

PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.

No. 82 PRESS-IN RECEPTACLE FOR BLIND APPLICATIONS

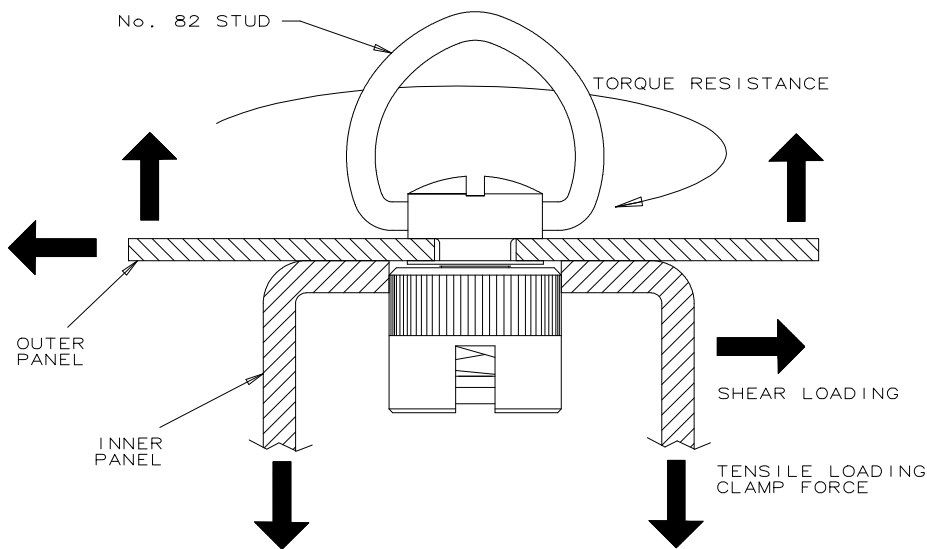
DRAWING NUMBER TD-82-14-J  
 SCALE NTS  
 DRAWN/CHKD ALC/ACZ  
 DATE 20DEC93  
 DRAWN/CHKD  
 DATE  
 REV B  
 DATE 09APR2002  
 GDM  
 DESCRIPTION  
 UPDATE FORMAT

A PAPER SIZE  
 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.

**ALL STRENGTH RATINGS ARE INDEPENDENT OF HEAD STYLE.**



PART NUMBER	82-35-308-55	82-35-313-55
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	530 N (120 LBS)	530 N (120 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	2220 N (500 LBS)	2220 N (500 LBS)
CLAMP FORCE ③	180 N (40 LBS)	180 N (40 LBS)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	3110 N (700 LBS)	3110 N (700 LBS)
AVERAGE ULTIMATE SHEAR STRENGTH ②	6700 N (1500 LBS)	6700 N (1500 LBS)
MAXIMUM TORQUE RESISTANCE ④	2.8 Nm (25 IN-LBS)	NOT APPLICABLE
INSTALLATION FORCE ⑤	4450 N (1000 LBS)	4450 N (1000 LBS)
PUSH-OUT FORCE ⑥	1870 N (420 LBS)	1870 N (420 LBS)
PULL-OUT FORCE ⑦	3550 N (800 LBS)	3550 N (800 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 in to the minimum frame thickness. (tested in 1008 - 1010 steel hardness of RB-66)
- ⑥ PUSH-OUT FORCE is the force required to push the receptacle through the frame (tested in 1008 - 1010 steel, hardness of RB-66).
- ⑦ PULL-OUT FORCE is the force required to pull the receptacle out of the frame, in the direction of the tensile load.