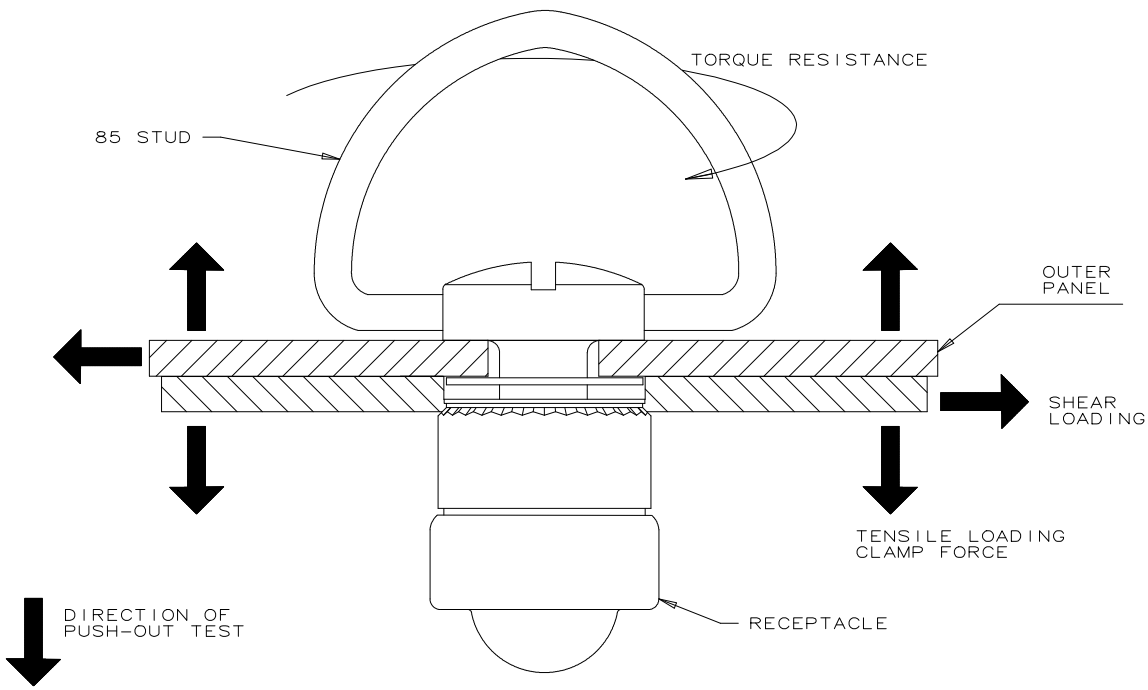
SOUTHCO PERFORMANCE GUIDELINES

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		85-35-311-55
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH	①	2220 N (500 LBF)
AVERAGE ULTIMATE TENSILE STRENGTH	②	4000 N (900 LBF)
CLAMP FORCE	③	200 N (45 LBF)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH	①	5560 N (1250 LBF)
AVERAGE ULTIMATE SHEAR STRENGTH	②	10230 N (2300 LBF)
MAXIMUM TORQUE RESISTANCE	④	110 N (25 LBF)
INSTALLATION FORCE	⑤	13300 N (3000 LBF)
PUSH-OUT FORCE	⑥	4890 N (1100 LBF)

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: Rb 66)

⑥ PUSH-OUT FORCE is the force required to push the receptacle through the inner panel (tested in 1008 - 1010 steel, hardness: Rb 66)

REF: 85-19

DRAWING NUMBER: TD-85-7-J
A PAPER SIZE
THIRD ANGLE PROJECTION
SCALE: NTS
CHKD: ACZ
DRAWN: ALC
DATE: 03JAN94

No. 85 SHIELDED PRESS-IN RECEPTACLE

REV	DATE	DRAWN/CHKD	DESCRIPTION
A	09APR2002	GDM	UPDATE FORMAT
B	29JAN2018	RKS/VK	PRN: P2018-0260

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