

DRAWING NUMBER
TD-82-13-J

A
PAPER
SIZE

THIRD ANGLE PROJECTION

SCALE
NTS

CHKD
ALC/AZ

DATE
14DEC93

No. 82 SHIELDED PRESS-IN RECEPTACLE

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DESCRIPTION
UPDATE FORMAT

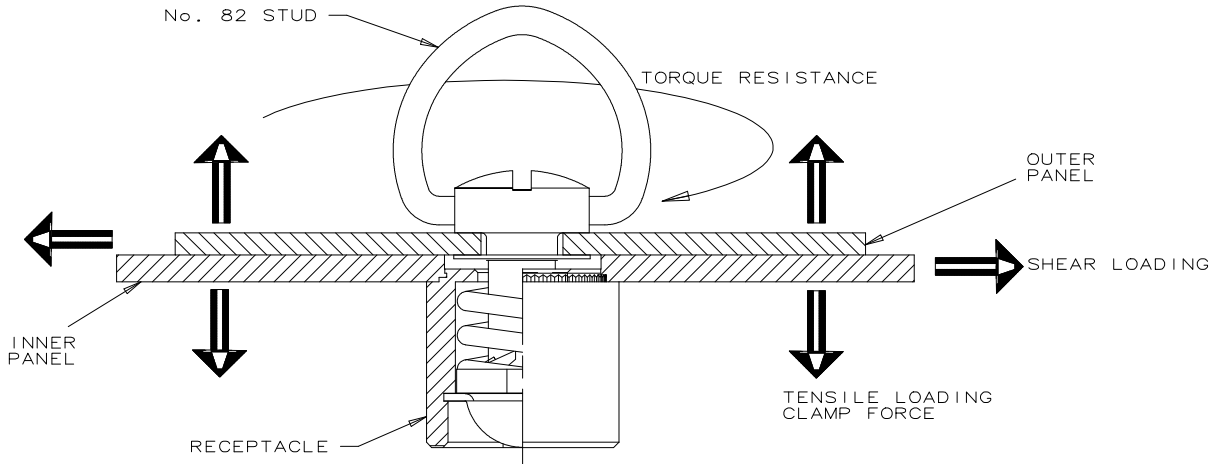
DRAWN/CHKD
GDM

DATE
09APR2002

REV
A

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	82-35-315-55
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	530 N (120 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	1560 N (350 LBS)
CLAMP FORCE ③	180 N (40 LBS)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	2670 N (600 LBS)
AVERAGE ULTIMATE SHEAR STRENGTH ②	4360 N (980 LBS)
MAXIMUM TORQUE RESISTANCE ④	2.8 Nm (25 IN-LBS)
INSTALLATION FORCE ⑤	7300 N (1650 LBS)
PUSH-OUT FORCE ⑥	1470 N (330 LBS)
PULL-OUT FORCE ⑦	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-46)
- ⑥ PUSH-OUT FORCE is the force required to push the receptacle through the frame (tested in 1008 - 1010 steel, hardness of RB-46).
- ⑦ PULL-OUT FORCE is the force required to pull the receptacle out of the frame, in the direction of the tensile load.

REF: 82-44, 82-45