



Shur-Lok

Miscellaneous Fasteners Catalog

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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

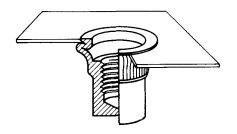
BLIND INSERTS

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 1380-32 thru 3750-24 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

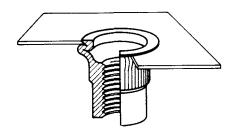
Further options include alloy or corrosion resistant steel and a selection of finishes as well as dri-film lubricant Installation of both types is accomplished by manual, semi-pneumatic or pneumatic tooling available from Shur-Lok Corporation

Example (Figure 1)

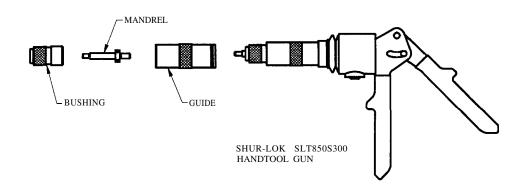
SL850



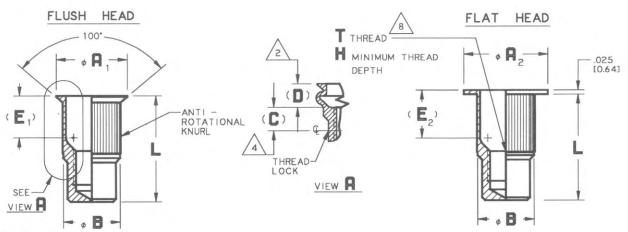
SL854



Example (Figure 2)



FASTENERS BLIND INSTALLATION



FIRST DASH NO.	T THREAD 8	φ A ,	φ A ₂	ø B	(C)	Н	INSTALLATION HOLE SIZE
06 👌	.1380-32 UNJC-3B						107 341 774 775
мз \land	M3 X 0.5 4H6H	.312 [7.92]	.375 [9.52]	.255 [6.48]	.12 [3.0]	.187 [4.75]	.256259 [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]	.256259 [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]	.301304 [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]	.322326 [8.18-8.28]
5	.3125-24 UNJF-3B						
М8	M8 X 1.0 4H5H	.500 [12.70]	.562 [14.27]	.418 [10.62]	.20 [5.1]	.390 [9.91]	.420424 [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]	.483487 [12.27-12.37]

TARIF II

MATL	MATERIAL
c/A	CRES
-	STEEL

TABLE III

FINISH	FINISH
С	CAD PLATE PER QQ-P-416
СМ	CAD PLATE PER QQ-P-416 PLUS DRI-FILM LUBE PER MIL-L-46010, TYPE I
М	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

BASIC PART NUMBER T T	10 C FINISH, SEE TABLE III
MATERIAL, SEE TABLE II	SHEET THICKNESS, SEE TABLE IV. V. VI AND VII
THREAD SIZE, SEE TABLE I	F= FLAT HEAD, SELF-LOCKING H= FLAT HEAD, NON-LOCKING C= FLUSH HEAD, SELF-LOCKING B= FLUSH HEAD, NON-LOCKING

NOTES:

- 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 NA0009.
- DASH 2 SHOULD ONLY BE USED IN PREPOT APPLICATIONS.
- 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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI Y145M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3,2]
ALL SURFACES
TOLERANCES TOLERANCES

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

SHUR-LOK COPORATION
RIVINE, CALIFORNIA 92614
TELEPHONE: (949) 474-6000

SHUR-LOK

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

SL850

SHEET 1 of **2**

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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	-() /2	(E ₂)	
1	.010039	[0.25-0.99]	.450	[11.43]	.08	[2.0]	.160 [4.0	6]
4	.040069	[1.02-1.75]	.450	[11.43]	.11	[2.8]	.190 [4.83	3]
7	.070099	[1.78-2.51]	.550	[13.97]	.14	[3.6]	.220 [5.5	9]
10	.100129	[2.54-3.28]	.550	[13.97]	.17	[4.3]	.250 [6.3	5]
13	.130159	[3.30-4.04]	.650	[16.51]	.21	[5.3]	.280 [7.1	1]
16	.160189	[4.06-4.80]	.650	[16.51]	.24	[6.1]	.310 [7.8]	7]

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

SECOND DASH NO.	SHEET THICKNESS	L L		(E ₁)	
2 5	.020049 [0.51-1.24]	.450 [11.43]	.09 [2.3]	.135 [3.43]	
5	.050069 [1.27-1.75]	.450 [11.43]	.12 [3.0]	.165 [4.19]	
7	.070099 [1.78-2.51]	.550 [13.97]	.15 [3.8]	.185 [4.70]	
10	.100129 [2.54-3.28]	.550 [13.97]	.18 [4.6]	.215 [5.46]	
13	.130159 [3.30-4.04]	.650 [16.51]	.21 [5.3]	.245 [6.22]	
16	.160189 [4.06-4.80]	.650 [16.51]	.24 [6.1]	.275 [6.98]	

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

SECOND DASH NO.	SHEET			L	()) /2	(E ₁)	(E ₂)
5 3	.050109	[1.27-2.77]	.678	[17.22]	.10	[2.5]	.202 [5.13]	.227 [5.77]
11	.110169	[2.79-4.29]	.738	[18.74]	.16	[4.1]	.262 [6.65]	.287 [7.29]
17	.170229	[4.32-5.82]	.798	[20.27]	.22	[5.6]	.322 [8.18]	.347 [8.81]
23	.230289	[5.84-7.34]	.858	[21.79]	.28	[7.1]	.382 [9.70]	.407 [10.34]
29	.290349	[7.37-8.86]	.918	[23.32]	.34	[8.6]	.442 [11.23]	.467 [11.86]
35	.350409	[8.89-10.39]	.978	[24.84]	.40	[10.2]	.502 [12.75]	.527 [13.39]

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

SECOND DASH NO.	SHEE THIC	T KNESS		L	(), \(\sum_{2} \)	(1	(2
10	.100179	[2.54-4.55]	.937	[23.80]	.18	[4.6]	.262	[6.65]	.287	[7.29]
18	.180259	[4.57-6.58]	1.017	[25.83]	.26	[6.6]	.342	[8.69]	.367	[9.32]
26	.260339	[6.60-8.61]	1.100	[27.94]	.34	[8.6]	.422	[10.72]	.447	[11.35]
34	.340419	[8.64-10.64]	1.180	[29.97]	.42	[10.7]	.502	[12.75]	.527	[13.39]
42	.420500	[10.67-12.70]	1.260	[32.00]	.50	[12.7]	.582	[14.78]	.607	[15.42]

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 174.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3.2]
ALL SURFACES
TOLERANCES

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

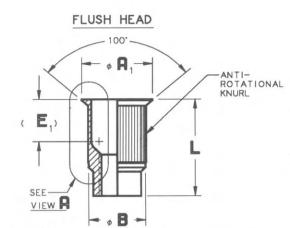
INSERT, BLIND THREADED PULL - UP TYPE

SL850

SHEET 2

FASTENERS BLIND INSTALLATION







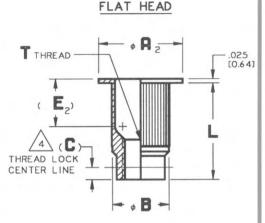


TABLE I

FIRST DASH NO.	T THREAD 7	φ A ,	ø A 2	ø B	(C)	INSTALLATION HOLE SIZE
06 🙆	.1380-32 UNJC-3B	712 [7.02]	.375 [9.52]	255 14 401	04 [1 5]	.256259 [6.50 - 6.58]
M3 6	M3 X 0.5-4H6H	.312 [7.92]	.575 [4.52]	.255 [6.46]	.06 [1.5]	.236237 [6.30 - 6.36]
08	.1640-32 UNJC-3B	712 [792]	.375 [9.52]	255 [4.49]	04 (1.5)	.256259 [6.50 - 6.58]
M4	M4 X 0.7-4H6H	.312 17.723	.373 [4.32]	.255 [6.46]	.06 [1.5]	.236237 [6.30 - 6.36]
3	.1900-32 UNJF-3B	.375 [9.52]	.437 [11.10]	300 [7.42]	04 [1.5]	.301304 [7.64 - 7.72]
M5	M5 X 0.8-4H6H	.375 [9.52]	.437 [11.10]	.300 [7.62]	.06 [1.5]	.301304 [7.64 - 7.72]
4	.2500-28 UNJF-3B	477 (44 40)	.500 [12.70]	720 (0.17)	12 (7.0)	.322326 [8.18 - 8.28]
М6	M6 X 1-4H5H	.437 [11.10]	.500 [12.70]	.320 [8.13]	.12 [3.0]	.322326 [8.16 - 8.28]
5	.3125-24 UNJF-3B	500 (10 70)	E/2 [1407]	410 [10 (2]	12 [7.0]	420 424 [10/7 1077
М8	M8 X 1-4H5H	.500 [12.70]	.562 [14.27]	.418 [10.62]	.12 [3.0]	.420424 [10.67 - 10.77]
6	.3750-24 UNJF-3B	540 544 673	/25 sus and	47/ 540 003	10.57.03	407 407 (10.07 10.77
M10	M10 X 1.25-4H5H	.562 [14.27]	.625 [15.88]	.4/6 [12.09]	.12 [3.0]	.483487 [12.27 - 12.37]

TABLE II

MATL CODE	MATERIAL	
c 6	CRES	
-	STEEL	

TABLE III

FINISH	FINISH
С	CAD PLATE PER QQ-P-416
СМ	CAD PLATE PER QQ-P-416 PLUS DRI-FILM LUBE PER MIL-L-46010, TYPE I
М	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

BASIC PART NUMBER THREAD SIZE, SEE TABLE IT

FINISH, SEE TABLE III

SHEET THICKNESS, SEE TABLE IV.
V. VI AND VII

F = FLAT HEAD, SELF-LOCKING H = FLAT HEAD, NON-LOCKING C = FLUSH HEAD, SELF-LOCKING

B = FLUSH-HEAD, NON-LOCKING

NOTES

- REFER TO SLD850 DATA SHEET FOR INSTALLATION TOOLS AND INSTALLATION PROCEDURE.
- 2
 - D DIMENSION IS TO THE FIRST THREAD AFTER INSTALLATION.
- $\sqrt{3}$
 - NOT AVAILABLE IN FLUSH HEAD STYLE.
- 4
 - LOCKING TORQUE:
 INCH THREAD PER NASM25027.
 METRIC THREAD PER NA0009.
 - SEE SHEET 2 OF 2 FOR SHEET THICKNESS SELECTION TABLES



-06 AND M3 THREAD SIZES NOT AVAILABLE IN CRES MATERIAL.

INCH THREADS PER MIL-S-8879, METRIC THREADS PER LN9163.

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

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

INSERT, BLIND THREADED PULL - UP TYPE

SL854

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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) \(\sum_{\substack{\	(E ₂)
1	.010039 [0.25 - 0.99]	.400 [10.16]	.08 [2.0]	.160 [4.06]
4	.040069 [1.02 - 1.75]	.400 [10.16]	.11 [2.8]	.190 [4.83]
7	.070099 [1.78 - 2.51]	.500 [12.70]	.14 [3.6]	.220 [5.59]
10	.100129 [2.54 - 3.28]	.500 [12.70]	.17 [4.3]	.250 [6.35]
13	.130159 [3.30 - 4.04]	.600 [15.24]	.21 [5.3]	.280 [7.11]
16	.160189 [4.06 - 4.80]	.600 [15.24]	.24 [6.1]	.310 [7.87]
19	.190219 [4.83 - 5.56]	.650 [16.51]	.27 [6.9]	.340 [8.64]
22	.220249 [5.59 - 6.32]	.650 [16.50]	.30 [7.6]	.370 [9.40]
25	.250279 [6.35 - 7.09]	.700 [17.78]	.33 [8.4]	.400 [10.16]
28	.280309 [7.11 - 7.85]	.700 [17.78]	.36 [9.1]	.430 [10.92]
31	.310339 [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 Y.

SECOND DASH NO.	SHEET THICKNESS	L	(D)	(E ,)
5	.050069 [1.27 - 1.75]	.400 [10.16]	.12 [3.0]	.165 [4.19]
7	.070099 [1.78 - 2.51]	.500 [12.70]	.15 [3.8]	.185 [4.70]
10	.100129 [2.54 - 3.28]	.500 [12.70]	.18 [4.6]	.215 [5.46]
13	.130159 [3.30 - 4.04]	.600 [15.24]	.21 [5.3]	.245 [6.22]
16	.160189 [4.06 - 4.80]	.600 [15.24]	.24 [6.1]	.275 [6.98]
19	.190219 [4.83 - 5.56]	.650 [16.51]	.27 [6.9]	.305 [7.75]
22	.220249 [5.59 - 6.32]	.650 [16.50]	.30 [7.6]	.335 [8.51]
25	.250279 [6.35 - 7.09]	.700 [17.78]	.33 [8.4]	.365 [9.27]
28	.280309 [7.11 - 7.85]	.700 [17.78]	.36 [9.1]	.395 [10.03
31	.310339 [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	(🗖) 🟂	(E ₁)	(E ₂)
5 3	.050109 [1.27 - 2.77]	.550 [13.97]	.10 [2.5]	.202 [5.13]	.227 [5.77]
11	.110169 [2.79 - 4.29]	.600 [15.24]	.16 [4.1]	.262 [6.65]	.287 [7.29]
17	.170229 [4.32 - 5.82]	.650 [16.50]	.22 [5.6]	.322 [8.18]	.347 [8.81]
23	.230289 [5.84 - 7.34]	.700 [17.78]	.28 [7.1]	.382 [9.70]	.407 [10.34]
29	.290349 [7.37 - 8.86]	.750 [19.05]	.34 [8.6]	.442 [11.23]	.467 [11.86]
35	.350409 [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) \(\sum_{\substack} \)	(E ₁)	(E ₂)
10	.100179 [2.54 - 4.55]	.765 [19.43]	.18 [4.6]	.262 [6.65]	.287 [7.29]
18	.180259 [4.57 - 6.58]	.845 [21.46]	.26 [6.6]	.342 [8.69]	.367 [9.32]
26	.260339 [6.60 - 8.61]	.925 [23.50]	.34 [8.6]	.422 [10.72]	.447 [11.35]
34	.340419 [8.64 - 10.64]	1.005 [25.53]	.42 [10.7]	.502 [12.75]	.527 [13.39]
42	.420500 [10.67 - 12.70]	1.085 [27.56]	.50 [12.7]	.582 [14.78]	.607 [15.42]

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI Y145M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3.2]
ALL SURFACES
TOLERANCES TOLERANCES

SHUR-LOK COPORATION
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SHUR-LOK
SHUR-LOK INTERNATIONAL, S.A.
PETIT-RECHAIN, BELGUIM
TELEPHONE: (32) 87-32.07.11

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

SL854

SHEET 2 OF 2

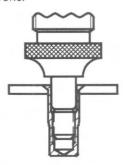
FASTENERS BLIND INSTALLATION



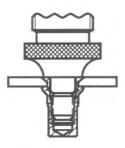
NOSE GUIDE LOCKNUT

INSTALLATION TOOLS AND PROCEDURES.

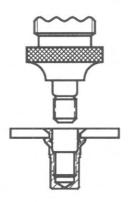
 THREAD INSERT TO MANDREL UNTIL MANDREL BOTTOMS AGAINST COUNTERBORE OF INSERT. REFER TO TSBOOOB FOR MORE DETAILED INSTRUCTIONS.



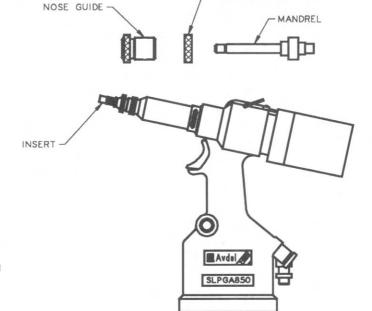
2. PLACE INSERT INTO INSTALLATION HOLE, FLUSH TO PLATE STRUCTURE.



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



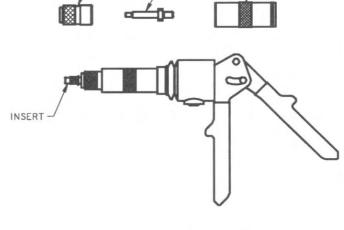
DISENGAGE TOOL FROM INSERT. REFER TO TSB0008 FOR MORE DETAILED INSTRUCTIONS ON EACH INDIVIDUAL INSTALLATION TOOL.



SLPGA850 POWER TOOL

- GUIDE

MANDREL



BUSHING

SLT850S300 HAND TOOL

NOTES:

1. **B**G1750 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.

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 [] JARE MILLIMETERS

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SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

INSTALLATION PROCEDURE AND INSTALLATION TOOLING

SLD850 DATA

2000 SEP 27 A NO REVISIO

FASTENERS = **BLIND INSTALLATION**





SLPGA850 POWER TOOL

INCLUDED:

- * 1- POWER TOOL

- * 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		SLPGA850M06
мз	M3 X 0.5		SLPGA850MM3
08	.1640-32	SLPGA850G08	SLPGA850M08
М4	M4 X 0.7		SLPGA850MM4
3	.1900–32		SLPGA850M3
M5	M5 X 0.8	SLPGA850G3	SLPGA850MM5
4	.2500–28		SLPGA850M4
М6	M6 X 1.0	SLPGA850G4	SLPGA850MM6
5	.3125–24		SLPGA850M5
М8	M8 X 1.0	SLPGA850G5	SLPGA850MM8
6	.3750-24		SLPGA850M6
M10	M10 X 1.25	SLPGA850G6	SLPGA850MM10

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

DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK COPORATION
IRVINE, CALIFORNIA 92614
TELEPHONE: (949) 474-6000

SHUR-LOK INTERNATIONAL, S.A.
PETIT-RECHAIN, BELGUIM
TELEPHONE: (32) 87-32.07.11

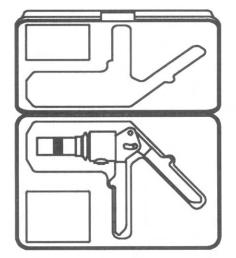
INSTALLATION PROCEDURE AND INSTALLATION TOOLING

SLD850 DATA

3 SHEET 2 OF

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 I ACCESSORY TOOLS

INSERT FIRST DASH NUMBER	INSERT THREAD SIZE	BUSHING	MANDREL		
06	.1380-32		SLT850S300-06-3		
МЗ	M3 X 0.5		SLT850S300M3-3		
08	.1640-32	SLT850S300-08-1	SLT850S300-08-3		
М4	M4 X 0.7		SLT850S300M4-3		
3	.1900-32		SLT850S300-3-3		
M5	M5 X 0.8		SLT850S300M5-3		
4	4 .2500-28 SLT850S3		SLT850S300-4-3		
М6	M6 X 1.0		SLT850S300M6-3		

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TELEPHONE: (949) 474-6000

SHUR-LOK SHUR-LOK INTERNATIONAL, S.A.
PETIT-RECHAIN, BELGUIM
TELEPHONE: (32) 87-32.07.11

INSTALLATION PROCEDURE AND INSTALLATION TOOLING

SLD850 DATA

3 OF **3** SHEET

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

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



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

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

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

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

Figure 1

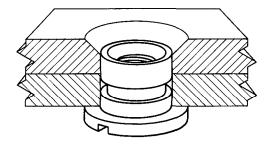


Figure 2

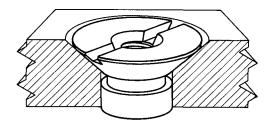
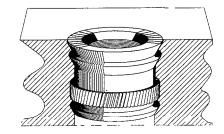


Figure 3





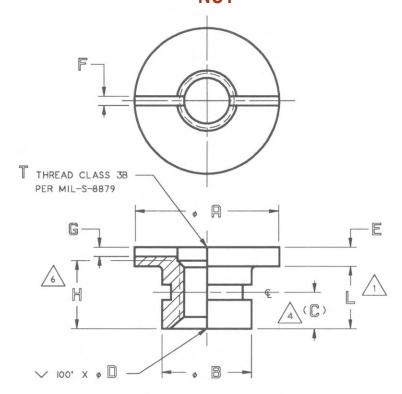


TABLE I

THREAD SIZE	THREAD	• A	ø B	(C)	ø D		F	G	MIN 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]	.257262 [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]	.257262 [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]	.316321 [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]	.437442 [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
С	CRES 303	PASSIVATE PER AMS-QQ-P-35

EXAMPLE OF PART CODING



NOTES.

L DIMENSION EQUALS TOTAL PANEL THICKNESS MINUS .050 [1.27].

- FOR SPECIAL MATERIALS, FINISHES AND OTHER VARIATIONS CONSULT SHUR-LOK TECHNICAL SERVICES DEPARTMENT.
- USE WITH 100° FLUSH HEAD SCREWS.

THREAD LOCK TORQUE PER MIL-DTL-25027.

RECOMMENDED MINIMUM PANEL THICKNESS TO OBTAIN THREAD LENGTH EQUAL TO 1.5 X THREAD DIA.

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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 1/14 5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3,2]
ALL SURFACES
TOLERANCES TOLERANCES

| XXX | ANGLES | [X.X.] | [X.X.X] | 3 ±.010 ±2° ±[0.8] ±[0.25] | DIMENSIONS IN [] ARE MILLIMETERS .XX .XXX ±.03 ±.010

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

NUT. SHEAR, SELF-LOCKING

1 of 1 SHEET

58

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NO

REVISI



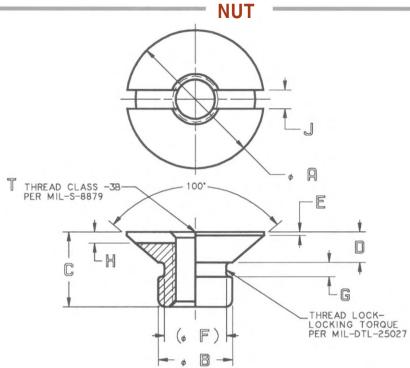


TABLE I

ADLE I										
THREAD SIZE	THREAD	ø A	+.000 [+0.00] 005 [-0.13]	±.005 [±0.13]	D MAX		(ø 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 [1 4. 27]	.501 [12.73]	.240 [6.10]	.034 [0.86]	.500 [12.70]	.080	.057 [1.45]	.108±.008 [2.74±0.20]
8	.5000-20UNJF	1.426	.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	MATERIAL	FINISH
CA	CRES 303	SILVER PLATE PER AMS2410 OR AMS2411
С	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
Т	TITANIUM 6AL-4V	SOLID FILM LUBRICANT LUBCO 2123
CS	CRES 17-4PH	SILVER PLATE PER AMS2410 OR AMS2411

EXAMPLE OF PART CODING:

THREAD SIZE (SEE TABLE I) MATERIAL CODE (SEE TABLE II) BASIC PART NUMBER

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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 1/14.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3,2]
ALL SURFACES
TOLERANCES

TOLERANCES
.XX .XXX
±.03 ±.010 ANGLES [X.X.] [X.X.X] ±2° ±[0.8] ±[0.25] $3 \pm .010 \pm 2^{\circ} \pm [0.8] \pm [$ DIMENSIONS IN [] ARE MILLIMETERS

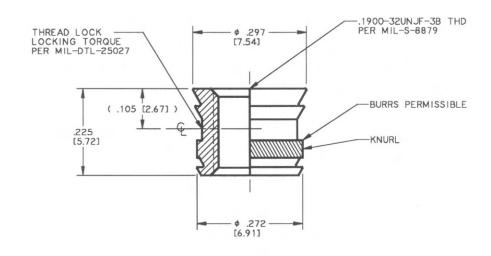
SHUR-LOK

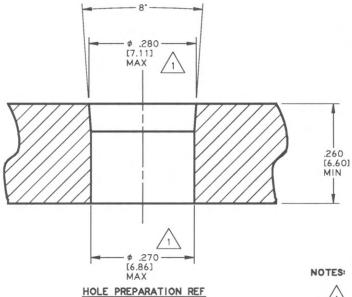
SL52

NUT, FLUSH. **SELF-LOCKING**

1 OF SHEET







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

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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI Y145M. 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] ±2° ±[0.8] ±[0.25] .XX .XXX ±.03 ±.010 DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

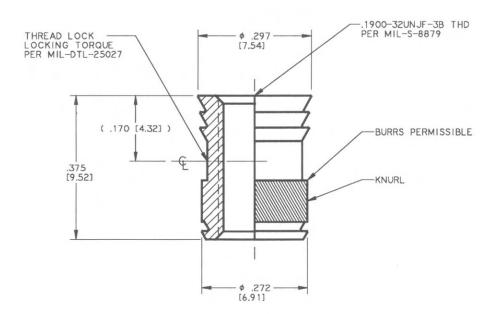
INSERT, SELF-LOCKING, ULTRA-SONIC OR INJECTION INSTALLATION **SL5214**

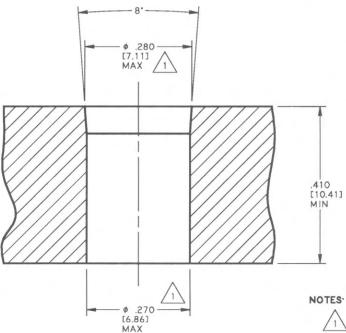
2000 SEP 29

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REVISION







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

HOLE PREPARATION REF

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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 1/14.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3.2]
ALL SURFACES
TOLERANCES TOLERANCES .XX .XXX ±.03 ±.010 ANGLES [X.X.] [X.X.X] ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

INSERT. SELF-LOCKING, **ULTRA-SONIC INJECTION INSTALLATION** **SL5238**

SHEET 1

of **1**



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

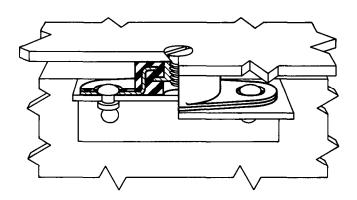
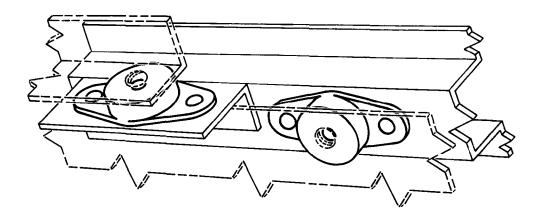
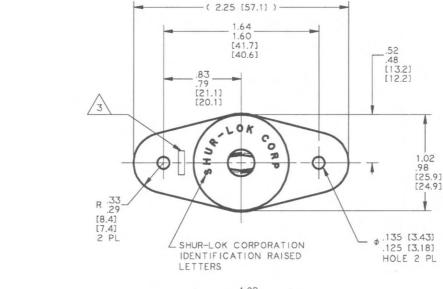


Figure 2 Quarter-Turn Receptacle







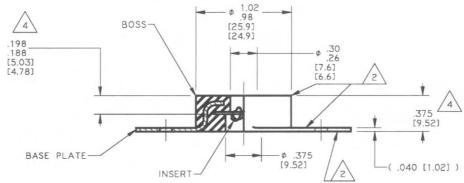


TABLE I

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 6	NONE

NOTES:

 ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.

2

RUBBER FLASH OR BONDED PERMISSIBLE ON THESE SURFACES.



IDENTIFY WITH SHUR-LOK PART NUMBER BY INK,
IMPRESSION STAMP OR LASER (METHOD AND
LOCATION MANUFACTURERS OPTION).



DIMENSIONS SHOWN EXCLUDE RAISED LETTERS.

5. PART SHALL WITHSTAND A MINIMUM LOAD OF 150 LBf [667 N] IN TENSION AND SHEAR.



Z1= SPECIAL REQUIREMENT OF 55 ±5 DUROMETER.

APPLICATION:

MPPLICATION
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
ALL SURFACES

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, 1/4-TURN **SL2048**



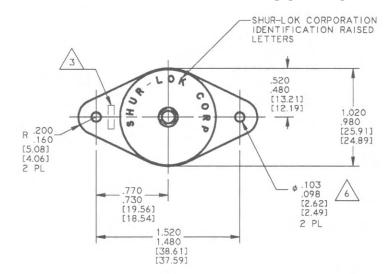
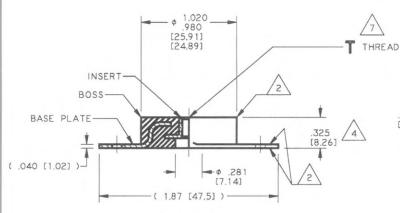
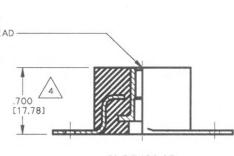


TABLE II

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





SL2049()2 (IDENTICAL TO SL2049()1 EXCEPT AS SHOWN)

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 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).



DIMENSIONS SHOWN EXCLUDE RAISED LETTERS.

5. 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 \$\phi\$.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.

APPLICATION

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.

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

EXAMPLE OF PART CODING-

SL2049 - 1 SP5

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

HEIGHT (SEE FIGURES)

HEIGHT (SEE TABLE II)

BASIC PART NUMBER

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, THREADED, NON SELF - LOCKING

SL2049



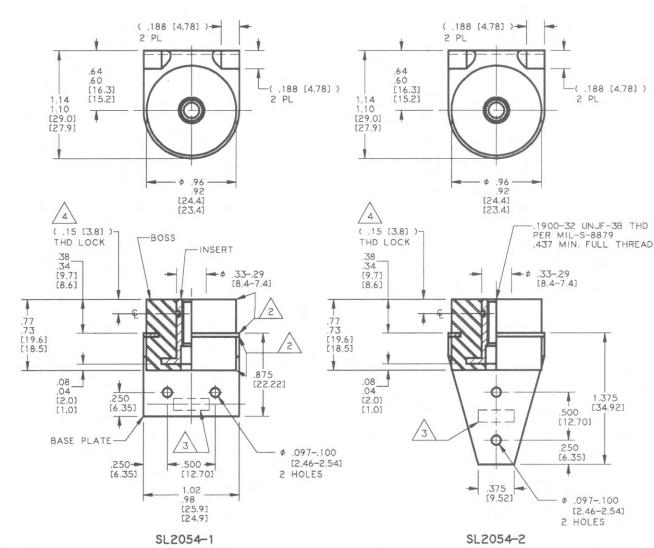


TABLE I

ITEM	MATERIAL	FINISH
BASE	AL ALLOY 2024-T4	CHEM FILM PER
PLATE	PER AMS-QQ-A-250/4	MIL-C-5541, CL 1A
INSERT STEEL C1137 PER		CAD PLATE PER QQ-P-416,
ASTM A108		TYPE II, CL 2
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1 6	NONE

NOTES

1. 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).

THREAD LOCK TORQUE PER NASM25027.

ADD SUFFIX "K" TO DELETE HOLES.

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.

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 ANGLES [X.X.] [X.X.X] ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK

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

SL2054

1 of 1 SHEET

SEP 58 Z REVISION



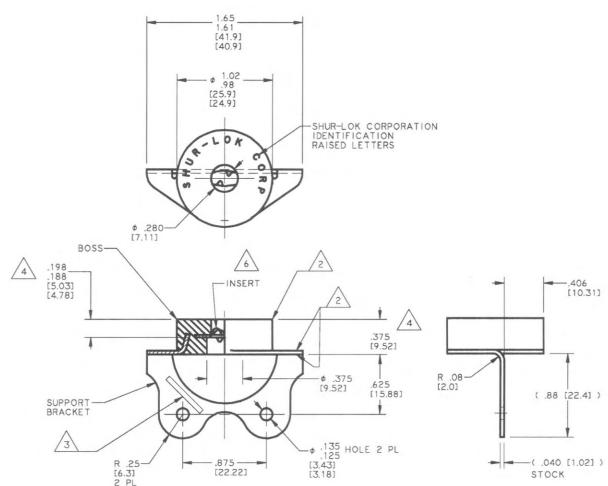


TABLE I

BASE PLATE PER AMS-QQ-A-250/11.		FINISH CHEM FILM PER MIL-C-5541, CL 1	
BOSS	SYNTHETIC RUBBER PER ASTM D2000M3BC614Z1 7	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.

5. 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 EQIVALENT.



Z1= SPECIAL REQUIREMENT OF 55 ±5

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.

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 1/14.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3.2]
ALL SURFACES
TOLERANCES

| TOLERANCES | XIX | XXXX | ANGLES | [X.X.] | [X.X.X] | ±.03 | ±.010 | ±2° | ±[0.8] | ±[0.25] | DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, 1/4 - TURN **SL2304**



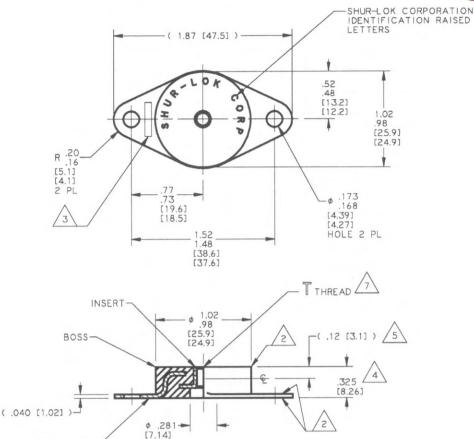


TABLE I

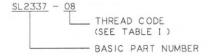
THREAD THREAD	
08	.1640-32 UNJC-3B
M4	M4 X 0.7 4H6H
3	.1900-32 UNJF-3B
M5	M5 X 0.8 4H6H

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	NONE

BASE PLATE-

EXAMPLE OF PART CODING:



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

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

19

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

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

SL2337

SHEET 1 OF 1

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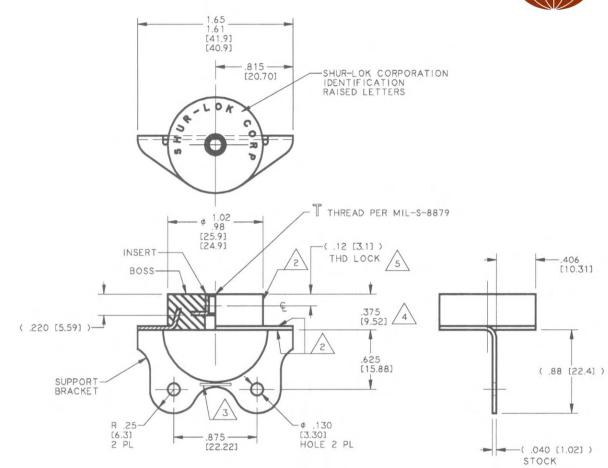


TABLE I

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 7	NONE	

EXAMPLE OF PART CODING



APPLICATION:

NOTES:

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.

1. ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES. RUBBER FLASH OR BONDED PERMISSIBLE

LOCATION MANUFACTURERS OPTION)

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

IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSION STAMP OR LASER (METHOD AND

DIMENSION SHOWN EXCLUDES RAISED LETTERS.

THESE SURFACES.

DUROMETER.

INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y145M. ALL DIMENSIONS APPLY AFTER PLATING AND PRIOR TO THE ADDITION OF SOLID FILM LUBRICANT. IZ5[3,2] ALL SURFACES TOLERANCES ANGLES [X.X.] [X.X.X] ±2° ±[0.8] ±[0.25] .XX .XXX ±.03 ±.010

DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

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

20

SL2675

SHEET 1 OF REVI



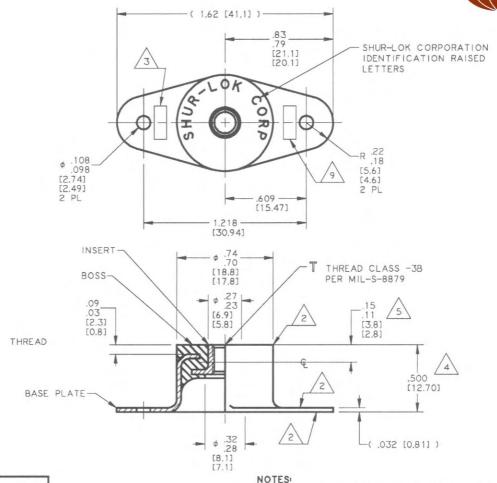


TABLE I

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

TABLE II

BASE PLATE		MATERIAL	FINISH
		AL ALLOY 6061-T6 PER AMS-QQ-A-250/11	CLEAR CHEM FILM PER MIL-C-5541, CL 3
	С	CRES 302, 303 OR 304 PER ASTM A276 OR ASTM A582	PASSIVATE PER AMS-QQ-P-35
INSERT	s	STEEL 1050 PER AMS5085 OR EQUIVALENT	CAD PLATE PER QQ-P-416, TYPE II, CL 2
BOSS /	8	SYNTHETIC RUBBER PER 10	NONE

EXAMPLE OF PART CODING.



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.

5

THREAD LOCK TORQUE PER NASM25027.

PART SHALL WITHSTAND A MIN LOAD OF 200 bf [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).

10 Z1= SPECIAL REQUIREMENT OF 55 ±5

DUROMETER. APPLICATION

SHUR-LOK COPORATION
IRVINE, CALIFORNIA 92614
TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A PETIT-RECHAIN, BELGUIN TELEPHONE: (32) 87-32.07.1

SL2751

ISOLATOR MOUNT, THREADED, LIGHTWEIGHT

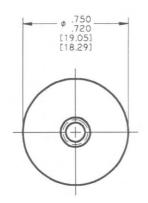
SHEET 1 OF

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

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI Y14.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID

21





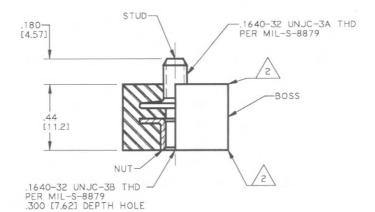


TABLE I

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 3	SYNTHETIC RUBBER PER STM D2000M3BC614Z1	NONE

NOTES.

ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.



RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.



RUBBER MUST MEET FLAMABILITY REQUIREMENTS OF F.A.R. 25.853.



PART SHALL WITHSTAND:
(a) A MIN LOAD OF 4.5 lbf [20 N] IN
TENSION AND SHEAR IN ALL DIRECTIONS
(b) MIN TORQUE OUT OF 20 lbf-in [2.3 Nm].



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.

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

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, INTERNAL AND EXTERNAL THREAD

SL8117

SHEET 1 OF 1

29 SEP 2000



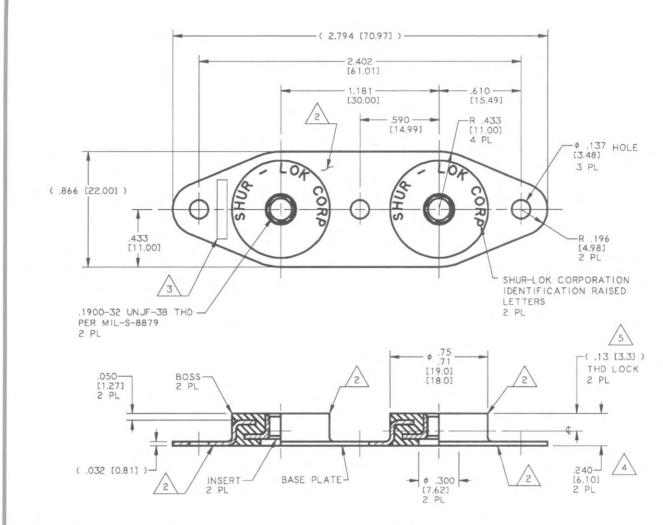


TABLE I

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:

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

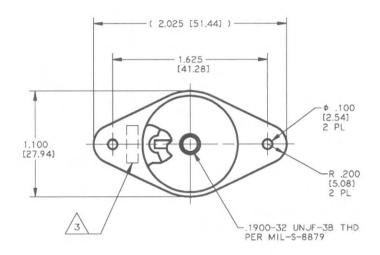
SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A PETIT-RECHAIN, BELGUIN TELEPHONE: (32) 87-32.07.1

ISOLATOR MOUNT, TANDEM, THREADED. SELF - LOCKING

SL8120-3





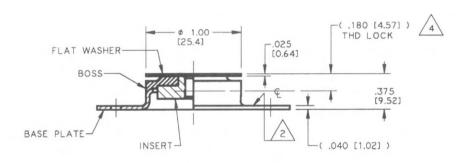


TABLE I

ITEM	MATERIAL	FINISH	
BASE PLATE	AL ALLOY 6061-T6 CHEM FILM PER PER AMS-QQ-A-250/11 MIL-C-5541, CL		
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:

BASE PLATE COMPOMENT IS BONDED TO CONTACTING RUBBER SURFACES.



RUBBER FLASH OR BONDED PERMISSIBLE THIS SURFACE.



IDENTIFY WITH SHUR-LOK PART NUMBER BY INK, IMPRESSSION STAMP OR LASER (METHOD AND LOCATION MANUFACTURERS OPTION).



THREAD LOCK TORQUE PER NASM25027.

APPLICATION:

MPPLICATION OF VIBRATION, NOISE AND HEAT TRANSFER INTO 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.

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

SHUR-LOK COPORATION
IRVINE, CALIFORNIA 92614
TELEPHONE: (949) 474-6000

SHUR-LOK INTERNATIONAL, S.A PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, THREADED **SELF - LOCKING**

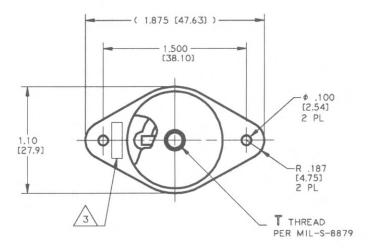
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1 OF 1 SHEET





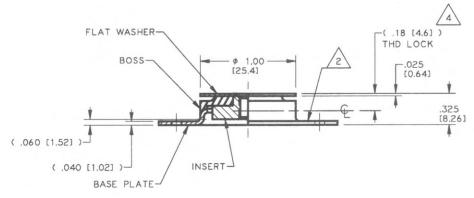


TABLE I

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

NOTES:

ALL METAL COMPOPNENTS 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).



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.

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

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-600

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

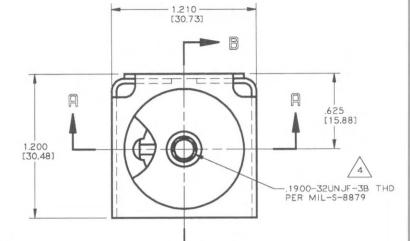
ISOLATOR MOUNT, THREADED, SELF - LOCKING

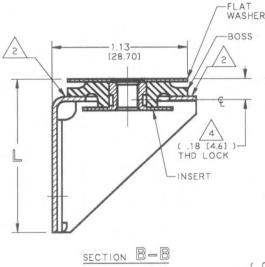
SL8130

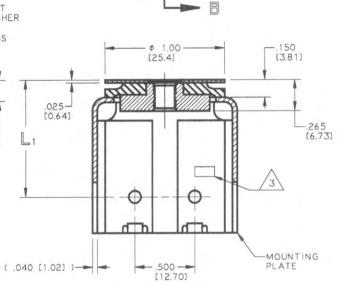




BASE PLATE CONFIG.	L	L ₁
1	1.284	.984 [24.99]
2	1.045 [26.54]	.745 [18.92]







SECTION A-A

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			

NOTES

 ALL METAL COMPONENTS ARE BONDED TO CONTACTING RUBBER SURFACES.

5

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

SL8132 - 1
MOUNTING PLATE CONFIGURATION
(SEE TABLE [])

BASIC PART NUMBER

APPLICATION:

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.

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
INCLUBRICANT. 125 [3.2]
XX XXX ANGLES [X.X.] [X.X.X]
±.03 ±.010 ±2° ±[0.8] ±[0.25]

DIMENSIONS IN [] ARE MILLIMETERS

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A.
PETIT-RECHAIN, BELGUIM
TELEPHONE: (32) 87-32.07.11

ISOLATOR MOUNT, THREADED, SELF - LOCKING

SL8132

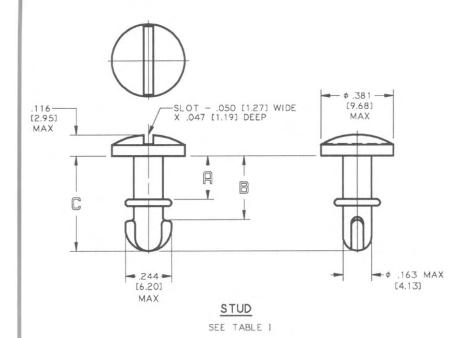
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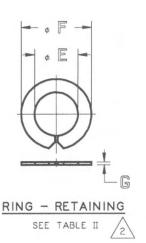
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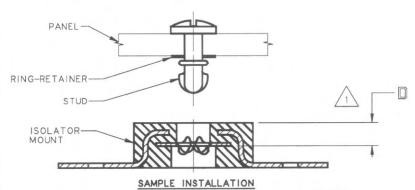
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REVISION









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.

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

APPLICATION:

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

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

SL2286 - 180

EXAMPLE OF PART CODING - STUD

DASH NO.

(SEE TABLE [)

- BASIC PART NUMBER

TOLERANCES ANGLES [X.X.] [X.X.X] .XX .XXX ±.03 ±.010 3 ±.010 ±2° ±[0.8] ± DIMENSIONS IN [] ARE MILLIMETERS ±[0.25]

SHUR-LOK COPORATION IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000

SHUR-LOK

SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

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

SL2286

SHEET 1 OF 2

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TABLE I

DASH NO.	A	B	C	PANEL THICKNESS RANGE	
	MIN	MIN	MAX	D = .281 [7.14]	= .193 [4.90]
-40	.066 [1.68]	.117 [4.50]	.335 [8.51]		.014033 [0.36 - 0.84]
-60	.070 [1.78]	.191 [4.85]	.357 [9.08	-	.034053 [0.86 - 1.35]
-80	.089 [2.25]	.220 [5.58]	.380 [9.65]		.054073 [1.37 - 1.85]
-100	.112 [2.85]	.236 [6.00]	.398 [10.10]		.074093 [1.88 - 2.36]
-120	.130	.254	.415	.000025	.094113
	[3.30]	[6.45]	[10.55]	[0.00 - 0.64]	[2.39 - 2.87]
-140	.150	.276	.437	.026045	.114133
	[3.80]	[7.00]	[11.10]	[0.66 - 1.14]	[2.90 - 3.38]
-160	.169	.297	.459	.046065	.134153
	[4.30]	[7.55]	[11.65]	[1.17 - 1.65]	[3.40 - 3.89]
-180	.191	.313	.475	.066085	.154173
	[4.85]	[7.94]	[12.07]	[1.68 - 2.16]	[3.91 - 4.39]
-200	.224	.339	.495	.086105	.174193
	[5.70]	[8.60]	[12.58]	[2.18 - 2.67]	[4.42 - 4.90]
-220	.247	.364	.515	.106125	.194213
	[6.27]	[9.25]	[13.08]	[2.69 - 3.18]	[4.93 - 5.41]
-240	.267	.385	.535	.126145	.214233
	[6.78]	[9.78]	[13.59]	[3.20 - 3.68]	[5.44 - 5.92]
-260	.287	.404	.555	.146165	.234253
	[7.29]	[10.25]	[14.10]	[3.71 - 4.19]	[5.94 - 6.43]
-280	.297	.420	.580	.166185	.254273
	[7.54]	[10.66]	[14.73]	[4.22 - 4.70]	[6.45 - 6.93]
-300	.321	.439	.595	.186205	.274293
	[8.15]	[11.15]	[15.11]	[4.72 - 5.21]	[6.96 - 7.44]
-320	.343	.463	.615	.206225	.294313
	[8.70]	[11.75]	[15.63]	[5.23 - 5.72]	[7.47 - 7.95]

TABLE II

RING — RETAINING PART NO.	φ [[]	ф Г	G
SLR2286-2	.224	.365	.015
	[5.70]	[9.27]	[0.38]
SLR2286-2-11	.224	.433	.015
	[5.70]	[11.00]	[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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UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS & TOLERANCES PER
ANSI 1/14.5M. ALL DIMENSIONS APPLY AFTER
PLATING AND PRIOR TO THE ADDITION OF SOLID
FILM LUBRICANT. 125 [3.2]
ALL SURFACES
TOLERANCES

SHUR-LOK SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGUIM TELEPHONE: (32) 87-32.07.11

STUD, 1/4 TURN, QUICK RELEASE

SL2286

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