

DRAWING NUMBER
TD-81-5-J

A
PAPER
SIZE

THIRD ANGLE PROJECTION

SCALE
NTS

CHKD
ALC ACZ

DATE
03JAN94

No. 81 CLIP-ON RECEPTACLE

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

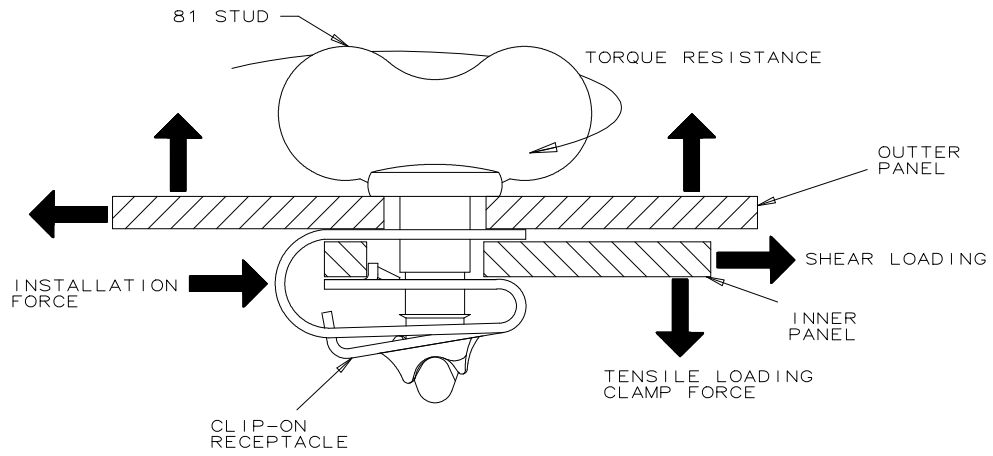
DRAWN/CHKD
GDM

DATE
09APR2002

REV
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 | 81-47-101-15 | 81-47-101-20 |
|--|--------------------|--------------------|
| MAXIMUM RECOMMENDED WORKING TENSILE STRENGTH ① | 330 N (75 LBS) | 330 N (75 LBS) |
| AVERAGE ULTIMATE TENSILE STRENGTH ② | 850 N (190 LBS) | 850 N (190 LBS) |
| CLAMP FORCE ③ | 50 N (12 LBS) | 50 N (12 LBS) |
| MAXIMUM RECOMMENDED WORKING SHEAR STRENGTH ① | 1110 N (250 LBS) | 1110 N (250 LBS) |
| AVERAGE ULTIMATE SHEAR STRENGTH ② | 3330 N (750 LBS) | 3330 N (750 LBS) |
| MAXIMUM TORQUE RESISTANCE ④ | .4 Nm (3.5 IN-LBS) | .4 Nm (3.5 IN-LBS) |
| INSTALLATION FORCE ⑤ | 110 N (25 LBS) | 110 N (25 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 onto the minimum inner panel thickness.(tested in 1008 - 1010 steel)

REF: 81-14