

**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.

# MP PULL-TO-OPEN LATCH

DATE	DRAWN	CHKD	SCALE	DRAWING NUMBER
13JUN2005	MJS	SK	1:1	TD-MP-2-J

REV	DATE	DRAWN/CHKD	DESCRIPTION
A	12OCT2005	JWJ	UPDATED

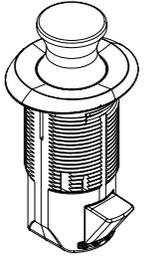
THIRD ANGLE PROJECTION



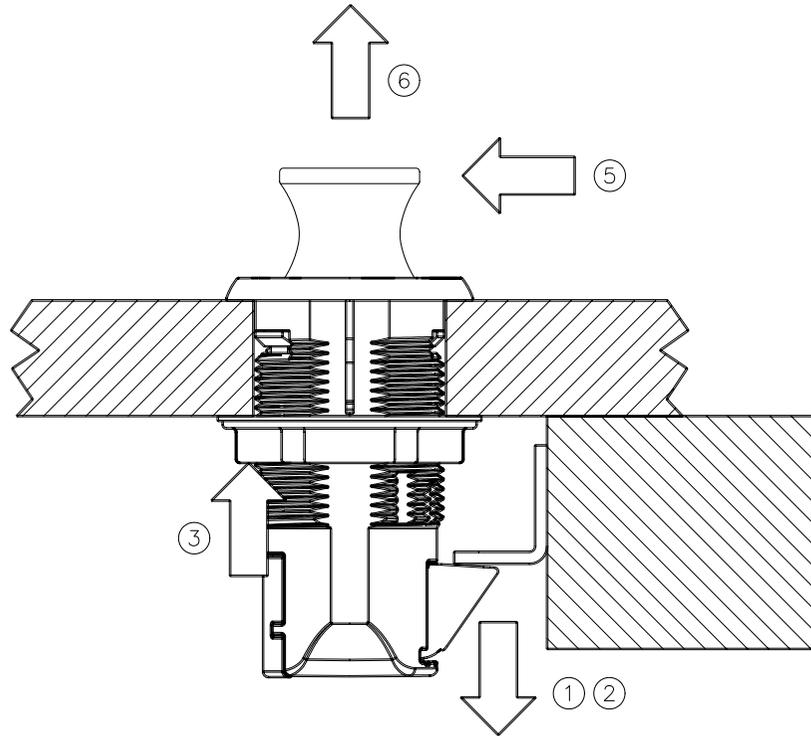
A4 PAPER SIZE

### 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 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.



SEE J-MP-05-1 FOR PART NUMBERS



- ① MAXIMUM DYNAMIC WORKING LOAD:  
15 N (3.5 lbf)
- ② AVERAGE ULTIMATE TENSILE LOAD  
(AT MIN RECOMMENDED ENGAGEMENT):  
250 N (57 lbf)
- ③ MAXIMUM RECOMMENDED TIGHTENING TORQUE  
FOR MOUNTING NUT:  
2 N·m (18 lbf in)
- ④ CYCLE LIFE:  
10000 CYCLES
- ⑤ AVERAGE ULTIMATE SIDE LOAD ON KNOB:  
IN-LINE WITH PAWL: 1,200 N (270 lbf)  
90° FROM PAWL: 1600 N (365 lbf)
- ⑥ MAXIMUM TENSILE LOAD ON KNOB:  
910 N (205 lbf)

AVERAGE ULTIMATE LOAD - is the load that causes failure or excessive deformation which renders the product inoperable.

Overloading the fastener beyond these conditions is not recommended.

CYCLE LIFE - Samples performed flawlessly after 10,000 cycles and showed no noticeable signs of wear. Cycle testing was performed by first opening and closing door 10,000 times with knob in unlatched position (in the fixture, the door was forced open and closed by plungers acting on the inside and outside of door respectively). Next, knob was actuated 10,000 times separately (10,000 times depressed to unlatch and 10,000 times depressed to secure latch).

REF: MP-07