



Technical Tip #158 – Selecting Full Profile vs. Partial Profile Threading Inserts

Selecting a full profile threading insert versus a partial profile insert depends on the end user's needs.

The full profile insert is the preferred choice if the same thread pitch is made repeatedly.

A partial profile insert enables flexibility with standard and non-standard thread pitches within a range.

The full profile achieves high thread concentricity due to the insert cutting the major and minor diameters concurrently. Also, deburring is not needed with a full profile insert, which reduces machining costs.