

DRAWING NUMBER
TD-82-11-J

THIRD ANGLE PROJECTION

A PAPER SIZE

SCALE
NTS

CHKD
ALC

ACZ

DATE
14DEC93

No. 82 RECEPTACLE FOR ULTRA-SONIC INSTALLATION IN PLASTIC

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.

DESCRIPTION
UPDATE FORMAT
PRN: P2016-0656

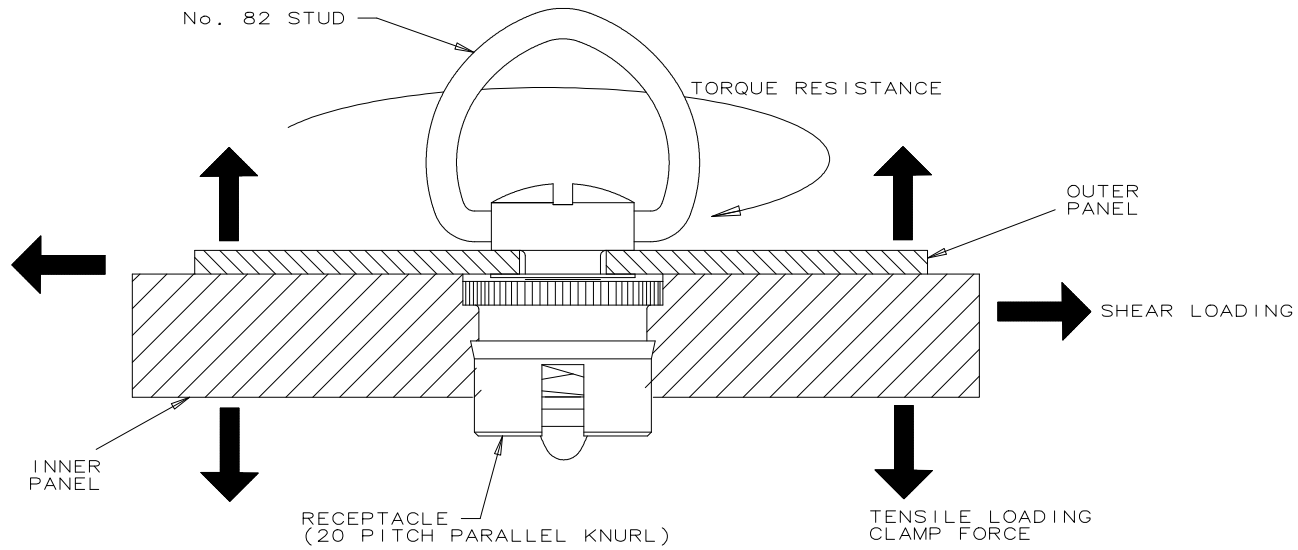
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09APR2002
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SOUTHCO PERFORMANCE GUIDELINES
THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH 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	82-35-310-55	
MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ①	530 N (120 LBS)	
AVERAGE ULTIMATE TENSILE STRENGTH ②	2200 N (490 LBS)	
CLAMP FORCE ③	180 N (40 LBS)	
MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ①	MATERIAL AND THICKNESS DEPENDENT	
AVERAGE ULTIMATE SHEAR STRENGTH ②		
MAXIMUM TORQUE RESISTANCE ④	2.8 Nm (25 IN-LBS)	
PUSH-OUT FORCE ⑤	3120 N (700 LBS)	
PULL-OUT FORCE ⑥	1900 N (430 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 frame (tested in Polycarbonate).
- ⑥ PULL-OUT FORCE is the force required to pull the receptacle out of the frame, in the direction of the tensile load. (Tested in Polycarbonate.)

REF: 82-45