

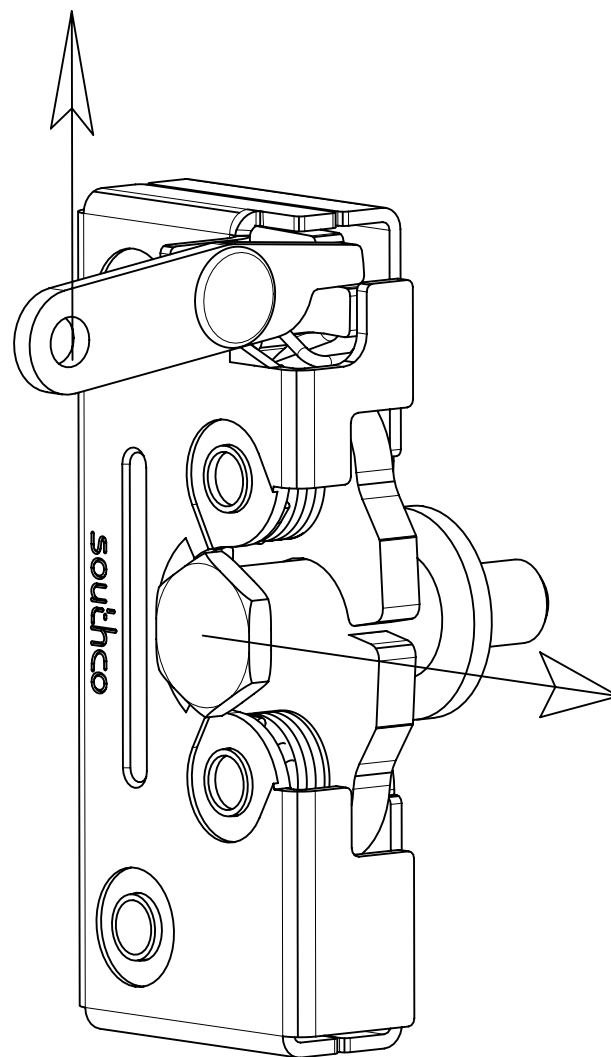
SOUTHCO PERFORMANCE GUIDELINES

THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALATION. STRENGHT DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE THE 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 .

REVISION HISTORY

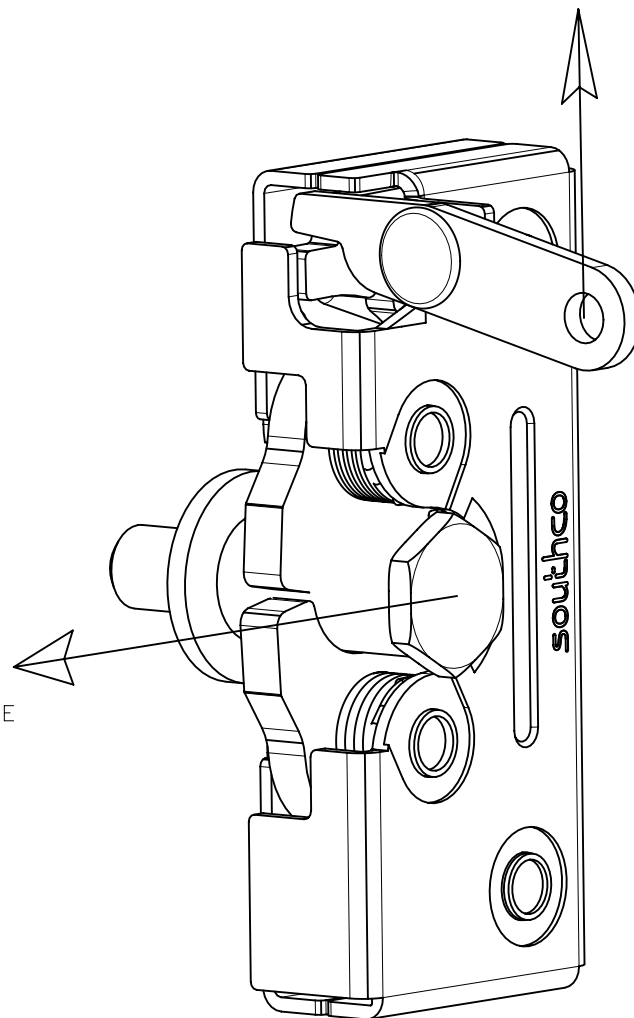
REV	DATE	BY	DESCRIPTION
F	05MAR2024	GBD/CRM	PRN: P2024-0422

DIRECTION OF ACTUATION FORCE



R4-50-XX-101-10 LEFT HAND

DIRECTION OF ACTUATION FORCE



R4-50-XX-101-10 RIGHT HAND

DIRECTION OF TRANSVERSE LOAD AND GASKET FORCE

Performance values for R4-50-XX-101-10

	AVERAGE FORCE REQUIRED TO ACTUATE(OPEN) LATCH *SEE NOTE 3	AVERAGE TRANSVERSE LOAD LATCH WITHOUT STRIKER PRIMARY STAGE	AVERAGE TRANSVERSE LOAD WITH STRIKER *SEE NOTE 5 PRIMARY STAGE
SINGLE STAGE LATCH	60 N (13.5 LBF) FOR 110K CYCLES	18000 N (4047 LBF)	10000 N (2248 LBF)
TWO STAGE LATCH	32 N (7.2 LBF) FOR 500K CYCLES		

1. ACTUATION FORCE TESTS AND CYCLE TESTS WERE PERFORMED WITH PART NUMBERS R4-50-X0-101-10.
2. AVERAGE TENSILE FORCE BEFORE LATCH FAILURE OR STRIKER PULL-OUT COMPLIES WITH FMVSS 206 STANDARD, REVISION TP-206-06: TANSVERSE LOAD TESTING.
3. CYCLE AND TENSILE TESTS WERE PERFORMED WITH THE STRIKER AT THE NOMINAL LATERAL POSITION AND 222 N (50LBF) GASKET FORCE.
4. SINGLE STAGE LATCHES CANNOT BE USED FOR FMVSS COMPLIANT APPLICATIONS
5. TEST COMPELETED USING SOUTHCO STRIKER R4-90-4101-10

NOTE :

SOUTHCO LATCHES USED IN A PASSENGER RESTRAINT SYSTEM MUST BE FULLY TESTED IN THE DOOR SYSTEM.

SOUTHCO R4-50-XX-1X1-10 TWO STAGE LATCHES MAY BE USED IN A CERTIFIED FMVSS 206 DOOR SYSTEM ONLY WHEN USED WITH A SOUTHCO DOOR STRIKER BOLTS. SEE J-R4-90-400 FOR DETAILS.

REF.: trR4-78, trR4-8701, trR4-1130851 AND trR4-1220229

THIRD ANGLE PROJECTION		southco [®] CONNECT · CREATE · INNOVATE	
MILLIMETERS [IN]			
TOLERANCES UNLESS OTHERWISE NOTED		DESCRIPTION PUSH TO CLOSE LATCH R4	
SURFACE AREA UP TO 0.5 ±0.05 OVER 0.5 UP TO 6 ±0.1		SIZE B	SYSTEM NX
VOLUME OVER 6 UP TO 30 ±0.2 OVER 30 ±0.3		DWG NO. TD-R4-50-J	
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PER ASME Y14.5M-2009		DATE 16FEB2009	SCALE 1:1
		SHEET 1 OF 1	