

Aerospace — MJ threads —

Part 1: General requirements

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- The Association of Electronics, Telecommunications and Business Equipment Industries
- British Industrial Fasteners Federation
- Ministry of Defence
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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.
This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

Amd. No.	Date	Comments

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1 Scope

This part of ISO 5855 specifies the general requirements for MJ threads for aerospace construction.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 5855. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 5855 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 965-1:1980, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data.*

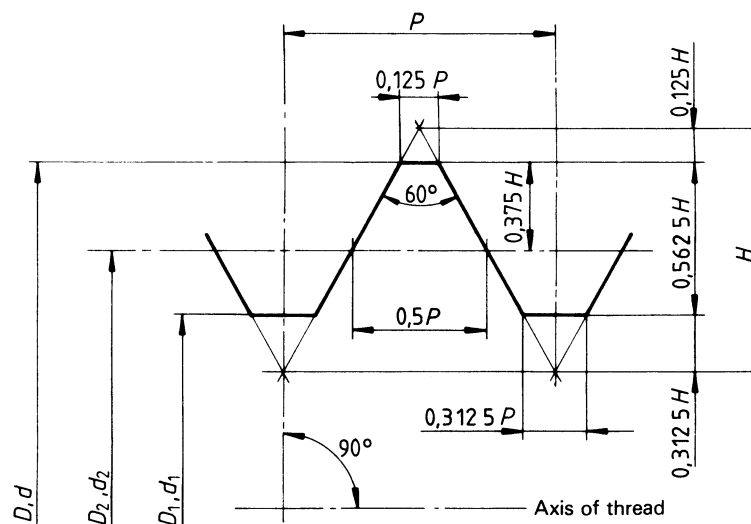
3 Basic profile

3.1 Definition

basic profile

the theoretical profile, in an axial plane, corresponding to the basic dimensions (without tolerances) of the thread, i.e. major diameter, pitch diameter and minor diameter (see Figure 1)

basic deviations shall be applied to these basic dimensions



D = basic major diameter of internal thread	d_2 = basic pitch diameter of external thread
D_2 = basic pitch diameter of internal thread	d_1 = basic minor diameter of external thread
D_1 = basic minor diameter of internal thread	H = height of fundamental triangle
d = basic major diameter of external thread	P = pitch

Figure 1 — Basic profile