



SOUTHCO PERFORMANCE GUIDELINES

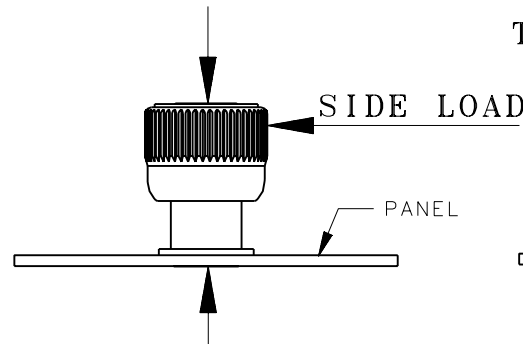
THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURPOSE INTENDED AND USER'S PARTICULAR APPLICATION.

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	10MAY2013	TVA/MJS	PRN: P2013-0997

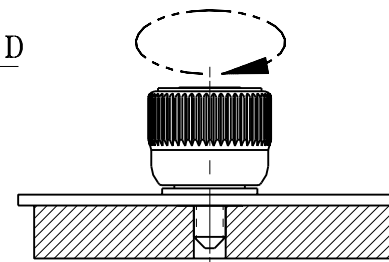
PART NUMBER: 47-99-944-XF1

TEST PANELS	PANEL THICKNESS (mm)	AVERAGE RECOMMENDED INSTALLATION FORCE N(lbf)	AVERAGE PUSHOUT FORCE N(lbf) ①	AVERAGE SIDE LOAD FORCE N(lbf) ①	AVERAGE RECOMMENDED TIGHTENING TORQUE N*cm (lbf*in)	AVERAGE TIGHTENING TORQUE TO FAILURE N*cm (lbf*in) ②
ALUMINUM 5052-H32	0.97	8000(1800)	471(106)	248(56)	60(5.2)	400(35)
CRS ASTM A 109 #5 TEMPER	0.86		454(102)	243(55)		
304 STAINLESS STEEL	0.87		651(146)	328(74)		

INSTALLATION



TIGHTENING TORQUE



NOTES:

1. FAILURE OCCURRED WHEN SAMPLE RELEASED FROM PANEL.
2. FAILURE OCCURRED WHEN #2 PHILLIPS RECESS ROUNDED OUT OR SCREW SHAFT BROKE ALONG THREADS.
3. PASSED TELCORDIA GR-63-CORE NEBS REQUIREMENTS; SECTION 4.3.2 UNPACKAGED EQUIPMENT SHOCK CRITERIA PARAGRAPH R4-43 WITH AN ATCA FRONT BOARD SIMULATED WEIGHT OF 4kg(8.81lbs) USING 1mm THICK STAINLESS STEEL FACE PLATE.

RETENTION/PUSHOUT

	THIRD ANGLE PROJECTION	 CONNECT · CREATE · INNOVATE			
	MILLIMETERS [IN]				
	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION			
		47 Captive Fastener			
		ATCA - M3 THREAD, FLARE-IN, No. 2 PHILLIPS			
	PROPRIETARY ITEM	SIZE	SYSTEM	DWG NO.	
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REF: TR47-546, TR47-12191	PER ASME Y14.5M-1994	DRAWN BY	DATE	SCALE	SHEET
		DLH	11MAY2009	1.5:1	1 OF 1

