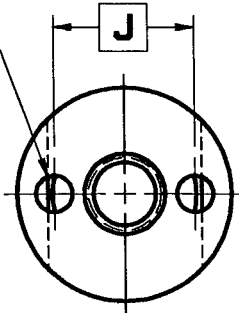


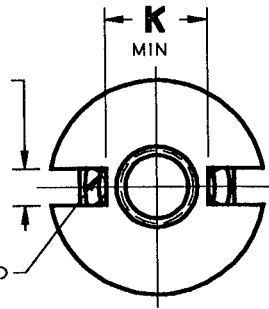


INSERTS FOR ALL TYPE SANDWICH PANELS

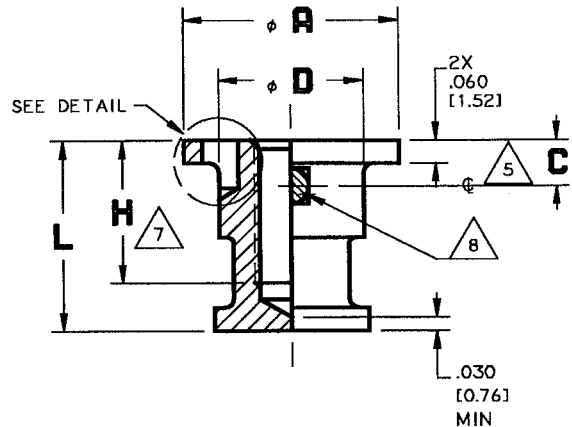
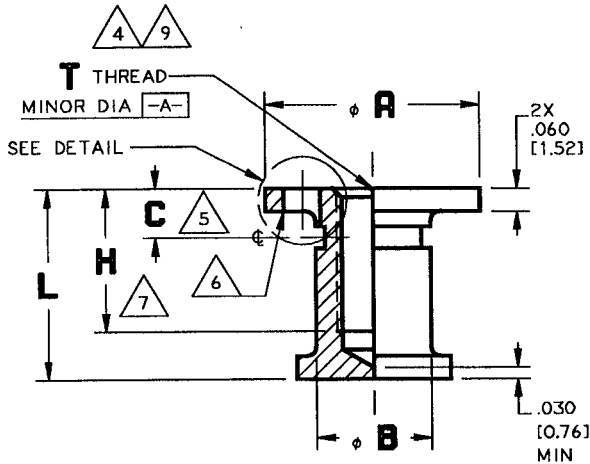
2X ϕ .092-.097 [2.34-2.46]
POTTING AND VENT
HOLES
 ϕ .020 [0.51] (M) (A) (M)
TYPICAL ALL STYLES



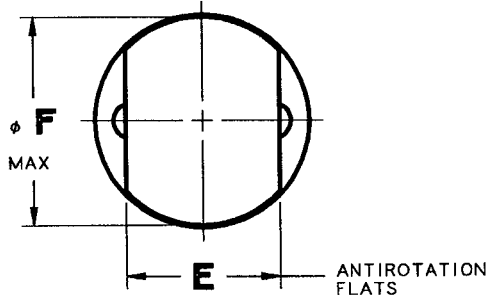
2X ϕ .092-.097 [2.34-2.46]
POTTING AND VENT
SLOTS
 ϕ .020 [0.51] (M) (A) (M)



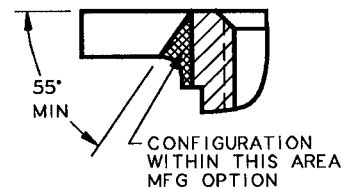
OPTIONAL SLOTS



STANDARD CONFIGURATION FOR ALUMINUM INSERTS,
OPTIONAL FOR STEEL OR CRES INSERTS



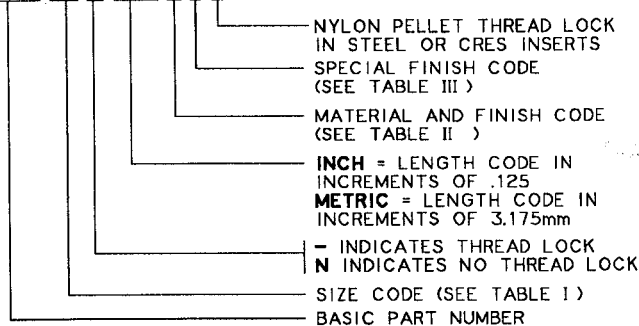
STANDARD CONFIGURATION FOR STEEL, CRES
AND NONSELF-LOCKING ALUMINUM INSERTS



DETAIL - FOR OPTIONAL SLOTS.
TYPICAL ALL STYLES

EXAMPLE OF PART CODING

SL601 -3 - 8 CS N (INCH)
SL601 M5 - 25.4 CS N (METRIC)



NOTES:
SEE SHEET 2.

APPLICATION:
AN EPOXY POTTED-IN INSERT FOR ATTACHMENTS THROUGH ONE FACE OF SANDWICH PANEL. PROVIDES EXCELLENT TENSILE AND SHEAR VALUES FOR STRUCTURAL APPLICATIONS.

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

SHUR-LOK

SHUR-LOK INTERNATIONAL S.A.
PETIT-RECHAIN, BELGIUM
TELEPHONE: (32) 37-32.07.11

**INSERT,
BLIND THREAD**

SL601

SHEET 1 OF 3

REVISION (N) 09 OCTOBER 1999



INSERTS FOR ALL TYPE SANDWICH PANELS

TABLE I

SIZE CODE	T THREAD △ ₄	φ A +.000 -.010 +[0.00] -[0.25]	φ B	C REF	φ D	E	φ F MAX	H △ ₇	J BASIC	K MIN	L MIN △ ₁₀	INSTALLATION HOLE SIZE
06	.1380-32UNJC-3B	.560	.300	.12	.375	.400	.560	.25	.367	.260	.37	.561 - .566
M3	M3X0.5-4H6H	[14.22]	[7.62]	[3.0]	[9.52]	[10.16]	[14.22]	[6.4]	[9.32]	[6.60]	[9.5]	[14.25] - [14.38]
08	.1640-32UNJC-3B	.560	.300	.12	.375	.400	.560	.25	.367	.260	.37	.561 - .566
M4	M4X0.7-4H6H	[14.22]	[7.62]	[3.0]	[9.52]	[10.16]	[14.22]	[6.4]	[9.32]	[6.60]	[9.5]	[14.25] [14.38]
3	.1900-32UNJF-3B	.560	.300	.12	.375	.400	.560	.25	.367	.260	.37	.561 - .566
M5	M5X0.8-4H6H	[14.22]	[7.62]	[3.0]	[9.52]	[10.16]	[14.22]	[6.4]	[9.32]	[6.60]	[9.5]	[14.25] - [14.38]
4	.2500-28UNJF-3B	.685	.375	.14	.440	.520	.685	.31	.467	.360	.50	.686 - .691
M6	M6X1-4H5H	[17.40]	[9.52]	[3.6]	[11.18]	[13.21]	[17.40]	[7.9]	[11.86]	[9.14]	[12.7]	[17.42] - [17.55]
5	.3125-24UNJF-3B	.685	.475	.16	.500	.520	.685	.31	.467	.360	.50	.686 - .691
M8	M8X1.25-4H5H	[17.40]	[12.06]	[4.1]	[12.70]	[13.21]	[17.40]	[7.9]	[11.86]	[9.14]	[12.7]	[17.42] - [17.55]
6	.3750-24UNJF-3B	.841	.500	.22	.550	.560	.841	.37	.591	.484	.62	.842 - .847
M10	M10X1.5-4H5H	[21.36]	[12.70]	[5.6]	[13.97]	[14.22]	[21.36]	[9.4]	[15.01]	[12.29]	[15.9]	[21.39] - [21.51]

NOTES:

1. SHUR-TAB FURNISHED WITH EACH INSERT.
2. REFER TO SLT600 DATA SHEET FOR SHUR-TAB AND GUIDE TOOL.
3. REFER TO SLD600 DATA SHEET FOR INSTALLATION PROCEDURES.
4. INCH THREAD PER MIL-S-8879
METRIC THREAD PER LN9163 OR FED-STD-H28
5. LOCKING TORQUE.
INCH THREAD PER MIL-DTL-25027
METRIC THREAD PER NA0009
SELF-LOCKING CORROSION RESISTANT STEEL INSERT WITHOUT PLATING
OR LUBRICANT SHALL BE TESTED WITH SILVER PLATED BOLT OR SCREW.
6. BURRS PERMISSIBLE UNDER POTTING HOLES OR SLOTS AS LONG
AS HOLES OR SLOTS ARE NOT RESTRICTED.
7. MINIMUM THREAD "H" IN SHORT LENGTHS.
MINIMUM THREAD "H" WHERE LENGTH PERMITS SHALL BE 2 DIAMETERS
(SEE TABLE IV).
8. NONMETALLIC THREAD LOCK L-P-410 LOCATED NO CLOSER THAN
10 DEGREES FROM EDGE OF EITHER POTTING HOLE OR SLOT.
9. MINIMUM "GO" THREAD GAGE PENETRATION SHALL BE ONE HALF
REVOLUTION BEFORE LUBRICATION. MINIMUM BOLT THREAD
PENETRATION SHALL BE THREE QUARTER REVOLUTION AFTER
LUBRICATION.
10. MINIMUM LENGTH WHICH MAY BE SPECIFIED.
11. THIS PART MEETS THE REQUIREMENTS OF NAS1832 (INCH ONLY).
12. POTTING AND VENT HOLES OR SLOTS MANUFACTURER'S OPTION.

UNLESS OTHERWISE SPECIFIED
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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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SL601

**INSERT,
THROUGH THREADED**

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

REVISION (M) 09 OCTOBER 1999



INSERTS FOR ALL TYPE SANDWICH PANELS

TABLE II

MATL CODE	MATERIAL	STANDARD FINISH
A	AL ALLOY 2024-T4 OR T351 PER AMS-QQ-A-225/6	ANODIZE PER MIL-A-8625 TYPE I. CLASS OPTIONAL
C	CRES 303 PER ASTM A582	PASSIVATE PER AMS-QQ-P-35
S	CARBON STEEL PER ASTM A108 ULTIMATE TENSILE STRENGTH 85 KSI MIN.	CADMIUM PLATE PER QQ-P-416, TYPE II. CLASS 2

TABLE III

FINISH CODE	SPECIAL FINISH
M	SOLID FILM LUBRICANT PER AS5272, TYPE I. INTERNAL THREADS ONLY
C	CADMIUM PLATE PER QQ-P-416 TYPE II. CLASS 2 ON CRES INSERTS
S	SILVER PLATE PER AMS2410 OR AMS2411

TABLE IV

LENGTH CODE	L	H MINIMUM THREAD DEPTH											
		06	M3	08	M4	3	M5	4	M6	5	M8	6	M10
3	.375 [9.52]	.250 [6.35]	.250 [6.35]	.250 [6.35]	—			—			—		
4	.500 [12.70]	.276 [7.01]	.312 [7.92]	.312 [7.92]	.312 [7.92]	.312 [7.92]	.375 [9.52]	—			—		
5	.625 [15.88]	.276 [7.01]	.328 [8.33]	.375 [9.52]	.437 [11.10]	.437 [11.10]	.437 [11.10]	—			—		
6	.750 [19.05]	.276 [7.01]	.328 [8.33]	.375 [9.52]	.500 [12.70]	.562 [14.27]	.562 [14.27]	—			—		
7	.875 [22.22]	.276 [7.01]	.328 [8.33]	.375 [9.52]	.500 [12.70]	.625 [15.88]	.625 [15.88]	—			—		
8	1.000 [25.40]	.276 [7.01]	.328 [8.33]	.375 [9.52]	.500 [12.70]	.625 [15.88]	.750 [19.05]	—			—		

REVISION M 09 OCTOBER 1999

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 IRVINE, CALIFORNIA 92614 TELEPHONE: (949) 474-6000	<h2 style="margin: 0;">SHUR-LOK</h2> <p style="margin: 0;">INSERT, BLIND THREADED</p>	SHUR-LOK INTERNATIONAL, S.A. PETIT-RECHAIN, BELGIUM TELEPHONE: (32) 87-32.07.11
<h1 style="margin: 0;">SL601</h1>			SHEET 3 OF 3