
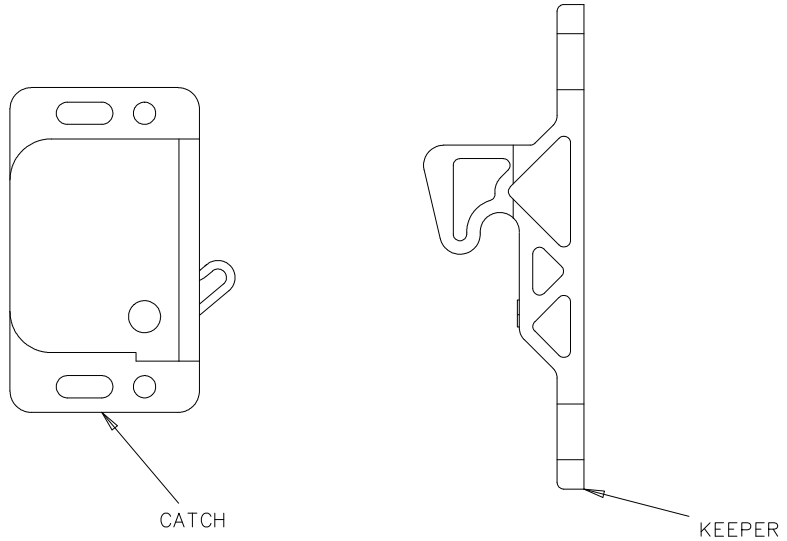


	REV	B	DATE	09APR2002	DRAWN/CHKD	GDM	DESCRIPTION		UPDATE		FORMAT	
	PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.											
	NO C3 DOOR CATCH TEST DATA HEAVY DUTY KEEPER											
	DATE	2 AUG 94	DRAWN/CHKD	LBZ/ACZ	SCALE	NTS	DRAWING NUMBER					
						TD-C3-04-J						
						 THIRD ANGLE PROJECTION						
						 A 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.



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	$\frac{31}{7.0}$	$\frac{1.2}{.26}$	$\frac{28 - 34}{6.2 - 7.7}$	$\frac{28}{6.2}$	$\frac{3.9}{.87}$	$\frac{16 - 39}{3.5 - 8.8}$
C3-810	$\frac{55}{12.3}$	$\frac{1.7}{.39}$	$\frac{49 - 60}{11.1 - 13.4}$	$\frac{45}{10.1}$	$\frac{6.7}{1.5}$	$\frac{25 - 65}{5.7 - 14.5}$

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