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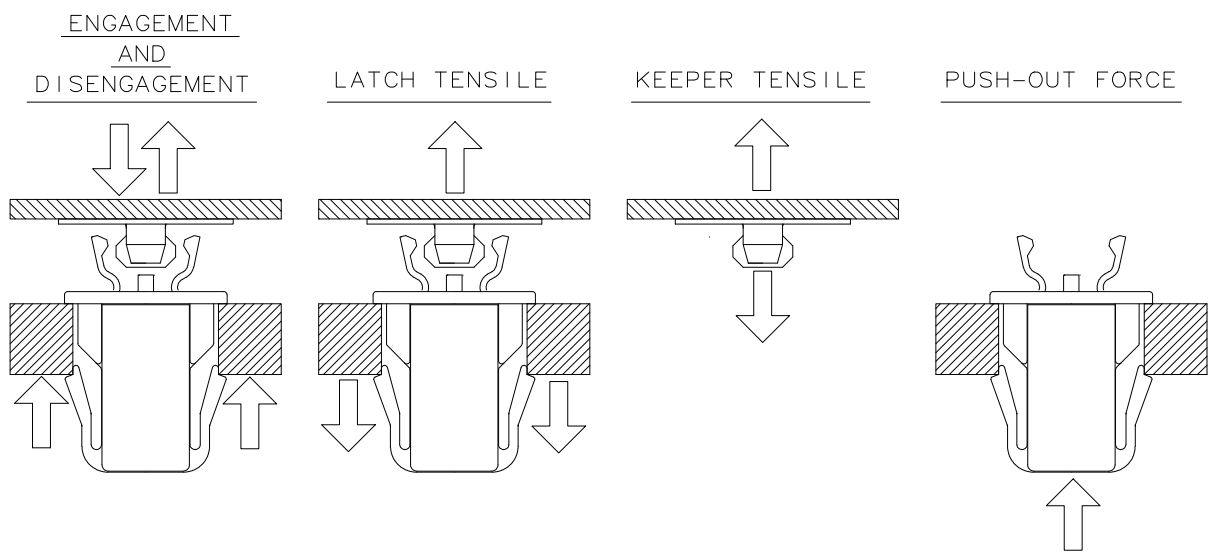
No. E4 TOUCH LATCH

DATE 09APR2002 GDM
 REV E

DESCRIPTION UPDATE FORMAT

DATE 02JUN87
 DRAWN/CHKD SMK
 SCALE NTS
 DRAWING NUMBER TD-E4-01-J
 A PAPER SIZE
 THIRD ANGLE PROJECTION

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.



PART NUMBER
 E4-10-102-XX

APPROXIMATE LOAD VALUES IN NEWTON (POUNDS):

ENGAGEMENT	DISENGAGEMENT	LATCH TENSILE	KEEPER TENSILE	PUSH-OUT FORCE	CYCLE LIFE
11.1 (2.5) ^①	9.5 (2.1) ^②	15.6 (3.5) ^③	35.6 (8.0) ^④	490 (110) ^⑤	50,000 ^⑥

- ① ENGAGEMENT is the load required to engage the latch by pushing on the outer panel.
- ② DISENGAGEMENT is the load required to disengage the latch by pushing then releasing, the outer panel after it had been engaged.
- ③ LATCH TENSILE is the load required to force the latch apart initially once it had been engaged. Latches were re-usable after being forced apart. This latch tensile load diminished to around 12.3 newtons (2.8 lbs.) after having been repeatedly forced apart.
- ④ KEEPER TENSILE is the load required to pull keeper from a clean aluminum panel having standard mill finish surface. Load was applied at a rate of .1 in./min.
 NOTE Self-adhesive keepers are designed to withstand only intermittent loads. Do not subject self-adhesive keepers to any continuous load.
- ⑤ PUSH-OUT FORCE is the load required to push out latch from mounting hole.
- ⑥ CYCLE LIFE is the minimum number of complete cycles the latch can perform before failure.
 NOTE 1 complete cycle = 1 cycle to open + 1 cycle to close