



**Fastener** *Tool & Supply*

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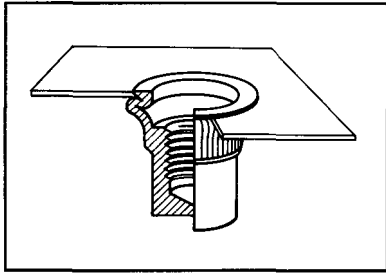


Shur-Lok

# Miscellaneous Fasteners Catalog

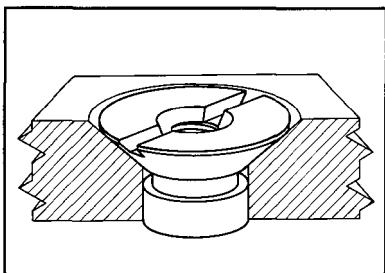
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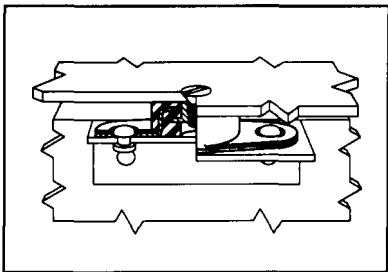
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## INTRODUCTION

### MISCELLANEOUS FASTENERS

Shur-Lok provides a variety of Miscellaneous Fasteners for a wide variety of applications. The Fasteners in this Catalog are comprised of three categories: Blind Inserts, Flush Nuts, and Isolator Mounts.

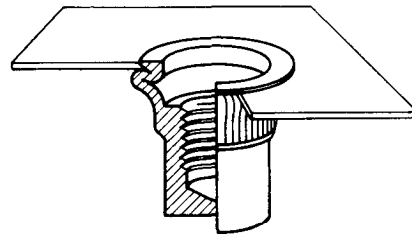
Further options include alloy or corrosion resistant steel and a selection of finishes as well as dri-film lubricant. Installation of both types is accomplished by manual, semi-pneumatic or pneumatic tooling available from Shur-Lok Corporation.

### BLIND INSERTS

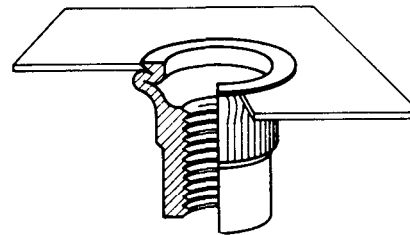
Blind Inserts, as the name implies, are installed from one side of the panel structure. This type of threaded insert is secured to the panel structure by the combined action of external knurls and the outward deformation of the thin-walled counter-bored section when pull-up force is applied (Figure 1). These inserts offer the choice of protruding or flush head styles, as well as, through or blind threaded. Thread sizes offered include 1/8-32 thru 3/8-24 inch threads. The range of inch thread sizes are also offered in the same equivalent metric thread sizes M3 thru M10. The inserts are offered with or without a thread self-locking feature. When applicable, the thread-locking torque is per MIL-DTL-25027 specification for inch threads and per NA0009 for metric threads.

Example (Figure 1)

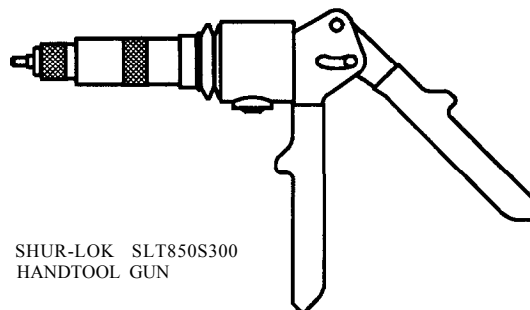
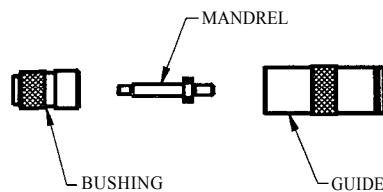
SL850



SL854



Example (Figure 2)



SHUR-LOK SLT850S300  
HANDTOOL GUN



# FASTENERS BLIND INSTALLATION

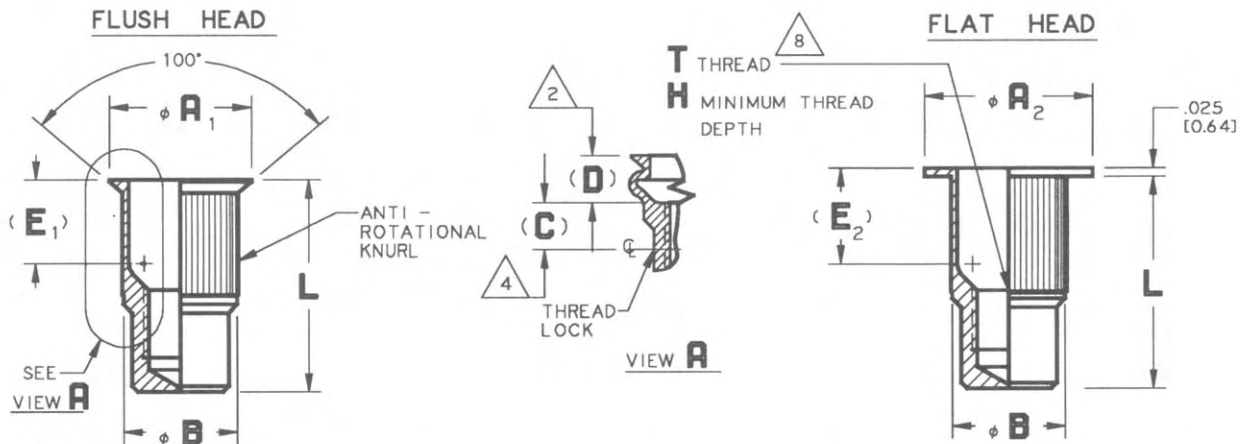


TABLE I

FIRST DASH NO.	T THREAD	φ A <sub>1</sub>	φ A <sub>2</sub>	φ B	(C)	H	INSTALLATION HOLE SIZE
06	.1380-32 UNJC-3B						
M3	M3 X 0.5 4H6H	.312 [7.92]	.375 [9.52]	.255 [6.48]	.12 [3.0]	.187 [4.75]	.256-.259 [6.50-6.58]
08	.1640-32 UNJC-3B						
M4	M4 X 0.7 4H6H	.312 [7.92]	.375 [9.52]	.255 [6.48]	.12 [3.0]	.187 [4.75]	.256-.259 [6.50-6.58]
3	.1900-32 UNJF-3B						
M5	M5 X 0.8 4H6H	.375 [9.52]	.437 [11.10]	.300 [7.62]	.12 [3.0]	.187 [4.75]	.301-.304 [7.64-7.72]
4	.2500-28 UNJF-3B						
M6	M6 X 1.0 4H5H	.437 [11.10]	.500 [12.70]	.320 [8.13]	.20 [5.1]	.312 [7.92]	.322-.326 [8.18-8.28]
5	.3125-24 UNJF-3B						
M8	M8 X 1.0 4H5H	.500 [12.70]	.562 [14.27]	.418 [10.62]	.20 [5.1]	.390 [9.91]	.420-.424 [10.67-10.77]
6	.3750-24 UNJF-3B						
M10	M10 X 1.25 4H5H	.562 [14.27]	.625 [15.88]	.476 [12.09]	.20 [5.1]	.478 [12.14]	.483-.487 [12.27-12.37]

TABLE II

MATL CODE	MATERIAL
C	CRES
-	STEEL

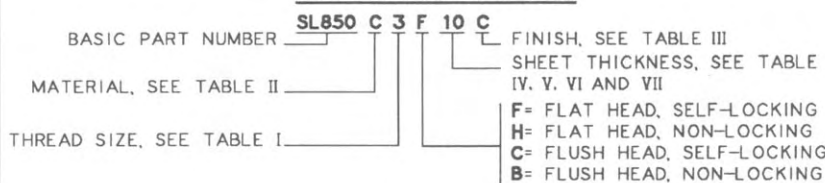
TABLE III

FINISH CODE	FINISH
C	CAD PLATE PER QQ-P-416
CM	CAD PLATE PER QQ-P-416 PLUS DRI-FILM LUBE PER MIL-L-46010, TYPE I
M	DRI-FILM LUBE PER MIL-L-46010, TYPE I
S	SILVER PLATE PER AMS2410 OR AMS2411
NO LETTER	PASSIVATE PER AMS-QQ-P-35

NOTES:

1. REFER TO SLD850 DATA SHEET FOR INSTALLATION TOOLS AND INSTALLATION PROCEDURE.
- D** DIMENSION IS TO THE FIRST THREAD AFTER INSTALLATION.
- NOT AVAILABLE IN FLUSH HEAD STYLE.
- LOCKING TORQUE:  
INCH THREAD: PER NASM25027  
METRIC THREAD: PER NAO009.
- DASH 2 SHOULD ONLY BE USED IN PREPOT APPLICATIONS.
6. SEE SHEET 2 OF 2 FOR SHEET THICKNESS SELECTION TABLES
- 06 AND M3 THREAD SIZE NOT AVAILABLE IN CRES MATERIAL.
- INCH THREAD PER MIL-S-8879.  
METRIC THREAD PER LN9163.

EXAMPLE OF PART CODING



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UNLESS OTHERWISE SPECIFIED  
INTERPRET DIMENSIONS & TOLERANCES PER  
ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
PLATING AND PRIOR TO THE ADDITION OF SOLID  
FILM LUBRICANT. 125 [3.2] ALL SURFACES  
TOLERANCES  
XX .XXX ANGLES [X.X] [X.X.X]  
±.03 ±.010 ±2° ±[0.8] ±[0.25]  
DIMENSIONS IN [ ] ARE MILLIMETERS

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**SL850**

**INSERT, BLIND THREADED  
PULL - UP TYPE**

SHEET **1** OF **2**

# FASTENERS BLIND INSTALLATION



**TABLE IV.**  
FLAT HEAD STYLE FOR THREAD  
SIZES 06, M3, 08, M4, 3 AND M5 ONLY

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>2</sub> )
1	.010-.039 [0.25-0.99]	.450 [11.43]	.08 [2.0]	.160 [4.06]
4	.040-.069 [1.02-1.75]	.450 [11.43]	.11 [2.8]	.190 [4.83]
7	.070-.099 [1.78-2.51]	.550 [13.97]	.14 [3.6]	.220 [5.59]
10	.100-.129 [2.54-3.28]	.550 [13.97]	.17 [4.3]	.250 [6.35]
13	.130-.159 [3.30-4.04]	.650 [16.51]	.21 [5.3]	.280 [7.11]
16	.160-.189 [4.06-4.80]	.650 [16.51]	.24 [6.1]	.310 [7.87]

**TABLE V.**  
FLUSH HEAD STYLE FOR THREAD  
SIZES 06, M3, 08, M4, 3, AND M5 ONLY

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )
2 $\triangle_5$	.020-.049 [0.51-1.24]	.450 [11.43]	.09 [2.3]	.135 [3.43]
5	.050-.069 [1.27-1.75]	.450 [11.43]	.12 [3.0]	.165 [4.19]
7	.070-.099 [1.78-2.51]	.550 [13.97]	.15 [3.8]	.185 [4.70]
10	.100-.129 [2.54-3.28]	.550 [13.97]	.18 [4.6]	.215 [5.46]
13	.130-.159 [3.30-4.04]	.650 [16.51]	.21 [5.3]	.245 [6.22]
16	.160-.189 [4.06-4.80]	.650 [16.51]	.24 [6.1]	.275 [6.98]

**TABLE VI**  
FLUSH HEAD AND FLAT HEAD STYLE  
FOR THREAD SIZES 4, M6, 5 AND M8 ONLY

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )	(E <sub>2</sub> )
5 $\triangle_3$	.050-.109 [1.27-2.77]	.678 [17.22]	.10 [2.5]	.202 [5.13]	.227 [5.77]
11	.110-.169 [2.79-4.29]	.738 [18.74]	.16 [4.1]	.262 [6.65]	.287 [7.29]
17	.170-.229 [4.32-5.82]	.798 [20.27]	.22 [5.6]	.322 [8.18]	.347 [8.81]
23	.230-.289 [5.84-7.34]	.858 [21.79]	.28 [7.1]	.382 [9.70]	.407 [10.34]
29	.290-.349 [7.37-8.86]	.918 [23.32]	.34 [8.6]	.442 [11.23]	.467 [11.86]
35	.350-.409 [8.89-10.39]	.978 [24.84]	.40 [10.2]	.502 [12.75]	.527 [13.39]

**TABLE VII**  
FLUSH HEAD AND FLAT HEAD STYLE  
FOR THREAD SIZE 6 AND M10 ONLY

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )	(E <sub>2</sub> )
10	.100-.179 [2.54-4.55]	.937 [23.80]	.18 [4.6]	.262 [6.65]	.287 [7.29]
18	.180-.259 [4.57-6.58]	1.017 [25.83]	.26 [6.6]	.342 [8.69]	.367 [9.32]
26	.260-.339 [6.60-8.61]	1.100 [27.94]	.34 [8.6]	.422 [10.72]	.447 [11.35]
34	.340-.419 [8.64-10.64]	1.180 [29.97]	.42 [10.7]	.502 [12.75]	.527 [13.39]
42	.420-.500 [10.67-12.70]	1.260 [32.00]	.50 [12.7]	.582 [14.78]	.607 [15.42]

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ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
PLATING AND PRIOR TO THE ADDITION OF SOLID  
FILM LUBRICANT. 125 [3.2]  $\checkmark$  ALL SURFACES  
TOLERANCES  
XX .XXX ANGLES [X.X] [X.X.X]  
±.03 ±.010 ±2° ±[0.8] ±[0.25]  
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SL850

INSERT, BLIND THREADED  
PULL - UP TYPE

SHEET **2** OF **2**

# FASTENERS BLIND INSTALLATION

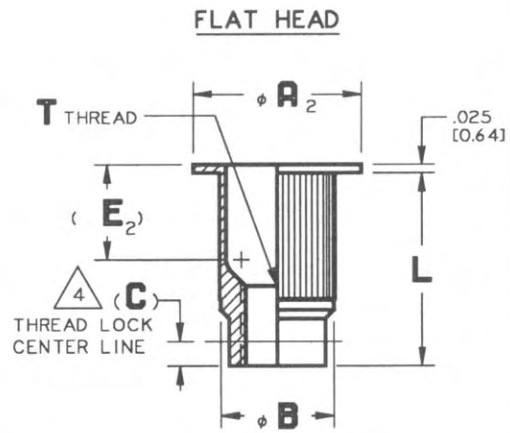
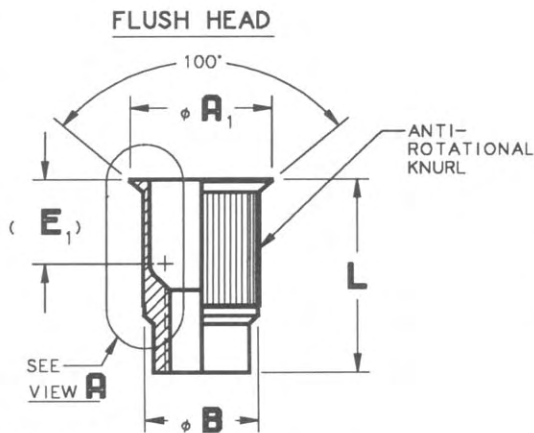


TABLE I

FIRST DASH NO.	T THREAD $\triangle 7$	$\phi A_1$	$\phi A_2$	$\phi B$	(C)	INSTALLATION HOLE SIZE
06 $\triangle 6$	.1380-32 UNJC-3B	.312 [7.92]	.375 [9.52]	.255 [6.48]	.06 [1.5]	.256 - .259 [6.50 - 6.58]
M3 $\triangle 6$	M3 X 0.5-4H6H					
08	.1640-32 UNJC-3B	.312 [7.92]	.375 [9.52]	.255 [6.48]	.06 [1.5]	.256 - .259 [6.50 - 6.58]
M4	M4 X 0.7-4H6H					
3	.1900-32 UNJF-3B	.375 [9.52]	.437 [11.10]	.300 [7.62]	.06 [1.5]	.301 - .304 [7.64 - 7.72]
M5	M5 X 0.8-4H6H					
4	.2500-28 UNJF-3B	.437 [11.10]	.500 [12.70]	.320 [8.13]	.12 [3.0]	.322 - .326 [8.18 - 8.28]
M6	M6 X 1-4H5H					
5	.3125-24 UNJF-3B	.500 [12.70]	.562 [14.27]	.418 [10.62]	.12 [3.0]	.420 - .424 [10.67 - 10.77]
M8	M8 X 1-4H5H					
6	.3750-24 UNJF-3B	.562 [14.27]	.625 [15.88]	.476 [12.09]	.12 [3.0]	.483 - .487 [12.27 - 12.37]
M10	M10 X 1.25-4H5H					

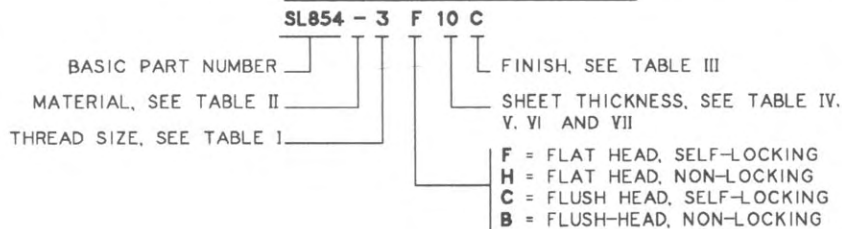
TABLE II

MATL CODE	MATERIAL
C $\triangle 6$	CRES
-	STEEL

TABLE III

FINISH CODE	FINISH
C	CAD PLATE PER QQ-P-416
CM	CAD PLATE PER QQ-P-416 PLUS DRI-FILM LUBE PER MIL-L-46010, TYPE I
M	DRI-FILM LUBE PER MIL-L-46010, TYPE I
S	SILVER PLATE PER AMS2410 OR AMS2411
NO LETTER	PASSIVATE PER AMS-QQ-P-35

### EXAMPLE OF PART CODING



### NOTES

- REFER TO SLD850 DATA SHEET FOR INSTALLATION TOOLS AND INSTALLATION PROCEDURE.
- $\triangle 2$  D DIMENSION IS TO THE FIRST THREAD AFTER INSTALLATION.
- $\triangle 3$  NOT AVAILABLE IN FLUSH HEAD STYLE.
- $\triangle 4$  LOCKING TORQUE:  
INCH THREAD: PER NASM25027.  
METRIC THREAD: PER NA0009.
- SEE SHEET 2 OF 2 FOR SHEET THICKNESS SELECTION TABLES
- $\triangle 6$  -06 AND M3 THREAD SIZES NOT AVAILABLE IN CRES MATERIAL.
- $\triangle 7$  INCH THREADS PER MIL-S-8879.  
METRIC THREADS PER LN9163.

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 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [ ] ARE MILLIMETERS

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**SL854**

**INSERT, BLIND THREADED  
 PULL - UP TYPE**

SHEET 1 OF 2



# FASTENERS BLIND INSTALLATION

FLAT HEAD STYLE FOR THREAD SIZES -06, -08, -3, M3, M4, AND M5 ONLY

TABLE IV.

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>2</sub> )
1	.010 - .039 [0.25 - 0.99]	.400 [10.16]	.08 [2.0]	.160 [4.06]
4	.040 - .069 [1.02 - 1.75]	.400 [10.16]	.11 [2.8]	.190 [4.83]
7	.070 - .099 [1.78 - 2.51]	.500 [12.70]	.14 [3.6]	.220 [5.59]
10	.100 - .129 [2.54 - 3.28]	.500 [12.70]	.17 [4.3]	.250 [6.35]
13	.130 - .159 [3.30 - 4.04]	.600 [15.24]	.21 [5.3]	.280 [7.11]
16	.160 - .189 [4.06 - 4.80]	.600 [15.24]	.24 [6.1]	.310 [7.87]
19	.190 - .219 [4.83 - 5.56]	.650 [16.51]	.27 [6.9]	.340 [8.64]
22	.220 - .249 [5.59 - 6.32]	.650 [16.50]	.30 [7.6]	.370 [9.40]
25	.250 - .279 [6.35 - 7.09]	.700 [17.78]	.33 [8.4]	.400 [10.16]
28	.280 - .309 [7.11 - 7.85]	.700 [17.78]	.36 [9.1]	.430 [10.92]
31	.310 - .339 [7.87 - 8.61]	.750 [19.05]	.39 [9.9]	.460 [11.68]

FLUSH HEAD STYLE FOR THREAD SIZES -06, -08, -3, M3, M4 AND M5 ONLY

TABLE V.

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )
5	.050 - .069 [1.27 - 1.75]	.400 [10.16]	.12 [3.0]	.165 [4.19]
7	.070 - .099 [1.78 - 2.51]	.500 [12.70]	.15 [3.8]	.185 [4.70]
10	.100 - .129 [2.54 - 3.28]	.500 [12.70]	.18 [4.6]	.215 [5.46]
13	.130 - .159 [3.30 - 4.04]	.600 [15.24]	.21 [5.3]	.245 [6.22]
16	.160 - .189 [4.06 - 4.80]	.600 [15.24]	.24 [6.1]	.275 [6.98]
19	.190 - .219 [4.83 - 5.56]	.650 [16.51]	.27 [6.9]	.305 [7.75]
22	.220 - .249 [5.59 - 6.32]	.650 [16.50]	.30 [7.6]	.335 [8.51]
25	.250 - .279 [6.35 - 7.09]	.700 [17.78]	.33 [8.4]	.365 [9.27]
28	.280 - .309 [7.11 - 7.85]	.700 [17.78]	.36 [9.1]	.395 [10.03]
31	.310 - .339 [7.87 - 8.61]	.750 [19.05]	.39 [9.9]	.425 [10.80]

FLUSH HEAD AND FLAT HEAD STYLE FOR THREAD SIZES -4, -5, M6, AND M8, ONLY

TABLE VI

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )	(E <sub>2</sub> )
5 $\triangle_3$	.050 - .109 [1.27 - 2.77]	.550 [13.97]	.10 [2.5]	.202 [5.13]	.227 [5.77]
11	.110 - .169 [2.79 - 4.29]	.600 [15.24]	.16 [4.1]	.262 [6.65]	.287 [7.29]
17	.170 - .229 [4.32 - 5.82]	.650 [16.50]	.22 [5.6]	.322 [8.18]	.347 [8.81]
23	.230 - .289 [5.84 - 7.34]	.700 [17.78]	.28 [7.1]	.382 [9.70]	.407 [10.34]
29	.290 - .349 [7.37 - 8.86]	.750 [19.05]	.34 [8.6]	.442 [11.23]	.467 [11.86]
35	.350 - .409 [8.89 - 10.39]	.800 [20.32]	.40 [10.2]	.502 [12.75]	.527 [13.39]

FLUSH HEAD AND FLAT HEAD STYLE FOR THREAD SIZE -6 AND M10 ONLY

TABLE VII

SECOND DASH NO.	SHEET THICKNESS	L	(D) $\triangle_2$	(E <sub>1</sub> )	(E <sub>2</sub> )
10	.100 - .179 [2.54 - 4.55]	.765 [19.43]	.18 [4.6]	.262 [6.65]	.287 [7.29]
18	.180 - .259 [4.57 - 6.58]	.845 [21.46]	.26 [6.6]	.342 [8.69]	.367 [9.32]
26	.260 - .339 [6.60 - 8.61]	.925 [23.50]	.34 [8.6]	.422 [10.72]	.447 [11.35]
34	.340 - .419 [8.64 - 10.64]	1.005 [25.53]	.42 [10.7]	.502 [12.75]	.527 [13.39]
42	.420 - .500 [10.67 - 12.70]	1.085 [27.56]	.50 [12.7]	.582 [14.78]	.607 [15.42]

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UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER  
 ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES

**TOLERANCES**

.XX	.XXX	ANGLES	[X.X]	[X.X.X]
±.03	±.010	±2°	±[0.8]	±[0.25]

DIMENSIONS IN [ ] ARE MILLIMETERS

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**INSERT, BLIND THREADED  
PULL - UP TYPE**

SL854

SHEET **2** OF **2**

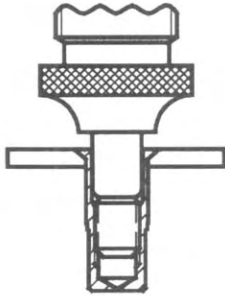




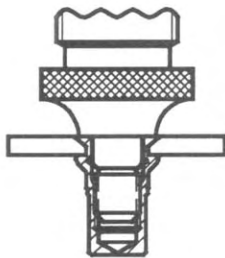
# FASTENERS BLIND INSTALLATION

## INSTALLATION TOOLS AND PROCEDURES

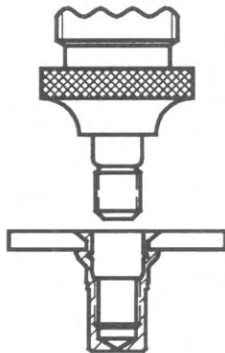
1. THREAD INSERT TO MANDREL UNTIL MANDREL BOTTOMS AGAINST COUNTERBORE OF INSERT. REFER TO TSB0008 FOR MORE DETAILED INSTRUCTIONS.



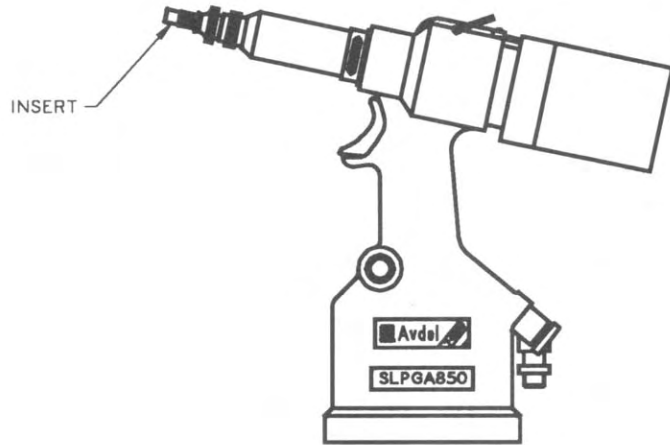
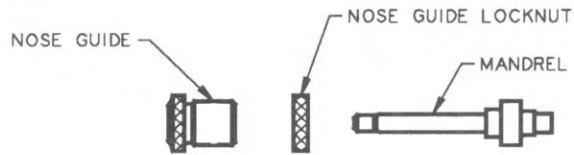
2. PLACE INSERT INTO INSTALLATION HOLE. FLUSH TO PLATE STRUCTURE.



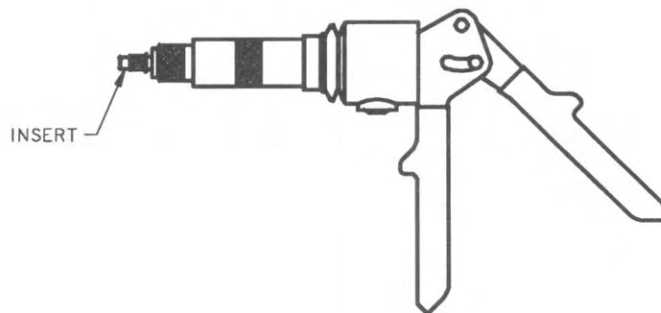
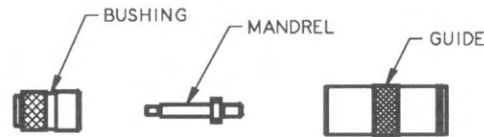
3. ACTUATE TOOL TO PERMANENTLY CLINCH INSERT TO PLATE STRUCTURE.



4. DISENGAGE TOOL FROM INSERT. REFER TO TSB0008 FOR MORE DETAILED INSTRUCTIONS ON EACH INDIVIDUAL INSTALLATION TOOL.



SLPGA850 POWER TOOL



SLT850S300 HAND TOOL

### NOTES:

1. BG1750 AND BG2500 POWER GUNS HAVE BEEN REPLACED BY THE SLPGA850. IF TOOLING IS REQUIRED FOR THE BG1750 AND BG2500 POWER GUNS PLEASE CONTACT SHUR-LOK'S TECHNICAL SUPPORT.

REVISION A 27 SEP 2000

UNLESS OTHERWISE SPECIFIED  
INTERPRET DIMENSIONS & TOLERANCES PER  
ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
PLATING AND PRIOR TO THE ADDITION OF SOLID  
FILM LUBRICANT: 125 [3.2] ALL SURFACES

TOLERANCES		ANGLES		[X.X]	[X.X.X]
.XX	.XXX	±2°		±[0.8]	±[0.25]
±.03	±.010				

DIMENSIONS IN [ ] ARE MILLIMETERS

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TELEPHONE: (949) 474-6000

# SHUR-LOK

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TELEPHONE: (32) 87-32.07.11

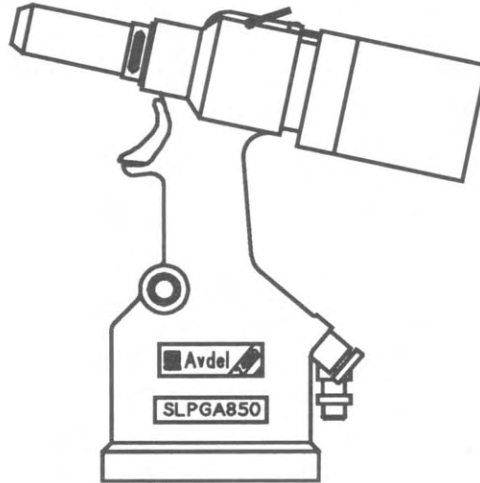
## INSTALLATION PROCEDURE AND INSTALLATION TOOLING

## SLD850 DATA

SHEET 1 OF 3



# FASTENERS BLIND INSTALLATION



**SLPGA850  
POWER TOOL**

**INCLUDED:**

- \* 1- POWER TOOL
- \* 2- NOSE GUIDE LOCKNUT (1 SPARE)
- \* 1- CORRUGATED CARDBOARD BOX
- \* 1- SET OF THREE OPEN-ENDED WRENCHES
- \* 1- SET OF THREE ALLEN WRENCHES
- \* 1- OPERATING INSTRUCTIONS

**ACCESSORY TOOLS:**

NOSE GUIDES AND MANDRELS MUST BE ORDERED SEPARATELY (SEE TABLE I ).

**TABLE I ACCESSORY TOOLS**

INSERT FIRST DASH NUMBER	INSERT THREAD SIZE	NOSE GUIDE	MANDREL
06	.1380-32	SLPGA850G08	SLPGA850M06
M3	M3 X 0.5		SLPGA850MM3
08	.1640-32		SLPGA850M08
M4	M4 X 0.7		SLPGA850MM4
3	.1900-32	SLPGA850G3	SLPGA850M3
M5	M5 X 0.8		SLPGA850MM5
4	.2500-28	SLPGA850G4	SLPGA850M4
M6	M6 X 1.0		SLPGA850MM6
5	.3125-24	SLPGA850G5	SLPGA850M5
M8	M8 X 1.0		SLPGA850MM8
6	.3750-24	SLPGA850G6	SLPGA850M6
M10	M10 X 1.25		SLPGA850MM10

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FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
XX .XXX ANGLES [X.X] [X.X.X]  
±.03 ±.010 ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [ ] ARE MILLIMETERS

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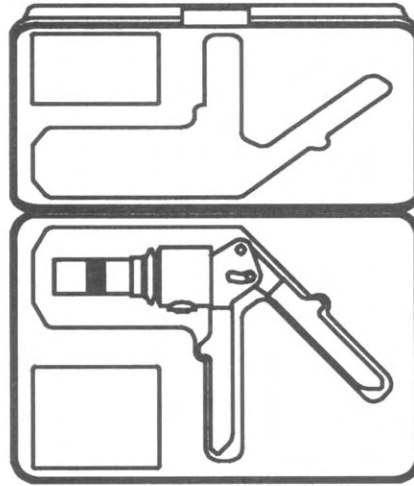
**SLD850 DATA**

**INSTALLATION PROCEDURE AND  
INSTALLATION TOOLING**

SHEET **2** OF **3**



# FASTENERS BLIND INSTALLATION



**SLT850S300  
HAND TOOL**

**INCLUDED:**

- \* 1- HAND TOOL
- \* 1- GUIDE (PART NUMBER SLT850S300-2-2)
- \* 1- PLASTIC CASE
- \* 1- OPERATING INSTRUCTIONS

**ACCESSORY TOOLS:**

BUSHINGS AND MANDRELS MUST BE ORDERED SEPARATELY (SEE TABLE II ).

**TABLE II ACCESSORY TOOLS**

INSERT FIRST DASH NUMBER	INSERT THREAD SIZE	BUSHING	MANDREL
06	.1380-32	SL T850S300-08-1	SL T850S300-06-3
M3	M3 X 0.5		SL T850S300M3-3
08	.1640-32		SL T850S300-08-3
M4	M4 X 0.7		SL T850S300M4-3
3	.1900-32	SL T850S300-4-1	SL T850S300-3-3
M5	M5 X 0.8		SL T850S300M5-3
4	.2500-28		SL T850S300-4-3
M6	M6 X 1.0		SL T850S300M6-3

REVISION (A) 27 SEP 2000

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ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
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FILM LUBRICANT. 125 [3,2] ALL SURFACES  
TOLERANCES  
.XX .XXX ANGLES [X.X] [X.X.X]  
±.03 ±.010 ±2° ±[0.8] ±[0.25]  
DIMENSIONS IN | ARE MILLIMETERS

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## SLD850 DATA

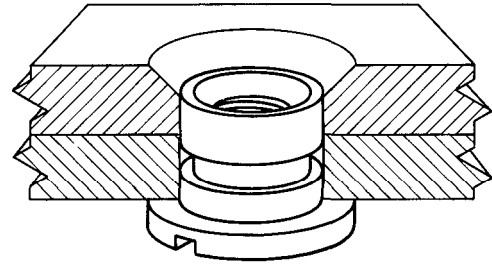
### INSTALLATION PROCEDURE AND INSTALLATION TOOLING

SHEET **3** OF **3**

## NUTS

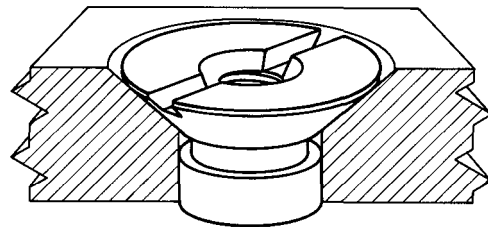
The Nuts featured in this section are of three styles Flush, Shear and Injection or Ultra-Sonic Welder installation The SL5 Series is designed to attach two flat plate structures, where one side or both sides need to be flush, when used with 100 degree flat head bolts Thread sizes range from 1380-32 UNJC thru 2500-28 UNJF Thread locking torque is per MIL-DTL-25027 Materials offered- Cres and Carbon Steel

Figure 1



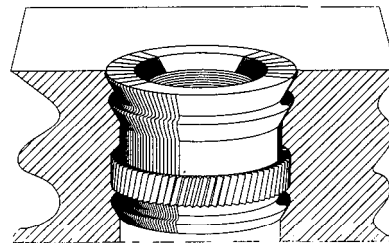
The SL52 series is designed to be installed in applications where the side opposite to bolt thread entry needs to be flush with structure surface Thread sizes range from 1640-32UNJC thru 5000-28UNJF Thread locking torque is per MIL-DTL-25027 Materials in this series are offered in a wider range three types of Cres, Titanium Alloy and Carbon steel

Figure 2



The SL5214 and SL 5238 are designed to be installed Flush to solid Plastic Materials Method of installation can be accomplished by Injection molding or by using an Ultra-Sonic welder to install into pre-formed solid plastic structures The two nuts are threaded with 1900-32 UNJF threads Thread locking torque is per MIL-DTL-25027 Standard material is Cres

Figure 3



See Figure 1, Figure 2 and Figure 3 for installed examples



# NUT

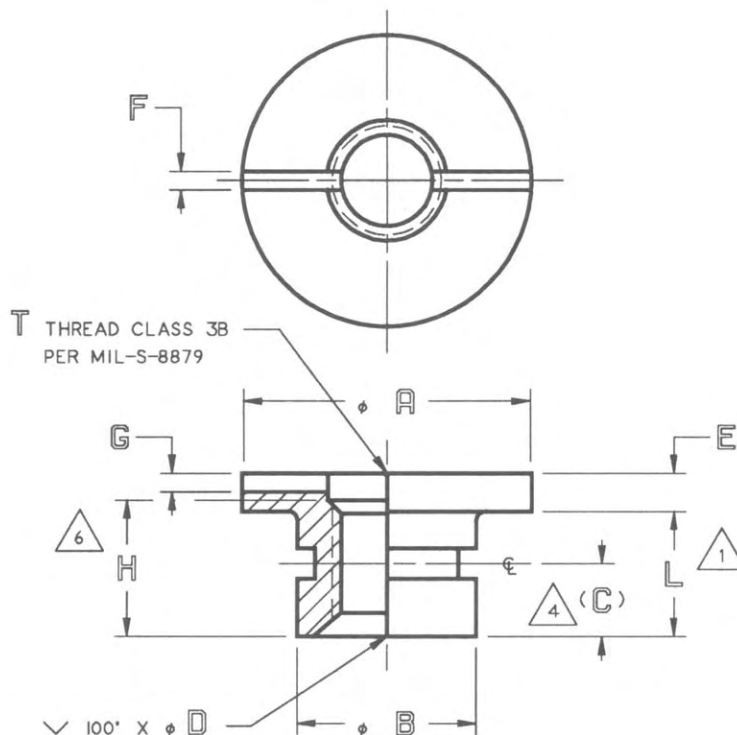


TABLE I

THREAD SIZE	T THREAD	φ A	φ B	(C)	φ D	E	F	G	MIN $\triangle 5$	INSTALLATION HOLE SIZE
06	.1380-32UNJC	.375 [9.52]	.250 [6.35]	.10 [2.5]	.160 [4.06]	.062 [1.57]	.032 [0.81]	.032 [0.81]	.23 [5.8]	.257 - .262 [6.53] - [6.65]
08	.1640-32UNJC	.375 [9.52]	.250 [6.35]	.12 [3.0]	.218 [5.54]	.062 [1.57]	.032 [0.81]	.032 [0.81]	.28 [7.1]	.257 - .262 [6.53] - [6.65]
3	.1900-32UNJF	.500 [12.70]	.312 [7.92]	.13 [3.3]	.261 [6.63]	.062 [1.57]	.032 [0.81]	.032 [0.81]	.31 [7.9]	.316 - .321 [8.03] - [8.15]
4	.2500-28UNJF	.562 [14.27]	.433 [11.00]	.16 [4.1]	.378 [9.60]	.076 [1.93]	.078 [1.98]	.046 [1.17]	.37 [9.4]	.437 - .442 [11.10] - [11.23]

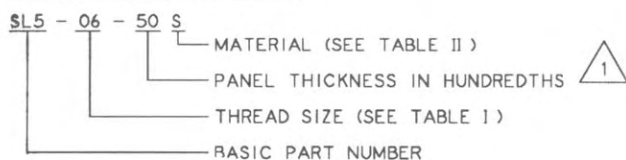
TABLE II

MATL CODE	MATERIAL	FINISH
S	CARBON STEEL PER ASTM A108, 85KSI UTS MIN	CAD PLATE PER QQ-P-416 TYPE II, CLASS 2
C	CRES 303	PASSIVATE PER AMS-QQ-P-35

NOTES:

- $\triangle 1$  L DIMENSION EQUALS TOTAL PANEL THICKNESS MINUS .050 [1.27].
- 2. FOR SPECIAL MATERIALS, FINISHES AND OTHER VARIATIONS CONSULT SHUR-LOK TECHNICAL SERVICES DEPARTMENT.
- 3. USE WITH 100° FLUSH HEAD SCREWS.
- $\triangle 4$  THREAD LOCK TORQUE PER MIL-DTL-25027.
- $\triangle 5$  RECOMMENDED MINIMUM PANEL THICKNESS TO OBTAIN THREAD LENGTH EQUAL TO 1.5 X THREAD DIA.
- $\triangle 6$  THREAD LENGTH H SHALL BE EQUAL TO 2 X THREAD DIAMETER WHERE LENGTH PERMITS. A THREAD RELIEF MAY BE PROVIDED WHEN THE NUT LENGTH EXCEEDS 2 X THREAD LENGTH. SHUR-LOK OPTION.

EXAMPLE OF PART CODING:



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 FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SL5**

**NUT, SHEAR,  
 SELF-LOCKING**

SHEET **1** OF **1**



# NUT

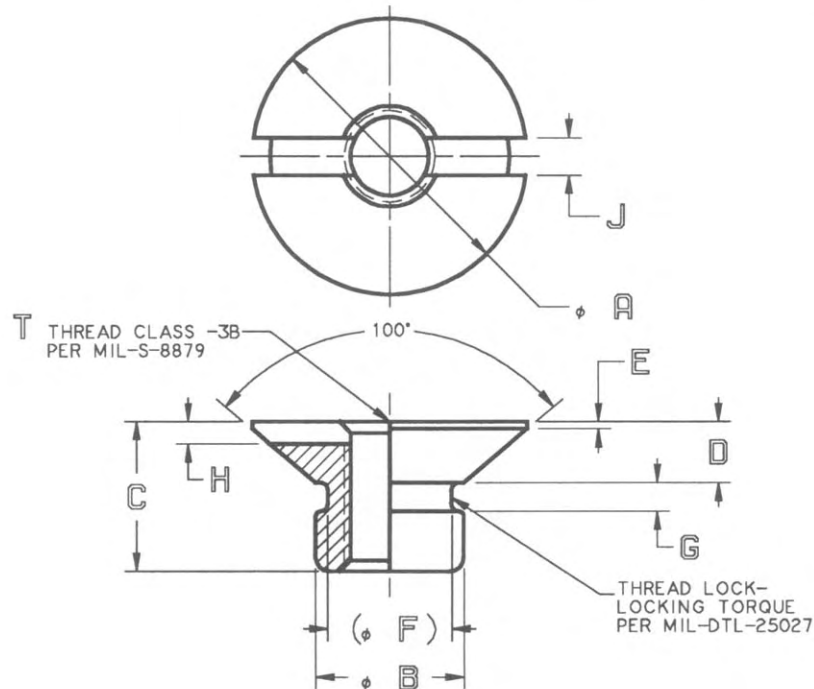


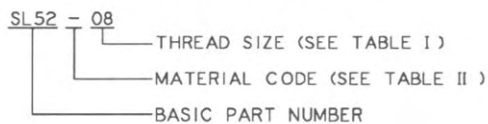
TABLE I

THREAD SIZE	T THREAD	φ A	φ B +.000 [+0.00] -.005 [-0.13]	C ±.005 [±0.13]	D MAX	E	(φ F)	G	H	J
08	.1640-32UNJC	.575 [14.61]	.312 [7.92]	.312 [7.92]	.133 [3.38]	.020 [0.51]	.260 [6.60]	.056 [1.42]	.046 [1.17]	.078±.006 [1.98±0.15]
3	.1900-32UNJF	.575 [14.61]	.312 [7.92]	.312 [7.92]	.133 [3.38]	.020 [0.51]	.260 [6.60]	.060 [1.52]	.046 [1.17]	.078±.006 [1.98±0.15]
4	.2500-28UNJF	.817 [20.75]	.437 [11.10]	.381 [9.68]	.186 [4.72]	.026 [0.66]	.312 [7.92]	.070 [1.78]	.046 [1.17]	.090±.008 [2.29±0.20]
5	.3125-24UNJF	.935 [23.75]	.499 [12.67]	.468 [11.89]	.213 [5.41]	.030 [0.76]	.387 [9.83]	.080 [2.03]	.057 [1.45]	.108±.008 [2.74±0.20]
6	.3750-24UNJF	1.090 [27.69]	.562 [14.27]	.501 [12.73]	.240 [6.10]	.034 [0.86]	.500 [12.70]	.080 [2.03]	.057 [1.45]	.108±.008 [2.74±0.20]
8	.5000-20UNJF	1.426 [36.22]	.750 [19.05]	.656 [16.66]	.320 [8.13]	.036 [0.91]	.625 [15.88]	.080 [2.03]	.078 [1.98]	.108±.008 [2.74±0.20]

TABLE II

MATL CODE	MATERIAL	FINISH
CA	CRES 303	SILVER PLATE PER AMS2410 OR AMS2411
C	CRES A286	SILVER PLATE PER AMS2410 OR AMS2411
-	STEEL C-1137	CAD PLATE PER QQ-P-416, TYPE II, CLASS 2
S	STEEL C-1137	CAD PLATE PER QQ-P-416, TYPE II, CLASS 2 AND SOLID FILM LUBRICANT PER MIL-L-46010, TYPE I
T	TITANIUM 6AL-4V	SOLID FILM LUBRICANT LUBCO 2123
CS	CRES 17-4PH	SILVER PLATE PER AMS2410 OR AMS2411

EXAMPLE OF PART CODING:



APPLICATION:

SL52 SERIES NUT IS A FLUSH MOUNTED FASTENER AND IS USED WHERE IT IS IMPOSSIBLE TO USE A 100° FLAT HEAD SCREW BECAUSE OF LIMITATIONS OF DESIGN. THE FLUSH NUT MAY BE USED FOR ATTACHMENTS OF CANOPIES AND AIRCRAFT WINDSHIELDS.

REVISION (N) 21 MAY 1998

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER  
 ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

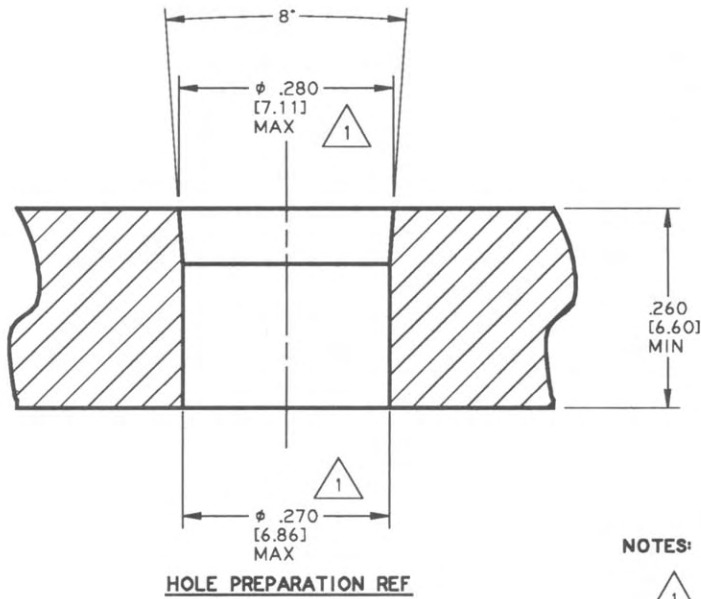
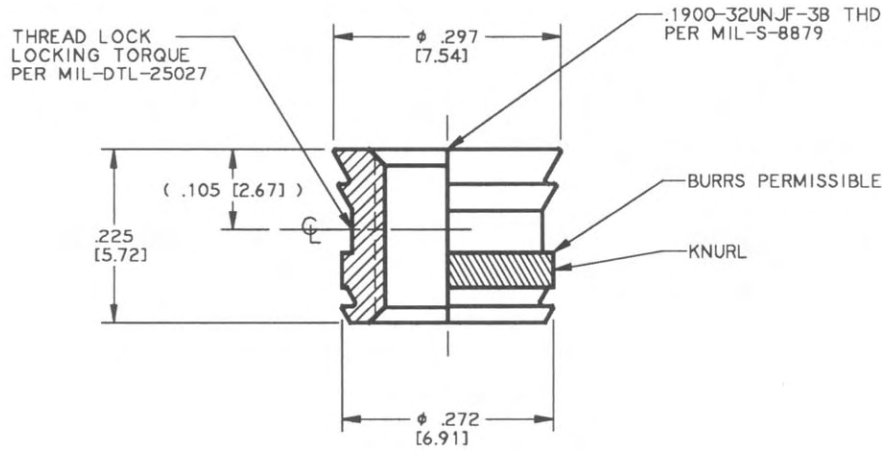
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 PETIT-RECHAIN, BELGIUM  
 TELEPHONE: (32) 87-32.07.11

**SL52**

**NUT, FLUSH.  
 SELF-LOCKING**

SHEET 1 OF 1

# NUT



MATERIAL	FINISH
CRES 303 PER AMS5640	PASSIVATE PER AMS-QQ-P-35

**NOTES:**



NOTED DIMENSIONS ARE FOR REFERENCE ONLY. SMALLER HOLE SIZES WILL GENERALLY INCREASE THE INSERT ASSEMBLY STRENGTH.

**APPLICATION:**

THIS INSERT IS SPECIFICALLY DESIGNED TO BE INSTALLED INTO PLASTIC PARTS USING AN ULTRA-SONIC WELDER OR INJECTION MOLDED.

REVISION C 29 SEP 2000

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**TOLERANCES**  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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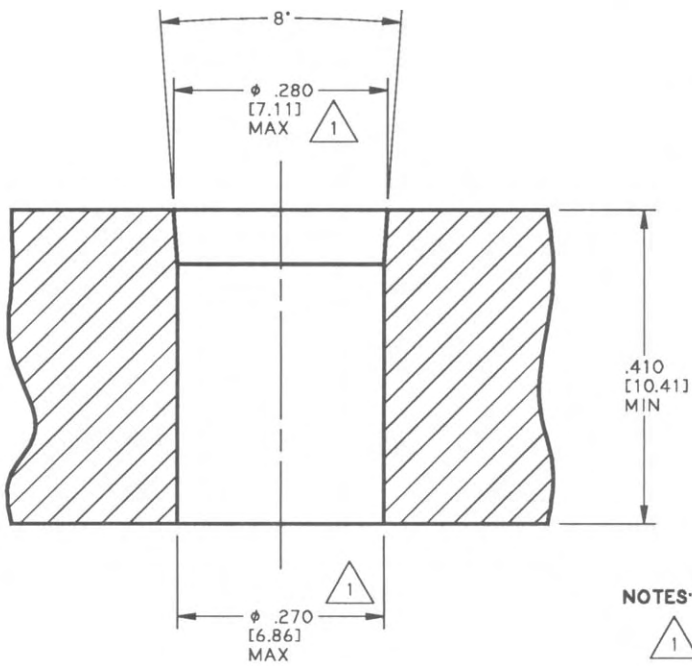
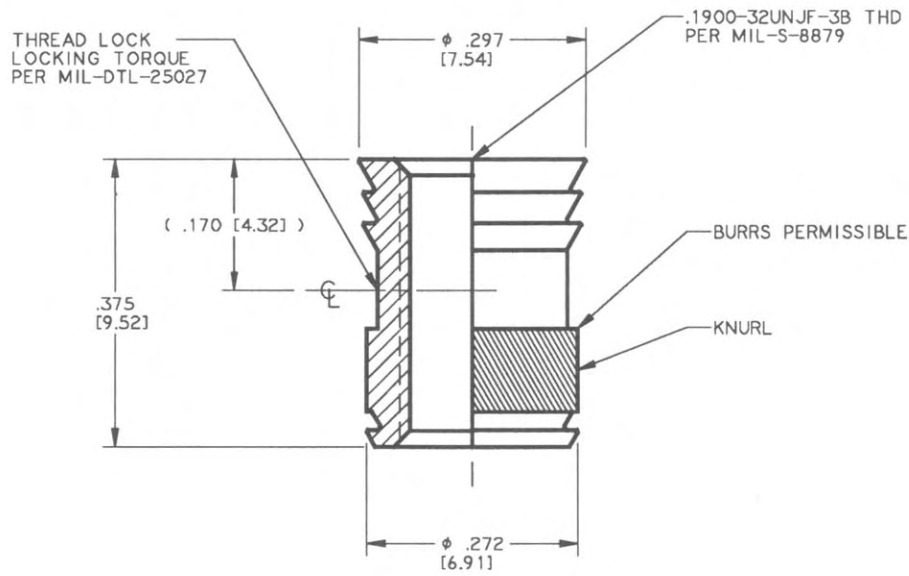
**INSERT, SELF-LOCKING,  
 ULTRA-SONIC OR INJECTION INSTALLATION**

**SL5214**

SHEET 1 OF 1



# NUT



**HOLE PREPARATION REF**

MATERIAL	FINISH
CRES 303 PER AMS 5640	PASSIVATE PER AMS-QQ-P-35

**NOTES:**



NOTED DIMENSIONS ARE FOR REFERENCE ONLY. SMALLER HOLE SIZES WILL GENERALLY INCREASE THE INSERT ASSEMBLY STRENGTH.

**APPLICATION:**

THIS INSERT IS SPECIFICALLY DESIGNED TO BE INSTALLED INTO PLASTIC MATERIALS USING AN ULTRA-SONIC WELDER OR INJECTION MOLDED.

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**TOLERANCES**  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
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**INSERT. SELF-LOCKING,  
 ULTRA-SONIC INJECTION INSTALLATION**

**SL5238**

SHEET **1** OF **1**



## ISOLATOR MOUNTS

Isolator mounts in this section have been widely used in aircraft between structural members and interior trim. Shur-Lok Isolator Mounts provide an effective means for the reduction of vibration noise and heat transfer into crew and passenger areas. The Isolator mounts have also been found equally useful in many other similar type applications.

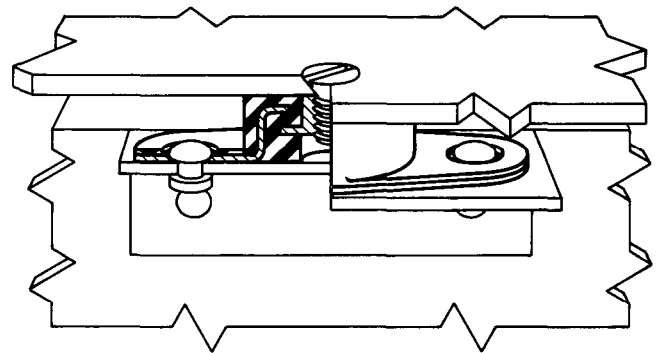
The threaded type Isolators are provided with inch or metric threads. The inch thread sizes offered are 1640-32 and 1900-32; the metric are offered in M4 and M5 internal threads.

The inch threaded Isolators are offered with external threads in some styles. Internal threaded Isolators can be procured with locking or non-self-locking threads. Inch internal thread locking-torque is per MIL-DTL-25027. Isolators are also offered with non-threaded receptacle to be used with Quarter-turn stud for quick installation and removal. Isolators with Quarter-turn receptacle are used where the structures are often removed and reinstalled.

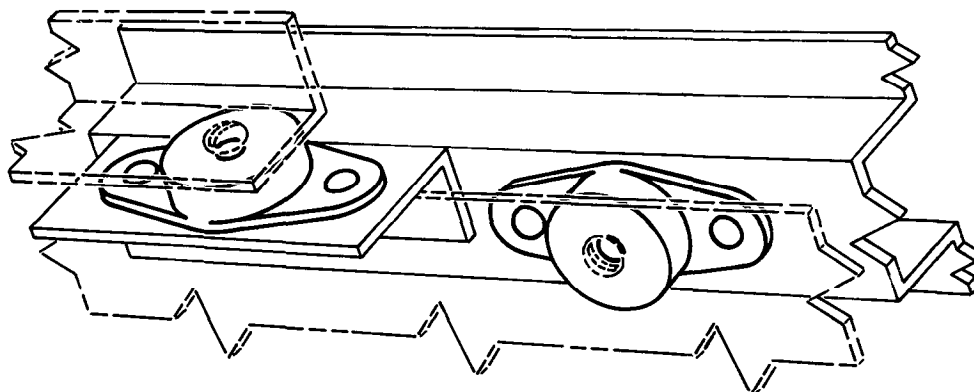
Typical installations are shown by ( Figure 1 ) internally threaded insert method of structure attachment.

( Figure 2 ) Quarter-turn receptacle for ease of structure removal and reinstallation.

**Figure 1**  
Internally Threaded Insert



**Figure 2**  
Quarter-Turn Receptacle



# ISOLATOR MOUNT

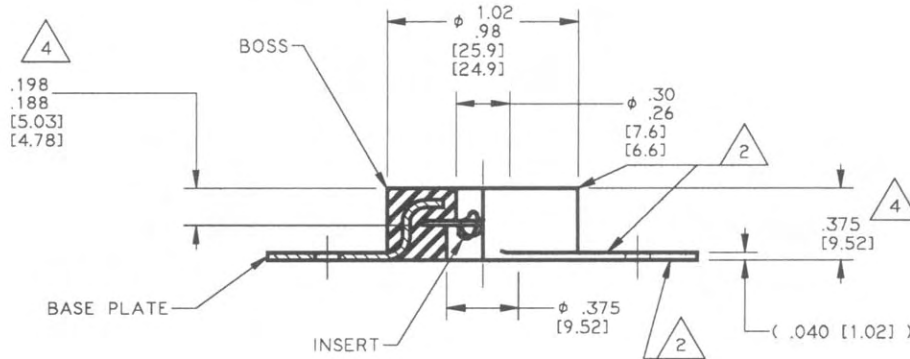
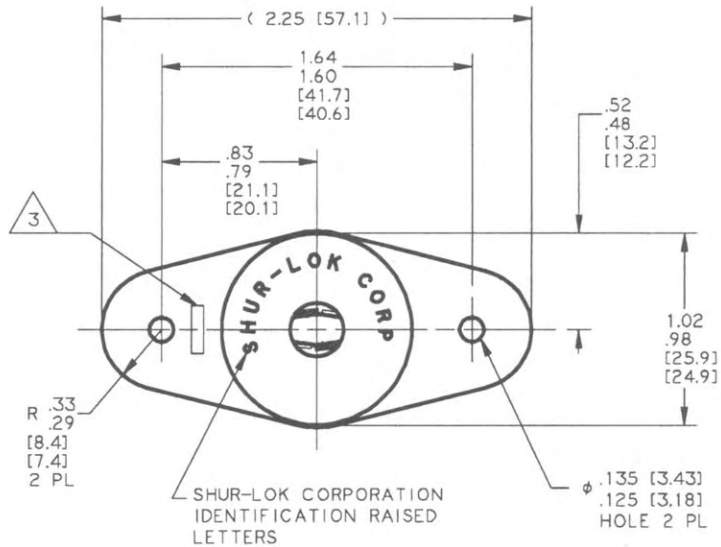


TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11.	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	STEEL 1050 PER AMS5085 HEAT TREATED	CAD PLATE PER QQ-P-416 TYPE II, CL 2
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1 <span style="border: 1px solid black; padding: 0 2px;">6</span>	NONE

NOTES:

1. ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- 2 RUBBER FLASH OR BONDED PERMISSIBLE ON THESE SURFACES.
- 3 IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- 4 DIMENSIONS SHOWN EXCLUDE RAISED LETTERS.
5. PART SHALL WITHSTAND A MINIMUM LOAD OF 150 Lbf [667 N] IN TENSION AND SHEAR.
- 6 Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED IN FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [ ] ARE MILLIMETERS

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 PETIT-RECHAIN, BELGIUM  
 TELEPHONE: (32) 87-32.07.11

**SL2048**

**ISOLATOR MOUNT,  
 1/4-TURN**

SHEET **1** OF **1**

REVISION N 29 SEP 2000



# ISOLATOR MOUNT

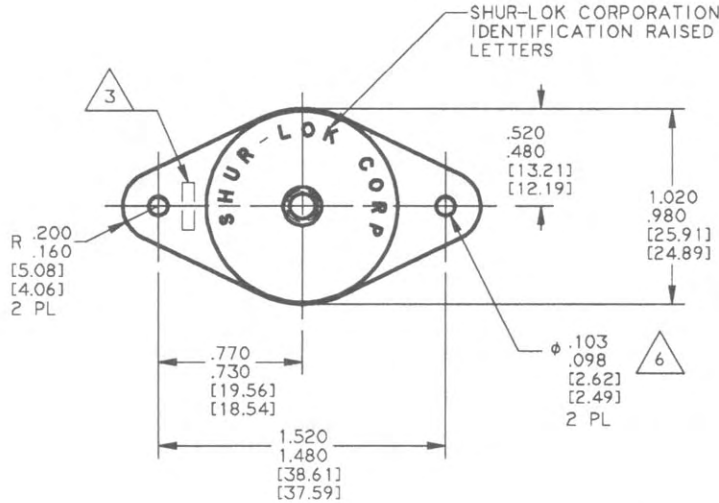
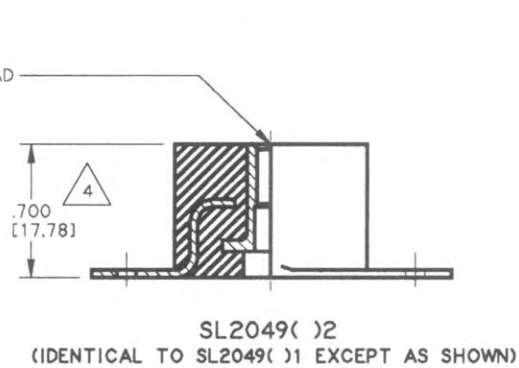
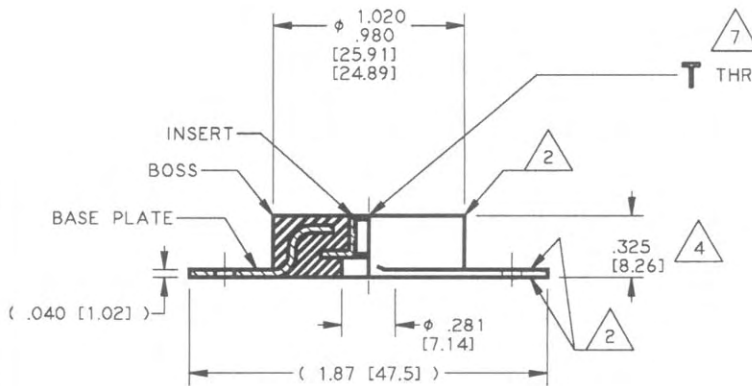


TABLE II

SIZE CODE	T THREAD
-	.1640-32UNJC-3B
M4	M4 X 0.7-4H6H



SL2049( )1

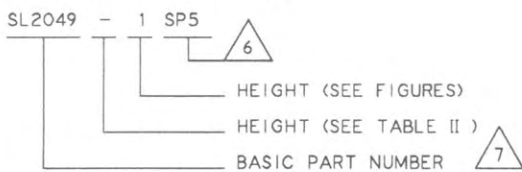
TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	CRES 303 PER ASTM-A-582 OR CRES 302 PER MIL-S-5059	PASSIVATE PER AMS-QQ-P-35
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- DIMENSIONS SHOWN EXCLUDE RAISED LETTERS.
- FASTENER SHALL WITHSTAND A MINIMUM LOAD OF 150 lbf [ 667 N ] IN TENSION AND SHEAR.
- SL2049-1SP5 AND SL2049M4-1SP5 SAME AS SL2049-1 AND SL2049M4-1 EXCEPT φ .128-.135 [3.25-3.43] HOLES IN BASE PLATE.
- INCH THREADS PER MIL-S-8879 METRIC THREADS PER LN9163.
- Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

EXAMPLE OF PART CODING:



APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION (S) 29 SEP 2000

UNLESS OTHERWISE SPECIFIED, INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

SHUR-LOK CORPORATION  
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**SHUR-LOK**

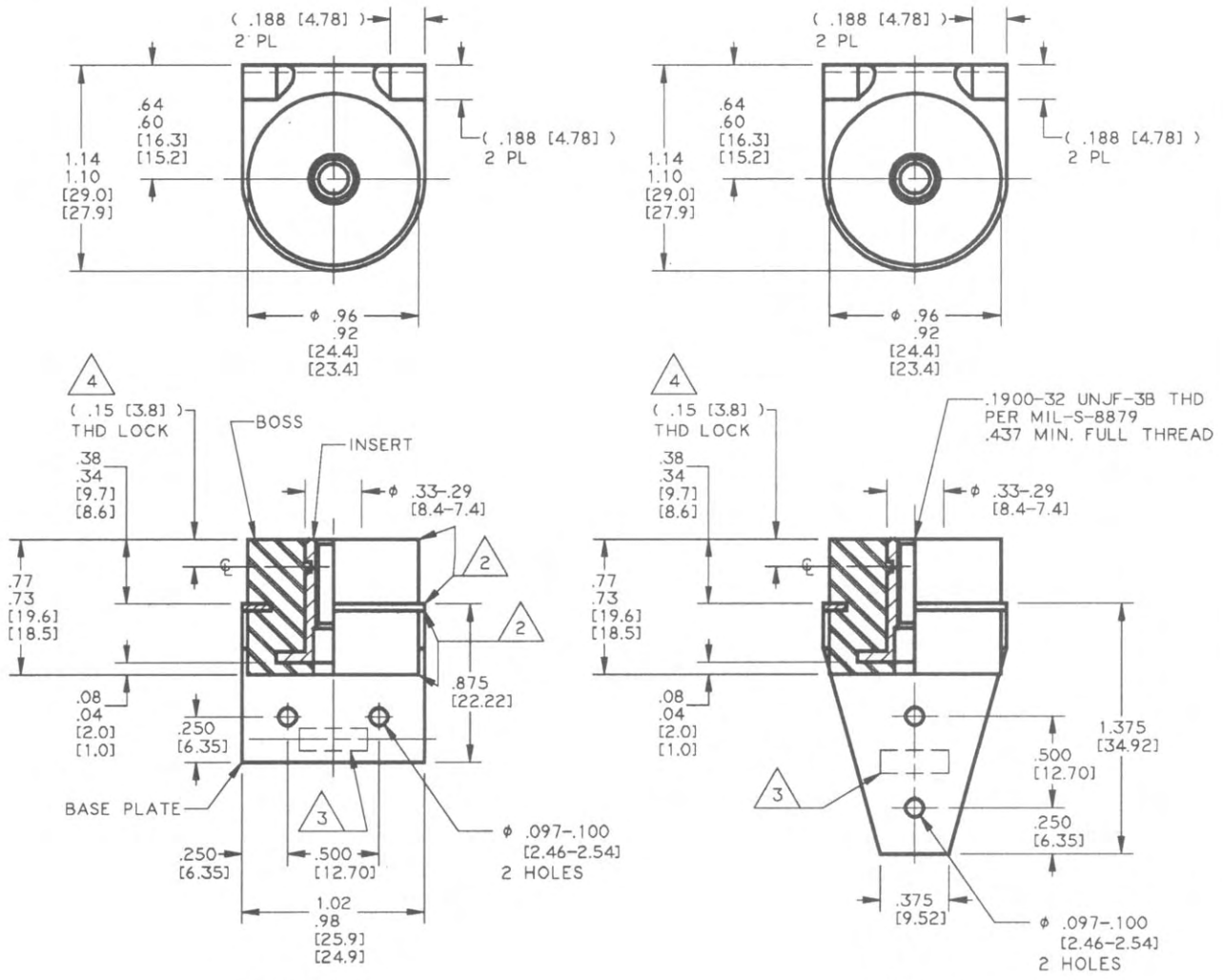
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**SL2049**

**ISOLATOR MOUNT, THREADED,  
 NON SELF - LOCKING**

SHEET 1 OF 1

# ISOLATOR MOUNT



SL2054-1

SL2054-2

TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 2024-T4 PER AMS-QQ-A-250/4	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	STEEL C1137 PER ASTM A108	CAD PLATE PER QQ-P-416, TYPE II, CL 2
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1	NONE

NOTES:

1. ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
2. RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
3. IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
4. THREAD LOCK TORQUE PER NASM25027.
5. ADD SUFFIX "K" TO DELETE HOLES.
6. Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

EXAMPLE OF PART CODING:



APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS IN AIRCRAFT. NORMALLY MOUNTED IN FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION (N) 29 SEP 2000

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SL2054**

**ISOLATOR MOUNT, THREADED,  
 SELF - LOCKING**

SHEET 1 OF 1

# ISOLATOR MOUNT

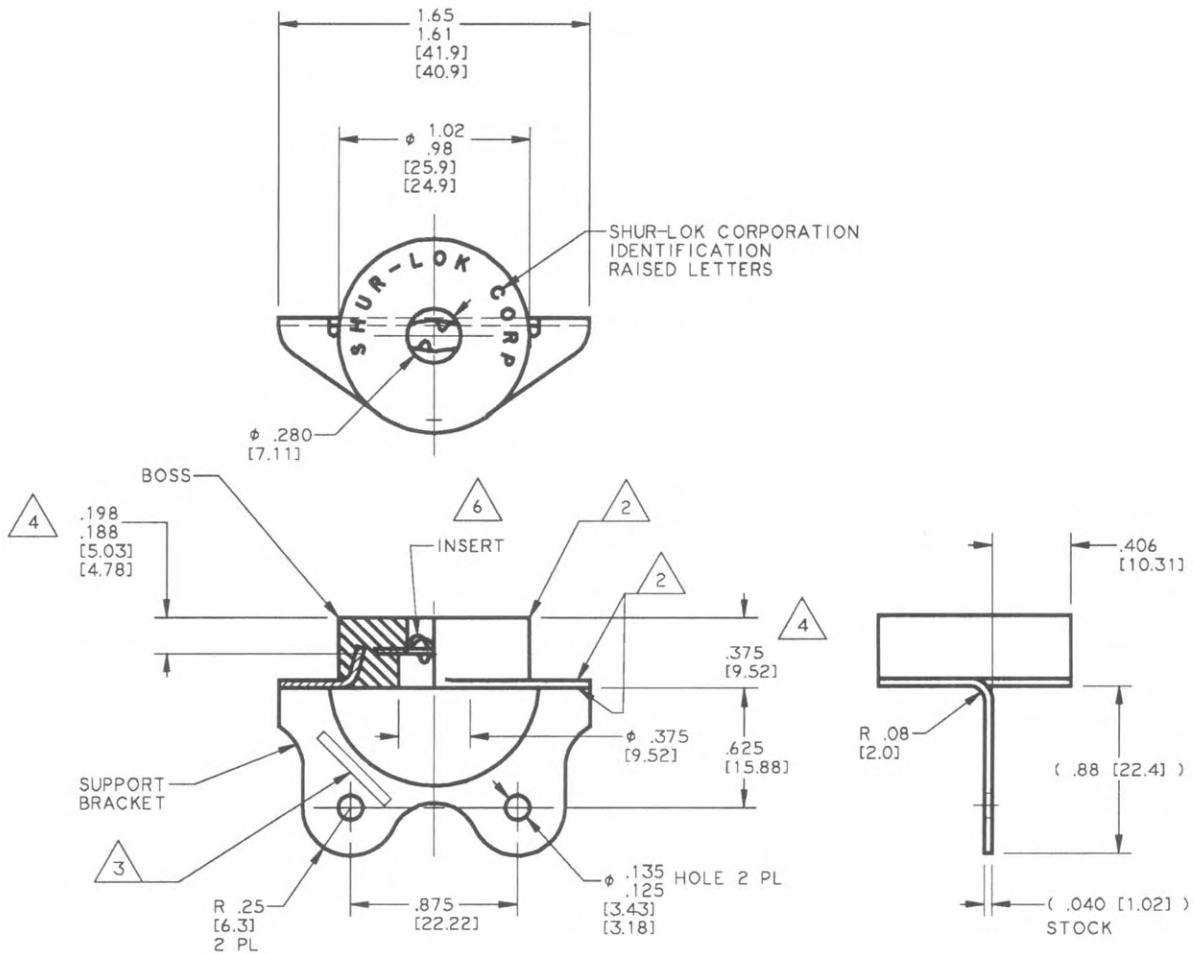


TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11,	CHEM FILM PER MIL-C-5541, CL 1
INSERT	STEEL 1050 PER AMS 5085 HEAT TREATED	CADMIUM PLATE PER QQ-P-416 TYPE II, CL 2
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- DIMENSIONS SHOWN EXCLUDE RAISED LETTERS.
- PART SHALL WITHSTAND A MINIMUM LOAD OF 50 lbf [ 222 N ] IN TENSION AND SHEAR.
- INSERT IS QUARTER TURN TYPE SUITABLE FOR USE WITH #2 STUD OR EQUIVALENT.
- Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS.

REVISION (J) 29 SEP 2000

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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**SL2304**

**ISOLATOR MOUNT,  
 1/4 - TURN**

SHEET 1 OF 1

# ISOLATOR MOUNT

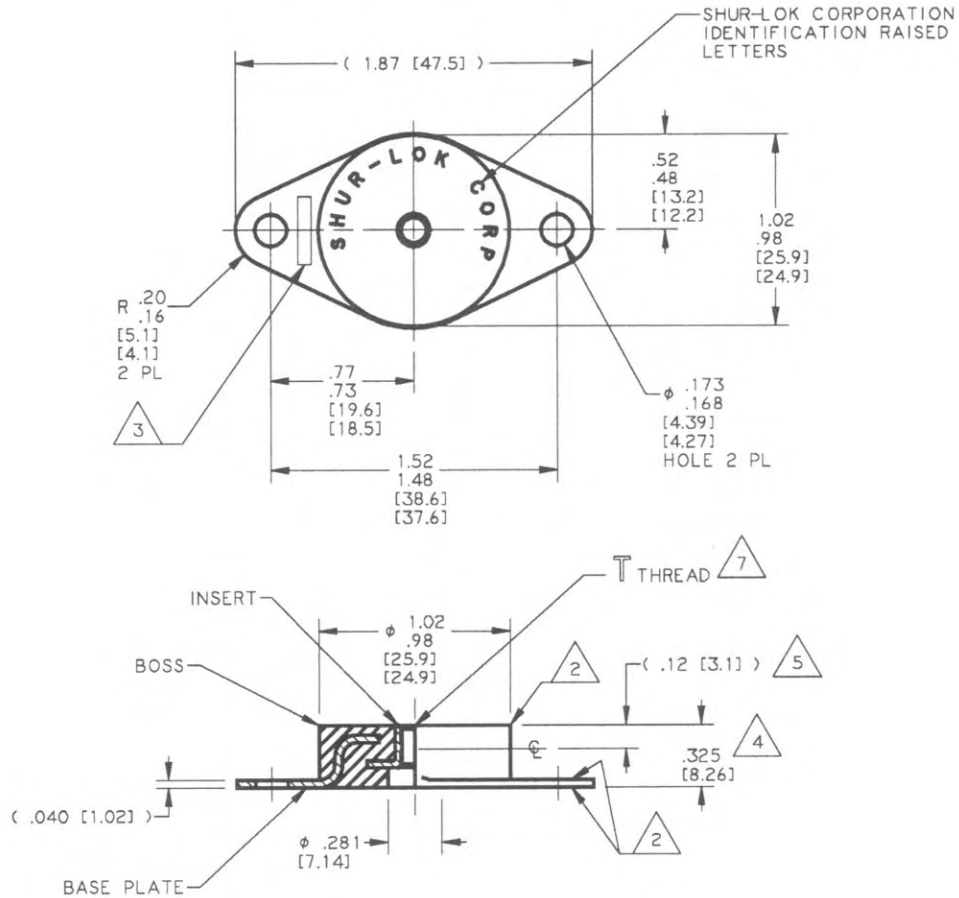


TABLE I

THREAD CODE	T THREAD
08	.1640-32 UNJC-3B
M4	M4 X 0.7 4H6H
3	.1900-32 UNJF-3B
M5	M5 X 0.8 4H6H

TABLE II

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	CRES 302, 303 OR 304 PER ASTM A276 OR ASTM A582	PASSIVATE PER AMS-QQ-P-35
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1 8	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- DIMENSION SHOWN EXCLUDES RAISED LETTERS.
- LOCKING TORQUE:  
 INCH THREAD PER NASM25027  
 METRIC THREAD PER LN65016
- PART SHALL WITHSTAND A MINIMUM LOAD OF 150 lbf [667 N] IN TENSION AND SHEAR.
- INCH THREADS PER MIL-S-8879  
 METRIC THREADS PER LN9163
- Z1= SPECIAL REQUIREMENT OF 55  $\pm$ 5 DUROMETER.

EXAMPLE OF PART CODING:



APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION R 29 SEP 2000

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 $\pm$ .03  $\pm$ .010  $\pm$ 2°  $\pm$ [0.8]  $\pm$ [0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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**ISOLATOR MOUNT, THREADED,  
 SELF - LOCKING**

**SL2337**

SHEET 1 OF 1

# ISOLATOR MOUNT

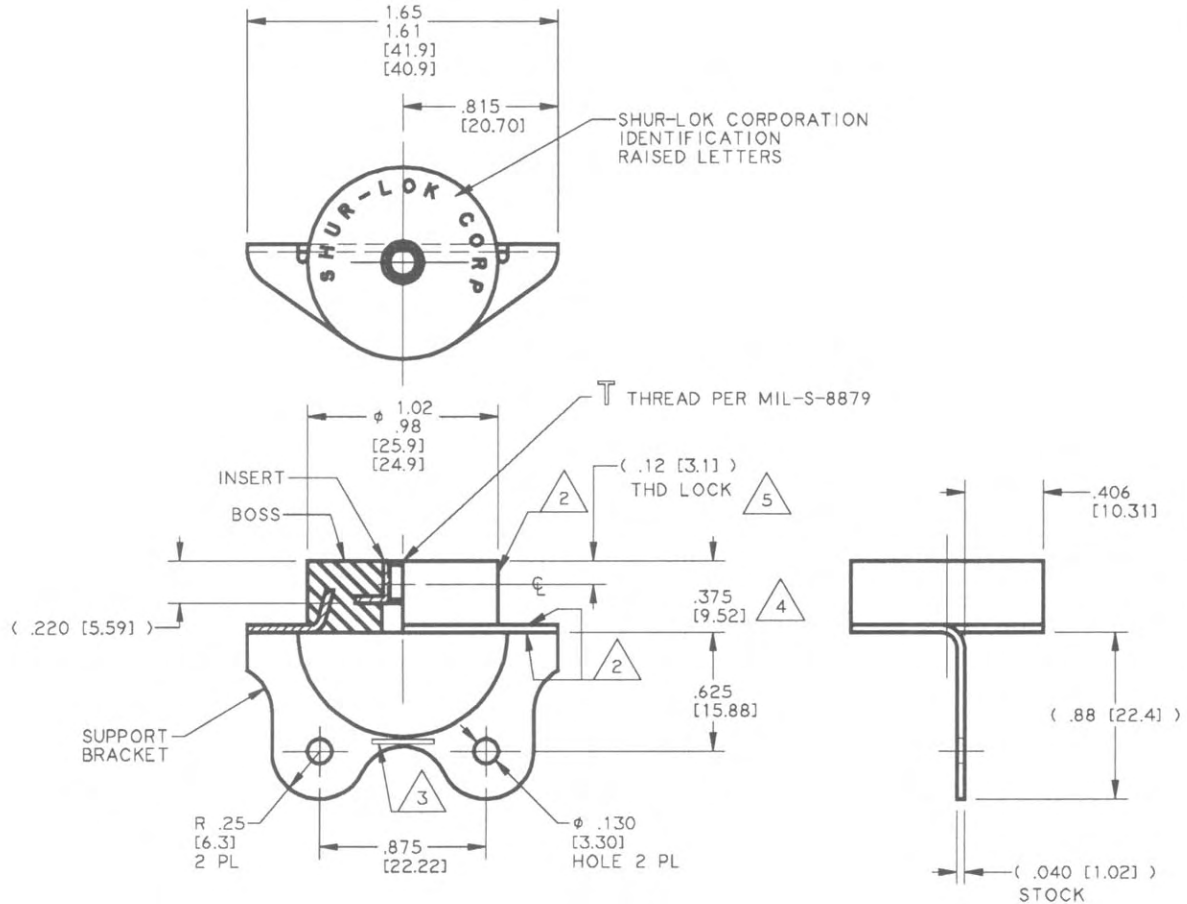


TABLE I

THREAD CODE	T THREAD
08	.1640-32UNJC-3B
3	.1900-32UNJF-3B

TABLE II

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	CRES 302, 303 OR 304 PER ASTM A276 OR ASTM A582	PASSIVATE PER AMS-QQ-P-35
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION)
- DIMENSION SHOWN EXCLUDES RAISED LETTERS.
- THREAD LOCK TORQUE PER NASM25027.
- PART SHALL WITHSTAND A MINIMUM LOAD OF 50 lbf [222 N] IN TENSION AND SHEAR.
- Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

EXAMPLE OF PART CODING



APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS.

REVISION ( F ) 29 SEP 2000

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES

XX	XXX	ANGLES	[X.X.]	[X.X.X]
±.03	±.010	±2°	±[0.8]	±[0.25]

DIMENSIONS IN [ ] ARE MILLIMETERS

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## ISOLATOR MOUNT, THREADED, SELF-LOCKING

# SL2675

SHEET 1 OF 1

# ISOLATOR MOUNT

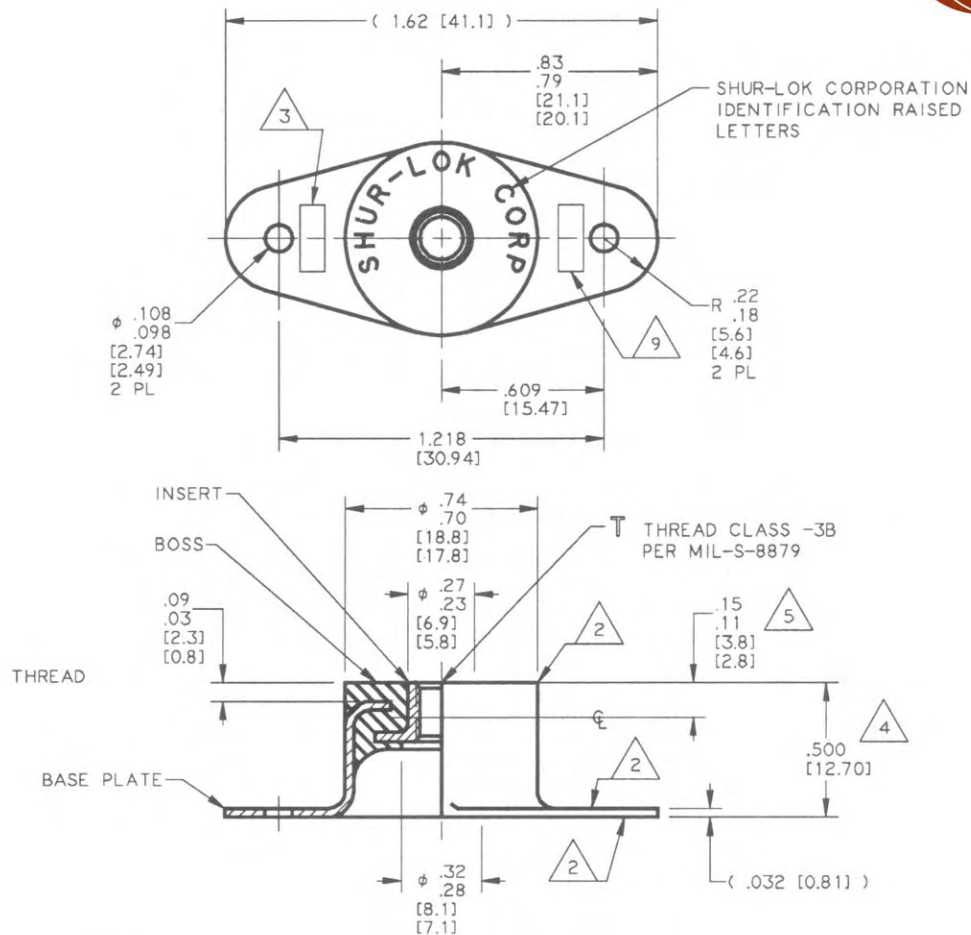


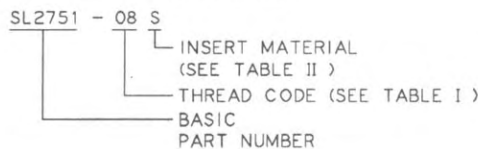
TABLE I

THREAD CODE	T THREAD
08	.1640-32 UNJC
3	.1900-32 UNJF

TABLE II

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CLEAR CHEM FILM PER MIL-C-5541, CL 3
INSERT	C CRES 302, 303 OR 304 PER ASTM A276 OR ASTM A582	PASSIVATE PER AMS-QQ-P-35
	S STEEL 1050 PER AMS5085 OR EQUIVALENT	CAD PLATE PER QQ-P-416, TYPE II, CL 2
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1	NONE

**EXAMPLE OF PART CODING:**



**APPLICATION:**

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED IN FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

**NOTES:**

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- DIMENSION SHOWN EXCLUDES RAISED LETTERS.
- THREAD LOCK TORQUE PER NASM25027.
- PART SHALL WITHSTAND A MIN LOAD OF 200 lbf [890 N] IN TENSION AND SHEAR IN ALL DIRECTIONS.
- TO PREVENT GALLING IT IS RECOMMENDED THAT A SILVER PLATED BOLT BE USED WITH CRES INSERT.
- MATERIAL TO BE SELF-EXTINGUISHING WITHIN 30 SECONDS WHEN TESTED PER BAC D6-8099.
- IDENTIFY WITH BOEING PART NUMBER (BACS14K) BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

REVISION (J) 29 SEP 2000

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES  
**TOLERANCES**  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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**SL2751**

**ISOLATOR MOUNT, THREADED,  
 LIGHTWEIGHT**

SHEET 1 OF 1



# ISOLATOR MOUNT

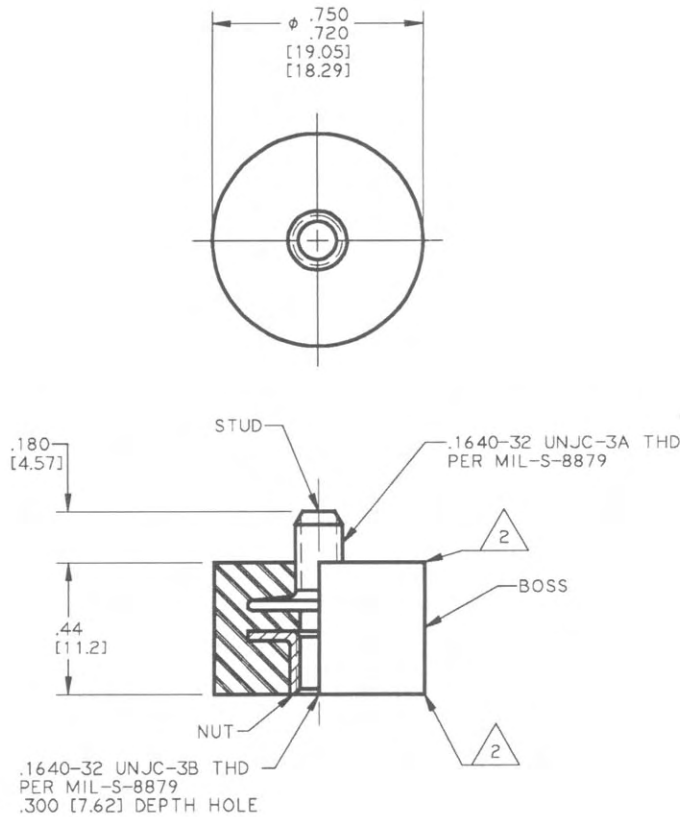


TABLE I

ITEM	MATERIAL	FINISH
STUD	CARBON STEEL PER ASTM A108	CAD PLATE PER QQ-P-416 TYPE II, CL 2
NUT	CRES 302, 303 OR 304 PER ASTM A276 OR ASTM A582	PASSIVATE PER AMS-QQ-P-35
BOSS $\triangle 3$	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1 $\triangle 5$	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- $\triangle 2$  RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.
- $\triangle 3$  RUBBER MUST MEET FLAMABILITY REQUIREMENTS OF F.A.R. 25.853.
- PART SHALL WITHSTAND:
  - A MIN LOAD OF 4.5 lbf [20 N] IN TENSION AND SHEAR IN ALL DIRECTIONS
  - MIN TORQUE OUT OF 20 lbf-in [2.3 Nm].
- $\triangle 5$  Z1= SPECIAL REQUIREMENT OF 55  $\pm$ 5 DUROMETER.

APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT, NORMALLY MOUNTED IN FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS.

REVISION E 29 SEP 2000

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER  
 ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.XX]  
 $\pm .03$   $\pm .010$   $\pm 2^\circ$   $\pm [0.8]$   $\pm [0.25]$   
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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## ISOLATOR MOUNT, INTERNAL AND EXTERNAL THREAD

**SL8117**

SHEET 1 OF 1

# ISOLATOR MOUNT

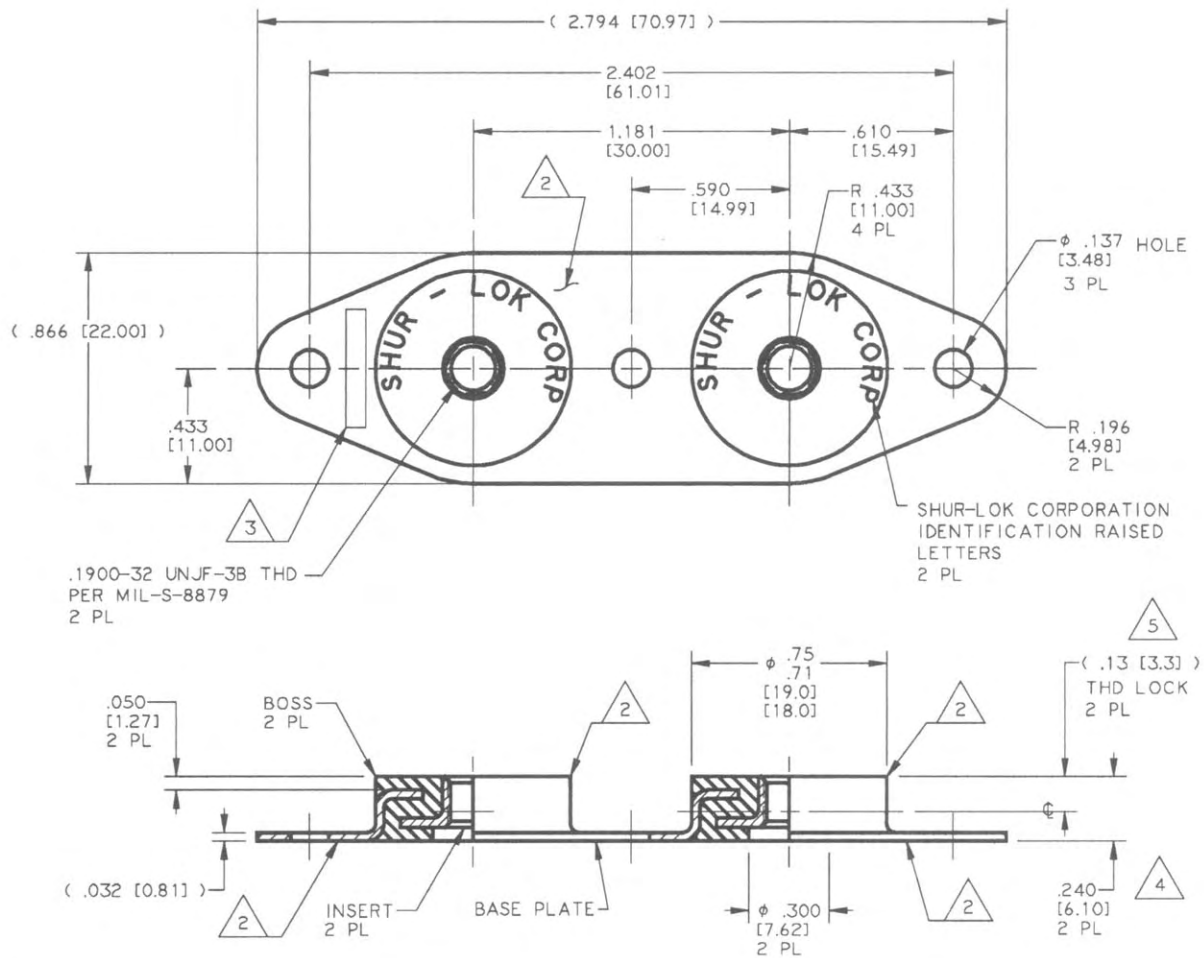


TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	CARBON STEEL PER ASTM A108	CAD PLATE PER QQ-P-416, TYPE II, CL 2
BOSS	SILICONE RUBBER PER BMS1-63	NONE

NOTES:

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THESE SURFACES.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- DIMENSION SHOWN EXCLUDES RAISED LETTERS.
- THREAD LOCK TORQUE PER NASM25027.
- PART SHALL WITHSTAND A MINIMUM LOAD OF 494 lbf [2198 N] IN SHEAR PER ISOLATOR.

APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED IN FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION G 29 SEP 2000

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER  
 ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.XX]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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**SL8120-3**

**ISOLATOR MOUNT, TANDEM,  
 THREADED. SELF - LOCKING**

SHEET 1 OF 1

# ISOLATOR MOUNT

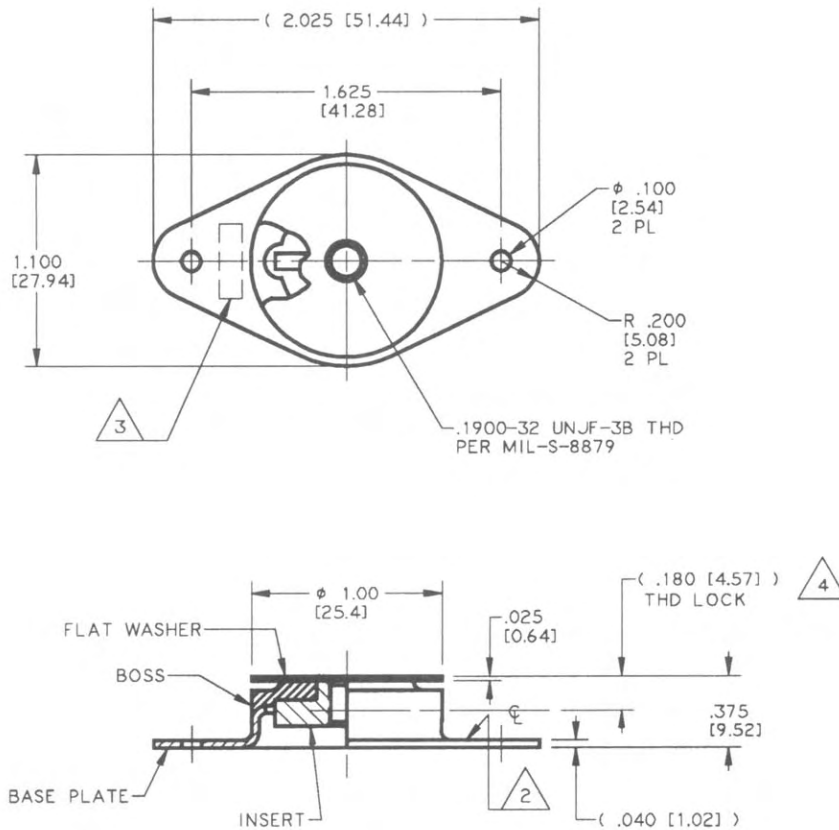


TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	ZINC ALLOY AG40A PER ASTM B-240	CHROMATE PER MIL-C-17711
BOSS	SILICONE RUBBER PER BOEING SPEC BMS 1-63	NONE
FLAT WASHER	CRES 17-7PH PER AMS 5528	PASSIVATE PER AMS-QQ-P-35

NOTES:

1. BASE PLATE COMPONENT IS BONDED TO CONTACTING RUBBER SURFACES.
2. RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.
3. IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
4. THREAD LOCK TORQUE PER NASM25027.

APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION ( F ) 29 SEP. 2000

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER  
 ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER  
 PLATING AND PRIOR TO THE ADDITION OF SOLID  
 FILM LUBRICANT. 125 [3.2] ALL SURFACES

TOLERANCES  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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**SHUR-LOK**

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 TELEPHONE: (32) 87-32.07.11

**SL8129**

**ISOLATOR MOUNT, THREADED  
 SELF - LOCKING**

SHEET **1** OF **1**

# ISOLATOR MOUNT

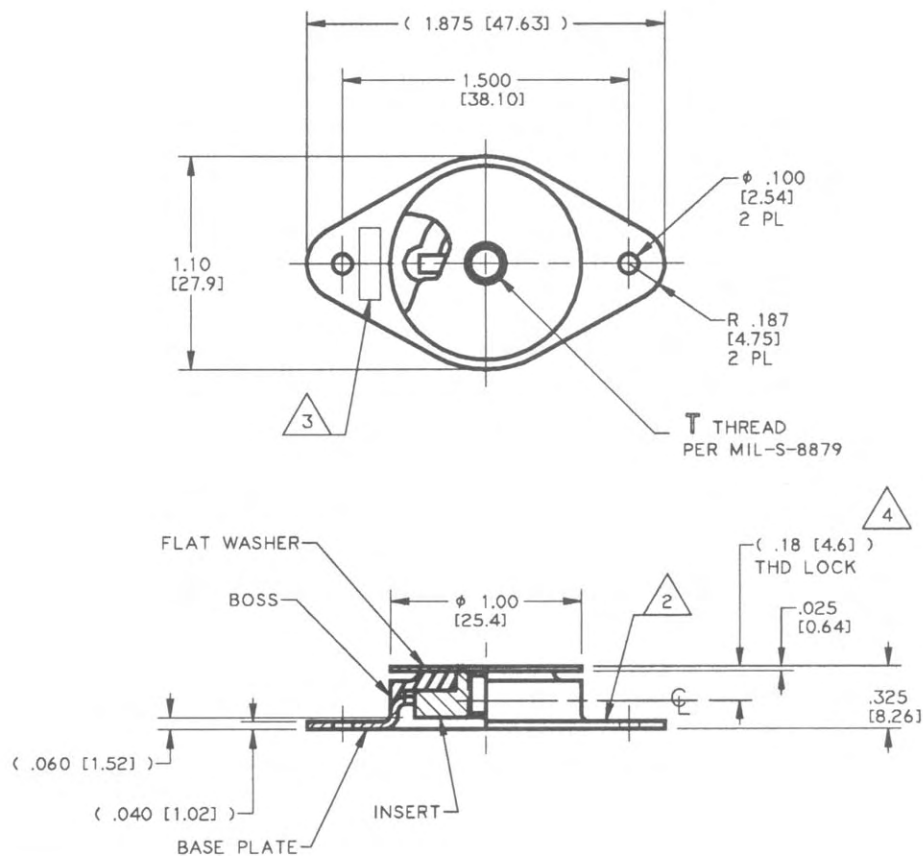


TABLE I

THREAD CODE	T THREAD
1	.1640-32UNJC-3B
2	.1900-32UNJF-3B

TABLE II

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL C-5541, CL 1A
INSERT	ZINC ALLOY AG40A PER ASTM B-240	CHROMATE PER MIL-C -17711
BOSS	SILICONE RUBBER PER BOEING SPEC BMS 1-63	NONE
FLAT WASHER	CRES 17-7PH PER AMS 5528	PASSIVATE PER AMS-QQ-P-35

**EXAMPLE OF PART CODING:**



**NOTES:**

- ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
- RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.
- IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
- THREAD LOCK TORQUE PER NASM25027.

**APPLICATION:**

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT. NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

REVISION H 29 SEP 2000

UNLESS OTHERWISE SPECIFIED  
 INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. 125 [3.2] ALL SURFACES  
 TOLERANCES  
 .XX .XXX ANGLES [X.X.] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
 DIMENSIONS IN [ ] ARE MILLIMETERS

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 TELEPHONE: (949) 474-6000

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 PETIT-RECHAIN, BELGIUM  
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**SL8130**

**ISOLATOR MOUNT, THREADED,  
 SELF - LOCKING**

SHEET 1 OF 1

# ISOLATOR MOUNT



TABLE II

BASE PLATE CONFIG.	L	L <sub>1</sub>
1	1.284 [32.61]	.984 [24.99]
2	1.045 [26.54]	.745 [18.92]

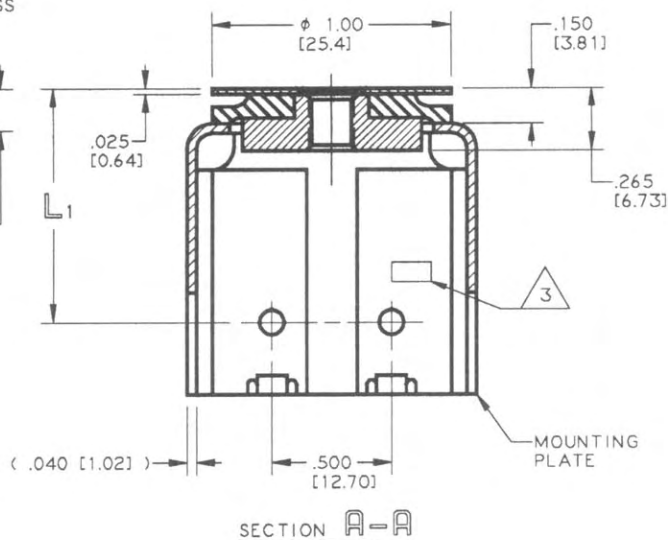
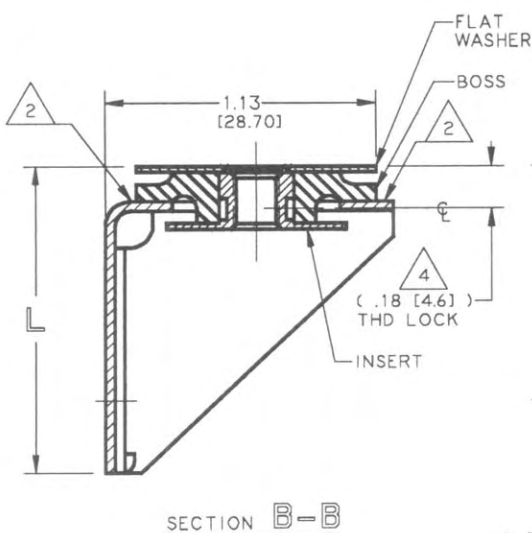
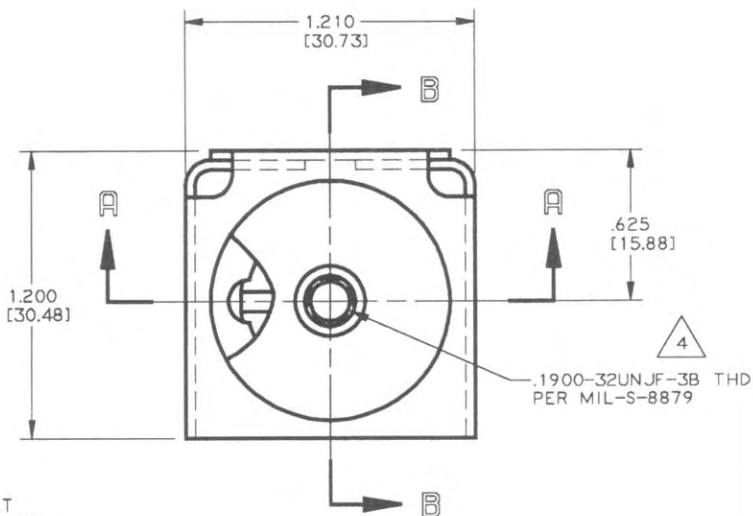


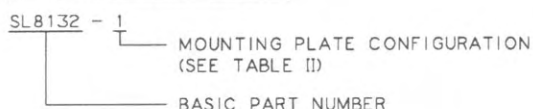
TABLE I

ITEM	MATERIAL	FINISH
BASE PLATE	AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CHEM FILM PER MIL-C-5541, CL 1A
INSERT	ZINC ALLOY AG40A PER ASTM B-240	CHROMATE PER MIL-C-17711
BOSS	SILICONE RUBBER PER BOEING SPEC BMS 1-63	NONE
FLAT WASHER	CRES 17-7PH PER AMS 5528	PASSIVATE PER AMS-QQ-P-35

NOTES:

1. ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.
2. RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.
3. IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).
4. THREAD LOCK TORQUE PER NASM25027.

EXAMPLE OF PART CODING



APPLICATION:

USED FOR REDUCTION OF VIBRATION, NOISE AND HEAT TRANSFER INTO CABIN OR INTERIOR AREAS OF AIRCRAFT, NORMALLY MOUNTED TO FRAMES AND USED TO SPACE AND ATTACH INTERIOR TRIM PANELS. BASE PLATE FORMED AROUND INSERT TO ACHIEVE FAIL-SAFE DESIGN.

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.XX .XXX ANGLES [X.X] [X.X.X]  
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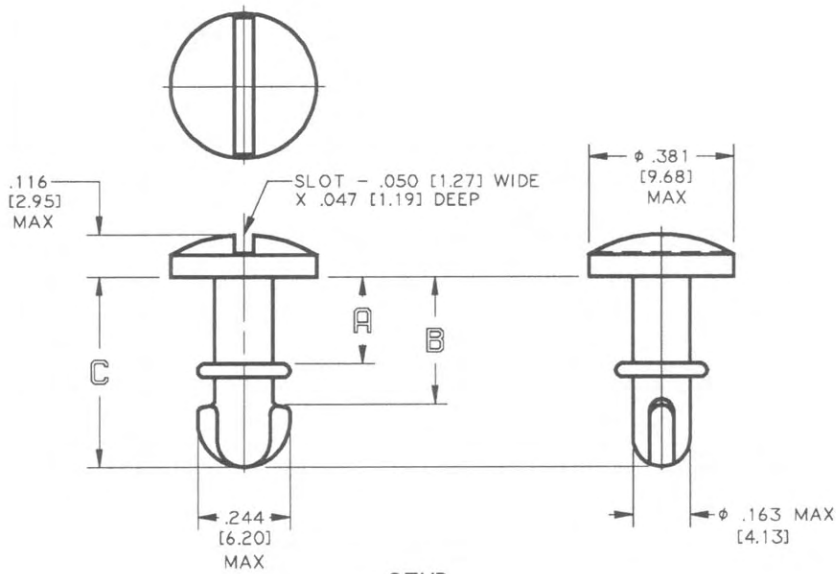
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**ISOLATOR MOUNT, THREADED,  
SELF - LOCKING**

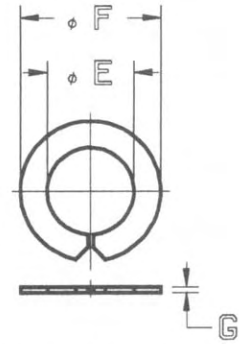
**SL8132**

SHEET 1 OF 1

# ISOLATOR MOUNT

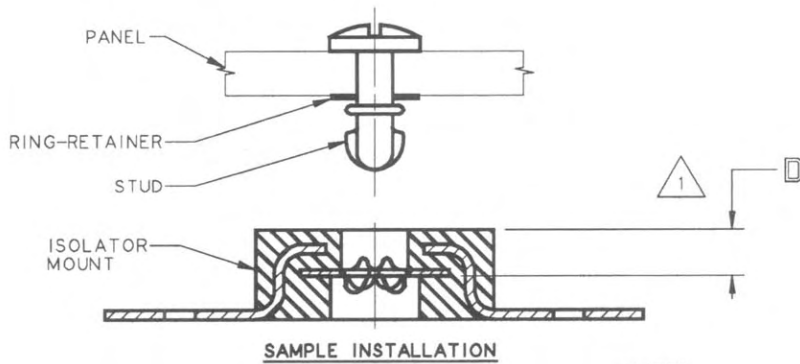


**STUD**  
SEE TABLE I



**RING - RETAINING**

SEE TABLE II



**NOTES:**



PART CODE: SL2286-180 - STUD, QUICK RELEASE FASTENER, OVAL HEAD, FOR TOTAL MATERIAL THICKNESS OF .066 - .085 [1.68 - 2.16] WHEN RECEPTACLE DIM. "D" IS .281 [7.14] OR .154 - .173 [3.91 - 4.39] WHEN RECEPTACLE DIM. "D" IS .193 [4.90].



RING - RETAINING SLR2286-2 OR SLR2286-2-11 ORDERED SEPARATELY.

3. CONSULT SHUR-LOK TECHNICAL SERVICES DEPARTMENT FOR OTHER MATERIALS, FINISHES OR SIZES.

**EXAMPLE OF PART CODING - STUD**

SL2286 - 180  
 DASH NO. (SEE TABLE I)  
 BASIC PART NUMBER

**APPLICATION:**

TO BE USED WITH SHUR-LOK ISOLATOR MOUNTS HAVING 1/4 TURN INSERT FEATURE.

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**TOLERANCES**  
 .XX .XXX ANGLES [X.X] [X.X.X]  
 ±.03 ±.010 ±2° ±[0.8] ±[0.25]  
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**SL2286**

**STUD, 1/4 TURN, QUICK RELEASE**

SHEET 1 OF 2

# ISOLATOR MOUNT



TABLE I


DASH NO.	A MIN	B MIN	C MAX	PANEL THICKNESS RANGE 	
				D = .281 [7.14]	D = .193 [4.90]
-40	.066 [1.68]	.117 [4.50]	.335 [8.51]	—	.014 - .033 [0.36 - 0.84]
-60	.070 [1.78]	.191 [4.85]	.357 [9.08]	—	.034 - .053 [0.86 - 1.35]
-80	.089 [2.25]	.220 [5.58]	.380 [9.65]	—	.054 - .073 [1.37 - 1.85]
-100	.112 [2.85]	.236 [6.00]	.398 [10.10]	—	.074 - .093 [1.88 - 2.36]
-120	.130 [3.30]	.254 [6.45]	.415 [10.55]	.000 - .025 [0.00 - 0.64]	.094 - .113 [2.39 - 2.87]
-140	.150 [3.80]	.276 [7.00]	.437 [11.10]	.026 - .045 [0.66 - 1.14]	.114 - .133 [2.90 - 3.38]
-160	.169 [4.30]	.297 [7.55]	.459 [11.65]	.046 - .065 [1.17 - 1.65]	.134 - .153 [3.40 - 3.89]
-180	.191 [4.85]	.313 [7.94]	.475 [12.07]	.066 - .085 [1.68 - 2.16]	.154 - .173 [3.91 - 4.39]
-200	.224 [5.70]	.339 [8.60]	.495 [12.58]	.086 - .105 [2.18 - 2.67]	.174 - .193 [4.42 - 4.90]
-220	.247 [6.27]	.364 [9.25]	.515 [13.08]	.106 - .125 [2.69 - 3.18]	.194 - .213 [4.93 - 5.41]
-240	.267 [6.78]	.385 [9.78]	.535 [13.59]	.126 - .145 [3.20 - 3.68]	.214 - .233 [5.44 - 5.92]
-260	.287 [7.29]	.404 [10.25]	.555 [14.10]	.146 - .165 [3.71 - 4.19]	.234 - .253 [5.94 - 6.43]
-280	.297 [7.54]	.420 [10.66]	.580 [14.73]	.166 - .185 [4.22 - 4.70]	.254 - .273 [6.45 - 6.93]
-300	.321 [8.15]	.439 [11.15]	.595 [15.11]	.186 - .205 [4.72 - 5.21]	.274 - .293 [6.96 - 7.44]
-320	.343 [8.70]	.463 [11.75]	.615 [15.63]	.206 - .225 [5.23 - 5.72]	.294 - .313 [7.47 - 7.95]

TABLE II

RING - RETAINING PART NO.	φ E	φ F	G
SLR2286-2	.224 [5.70]	.365 [9.27]	.015 [0.38]
SLR2286-2-11	.224 [5.70]	.433 [11.00]	.015 [0.38]

TABLE III

ITEM	MATERIAL	FINISH
STUD	STEEL 1010 OR C1117 OR EQUIVALENT	CAD PLATE PER QQ-P-416 TYPE I, CL 1
RING - RETAINING SLR2286 - 2	CRES	PASSIVATE PER AMS-QQ-P-35
RING - RETAINING SLR2286 - 2 - 11	ALLOY STEEL	CAD PLATE PER QQ-P-416 TYPE I, CL 1

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**SL2286**

**STUD, 1/4 TURN,  
 QUICK RELEASE**

SHEET **2** OF **2**