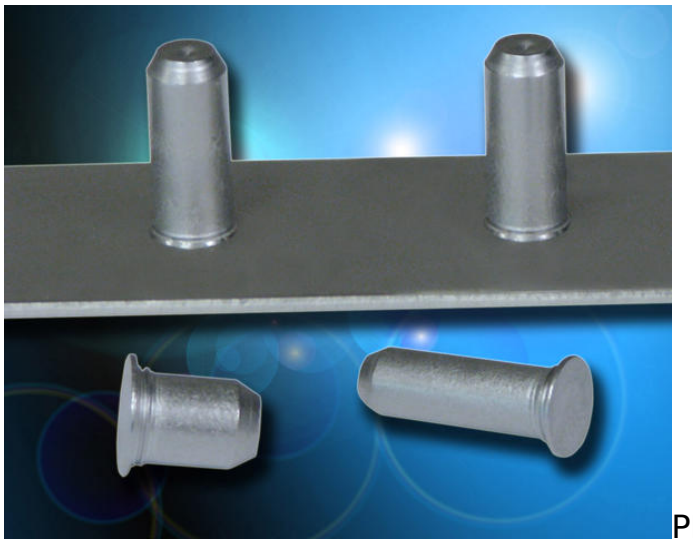
Pilot Pins Designed for Positioning, Alignment, Pivot Applications



PEM self-clinching pilot pins offered in several variations provide ideal hardware solutions for positioning, alignment, or pivot applications. All install reliably in thin metal sheets and become permanent parts of an assembly.

PEM Type TPS (300 Series stainless steel) pins install in steel or aluminum sheets and PEM Type TP4 (400 Series stainless steel) pins are designed for stainless steel assemblies. Both types install flush in sheets as thin as .040” / 1mm or greater, feature a chamfered end to locate the mating hole quickly and easily, and are available in a variety of sizes and diameters.

PEM Type MPP micro pins for compact electronic assemblies can be supplied with diameters as small as .040” / 1mm and in lengths as short as .080” / 2mm. They install permanently into stainless steel or other sheet materials as thin as .020” / 0.5mm and, upon installation, the pin’s head mounts flush with the host panel to promote a smooth and clean appearance for the assembly. The pins can be installed automatically to speed production and eliminate any need to handle the small parts.

PEM Type TPXS self-clinching alignment pins are engineered with 15º tapered point for easy location of the mating hole when mounting faceplates in telecom rack system applications. Use of the specially styled pin and proper captive retention screw provide an ideal faceplate mounting solution in accordance with Advanced TCA (Telecom Commuting Architecture) specifications and they satisfy the TCA PICMG 3.0 specification for 3mm alignment pins. Pins are 16mm long, made from 300 Series stainless steel, and install permanently in aluminum or steel sheets as thin as .040” / 1mm.
Detailed specifications (Bulletin FH for Types TPS, TP4, and TPXS pins and Bulletin MPP for Type MPP pins) and free CAD models and drawings (PEM CAD Library) can

be easily accessed at www.pemnet.com. Custom products can be developed to satisfy particular application needs.

PennEngineering
www.pemnet.com [1]

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