

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.

No. 37 FLEXIBLE DRAW LATCHES

The INITIAL CLAMPING FORCE and the STEADY STATE CLAMPING FORCE were tested with the latch mounted at the recommended nominal mounting distance.

The STEADY STATE CLAMPING FORCE is the design force of the fastener measured after the initial force has relaxed. This occurs over a test period of approximately 24 hours at room temperature.

The AVERAGE ULTIMATE LOAD causes the product to fail.
OPERATING TEMPERATURE -20 TO 95 DEGREES C (0 TO 200 DEGREES F)

PART No.	AVG. CLAMPING FORCES (N/LBS.)		AVG. ULTIMATE LOAD (N/LBS.)	MODE OF FAILURE AT ULTIMATE LOAD	DUROMETER* OF RUBBER
	STEADY STATE	INITIAL			
37-10-041-XX	15.1/3.4	18.2/4.1	32.5/7.3	Ball of latch body slipped out of keeper	60
37-10-051-XX	20.9/4.7	26.7/6.0	55/12.4	Ball of latch body slipped out of keeper	60
37-10-061-XX -065-XX	26.2/5.9	32.5/7.3	98/22	Ball of latch body slipped out of keeper	60
37-X0-07X-XX	38.7/8.7	44/10	142/32	Ball of latch body slipped out of keeper	60
37-X0-08X-XX	49/11	62/14	285/64	Ball of latch body slipped out of keeper	60
37-X0-10X-XX	84/19	125/28	365/82	Ball of latch body slipped out of keeper	60
37-X0-13X-XX	80/18	93/21	365/82		60
37-10-274-XX	120/27	178/40	1780/400	Latch body breaks- pin pulls through latch body	60
-277-XX	214/48	280/63	N/A		75
37-10-284-XX	391/88	534/120	2220/500	Latch body breaks- pin pulls through latch body	80
-287-XX	440/99	578/130	2220/500		85
37-10-477-XX	356/80	490/110	2450/550	Latch body breaks- pin pulls through latch body	75

* DUROMETER MEASURED ON A "SHORE A" SCALE