



## PennEngineering

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## Part # MRHPS-1.2MM-400, Large knob, spring-loaded – Types PF11 and PF12 - Unified

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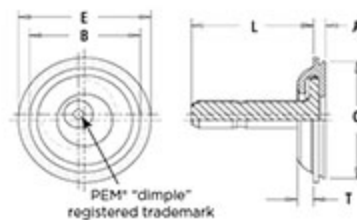
### Magnetic Release Fastening Technology

GHOST™ Fastening Technology is ideal for achieving tight security and sleek aesthetics. This new PEM® capability produces a fully concealed fastener with zero visible evidence of disassembly once engaged.

#### GHOST™ Fastening Technology At-a-Glance

- Tool-less assembly and reassembly
- Near-instant release and disassembly using magnetic tool
- Non-contact disassembly unlike traditional fastening solutions
- Ample float accommodates tolerance and assembly imprecisions

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<b>Type</b>	MRHPS	
<b>Pin Dia. Code</b>	1.2MM	
<b>Length Code</b>	400	
<b>Min. Sheet Thickness</b>	.071 in	1.8 mm
<b>Blind Mounting Hole Dia. <math>+0.003 -0.000/+0.08\text{mm}</math></b>	.201 in 5.11 mm	
<b>Min. Depth of Blind Hole<sup>1</sup></b>	.023 in	0.59 mm
<b>A (Shank) Max.</b>	.022 in 0.56 mm	
		
<b>B Max.</b>	.183 in	4.65 mm
<b>C Max.</b>	.200 in 5.1 mm	
<b>E Nom.</b>	.214 in	5.44 mm
<b>G Air Gap</b>		
<b>MRPS: <math>+0.015'' -0.007'' / +0.38 -0.18\text{mm}</math></b>	.148 in	
<b>MRHPS: <math>\pm 0.004'' / \pm 0.10\text{mm}^2</math></b>	3.75 mm	
<b>L Length <math>\pm .008'' \pm 0.2\text{mm}</math></b>	0.157 in	4 mm
<b>T Max.</b>	.029 in 0.74 mm	
<b>Min. Dist. Hole C/L to Edge<sup>3</sup></b>	.142 in	3.6 mm
<b>Material</b>	Stainless Steel	
<b>CAD Supplier</b>	PennEngineering® (PEM®)	
<b>H</b>	0.196 in 5 mm	

<sup>1</sup> Blind mounting holes may be deeper than minimums except where sheet material is at or near minimum thickness. Fasteners should always be installed so the flange is flush with the surface of the sheet.

<sup>2</sup> Air Gap dimension required to achieve intended function and fastening performance shown on page 8.

<sup>3</sup> For more information on proximity to bends and distance to other clinch hardware, see PEM® Tech Sheet C/L To Edge.

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