
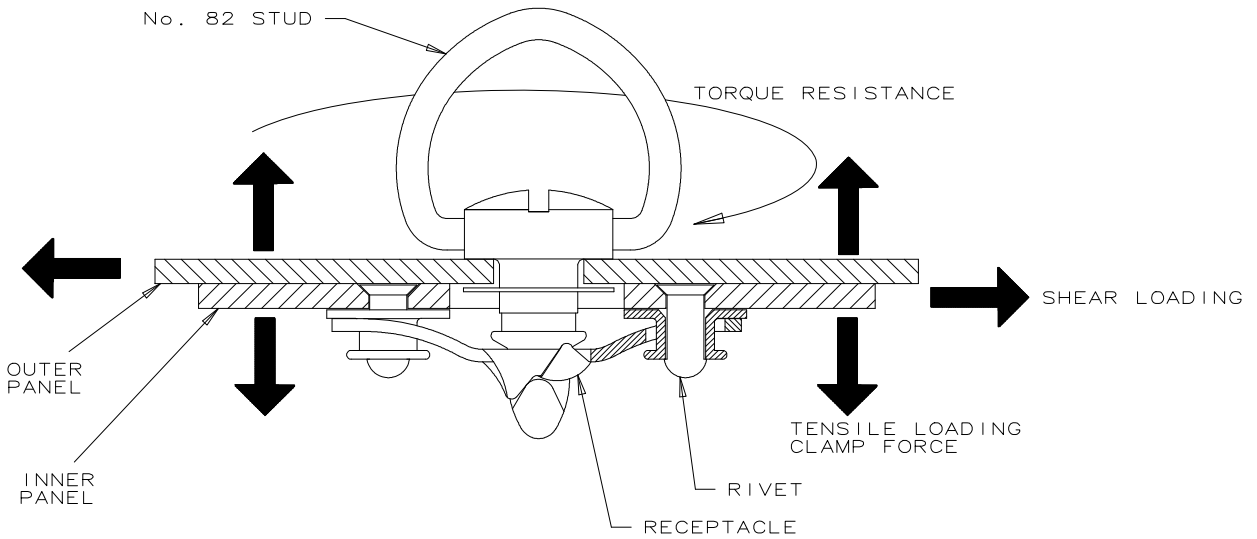


REV A	DATE	09APR2002	DESCRIPTION	UPDATE FORMAT	DRAWN/CHKD GDM	DATE	03DEC093	DRAWN ALC	CHKD ACZ	SCALE NTS	DRAWING NUMBER TD-82-7-J
PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.											
No. 82 LEAF SPRING RECEPTACLE FOR RIVETING - WITHOUT BASE											
THIRD ANGLE PROJECTION 											
PAPER SIZE 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	82-35-295-15	82-35-295-20
RECEPTACLE MATERIAL	STEEL	STAINLESS STEEL
MAXIMUM RECOMENDED WORKING TENSILE STRENGTH ①	900 N (200 LBS)	900 N (200 LBS)
AVERAGE ULTIMATE TENSILE STRENGTH ②	2220 N (500 LBS)	1780 N (400 LBS)
CLAMP FORCE ③	156 N (35 LBS)	156 N (35 LBS)
MAXIMUM RECOMENDED WORKING SHEAR STRENGTH ①	900 N (200 LBS)	900 N (200 LBS)
AVERAGE ULTIMATE SHEAR STRENGTH ②	2670 N (600 LBS)	2670 N (600 LBS)
MAXIMUM TORQUE RESISTANCE ④	3.4 Nm (30 IN-LBS)	2.1 Nm (18 IN-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.

REF : 82-45