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**Part # CLS-M3-2, Self-Clinching Nuts - Types S, SS, CLS, CLSS, SP - Metric**

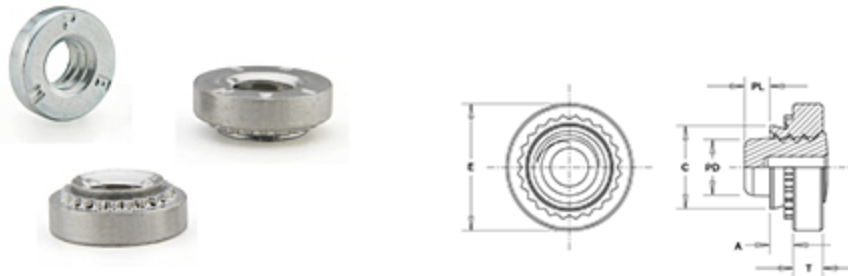
Type S, SS, CLS, and CLSS nuts provide load-bearing threads in thin sheets with high pushout and torque-out resistance.

Type SP, PEM 300® nuts provide strong load-bearing threads in stainless steel sheets as thin as .030".

Types S / SS are recommended for use in steel or aluminum sheets HRB (Rockwell "B" scale) 80 or less and HB (Hardness Brinell) 150 or less.

Type SP is recommended for use in stainless steel sheets HRB (Rockwell "B" scale) 90 or less and HB (Hardness Brinell) 185 or

[+ more](#)



Specifications

<b>Thread Size x Pitch</b>	M3 x 0.5
<b>Thread Code</b>	M3
<b>Shank Code</b>	2
<b>A (Shank) Max.</b>	1.38 mm
<b>Rec. Min. Sheet Thickness<sup>1</sup></b>	1.4 mm
<b>Hole Size in Sheet + 0.08</b>	4.22 mm
<b>C Max.</b>	4.2 mm
<b>E ± 0.25</b>	6.35 mm
<b>T ± 0.25</b>	1.5 mm
<b>Min. Dist. Hole C/L to Edge<sup>2</sup></b>	4.8 mm



<b>For Use in Sheet Hardness<sup>3</sup></b>	HRB 70 / HB 125 or Less
<b>Thread Specification</b>	Internal, ASME B1.13M, 6H
<b>Fastener Material</b>	300 Series Stainless Steel
<b>Standard Finish</b>	Passivated per ASTM A380 and/or tested
<b>CAD Supplier</b>	PennEngineering® (PEM®)

<sup>1</sup> For maximum performance, we recommend that you use the maximum shank length for your sheet thickness.

<sup>2</sup> To minimize sheet distortion and maximize product performance, use a centerline-to-edge value greater or equal to the value specified.

<sup>3</sup> HRB - Hardness Rockwell "B" Scale. HB - Hardness Brinell.