

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.



ASSEMBLY PART NUMBER	SCREW SIZE	INSTALLATION LOAD N (LBS) ①	PUSH-OUT LOAD N (LBS)	ULTIMATE TIGHTENING TORQUE N-cm (in-lbs) ②	ULTIMATE TENSILE LOAD N (LBS) ②
N7- $\frac{1}{5}$ 2-XY	M3 4-40	8900 (2000)	400 (90) ⑤	73.4 (6.5)	1543 (347)
N7-62-XY	6-32	8200 (1850)	440 (100)	107.1 (9.5)	3013 (677)
N7- $\frac{2}{7}$ 2-XY	M4 8-32	12400 (2800)	600 (135)	206.9 (18.3)	3501 (787)
N7- $\frac{3}{8}$ 2-XY	M5 10-32	12400 (2800)	490 (110) ④	368.7 (32.6)	4244 (954)
N7- $\frac{4}{9}$ 2-XY	M6 1/4 -20	14000 (3150)	820 (185)	500.7 (44.3)	6905 (1552)

- 1 ASSEMBLIES WERE INSTALLED AND TESTED IN .048" THICK STEEL PANELS, RB-47.  
2 FAILURE OCCURRED IN THE STRIPPING OF THE KNOB THREADS. ASSEMBLIES WERE  
TESTED AT MINIMUM THREAD ENGAGEMENT.  
4 FAILURE OCCURRED IN THE ASSEMBLY PUSHING OUT OF THE PANEL. ASSEMBLIES  
WERE TESTED AT MINIMUM THREAD ENGAGEMENT.  
5 FAILURE OCCURRED IN THE KNOB UNCRIMPING FROM THE FERRULE.