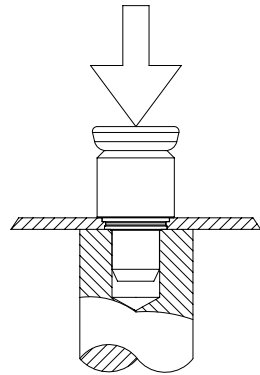


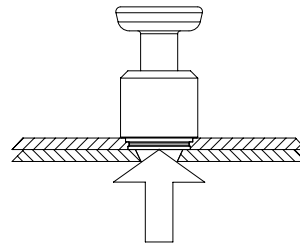
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
B	28JUN2019	DKM/DMS	PRN: P2019-1642

SOUTHCO PERFORMANCE GUIDELINES

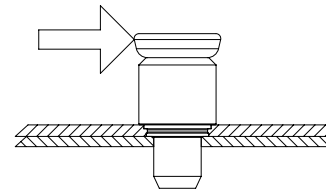
THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE THE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED. IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY OF THE PRODUCT INTENDED AND USER'S PARTICULAR APPLICATION.



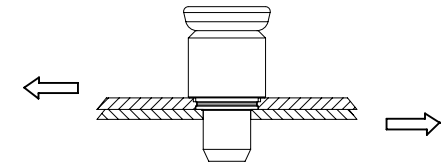
INSTALLATION



PUSH-OUT



SIDE-LOAD



SHEAR

ASSEMBLY PART NUMBERS	PANEL MATERIAL	INSTALLATION FORCE N (lbf)	MINIMUM PUSH OUT FORCE N (lbf) ^(A)	MINIMUM SIDE-LOAD FORCE N (lbf) ^(A)	MINIMUM ULTIMATE SHEAR LOAD N (lbf) ^(B)
56-1X-XX	(1)	5000 (1124)	547 (122)	135 (30)	N/A
	(2)	8000 (1798)	571 (128)	164 (37)	N/A
	(3)	N/A	N/A	N/A	1042 (234)

1. ASSEMBLIES WERE INSTALLED AND TESTED IN 0.8 mm (.031 in) NOMINAL THICK ALUMINUM 5052-H32 PANELS
2. ASSEMBLIES WERE INSTALLED AND TESTED IN 0.8 mm (.031 in) NOMINAL THICK COLD ROLLED STEEL PANELS (MAXIMUM Rb55)
3. ASSEMBLIES WERE INSTALLED AND TESTED IN 0.8 mm (.031 in) NOMINAL THICK COLD ROLLED STEEL PANELS (MAXIMUM Rb70)

FAILURE MODES OBSERVED IN TESTING:

- A. FAILURE OCCURED IN THE ASSEMBLY PUSHING OUT OF THE PANEL
- B. FAILURE OCCURED IN THE ASSEMBLY PUSHING OUT OF THE PANEL, EXCESSIVE PANEL DEFORMATION OR CAP AND STUD DAMAGE

REF: TR56-18382, TR56-18385

CPB NUMBER	THIRD ANGLE PROJECTION	 CONNECT • CREATE • INNOVATE			
	MILLIMETERS [IN]				
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION 56 SPRING LOADED PLUNGER ASSEMBLY, MINIATURE, PRESS-IN			
VOLUME	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	SIZE A4	SYSTEM NX	DWG NO. TD-56-1X-J	
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	PER ASME Y14.5M-1994	DRAWN BY TVA/SP	DATE 16SEP2014	SCALE 1:1	SHEET 1 OF 1