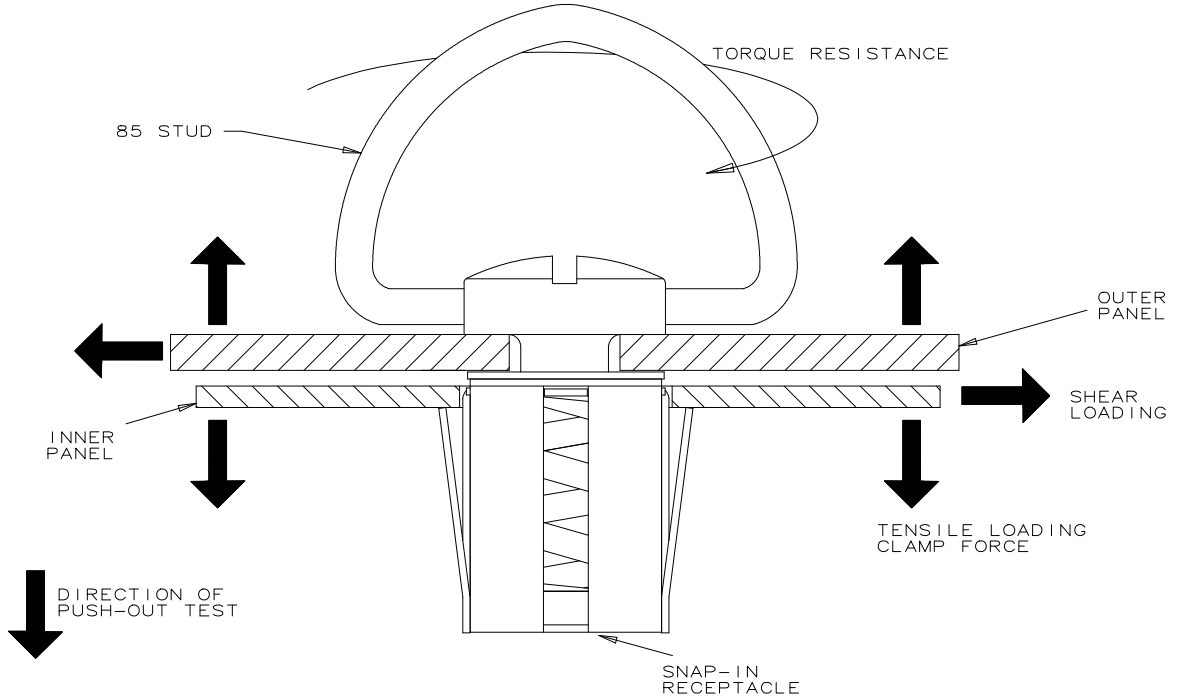


REV	A	DATE	09APR2002	DRAWN/CHKD	GDM	DESCRIPTION	UPDATE FORMAT	No. 85 SNAP-IN RECEPTACLE	DATE	03JAN94	DRAWN	ALCACZ	SCALE	NTS	DRAWING NUMBER	TD-85-6-J	THIRD ANGLE PROJECTION	A PAPER SIZE

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.



PART NUMBER	85-35-309-56
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	1000 N (225 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	1310 N (295 LBS)
CLAMP FORCE ③	200 N (45 LBS)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	1330 N (300 LBS)
AVERAGE ULTIMATE SHEAR STRENGTH ②	2090 N (470 LBS)
MAXIMUM TORQUE RESISTANCE ④	5.2 Nm (48 IN-LBS)
INSTALLATION FORCE ⑤	220 N (50 LBS)
PUSH-OUT FORCE ⑥	1110 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 INSTALLATION FORCE is the force required to install the receptacle into the minimum inner panel thickness. (tested in 1008-1010 steel)
- ⑥ PUSH-OUT FORCE is the force required to push the receptacle through the inner panel (tested in 1008 - 1010 steel)

REF: 85-19



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