

Metric buttress threads

Thread profiles

DIN
513
Part 1

Metrisches Sägengewinde; Gewindeprofile

Supersedes January 1975 edition.

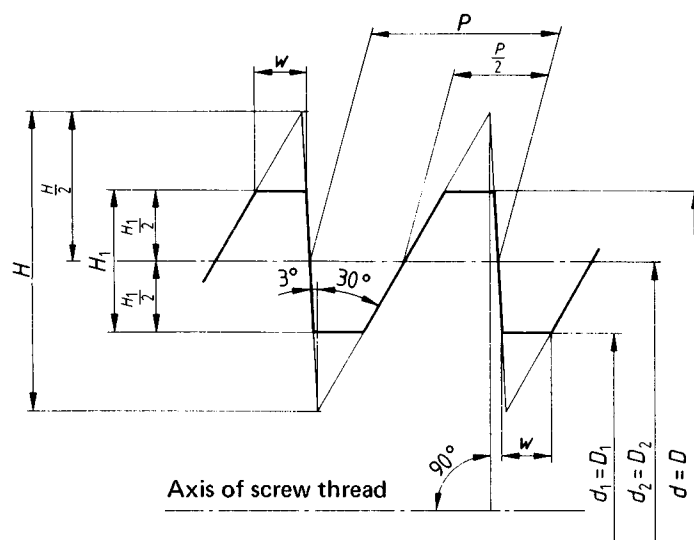
In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

Dimensions in mm

1 Basic profile

The basic profile is the theoretical profile associated with the basic sizes of the major, pitch and minor diameters.

The minor diameter clearance and the clearance between the non-stressed thread flank (see clause 2) and the fundamental deviations of the pitch diameter of the stressed thread flank (see clause 3) are related to these basic sizes.



- $D = d$ = major diameter of screw thread
- $D_2 = d_2$ = pitch diameter of screw thread
- $D_1 = d_1$ = minor diameter of screw thread
- P = Lead of single-start screw thread and pitch of multiple-start screw thread
- H = height of fundamental triangle
- H_1 = height of basic profile
- w = profile width

Figure 1. Basic profile

Continued on pages 2 to 4