



microPEM® CONCEALED ROTARY STANDOFF

The new microPEM® Concealed Rotary Standoff technology from PennEngineering® allows fasteners to be installed into thin sheet metal at a low axial force – keeping one side of the panel aesthetically clean with no or minimal markings – while still providing strong pull-out and torque-out resistances.



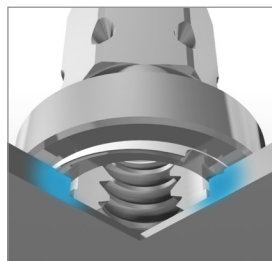
microPEM® Concealed Rotary Standoff Technology At-a-Glance

- New, innovative standoff installation technology
- Enables a clean, smooth aesthetic by installing into a thin, cosmetic-faced panel
- Low axial installation force allows the side of the sheet opposite installation to remain smooth and unmarred
- Concealed-head
- Will not loosen or fall out
- Can be installed into sheets as thin as 0.020”/0.5mm*
- Thin flange for installation into thin panels
- Notches in flange for torque-out resistance
- Rotary installation allows for fastener to be made of most materials
- Chamfer to allow lead into blind hole

* Cosmetic marking may occur when using rotary install on very thin panels. Please contact your PEM® representative to discuss the specific aesthetic needs and technical requirements of your application.

How the Technology Works

microPEM® Concealed Rotary Standoff technology minimizes axial force by using a rotating installation tool that provides torque to displace the sheet metal material over a flange. The material flows inward towards the body of the part and down into the notches.



This unique fastener installation technology allows the side of the sheet opposite the installation to remain smooth and unmarred.

Consider the Possibilities of microPEM® Concealed Rotary Standoff

From telecom to consumer electronic systems, microPEM® Concealed Rotary Standoff technology is adaptable to many unique applications that require sleek aesthetics on an outward-facing panel.



Laptops



Handheld Devices



Medical Equipment



Servers



Telecom/5G



Outdoor LED Lighting



For more information, watch our installation [video](#) or contact your PEM® Representative.

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