

**southco**  
 PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION IS UNCLASSIFIED. HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.

REV	DATE	DRAWN/CHKD	DESCRIPTION
A	03NOV2008	IR/DLH	RELEASED FOR PRODUCTION
B	25NOV2008	IR/ACH	PRN: P2008-1345
C	04 FEB 09	IR/ACH	PRN: P2009-0162
D	22SEP2014	CMS/BGL	PRN: P2014-1872
E	05AUG2016	CMS/IR	PRN: P2016-1835
F	08OCT2018	CMS/CDW	PRN: P2018-2334

DRAWING NUMBER	DRAWING CHGD	SCALE	DATE	DRAWN	CHKD	IR	ACH	DNS
J-H3-50-301-1			15 MAY 08					

DESCRIPTION	MATERIAL	FINISH/COLOR	DESCRIPTION	FINISH/COLOR
SWINGHANDLE LATCH, ACTUATOR, OUTDOOR, 25x125 SIZE	ZAMAC 3	NATURAL	DISC SPRING	STEEL
HOUSING		BLACK POWDERCOAT	DUMMY CAM	
MOUNTING CUP			CAM SCREW	
TOOL ACTUATOR			WAVE WASHER	
SHAFT			RETAINER	
ROTATION LIMITER			HANDLE PIN	
LOCKING PLUG			PAWEL SPRING	
DIN LOCK ASSY			WAVE WASHER	
PANEL GASKETS			PADLOCK HASP	
DIN DUST COVER			SHAFT O-RING	
HANDLE BUMPER			SCREW O-RINGS	

DESCRIPTION	MATERIAL	FINISH/COLOR	DESCRIPTION	FINISH/COLOR
BLACK POWDERCOAT			STEEL	
NATURAL			STAINLESS	
CHROME PLATE			BUNA-N	
NATURAL/BLACK			NATURAL/BLACK	

PART NUMBER: H3-50-**A** **LL** **CCC** -1 **FF**

PADLOCK/SERIES:

- 1, 2 = COVERED IN J-H3-50-101-0 OR J-H3-50-101-1
- 3 = NO PADLOCK, ACTUATOR
- 4 = PADLOCK, ACTUATOR

LOCKING OPTION:

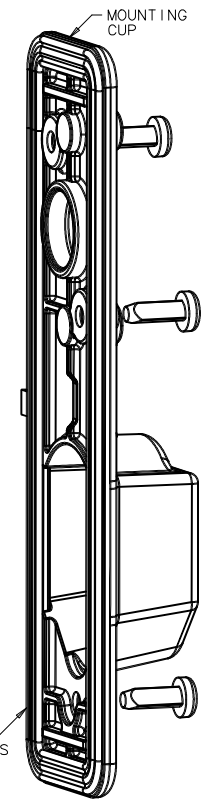
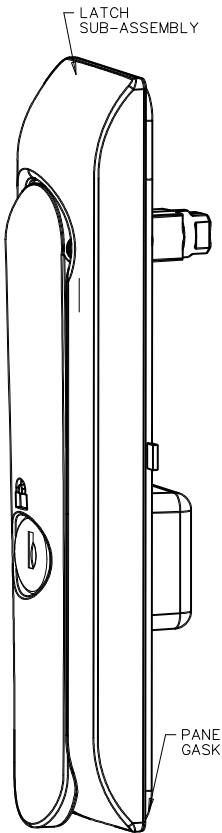
- 00 = NO LOCK PROVIDED (DIN ONLY)
- 01 = CH751
- 02 = 300
- 03 = 333
- 04 = NON LOCKING
- 10 = RS CODES
- 11 = LS CODES
- 20 = NON LOCKING DIN WITH DETENT
- 21 = DIN CH751
- 22 = DIN 300
- 23 = DIN 333
- 24 = DIN, W/O LOCK PLUG
- 40 = TOOL, 3mm DOUBLE BIT
- 41 = TOOL, 5mm DOUBLE BIT
- 42 = TOOL, TELCORDIA 216 (BELLCORE)
- 43 = TOOL, ELECTRONICS KEY
- 47 = TOOL, 8mm TRIANGLE
- 70 = DIN TOOL, 3mm DOUBLE BIT
- 71 = DIN TOOL, 5mm DOUBLE BIT
- 72 = DIN TOOL, TELCORDIA 216
- 73 = DIN TOOL, ELECTRONICS KEY
- 77 = DIN TOOL, 8mm TRIANGLE

ASSEMBLY FINISH:  
 44 - SATIN CHROME  
 50 - BLACK POWDER COAT  
 OTHERS AVAILABLE UPON REQUEST

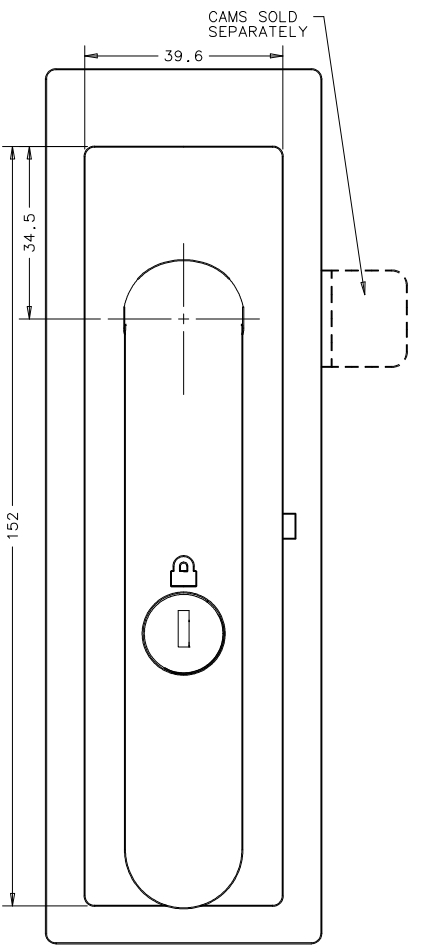
GRIP TABLE  
 CAM  
 PART No. E5-61YY

YY	GRIP	YY	GRIP
07	10.3	15	26.3
08	12.3	16	28.3
09	14.3	17	30.3
10	16.3	18	32.3
11	18.3	19	34.3
12	20.3	20	36.3
13	22.3	21	38.3
14	24.3	22	40.3

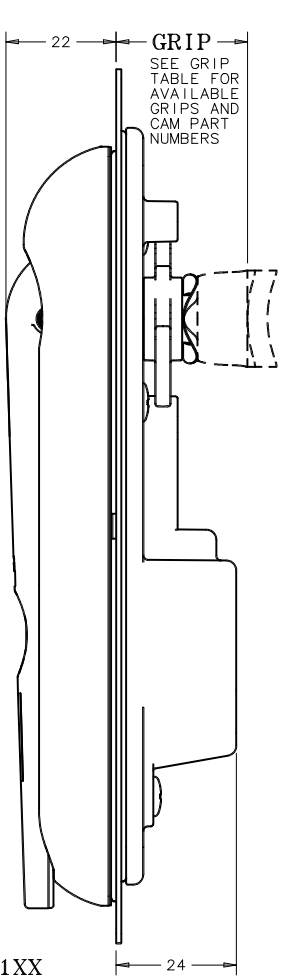
SEE J-E5-61-A (FLAT CAM)  
 SEE J-E5-71 (ROLLER CAM)



H3-50-303-1XX LATCH SHOWN  
 SEE SHEET 2 FOR VIEWS OF DIN AND TOOL ACCESS VERSIONS



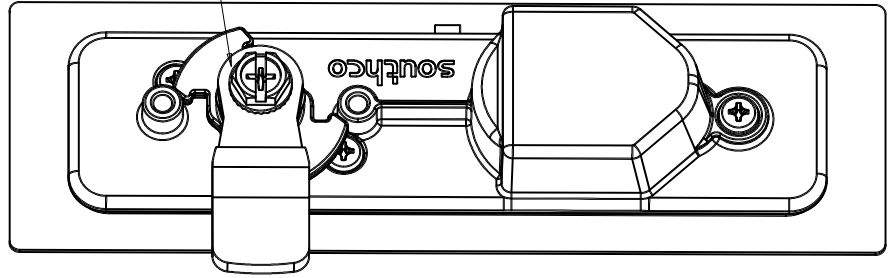
H3-50-303-1XX LATCH SHOWN



GRIP  
 SEE GRIP TABLE FOR AVAILABLE GRIPS AND CAM PART NUMBERS

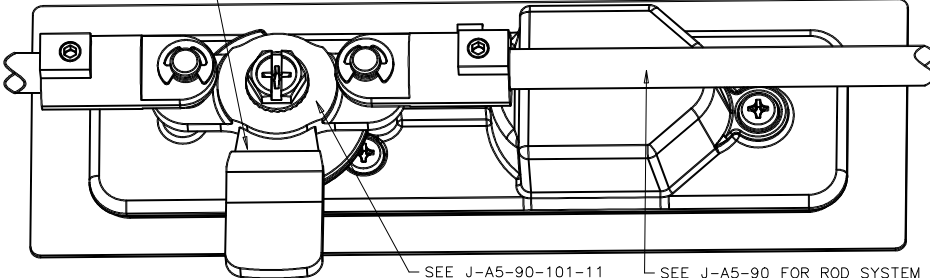
CAM SOLD SEPARATELY SEE CAM GRIP TABLE AND J-E5-61-A

H3-50-303-1XX SHOWN AS A SINGLE POINT LATCH



CAM SOLD SEPARATELY SEE CAM GRIP TABLE AND J-E5-61-A. USE DUMMY CAM FOR NO CENTER POINT LATCHING.

H3-50-303-1XX SHOWN WITH OPTIONAL A5-90-101-11 MULTI POINT ADAPTER PLATE ASSEMBLY



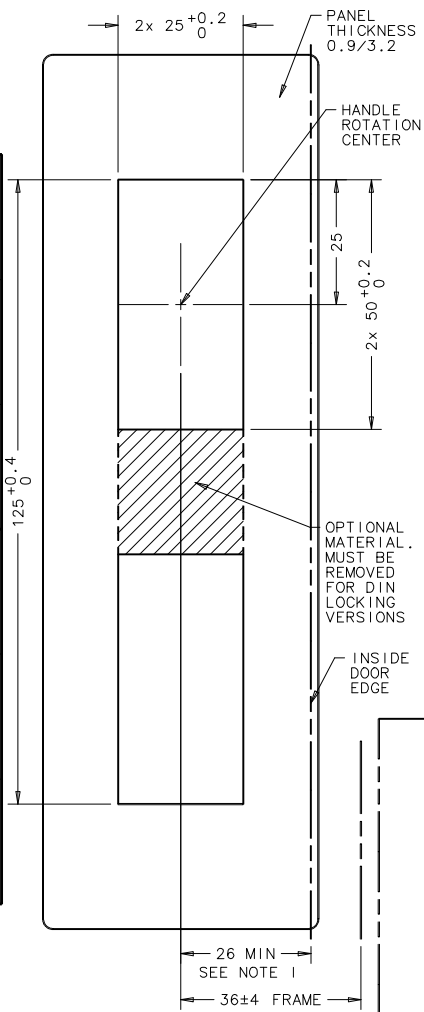
SEE J-A5-90-101-11

SEE J-A5-90 FOR ROD SYSTEM

**Proprietary Item - Patent Pending**  
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DRAWING NUMBER		SCALE		DATE		MATERIAL		DESCRIPTION		FINISH/COLOR		MATERIAL	
J-H3-50-301-1		1:1		15 MAY 08		STEEL		HANDLE COVER		BLACK POWDERCOAT		ZAMAC 3	
MILLIMETERS		IR ACH DNS		08		STAINLESS		DISC SPRING		NATURAL		BUNA-N	
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		ZINC PLATE		15 MAY 08		PASSIVATED		DUMMY CAM		CHROME PLATE		SANTOPRENE	
A.3 PAPER SIZE		PASSIVATED		15 MAY 08		NATURAL/BLACK		M4x7 SCREWS		NATURAL/BLACK		BUNA-N	
THIRD ANGLE PROJECTION		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		RETAINER		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		HANDLE PIN		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		PANEL SPRING		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		WAVE WASHER		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		PADLOCK HASP		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		SHAFT O-RING		NATURAL/BLACK		BUNA-N	
SHEET 2 OF 2		NATURAL/BLACK		15 MAY 08		NATURAL/BLACK		SCREW O-RINGS		NATURAL/BLACK		BUNA-N	

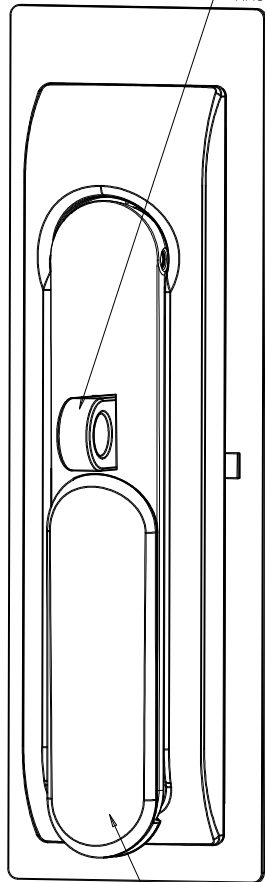
**PANEL PREPARATION**



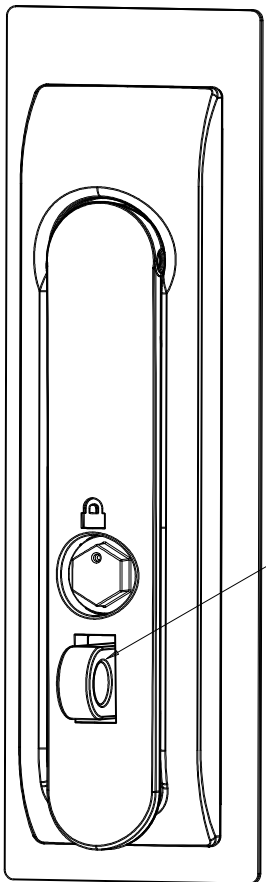
**NOTES:**

- ALL LATCH COMPONENTS ARE RoHS COMPLIANT.
- LATCH INSTALLATION:
  - PREPARE A BURR FREE PANEL OPENING AS SHOWN.
  - INSTALL LATCH SUB-ASSEMBLY FROM THE FRONT SIDE OF THE PANEL AND HOLD IN PLACE.
  - SLIDE THE MOUNTING CUP ONTO THE HANDLE SHAFT.
  - SECURE THE CUP IN PLACE WITH THE THREE M4x0.7x12 SCREWS PROVIDED. MAX SCREW TORQUE 1.5 N-m.
  - PLACE THE ROTATION LIMITER ONTO THE HANDLE SHAFT. THE ROTATION LIMITER ALSO SETS THE ROTATION DIRECTION OF THE LATCH. TO FLIP ACTUATION DIRECTION, SIMPLY REMOVE THE ROTATION ACTUATION LIMITER FROM THE SHAFT, ROTATE IT 90°, AND PLACE BACK ONTO SHAFT.
  - PLACE SHAFT WAVE WASHER ONTO HANDLE SHAFT AGAINST THE TOP OF THE ROTATION LIMITER, FOLLOWED BY THE CAM, THEN THE ACTUATOR PLATE ASSEMBLY IF USED. SECURE EVERYTHING TO SHAFT USING M6x1x14 SCREW. MAX SCREW TORQUE 2.0 N-m.
  - CYCLE THE LATCH FROM OPEN TO CLOSE TO MAKE SURE EVERYTHING MOVES FREELY.
  - FOR TWO POINT LATCHING (NO CENTER LATCHING), A 'DUMMY CAM' MUST BE USED TO MAINTAIN PROPER ASSEMBLY SPACING.
  - IF USED WITH SOUTHCO A5-90-101-11 ADAPTER PLATE ASSEMBLY.
- COSMETIC SPECIFICATION: ALL POWDERCOATED AND CHROME PLATED SURFACES, UNLESS OTHERWISE NOTED, ARE TO CONFORM TO A CLASS "B" DESIGNATION. ALL OTHER SURFACES, UNLESS OTHERWISE NOTED, ARE TO CONFORM TO A CLASS "C" DESIGNATION AS DESCRIBED IN SOUTHCO COSMETIC SPECIFICATIONS:
  - S-121-01 FOR CHROME PLATING
  - S-121-02 FOR ZINC PLATING
  - S-121-04 FOR POWDER COATING
  - S-121-05 FOR STAINLESS STEEL PARTS

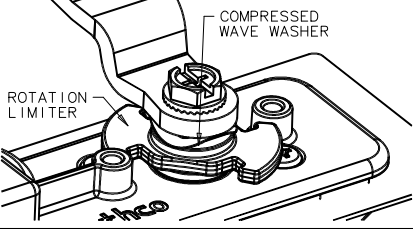
**H3-50-423-1XX**  
**333 DIN**



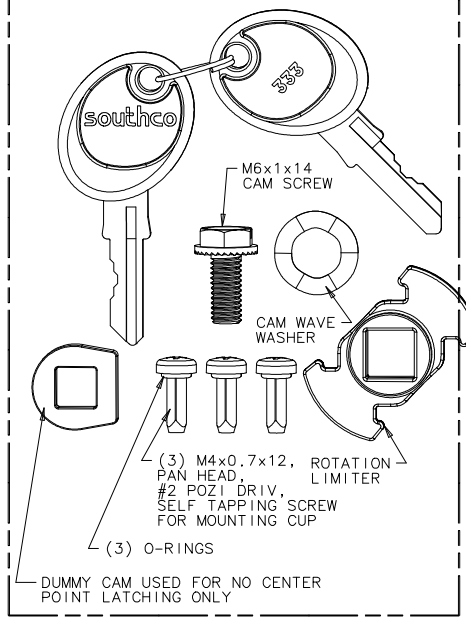
**H3-50-442-1XX**  
**BELLCORE/**  
**TELCORDIA 216**



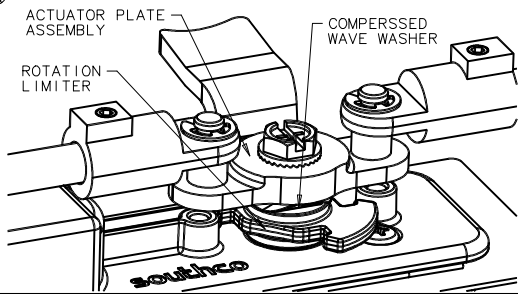
**PROPER CAM & LIMITER INSTALLATION FOR ROTATING HANDLE CCW TO OPEN**



**HARDWARE PACK**



**PROPER CAM, A5 ACTUATOR PLATE, & LIMITER INSTALLATION FOR ROTATING HANDLE CCW TO OPEN**



PADLOCK HASP