southco			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.		D8 PANEX SIZE #6 PRODUCT CLASS COMPARISONS			16/08/09			TD-D8-0-A	BER		
REV	DATE	DRAWN/CHKD	DESCRIPTION											A4
В	27/07/11	DME	PRN P2011-0946										9 4	PAPER
С	27AUG2020	MBT/DMS	PRN: P2020-1632										THIRD ANGLE PROJECTION	SIZE

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 TENSILE LOADING IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY CLAMP FORCE OF THE PRODUCT FOR THE PURPOSE INTENDED AND USER'S PARTICULAR APPLICATION. TORQUE RESISTANCE PANEL STUD . SUPPORT Performance Comparison - Working Load RECEPTACLE SEE NOTE 1 2 D8 Size #6

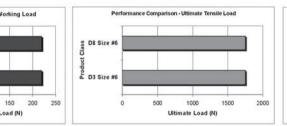
a D3 Size #6

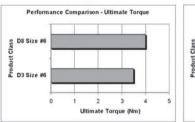
100

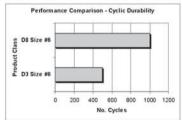
Working Load (N)

PERFORMANCE	PRODUCT CLASS					
CRITERIA	D3 (SIZE #6)	D8 (SIZE #6)				
MAXIMUM WORKING TENSILE LOAD (N)	220	220				
AVERAGE ULTIMATE TENSILE LOAD (N)	1750	1750				
AVERAGE ULTIMATE TORQUE (N.m.)	3,5	4				
CYCLIC DURABILITY	500	1000				

Table 1: Mechanical Performance Comparisons







NOTES:

- 1. STUDS TESTED IN CONJUNCTION WITH CLIP-ON RECEPTACLE D8-336-300-1XX.
- 2. MAXIMUM WORKING LOAD THE MAXIMUM RECOMMENDED LOAD AT WHICH THE PRODUCT CONTINUES TO FUNCTION PROPERLY.
- 3. AVERAGE ULTIMATE LOAD THE LOAD THAT CAUSES FAILURE OR EXCESSIVE DEFORMATION WHICH RENDERS THE PRODUCT INOPERABLE.
- 4. ULTIMATE TORQUE LOAD THE LOAD THAT CAUSES FAILURE OR EXCESSIVE DEFORMATION WHICH RENDERS THE PRODUCT INOPERABLE.
- 5. CYCLIC DURABILITY FIGURE IS FOR PRODUCT DRY & UNLUBRICATED. SOME WEAR WILL OCCUR WITHOUT LOSS OF PRIMARY FUNCTION NOTE, WITH SUITABLE LUBRICATION, CYCLIC DURABILITY CAN BE IMPROVED.

Table 2: Visual Mechanical Performance Comparisons