

DRAWING NUMBER
TD-97-1-J

A
PAPER
SIZE

THIRD ANGLE PROJECTION

SCALE
NTS

CHKD
ALC

ACZ
NTS

DATE
06JUL93

No. 97 DRAW LATCH
30, 50, 60, AND 70 SERIES

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.

DESCRIPTION
UPDATE FORMAT

REV
D

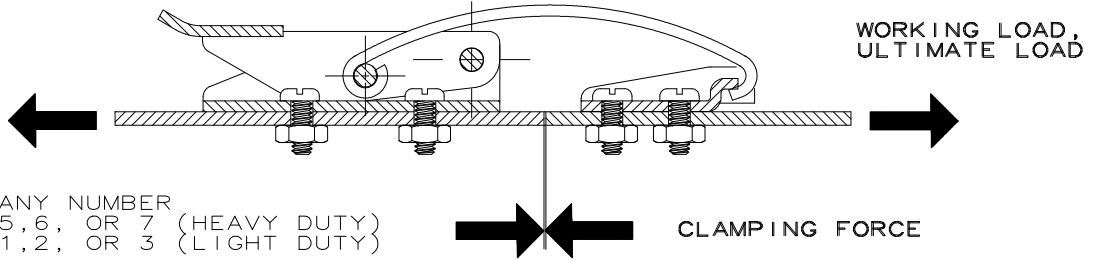
DATE
09APR2002

DRAWN/CHKD
GDM

DATE
09APR2002

REV
D

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.



X = ANY NUMBER
Y = 5, 6, OR 7 (HEAVY DUTY)
Z = 1, 2, OR 3 (LIGHT DUTY)

PART NUMBER	CLAMPING FORCE ①	MAXIMUM RECOMMENDED WORKING LOAD ②	AVERAGE ULTIMATE LOAD ③
97-30-16X-11	135 N (30 LBS)	380 N (85 LBS)	(A)
97-30-16X-12			1110 N (250 LBS)
97-50-XZ ₂ ¹ -11	310 N (70 LBS)	890 N (200 LBS)	(A)
97-50-XZ3-11			(B)
97-50-XZ ₅ ⁴ -11			(A)
97-50-XZ ₂ ¹ -12	310 N (70 LBS)	890 N (200 LBS)	(C)
97-50-XZ3-12			(B)
97-50-XZ ₅ ⁴ -12			(C)
97-50-XY ₂ ¹ -11	670 N (150 LBS)	1270 N (285 LBS)	(A)
97-50-XY3-11			(B)
97-50-XY ₅ ⁴ -11			(A)
97-60-X2 ₄ ¹ -1X	290 N (65 LBS)	710 N (160 LBS)	(A)
97-60-X23-1X		890 N (200 LBS)	(B)
97-70-X2X-11	600 N (135 LBS)	1560 N (350 LBS)	(A)

A: KEEPER SEVERLY DEFORMED
B: LOW CARBON STEEL MOUNTING SCREW FAILED
C: ASSEMBLY UNLATCHED UNDER LOAD

- ① CLAMPING FORCE is the load exerted by the latch against the two panels.
- ② WORKING LOAD is the maximum force that the product will withstand without affecting the operation or appearance of the product.
- ③ Average ULTIMATE LOAD causes failure of the product or sufficient deformation to make the product inoperable.

REF: 97-27

