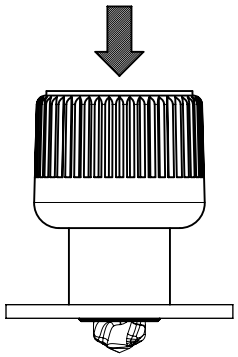
SOUTHCO PERFORMANCE GUIDELINES

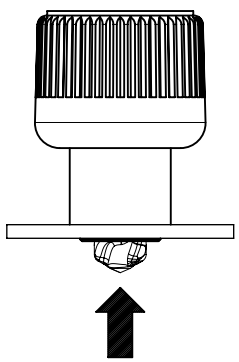
THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED IT IS 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.

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	24MAY2018	MJK/MJS	PRN: P2018-1290

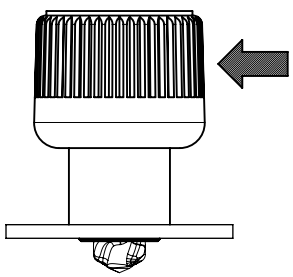
INSTALLATION LOAD



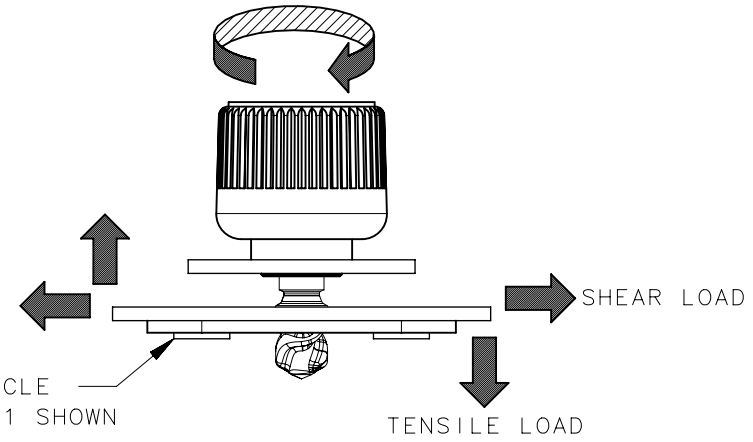
PUSH OUT LOAD



SIDE LOAD



TORQUE



D9 FLARE-IN STUD ASSEMBLY							
STUD ASSEMBLY PART NUMBER	MAXIMUM INSTALLATION LOAD N (lbf)	MAXIMUM PUSH OUT LOAD N (lbf)	MAXIMUM SIDE LOAD N (lbf)	D9 RECEPTACLE	MAXIMUM TORQUE N-m (in-lbf)	MAXIMUM TENSILE N (lbf)	MAXIMUM SHEAR N (lbf)
D9-47-3301-K	2500 (562)	429 (96)	130 (29)	D9-61-11	1.5 (13)	1200 (270)	2145 (482)
				D9-62-11	1.3 (11)	-	-
				D9-63-11	1.2 (10)	-	-

1. Flare-in style stud assembly test samples were installed into a 0.94mm (.037 inch) test panel (CRS No.5, ASTM A109 T2) at 2500N (Install Tool: 47-106).
2. D9 receptacle D9-61-11 test samples were installed into test fixture #604520 with 2-56 X 3/8 inch flat head screws.
3. D9 receptacle D9-62-11 test samples were installed into test fixture Fixture #604519 with 4-40 X 5/16 inch flat head screws.
4. D9 receptacle D9-63-11 test samples were installed into a test panel (CRS No.5, ASTM A109 T2) at 13,400N per Drawing J-D9-63 (Rev: A).

REF: trD9-27943
trD9-28572

SURFACE AREA

VOLUME

PROPRIETARY ITEM

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THIRD ANGLE PROJECTION

MILLIMETERS [IN]

TOLERANCES UNLESS OTHERWISE NOTED

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

PER ASME Y14.5M-1994

southco®
CONNECT·CREATE·INNOVATE

DESCRIPTION: D9 FLARE-IN STUD ASSEMBLY

SIZE	SYSTEM	DWG NO.	
A4	NX	TD-D9-F-01-J	
DRAWN BY: MJS	DATE: 10JAN2017	SCALE: 1:1	SHEET: 1 OF 1