area, $A_{s,nom}$

Annex A

Add the following annex, before the Bibliography.

Annex A (informative)

External screw thread minor diameters, d_3 , used by ISO/TC 2 for the calculation of nominal stress area, $A_{s,nom}$

A.1 External screw thread minor diameters, d_3

The external screw thread minor diameters, d_3 , used by ISO/TC 2 for the calculation of nominal stress area, $A_{s,nom}$, are given in Table A.1.

The external screw thread minor diameters, d_3 , are calculated according to [Formula \(A.1\)](#).

$$d_3 = d_1 - H/6 + es = d - 2 \times 5H/8 - H/6 + es \quad (\text{A.1})$$

**Table A.1 — External screw thread minor diameters, d_3 , used by ISO/TC 2
for the calculation of nominal stress area, $A_{s,nom}$**

Dimensions in millimetres

Nominal diameter d	Pitch P	es μm	External screw thread minor diameters, d_3 , for stress calculation
1	0,25	0	0,693
1,2	0,25	0	0,893
1,4	0,3	0	1,032
1,6	0,35	-19	1,152
1,8	0,35	-19	1,352
2	0,4	-19	1,490
2,5	0,45	-20	1,928
3	0,5	-20	2,367
3,5	0,6	-21	2,743
4	0,7	-22	3,119
5	0,8	-24	3,995
6	1	-26	4,747
7	1	-26	5,747
8	1	-26	6,747
8	1,25	-28	6,438
10	1	-26	8,747
10	1,25	-28	8,438
10	1,5	-32	8,128
12	1,25	-28	10,438
12	1,5	-32	10,128
12	1,75	-34	9,819
14	1,5	-32	12,128
14	2	-38	11,508
16	1,5	-32	14,128