

DRAWING NUMBER  
TD-81-1-J

SCALE  
NTS

DATE  
03JAN94

THIRD ANGLE PROJECTION

PAPER SIZE  
A

DRAWN/CHKD  
ALC/AZ

No. 81 PRESS-IN RECEPTACLE FOR BLIND APPLICATIONS

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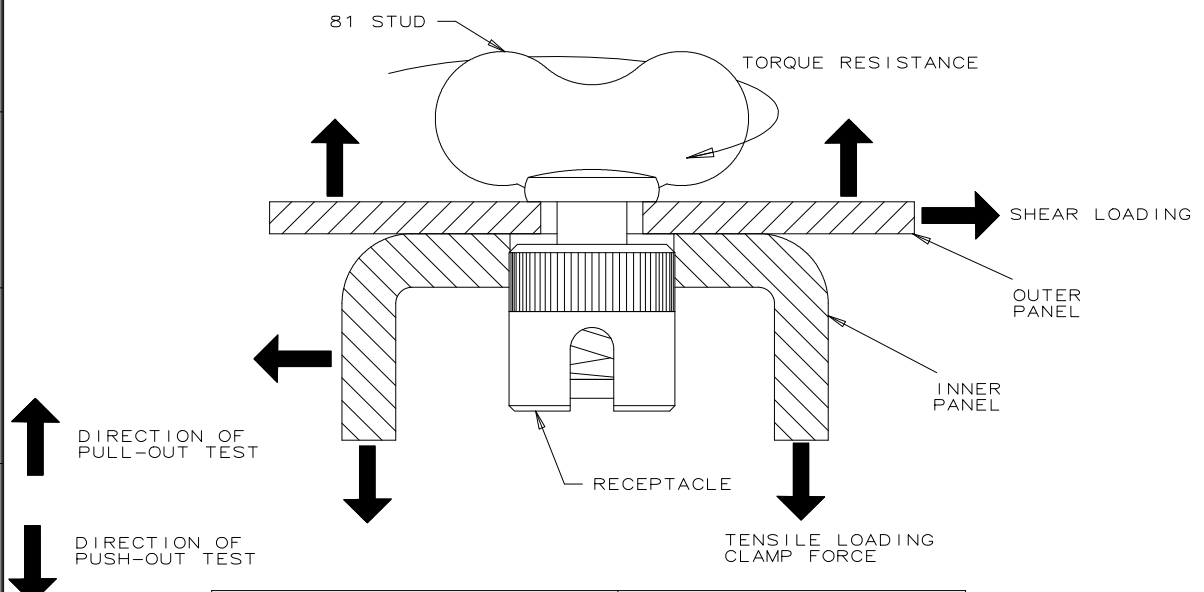
**southco**

REV DATE DRAWN/CHKD GDM UPDATE FORMAT

A 09APR2002

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.

ALL STRENGTH RATINGS ARE INDEPENDENT OF HEAD STYLE.



PART NUMBER	81-35-308-55	
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	450 N (100 LBS)	
AVERAGE ULTIMATE TENSILE STRENGTH ②	980 N (220 LBS)	⑧
CLAMP FORCE ③	45 N (10 LBS)	
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	1780 N (400 LBS)	
AVERAGE ULTIMATE SHEAR STRENGTH ②	3330 N (750 LBS)	
MAXIMUM TORQUE RESISTANCE ④	.60 Nm (6 IN-LBS)	
INSTALLATION FORCE ⑤	1870 N (420 LBS)	
PUSH-OUT FORCE ⑥	1100 N (250 LBS)	
PULL-OUT FORCE ⑦	990 N (220 LBS)	

- ① WORKING LOAD is the maximum force that the product will withstand without affecting the operation or appearance of the product.
- ② Average ULTIMATE LOAD causes failure of the product or sufficient deformation to make the product inoperable.
- ③ CLAMP FORCE is the force applied to the panel when the assembly is latched at the nominal grip.
- ④ MAXIMUM TORQUE RESISTANCE is the torque that causes the stud to override the receptacle stop.
- ⑤ INSTALLATION FORCE is the force required to install the receptacle into the minimum inner panel thickness. (tested in 1008 - 1010 steel, hardness of Rb-66)
- ⑥ PUSH-OUT FORCE is the force required to push the receptacle through the inner panel (tested in 1008 - 1010 steel, hardness of Rb-66).
- ⑦ PULL-OUT FORCE is the force required to pull the receptacle out of the inner panel, in the direction of the tensile load. (Tested in 1008 - 1010 steel, hardness of Rb-66)
- ⑧ Receptacle pulled out of inner panel.