(True Position)

Method A: Helical Scan Circle (Standard)

Design Rules:

Helically scan the thread at an axial feed rate per revolution equal to the thread pitch for a distance of 2 thread pitches. Scans are to be done at designated positions based on hole depth to diameter ratio. See Design Rules to the right.

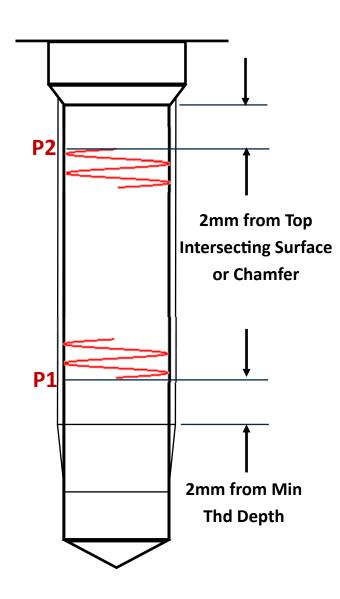
Set the scanning speed to 30% of the featured diameter, rounding is permissible.

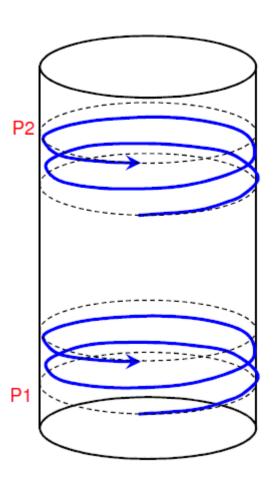
"Step Width", not 'number of points'. Step width should be 0.01 of scan speed.

Helical Scans: For hole depth to diameter ratio of :

- 1:1 only one single helical scan for position required at "P1".
- Greater than 1:1 to 1:20, two helical scans are required (@ Position "P1" and "P2")

True Position: Distance of scans at "P1" and "P2" must be 2 full thread pitches For every 1:20 drill to diameter increase add another scan level. For example a 1:40 would have 3 levels and a 1:60 would have 4 levels and so on





Application: M8 x 1.25 Internal Thread - Min Thd Depth of 16.9mm

-Measured in the XY Plane, Anchored at Top of Boss [143.000]

Note: Hole has is Counter bored 1.3mm Deep

