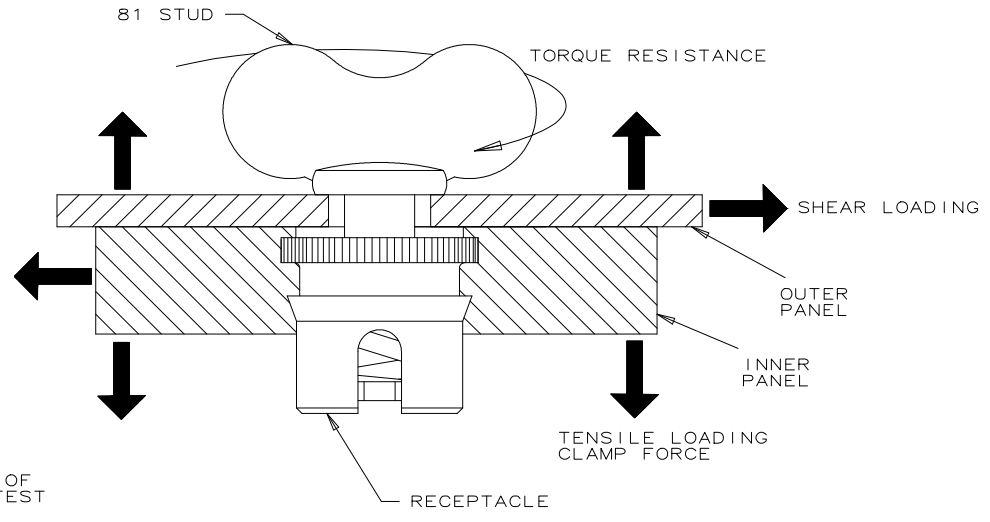


REV A	DATE	09APR2002	DESCRIPTION	UPDATE FORMAT	No. 81 PRESS-IN RECEPTACLE FOR BLIND APPLICATIONS	DATE	03JAN94	DRAWN	ALC	CHKD	NTS	SCALE	DRAWING NUMBER	TD-81-3-J	THIRD ANGLE PROJECTION	A PAPER SIZE

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.



↑ DIRECTION OF PULL-OUT TEST
 ↓ DIRECTION OF PUSH-OUT TEST

PART NUMBER	81-35-310-55
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	450 N (100 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	1250 N (280 LBS)
CLAMP FORCE ③	45 N (10 LBS)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	MATERIAL AND THICKNESS DEPENDENT
AVERAGE ULTIMATE SHEAR STRENGTH ②	
MAXIMUM TORQUE RESISTANCE ④	.60 Nm (6 IN-LBS)
PUSH-OUT FORCE ⑤	2220 N (500 LBS)
PULL-OUT FORCE ⑥	1100 N (250 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 PUSH-OUT FORCE is the force required to push the receptacle through the inner panel. (Tested in Polycarbonate)
- ⑥ 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 Polycarbonate.)



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