

No. 47 SENTINEL™ SCREW ASSEMBLY  
PRESS IN STYLE

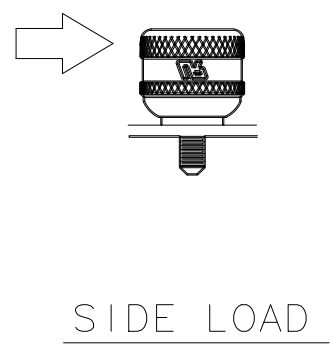
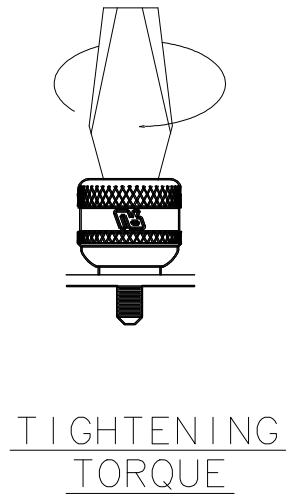
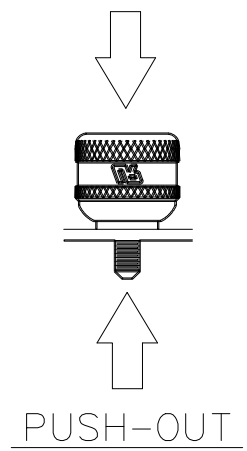
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**southco**  
 REV: A  
 DATE: 09APR2002  
 DRAWN/CHKD: GDM  
 DESCRIPTION: UPDATE FORMAT

DRAWING NUMBER	TD-47-6-J
SCALE	NTS
CHKD	
DRAWN	MAC
DATE	15OCT96
PAPER SIZE	A
THIRD ANGLE PROJECTION	

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.

INSTALLATION



ASSEMBLY PART NUMBER	SCREW SIZE	MAXIMUM TIGHTENING TORQUE ON SCREW <sup>①</sup>	AVERAGE INSTALLATION LOAD <sup>②</sup>	AVERAGE SIDE LOAD <sup>③</sup>	AVERAGE PUSH-OUT LOAD <sup>④</sup>
47-6X-201-X2	No. 6-32	200 Ncm (18 IN-LBS)	12500 N (2800 LBS)	450 N (100 LBS)	1160 N (260 LBS)
47-6X-301-X2	No. 8-32	459 Ncm (41 IN-LBS)			
47-6X-501-X2	No. 10-32	637 Ncm (56 IN-LBS)			
47-9X-301-X2	M4	363 Ncm (32 IN-LBS)			
47-9X-501-X2	M5	606 Ncm (54 IN-LBS)			

- ① FAILURE OCCURRED AT THE MINOR DIAMETER OF THE THREAD.
  - ② ASSEMBLIES WERE INSTALLED AND TESTED IN 1.5mm (.060") THICK STEEL PLATES, RB-54.
  - ③ FERRULE WAS PUSHED OUT OF THE PANEL.
  - ④ FAILURE OCCURRED WHEN EITHER THE ASSEMBLY WAS PUSHED FROM THE PANEL OR THE KNOB UNCRIMPED FROM THE FERRULE.
- CYCLE LIFE IS 5,000 CYCLES.  
 MINIMUM TORQUE TO ENGAGE RATCHET MECHANISM IS 25 Ncm (2.2 IN-LBS).
- REF: 47-85