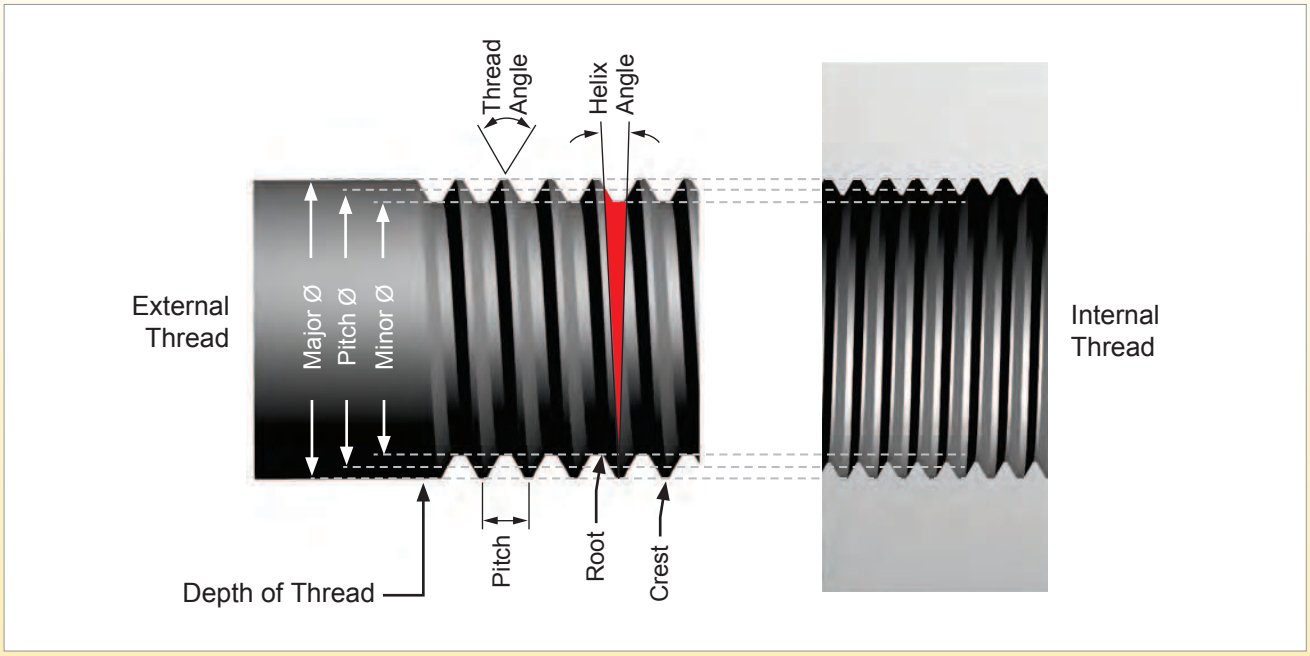
STELLRAM

Depth of Thread



Depth of Thread
The distance between the Crest and Root.

Pitch
The distance between two thread form peaks, defined as TPI (thread per inch) in millimeters or as an inch decimal.

Pitch or Effective Diameter
Is where the theoretical cylinder diameter cuts the thread form, when the thread form width and groove depth are equal, applies to parallel/straight threads forms only.

Helix Angle: (Parallel/Straight Thread Forms)
Where the lead of the thread and the pitch diameter cylinder form a right angle triangle. The helix angle is the angle opposite the lead.

Major Diameter
The largest diameter of the thread form.

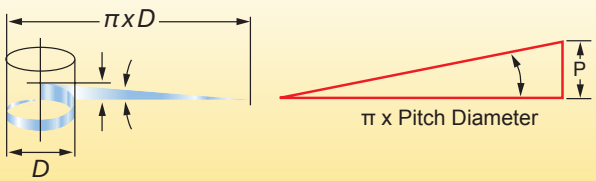
Minor or Root Diameter
The smallest diameter of the thread form.

Thread Angle
The included angle between the individual flanks.

Root
The inner most surface of the thread, connecting the flanks.

Crest
The outer most surface of the thread, connecting the flanks.

Helix Angle



D = Pitch/Effected Diameter
P = Pitch or Lead
φ = Helix Angle