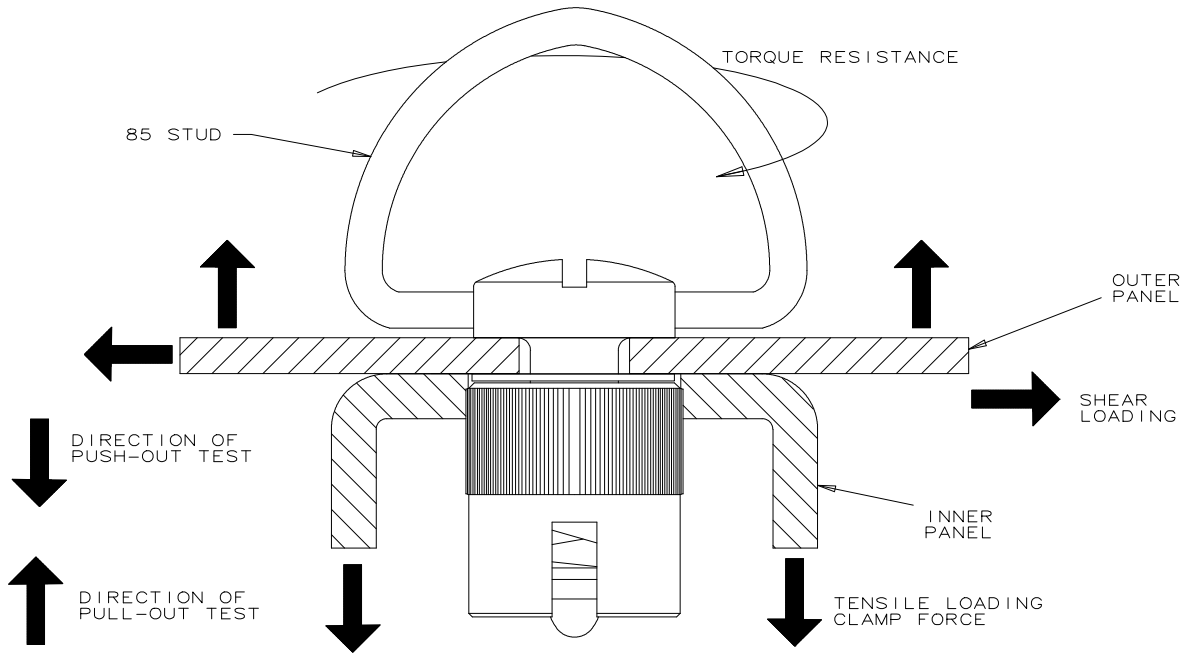


DRAWING NUMBER: TD-85-5-J
 SCALE: NTS
 DRAWN/CHKD: ALCACZ
 DATE: 03JAN94
 No. 85 PRESS-IN RECEPTACLE FOR BLIND APPLICATIONS
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 REV: B
 DATE: 09APR2002
 DRAWN/CHKD: GDM
 DESCRIPTION: UPDATE FORMAT
 THIRD ANGLE PROJECTION
 A PAPER SIZE

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	85-35-308-55	85-35-313-55
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	2490 N (560 LBS)	2490 N (560 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	4450 N (1000 LBS)	4450 N (1000 LBS) (A)
CLAMP FORCE ③	200 N (45 LBS)	200 N (45 LBS)
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	5560 N (1250 LBS)	5560 N (1250 LBS)
AVERAGE ULTIMATE SHEAR STRENGTH ②	10230 N (2300 LBS)	10230 N (2300 LBS)
MAXIMUM TORQUE RESISTANCE ④	2.8 Nm (25 IN-LBS)	NOT APPLICABLE
INSTALLATION FORCE ⑤	7340 N (1650 LBS)	7340 N (1650 LBS)
PUSH-OUT FORCE ⑥	2000 N (450 LBS)	2000 N (450 LBS)
PULL-OUT FORCE ⑦	2490 N (560 LBS)	2490 N (560 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 1010 steel, Rb 68)
- ⑥ PUSH-OUT FORCE is the force required to push the receptacle through the inner panel (tested in 1008 - 1010 steel, hardness: Rb 68)
- ⑦ 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 1008 - 1010 steel, hardness of Rb-68)

(A) RECEPTACLE PULLED OUT OF PANNEL.

REF: 85-19