

**SOUTHCO PERFORMANCE GUIDELINES:**

THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH THE 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 INTENDED PURPOSE AND APPLICATION.

SPECIFICATION	ATTRIBUTE	RESULT	TEST
DYNAMIC LOAD CAPABILITY	CYCLE LOAD	450N (100lbf)	A
	CYCLE LIFE	10,000	A
STATIC LOAD CAPABILITY	MAXIMUM WORKING	556N (101lbf)	A,B
	AVERAGE ULTIMATE	2200N (494lbf)	B
INSTALLATION TORQUE	RECOMMENDED M22 NUT	20Nm (177 lbf-in)	C
	RECOMMENDED M10 NUT	10Nm (88.5 lbf-in)	D

**DEFINITIONS:**

**MAXIMUM WORKING LOAD** - THE MAXIMUM RECOMMENDED LOAD THAT CAN BE APPLIED AND REMOVED ONE TIME AFTER WHICH THE PRODUCT CONTINUES TO FUNCTION PROPERLY.

**AVERAGE ULTIMATE LOAD** - THE AVERAGE LOAD THAT CAUSES FAILURE OR EXCESSIVE DEFORMATION WHICH RENDERS THE PRODUCT INOPERABLE.

**MAXIMUM DYNAMIC WORKING LOAD** - THE MAXIMUM RECOMMENDED LOAD AT WHICH THE PRODUCT CONTINUES TO FUNCTION PROPERLY THROUGH ITS INTENDED CYCLE LIFE.

TEST REFERENCE:		
REF	REPORT	TEST #
A	trE3-52247	1
B	trE3-42244	2a
C	trE3-42244	4
D	trE3-42244	5a

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	26MAR2023	BVH/IR	PRN: P2022-0942

**RELEVANT PART NUMBERS**

E3-ARH-G2

**R = ROTATION**

- 1 = CLOCKWISE 195° TO LATCH
- 22 = COUNTER CLOCKWISE 195° TO LATCH

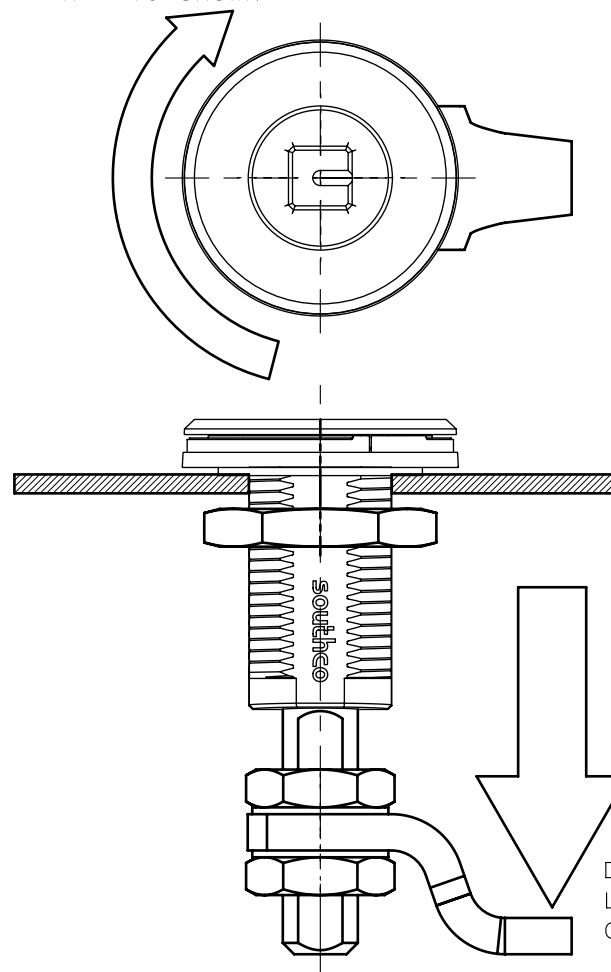
**H = HEAD STYLES**

- 6 = 8 (.32) HEX RECESS
- 9 = SLOTTED RECESS
- 10 = 8 (.32) SQUARE DRIVER
- 11 = RAILWAY STANDARD

**G = GRIP DISTANCE**

- 0 = NO CAM
- 1 = DEEP OFFSET CAM
- 2 = OFFSET CAM
- 3 = STRAIGHT CAM

TORQUE APPLIED TO DRIVER TO LATCH  
R = 1 SHOWN  
H = 10 SHOWN



DIRECTION OF LOAD APPLICATION  
G = 2 SHOWN

CPB NUMBER 2017-0409	THIRD ANGLE PROJECTION			 CONNECT • CREATE • INNOVATE					
	MILLIMETERS [IN]								
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION	SIZE	SYSTEM	DWG NO.				
VOLUME	UP TO 0.5 ±0.05 OVER 0.5 UP TO 6 ±0.1 OVER 6 UP TO 30 ±0.2 OVER 30 ±0.3 ANGLES ±1°	E3 COMPRESSION LATCH VISUAL INDICATOR, ADJUSTABLE GRIP, MIM	A4	NX	TD-E3-A12-18-J				
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.	PER ASME Y14.5M-1994	DRAWN BY	BVH	DATE	23OCT2020	SCALE	1:1	SHEET	1 OF 1