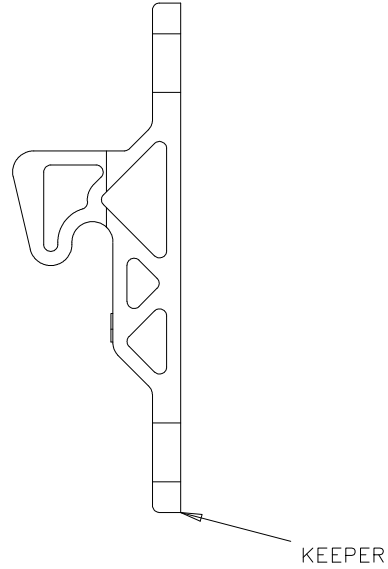
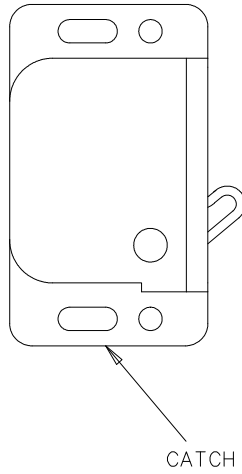


	REV	DATE	DESCRIPTION	PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.	N <sub>0</sub> C3 DOOR CATCH TEST DATA HEAVY DUTY KEEPER	DATE	DRAWN	CHKD	SCALE	DRAWING NUMBER	
	C	22AUG2018	CMS/CTG			PRN: P2017-0836	2 AUG 94	LBZ	ACZ	NTS	TD-C3-04-J
	D	06FEB2019	CMS/BS			PRN: P2019-0308					



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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.



HOLDING FORCE - THE FORCE EXERTED BY THE CATCH ASSEMBLY TO HOLD THE DOOR CLOSED.

CLOSING FORCE - THE FORCE REQUIRED TO FULLY ENGAGE THE KEEPER IN THE CATCH ASSEMBLY.

PART NUMBER HEAVY DUTY	HOLDING FORCE NEWTONS/POUNDS			CLOSING FORCE NEWTONS/POUNDS		
	$\bar{x}$ KEEPER	SIGMA	3 SIGMA RANGE	$\bar{x}$	SIGMA	3 SIGMA RANGE
C3-803	$\frac{24}{5.4}$	$\frac{.89}{.2}$	$\frac{21 - 27}{4.8 - 6.0}$	$\frac{20}{4.4}$	$\frac{2.0}{.44}$	$\frac{13 - 25}{3.0 - 5.7}$
C3-805	$\frac{31}{7.0}$	$\frac{1.2}{.26}$	$\frac{24 - 34}{6.2 - 7.7}$	$\frac{28}{6.2}$	$\frac{3.9}{.87}$	$\frac{16 - 39}{3.5 - 8.8}$
C3-810	$\frac{50}{11.2}$	$\frac{1.2}{.27}$	$\frac{46 - 54}{10.3 - 12.1}$	$\frac{59}{13.3}$	$\frac{3.2}{.72}$	$\frac{49 - 69}{11.0 - 15.5}$

THE TESTED CYCLE LIFE OF THE C3-8XX DOOR CATCH ASSEMBLY IS IN EXCESS OF 18,000 CYCLES. ADJUSTMENT OF KEEPER POSITION MAY BE REQUIRED TO MAINTAIN OPERATION OF THE PAWL RETAINING FEATURE.

MAXIMUM RECOMMENDED TIGHTENING TORQUE FOR CATCH MOUNTING HARDWARE IS 1.1 NEWTON METERS/ 10 INCH-POUNDS. MAXIMUM RECOMMENDED TIGHTENING TORQUE FOR KEEPER MOUNTING HARDWARE IS 2.8 NEWTON METERS/ 25 INCH-POUNDS.

REF: C3-07, C3-17