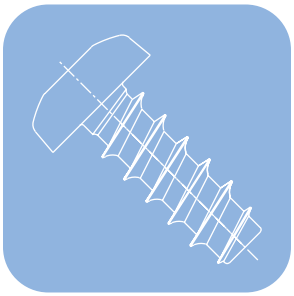
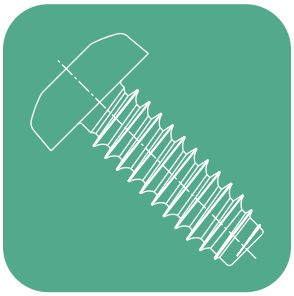


REMFORM® Screws

REMFORM® Screws
Designed Primarily for Plastic Applications

The REMFORM® Screw is a thread rolling fastener with a unique thread form to provide superior performance in today's wide range of plastics. The asymmetrical thread minimizes radial hoop stress to reduce boss bursting. The narrow tip angle also reduces stress in the plastic nut member.



REMFORM® "F"Screws

REMFORM® "F" Screws
Designed Primarily for Magnesium Applications

The REMFORM® "F" Screw utilizes the efficient thread form of the standard REMFORM® fastener, but employs finer thread pitch spacing to suit magnesium, soft aluminum, thermoset plastics, and other low ductility materials. The narrow tip angle minimizes the disturbance of low ductility nut member materials, yet engages securely and creates strong internal threads.

The Unique Radius Flank™ Thread Form

Both REMFORM® and REMFORM® "F" Fasteners employ the Unique Radius Flank™ asymmetrical thread form shown in the drawing to the right. The leading thread flank is most influential in forming the mating thread. The intercepting radius form on the lead flank is there to promote efficient material displacement and material flow. The steep trailing, or pressure, flank which opposes the fastener head is engineered to resist pull-out forces, whether they be applied by a tensile load or induced by torque. This unique thread and its narrow tip angle efficiently displace material and therefore require minimal energy to form an internal thread. The steep trailing flank with excellent material contact results in a high resistance to the internal threads stripping. In applications where the failure mode is fastener fracture, the high torsional strength of REMFORM® fasteners ensures a high failure torque.