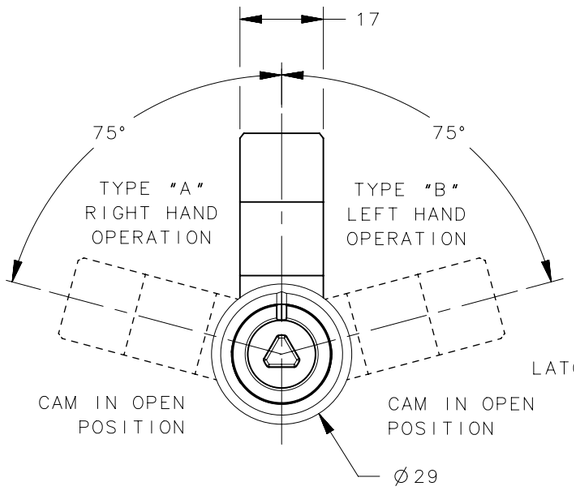
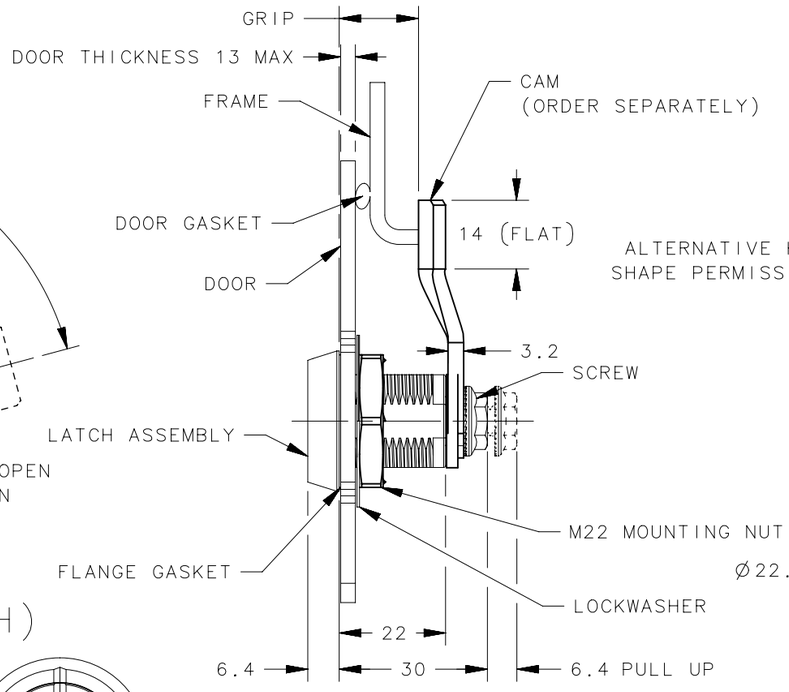
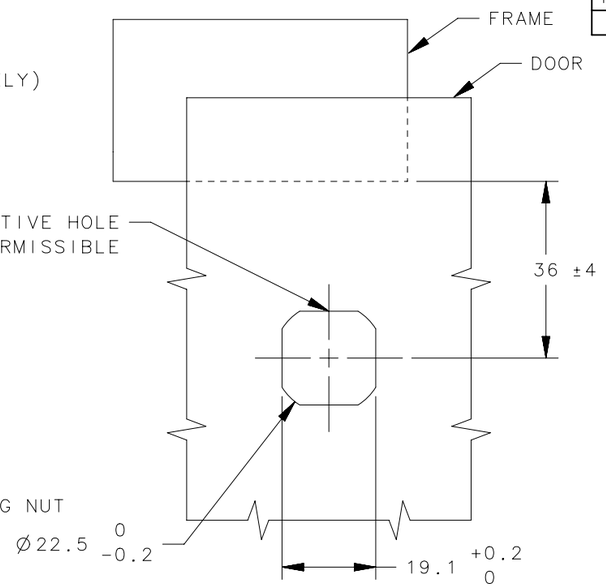
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
G	15NOV2021	SSW/MBT	PRN: P2021-2226







DOOR PREPARATION

ASSEMBLY PART NUMBER

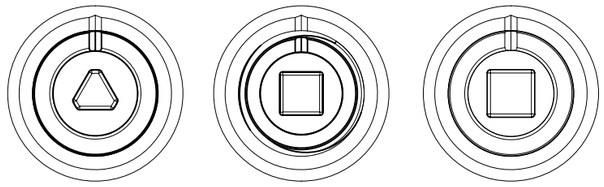
E3-C[R][H]-UU[F]

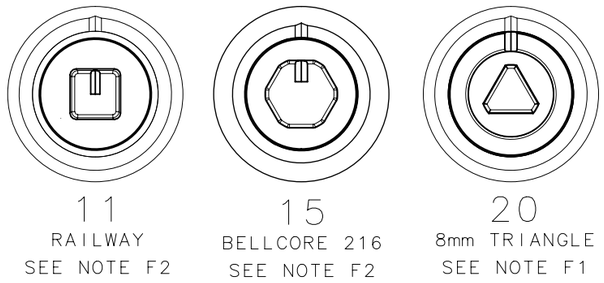
- F = FINISH
- UU = CAM TYPE (SEE CAM TABLE)
- H = HEAD STYLE
- R = ROTATION STYLE

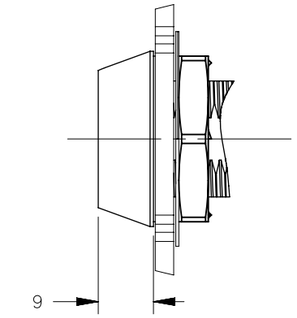
R=ROTATION STYLE:
12=TYPE A,TURN CLOCKWISE TO LATCH
29=TYPE B,TURN COUNTERCLOCKWISE TO LATCH

F=FINISH:
1=BRIGHT CHROMATE PLATE
5=BLACK POWDER COATING
7=SILVER POWDER COATING

HEAD STYLE (H)







ONLY FOR RAIL & BELLCORE

KEY TABLE (ORDER SEPARATELY FROM LATCH)	
HEAD STYLE	KEY PART NUMBER
7mm TRIANGLE	E3-3-1
7mm SQUARE	E3-4-1
8mm TRIANGLE	E3-7-1
8mm SQUARE	E3-8-1
BELLCORE 216	E3-12-1
RAILWAY	E3-14-1

CAM PART NUMBER TABLE (ORDER SEPARATELY FROM LATCH)			
TOTAL GRIP	CAM PART NUMBER	TOTAL GRIP	CAM PART NUMBER
4	E5-2500	24	E5-2510
6	E5-2501	26	E5-2511
8	E5-2502	28	E5-2512
10	E5-2503	30	E5-2513
12	E5-2504	32	E5-2514
14	E5-2505	34	E5-2515
16	E5-2506	36	E5-2516
18	E5-2507	38	E5-2517
20	E5-2508	40	E5-2518
22	E5-2509	42	E5-2519

NOTES:

A. OPERATION: 195° TURN OF DRIVER CAUSES CAM TO ROTATE THEN PULL UP AS SHOWN.
B. DETERMINE TOTAL GRIP BY ADDING MAX OUTER DOOR THICKNESS(INCLUDE ALL ACCESSORIES) PLUS COMPRESSED GASKETS AND FRAME THICKNESS.
C. INSTALLATION:
   1. INSERT LATCH INTO THE HOLE OF THE DOOR IN THE UNLATCHED POSITION. CHECK FOR PROPER ORIENTATION AND OPERATION OF CAM.
   2. INSTALL LOCKWASHER AND MOUNTING NUT ONTO HOUSING. RECOMMENDED TIGHTENING TORQUE FOR MOUNTING NUT IS 20 Nm.
   3. INSTALL CAM AND CAM MOUNTING SCREW. RECOMMENDED TORQUE IS 10 Nm.
D. CHOOSE CAM ACCORDING TO GRIP RANGE FROM THE CAM TABLE.
E. FOR ALTERNATIVE LATCH PACKAGING WITH CAM, SEE DRAWING J-E3-C-12-1A.
F. LATCH HEADSTYLE FITTING WITH KEY:
   1. KEY OD Ø13.3 MAX
   2. KEY OD Ø18 MAX

No.	PART NUMBER	TYPE OF COMPONENT	MATERIAL	FINISH
13	–	SCREW	LOW CARBON STEEL	ZINC PLATE BRIGHT CHROMATE
12	–	FLANGE GASKET	NEOPRENE	NATURAL
11	–	LOCK WASHER	SPRING STEEL	ZINC PLATE CHROMATE, PLUS SEALER
10	–	MOUNTING NUT	DIE CASTING ZINC	ACRYLIC LATEX SEALER
9	–	PIN	1008 STEEL	ZINC PLATE PLUS YELLOW CHROMATE
8	–	O-RING	BUNA-N	NATURAL
7	–	RETAINER	302 SS	NATURAL
6	–	SPRING	MUSIC WIRE	ZINC PLATE PLUS BRIGHT CHROMATE
5	–	SHAFT	LOW CARBON STEEL	ZINC PLATE CHROMATE, PLUS SEALER
4	–	SLEEVE	1075 STEEL	ZINC IMMERSION COATING
3	–	CAM	1075 STEEL	ZINC IMMERSION COATING
2	–	CAP	DIE CASTING ZINC	SEE FINISH TABLE
1	–	HOUSING	DIE CASTING ZINC	SEE FINISH TABLE
–	E3-CRH-UUF	ASSEMBLY	–	–

PROPRIETARY ITEM
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THIRD ANGLE PROJECTION

MILLIMETERS [IN]

TOLERANCES UNLESS OTHERWISE NOTED

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

PER ASME Y14.5M-1994

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CONNECT·CREATE·INNOVATE

DESCRIPTION
ZINC COMPACT E3 LATCH
VISE ACTION SERIES FIXED GRIP

SIZE	SYSTEM	DWG NO.
A3	NX	J-E3-C-12-1

DRAWN BY	DATE	SCALE	SHEET
CL/BX	30JUL2015	1:1	1 OF 1