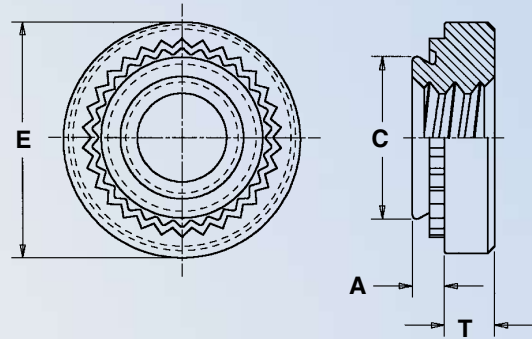
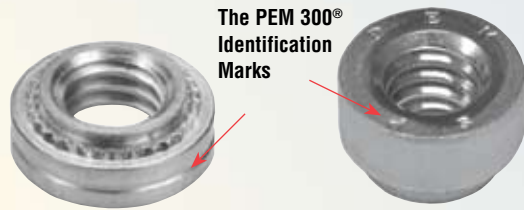


# PEM 300® SELF-CLINCHING NUTS FOR STAINLESS STEEL TYPE SP™



All dimensions are in inches.

| UNIFIED | Thread Size      | Type | Thread Code | Shank Code | A (Shank) Max. | Sheet Thickness | Hole Size In Sheet +.003-.000 (2) | C Max. | E ±.010 | T ±.010 | Min. Dist. Hole C/L To Edge (1) |
|---------|------------------|------|-------------|------------|----------------|-----------------|-----------------------------------|--------|---------|---------|---------------------------------|
|         | .112-40 (#4-40)  | SP   | 440         | 0          | .030           | .030 - .039     | .166                              | .165   | .25     | .07     | .19                             |
|         |                  |      |             | 1          | .038           | .040 - .055     |                                   |        |         |         |                                 |
|         |                  |      |             | 2          | .054           | .056 Min.       |                                   |        |         |         |                                 |
|         | .138-32 (#6-32)  | SP   | 632         | 0          | .030           | .030 - .039     | .1875                             | .187   | .28     | .07     | .22                             |
|         |                  |      |             | 1          | .038           | .040 - .055     |                                   |        |         |         |                                 |
|         |                  |      |             | 2          | .054           | .056 Min.       |                                   |        |         |         |                                 |
|         | .164-32 (#8-32)  | SP   | 832         | 0          | .030           | .030 - .039     | .213                              | .212   | .31     | .09     | .27                             |
|         |                  |      |             | 1          | .038           | .040 - .055     |                                   |        |         |         |                                 |
|         |                  |      |             | 2          | .054           | .056 Min.       |                                   |        |         |         |                                 |
|         | .190-32 (#10-32) | SP   | 032         | 0          | .030           | .030 - .039     | .250                              | .249   | .34     | .09     | .28                             |
|         |                  |      |             | 1          | .038           | .040 - .055     |                                   |        |         |         |                                 |
|         |                  |      |             | 2          | .054           | .056 Min.       |                                   |        |         |         |                                 |
|         | .250-20 (1/4-20) | SP   | 0420        | 1          | .054           | .056 Min.       | .344                              | .343   | .44     | .17     | .34                             |

All dimensions are in millimeters.

| METRIC | Thread Size x Pitch | Type | Thread Code | Shank Code | A (Shank) Max. | Sheet Thickness | Hole Size In Sheet +0.08 (2) | C Max. | E ±0.25 | T ±0.25 | Min. Dist. Hole C/L To Edge (1) |
|--------|---------------------|------|-------------|------------|----------------|-----------------|------------------------------|--------|---------|---------|---------------------------------|
|        | M3 x 0.5            | SP   | M3          | 0          | 0.77           | 0.8 - 1         | 4.22                         | 4.2    | 6.3     | 1.5     | 4.8                             |
|        |                     |      |             | 1          | 0.97           | 1.01 - 1.39     |                              |        |         |         |                                 |
|        |                     |      |             | 2          | 1.38           | 1.4 Min.        |                              |        |         |         |                                 |
|        | M4 x 0.7            | SP   | M4          | 0          | 0.77           | 0.8 - 1         | 5.41                         | 5.39   | 7.9     | 2       | 6.9                             |
|        |                     |      |             | 1          | 0.97           | 1.01 - 1.39     |                              |        |         |         |                                 |
|        |                     |      |             | 2          | 1.38           | 1.4 Min.        |                              |        |         |         |                                 |
|        | M5 x 0.8            | SP   | M5          | 0          | 0.77           | 0.8 - 1         | 6.35                         | 6.33   | 8.7     | 2       | 7.1                             |
|        |                     |      |             | 1          | 0.97           | 1.01 - 1.39     |                              |        |         |         |                                 |
|        |                     |      |             | 2          | 1.38           | 1.4 Min.        |                              |        |         |         |                                 |
|        | M6 x 1              | SP   | M6          | 1          | 1.38           | 1.4 Min.        | 8.75                         | 8.73   | 11.1    | 4.1     | 8.6                             |

(1) To minimize sheet distortion and maximize product performance, use a centerline-to-edge value greater or equal to the value specified.

(2) Hole punch diameter must be maintained at  $\pm .001"$  /  $\pm .025\text{mm}$  over mounting hole diameter. Hole punch should be kept sharp to minimize local work hardening around hole. Fasteners should be installed in the punch side of the hole.