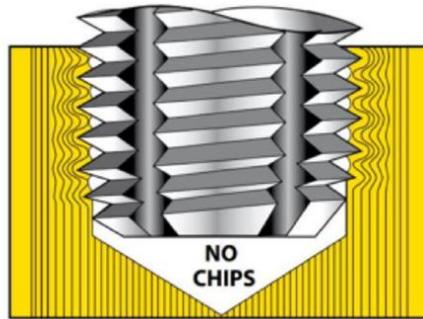


Forming versus Cutting Internal Threads

FORMING TAPS

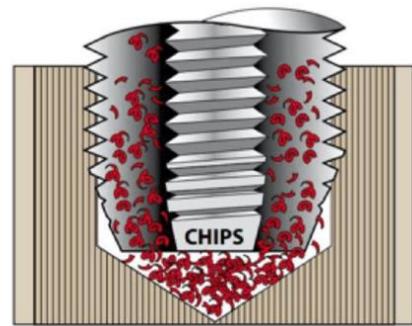
Re-arrange the grain of the material.



Creates Crest Craters

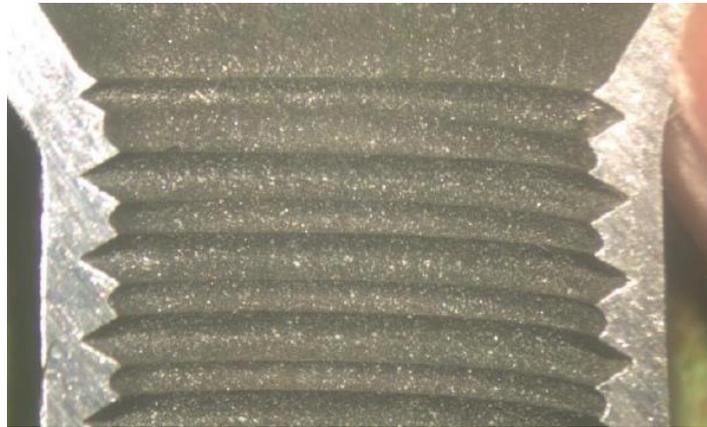
CUTTING TAPS

Create chips that interferes with tapping.

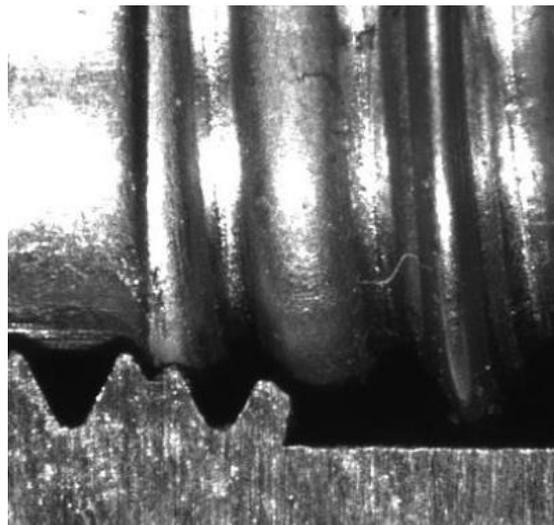


Creates Chips

Real-World Crest-Craters



False-Threading



The lead thread of the externally threaded (male) member engages into an underfilled internal female thread (a.k.a. crest-crater)

Effects of False-Threading



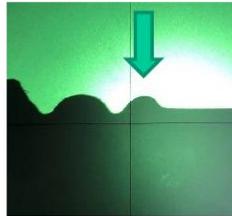
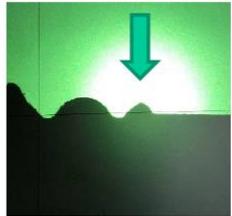
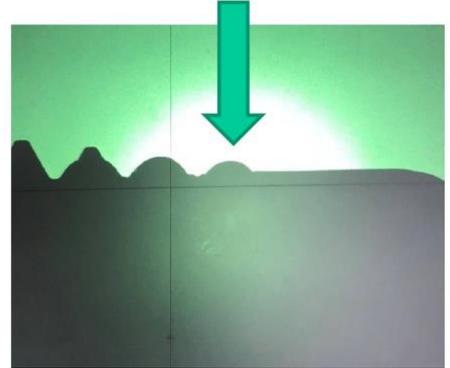
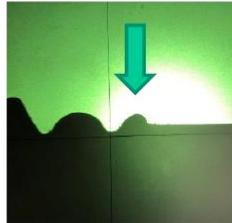
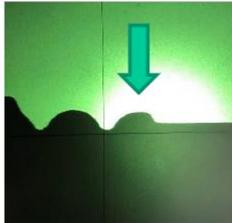
- Torque spikes
- Ripped/torn lead threads
- Shrapnel in Joint
- Stall during installation



The Solution

The MATpoint® NEVER-JAM® from MATHread Inc.

All these lead thread shapes (& more) are replaced by **this** one shape



The rounded, “sunrise” lead thread shape provides the absolute best defense against entrapment and/or seizing in rolled formed crest-craters



Contact Semblex Engineering for more information