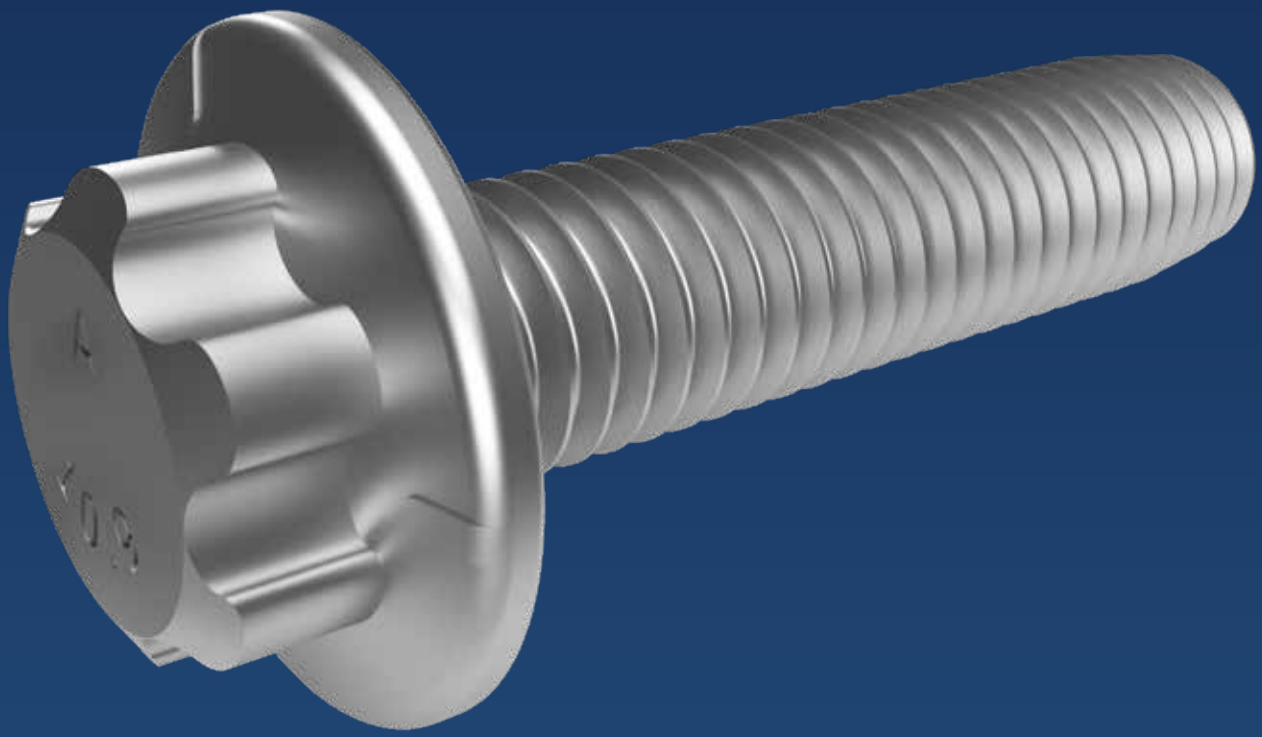
POWERTITE®

Thread Rolling Screws



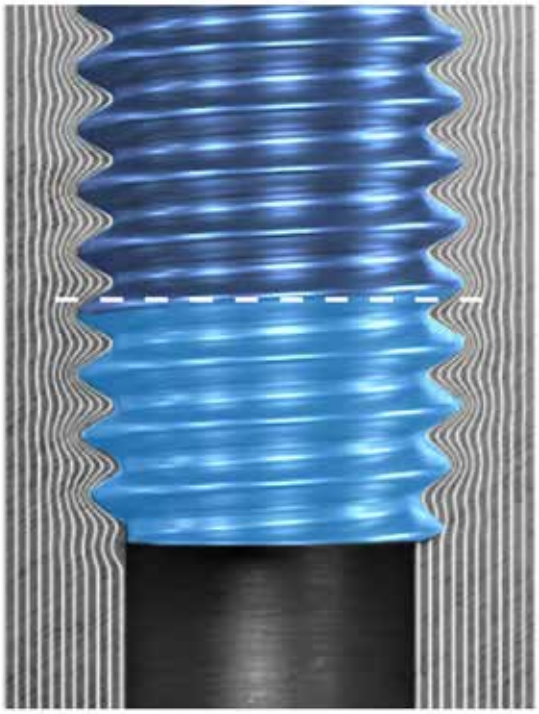
REMINC

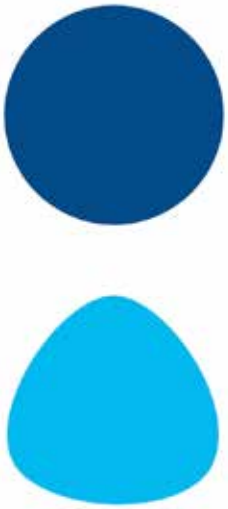
The POWERTITE® Fastener
A Round-bodied TAPTITE® Screw

- **High load capacity** over the entire screw fastening
- **Clamping forces at metric screw fastening level**
- **Simplifies the manufacturing process** for cast core holes in lightweight metals

TRILOBULAR® Tapping Zone

- Nut threads formed chiplessly
- Low tapping torque and drive torque
- High level of process reliability during assembly





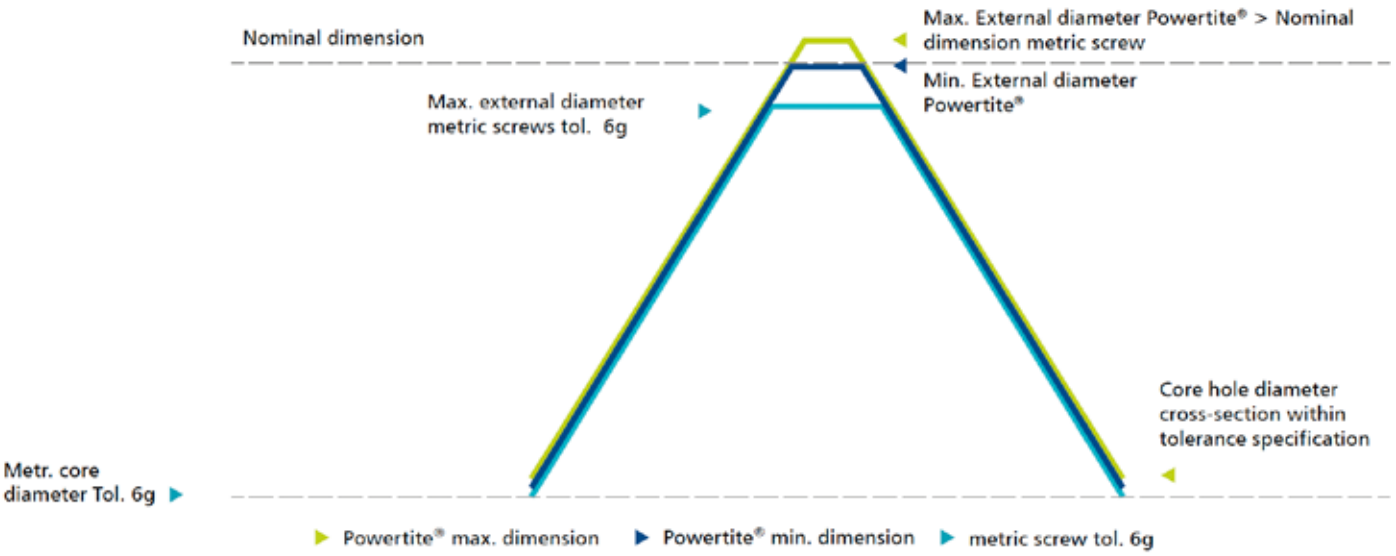
Can achieve clamping force levels similar to metric screws

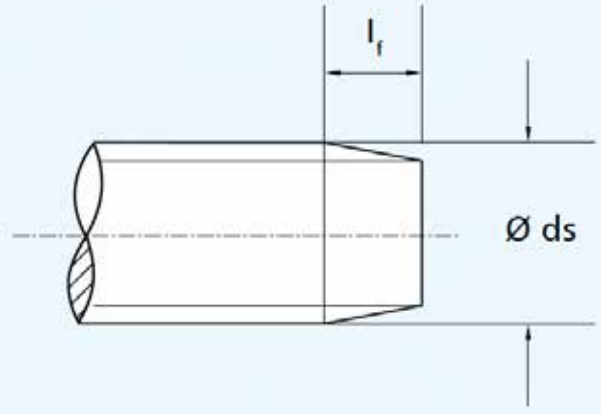
When combined with an optimised low-friction coating, it is possible to introduce much higher clamping forces with Powertite® screws, compared with fully TRILOBULAR® screws.

High assembly reliability

Powertite® screws generate a large delta between the tapping torque and tightening torque and between tightening torque and maximum torque. This results in greater assembly security.

Thread profile and cross-section ensure better values





The optimized thread geometry of Powertite®

Nominal Ø thread Powertite®	M5	M6	M7	M8	M10
Length of TRILOBULAR® tapping zone l_f [mm]	2.40	3.00	3.00	3.75	4.50
Tolerance L_f [mm]	±0.40	±0.50	±0.50	±0.625	±0.75
Pitch p [mm]	0.80	1.00	1.00	1.25	1.50
External diameter of thread ds max. [mm]	5.15	6.15	7.15	8.15	10.15
External diameter of thread ds min. [mm]	5.00	6.00	7.00	8.00	10.00

Research Engineering & Manufacturing, Inc.
55 Hammarlund Way
Middletown, RI 02842

+1 (401) 841-8880
reminc@reminc.net
taptite.com