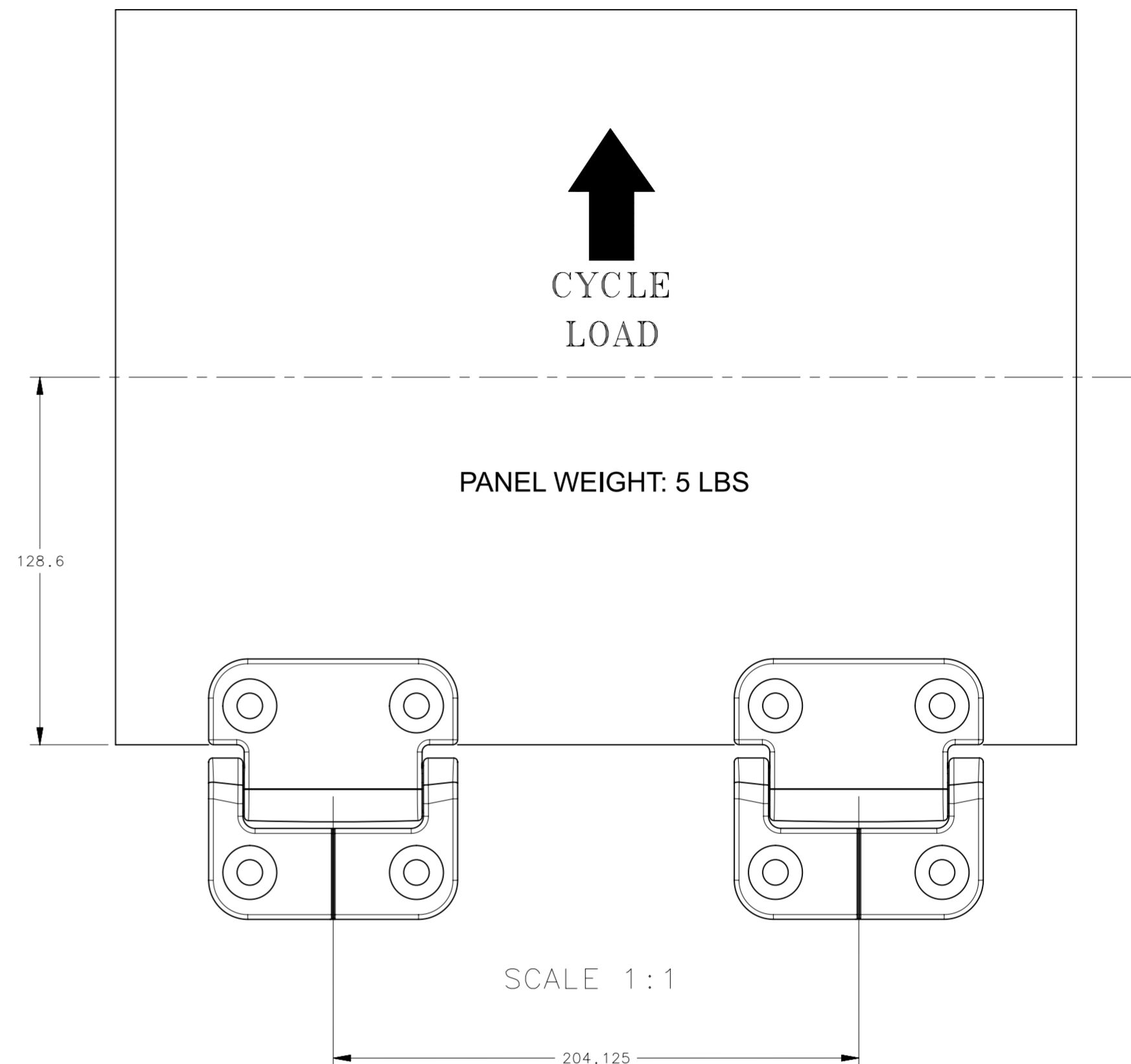
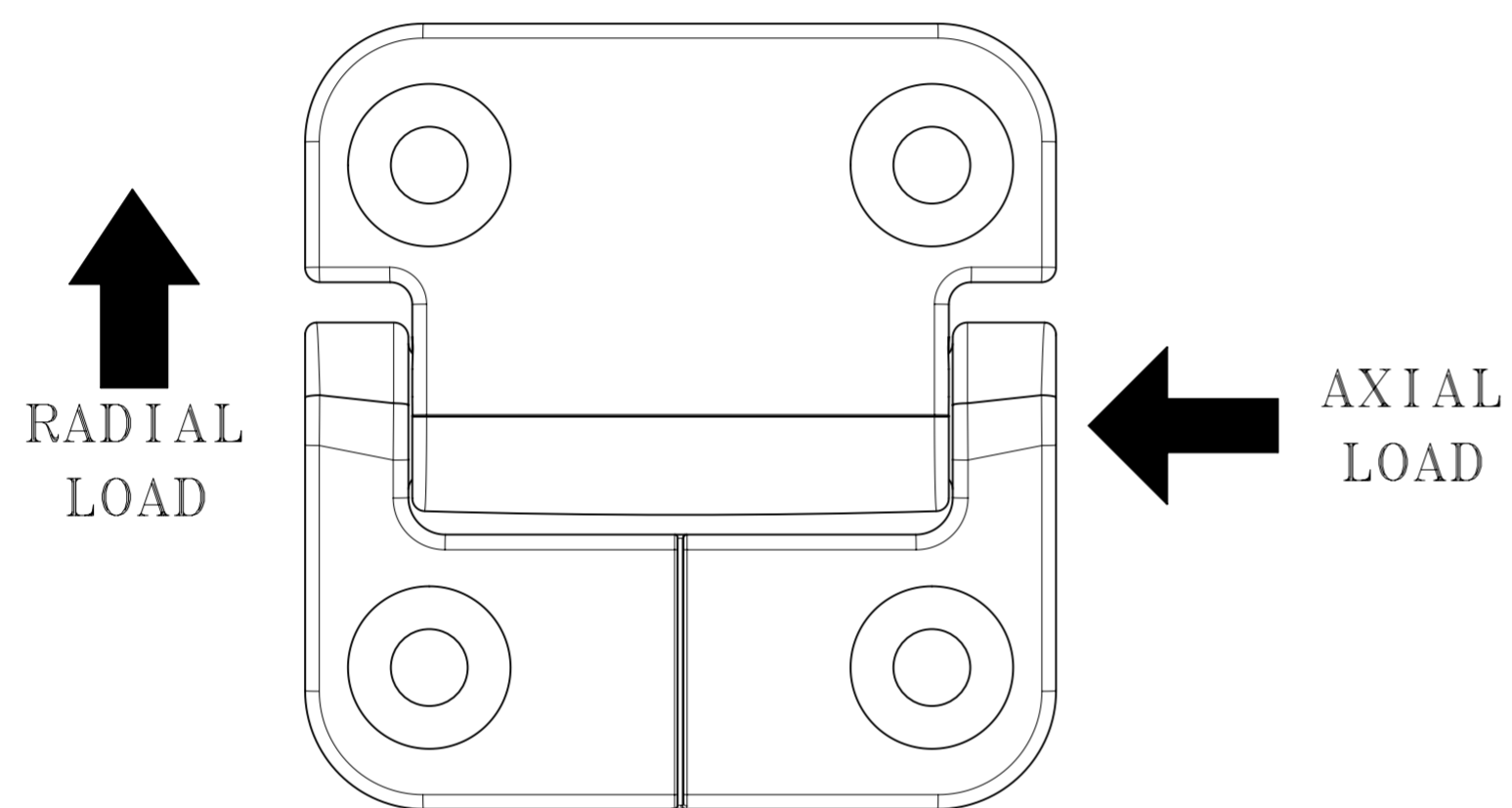


PART NUMBER	FORWARD TORQUE, Nm (in-lbf)	REVERSE TORQUE, Nm (in-lbf)	AVERAGE ULTIMATE RADIAL LOAD, N/lbf		AVERAGE ULTIMATE AXIAL LOAD, N/lbf	CYCLE LIFE	MAXIMUM WORKING LOAD, N/lbf ***	
			INLINE	PERPENDICULAR			AXIAL	RADIAL, INLINE
E6-73-400-XX	-	-						
E6-73-408S-XX	0.90 (8.0)	0.90 (8.0)						
E6-73-416S-XX	1.81 (16.0)	1.81 (16.0)						
E6-73-420S-XX	2.26 (20.0)	2.26 (20.0)						
E6-73-430S-XX	3.39 (30.0)	3.39 (30.0)						
E6-73-420F-XX	2.26 (20.0)	1.54 (13.6) REF	10,000/2250	12,000/2700	5,000/1125	20,000	200/45	200/45
E6-73-430F-XX	3.39 (30.0)	2.30 (20.4) REF						
E6-73-440F-XX	4.52 (40.0)	3.04 (27.3) REF						
E6-73-420R-XX	1.54 (13.6) REF	2.26 (20.0)						
E6-73-430F-XX	2.30 (20.4) REF	3.39 (30.0)						
E6-73-440F-XX	3.08 (27.3) REF	4.52 (40.0)						

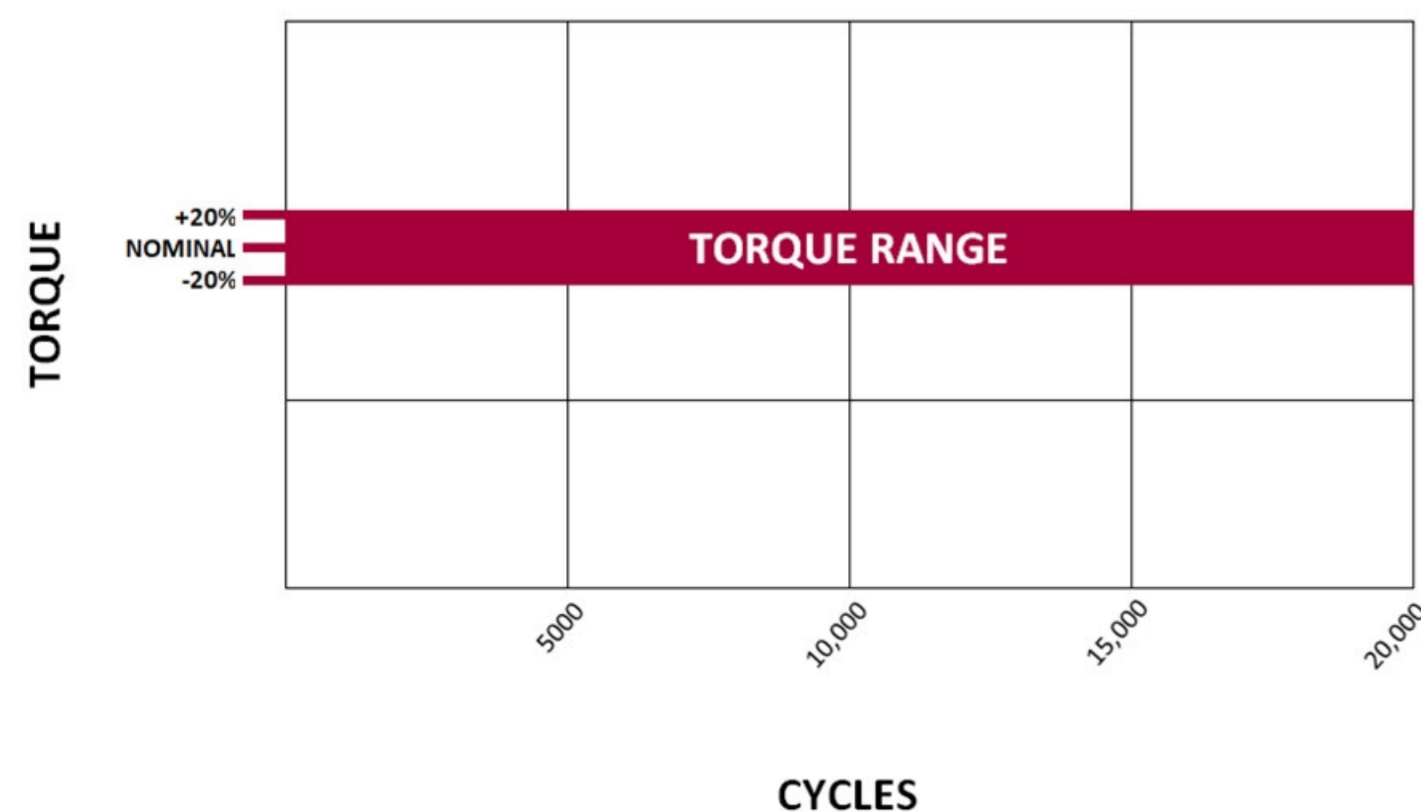
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
A	15AUG2024	AJH/NJF	PRN: P2024-1369

*** AXIAL AND RADIAL LOADS APPLIED ONE TIME TO A SINGLE HINGE WITHOUT DEGRADATION OF PERFORMANCE.

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 THE 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 THE USER'S PARTICULAR APPLICATION.



TYPICAL TORQUE TREND FOR E6-7X-4XXX-XX (REFERENCE ONLY)



NOTES:

- ONE CYCLE = CLOSED POSITION TO OPEN POSITION AT 180° PLUS RETURN TO INITIAL CLOSED POSITION.
- TORQUE SPECIFICATIONS AT A CYCLE LIFE OF 20,000
- PERFORMANCE TORQUE TOLERANCE $\pm 20\%$ OVER 20,000 CYCLES
- CYCLE TESTING WAS CONDUCTED USING THE FOLLOWING PROFILE:
 - 5,000 CYCLES AT -20°C
 - 10,000 CYCLES AT AMBIENT
 - 5,000 CYCLES AT 65°C

CYCLE TEST CONDUCTED USING A 2.27 kg (5.0 lbf) TEST PANEL.

5. FOR TEST REPORTS SEE trE6-1110755

THIRD ANGLE PROJECTION		southco CONNECT · CREATE · INNOVATE
MILLIMETERS [IN]		
TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION	HINGE & CONTROLLED MOTION DEVICE
UP TO 0.5	± 0.05	
OVER 0.5 UP TO 6	± 0.1	
OVER 6 UP TO 30	± 0.2	
OVER 30	± 0.3	
ANGLES	$\pm 1^{\circ}$	
PROPRIETARY ITEM	SIZE SYSTEM	DWG NO.
EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	A2 NX	TD-E6-73-400
PER ASME Y14.5M-2009	DRAWN BY	DATE
	AJH	03FEB2023
	SCALE	SHEET
	1:1	1 OF 1