

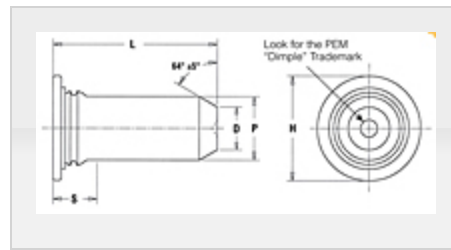
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Part # TPS-187-12, Self-Clinching Pilot Pins - Type TPS™, TP4™ - Unified

PEM® self-clinching studs are installed by placing them in properly sized holes in the sheets and squeezing into place with any standard press. The squeezing action embeds the head of the stud into the sheet. The metal displaced by the head flows smoothly and evenly around the ribs and into the annular groove – creating a flushhead assembly and securely locking the stud into the sheet with high torque-out and pushout resistances.

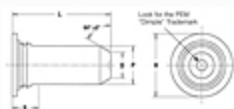
TPS, TP4 Pilot Pins satisfy a wide range of positioning, pivot,

[+ more](#)



Specifications

Pin Dia. Code	187
Length Code	12
Min. Sheet Thickness	.040 in
Hole Size in Sheet + .003 - .000	.205 in
P - Pin Diameter ± .002	.187 in
L - Length ± .015	.750 in



D ± .006	.132 in
H ± .015	.270 in
S Max.(1)	.090 in
Min. Dist. Hole C/L to Edge	.28 in
For Use in Sheet Hardness	HRB 70 / HB 125 or Less
Fastener Material	300 Series Stainless Steel
Standard Finish	Passivated and/or tested per ASTM A380
CAD Supplier	PennEngineering® (PEM®)

¹ Pin diameter may exceed max. in this region.