

MFG # RAAM3-7-4, PEM® Aluminum Slef-Tapping Right Angle Fastener, RAA - Metric
List Price \$0.20752

Self-clinching PEM® Right Angle® fasteners provide you with strong right angle attachment points in sheets as thin as .040" / 1.02 mm.

Right Angle fasteners are cost-effective replacements for:

- bent edge tabs
- bent center tabs
- bent flanges
- angle brackets
- tack welds
- loose hardware

Simply press this fastener into a properly sized rectangular mounting hole. It is held permanently in the sheet or panel using the same high-performance, self-clinching technology that our products have employed since 1942.

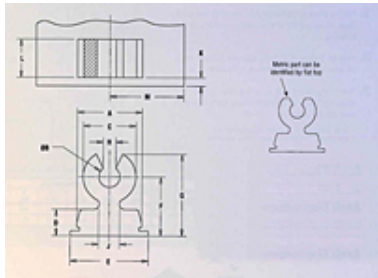
Now you can securely attach another sheet or component perpendicular to the sheet in which the R'ANGLE fastener is installed. For Type RAA, attachment is easily made using thread forming screws resulting in a thread fit which resists vibration and has excellent torque resistance. (As thread forming screws do not generate metal residue, they are widely used in electrical and electronic assemblies.) Type RAS fasteners are threaded and attachment is simply made using a standard screw. For either type, the holding power of the fastener is unaffected by the repeated removal and reinstallation of the screw.

PEM® R'ANGLE fasteners provide many advantages over bent tabs and flanges, including:

- more predictable designs
- material savings
- tighter design control
- improved shielding characteristics
- reduction of loose hardware
- fewer assembly steps
- unmarred panel surfaces

Performance Data

The installation, pushout, and side-load values reported are averages when all installation specifications and procedures are followed. Variations in mounting hole size, sheet material and installation procedure will affect this data. Performance testing of this product in your application is recommended. We will be happy to provide samples for this purpose.



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INVENTORY

On Hand	0
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SPECIFICATIONS

Thread Size	M3 x 0.5
A ±0.08	7.89 mm
Hole Size in Sheet Tolerance +0.05 -0.03	8 x 4 mm
Type	RA
L - Length ±0.08	3.89 mm
Min. Sheet Thickness	1.02 mm
Ø B ±0.1	2.77 mm
C Nom.	6.35 mm
D Nom.	3.18 mm
E ±0.15	9.42 mm
F - Height ±0.15	7.00 mm
G Nom.	9.27 mm
H ±0.18	1.50 mm
J Nom.	2.87 mm
K - Min. Part Face to Edge	1.02 mm
M - Min. Dist. Hole C/L to Edge	9.10 mm

MATERIAL AND FINISH SPECIFICATIONS

Fastener Material	6061-T6 Aluminum
Standard Finish	Natural
For Use in Sheet Hardness	HRB 456 / HB 77 or Less

PERFORMANCE DATA

Thread Forming Torque	0.17 N·m
Max. Rec. Tightening Torque	0.56 N·m
Test Sheet Material	5052-H34 Aluminum

Installation	7.1 kN
Pushout	556 N
Max. Load	27 N
Pull Thru	356 N
