

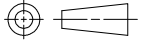
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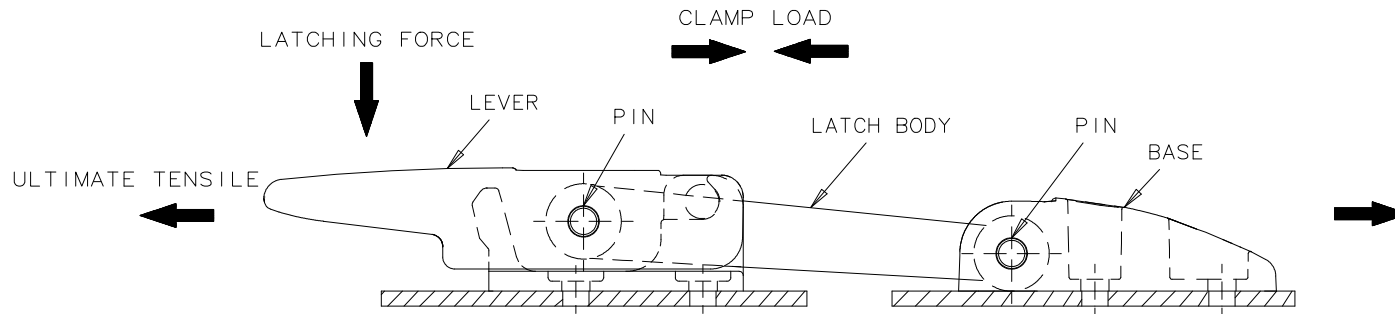
No. 37 AEROLATCH ASSEMBLY™

DATE	DRAWN	CHKD	SCALE	DRAWING NUMBER
30APR1997	MAC	-	NTS	TD-37-2-J

REV	DATE	DRAWN/CHKD	DESCRIPTION
D	29MAY2019	CMS/EHH	PRN: P2019-1359
E	21AUG2019	CMS/EHH	PRN: P2019-2130

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.



PART NUMBER	AVERAGE STEADY STATE CLAMP LOAD	AVERAGE LATCHING FORCE	AVERAGE ULTIMATE TENSILE LOAD	MAXIMUM TORQUE OF MOUNTING SCREWS	TESTED TEMPERATURE RANGE
37-30-294-60	110 N (25 LBS)	80 N (18 LBS)	780 N (175 LBS)	3.5 Nm (30 IN LBS)	-40°C TO 50°C (-40°F TO 122°F)
37-30-297-60	190 N (43 LBS)	100 N (22 LBS)	1200 N (270 LBS)	3.5 Nm (30 IN LBS)	-40°C TO 50°C (-40°F TO 122°F)
37-40-295-60	350 N (79 LBS)	100 N (22 LBS)	1900 N (427 LBS)	7 Nm (62 IN LBS)	-40°C TO 50°C (-40°F TO 122°F)
37-40-305-60	475 N (107 LBS)	132 N (30 LBS)	2100 N (472 LBS)	7 Nm (62 IN LBS)	-20°C TO 80°C (-4°F TO 176°F)

PROVIDED VALUES WERE OBTAINED AT ROOM TEMPERATURE.
 AVERAGE CLAMP LOAD AND AVERAGE LATCHING FORCE OBTAINED AT NOMINAL MOUNTING DIMENSION.
 WHEN IN LATCHED POSITION, MOVEMENT OF DOOR RELATIVE TO FRAME NOT TO EXCEED +/- 5 mm IN ANY DIRECTION.
 CYCLE LIFE: LATCHES WILL PROVIDE 15,000 CYCLES MINIMUM.

SUPPORTING TEST DATA:

- 37-30-294-60: tr37-28713; tr37-07
- 37-30-297-60: tr37-29802; tr37-07
- 37-40-295-60: tr37-27892; tr37-29829; tr37-16299
- 37-40-305-60: tr37-36243; tr37-27408; tr37-38989