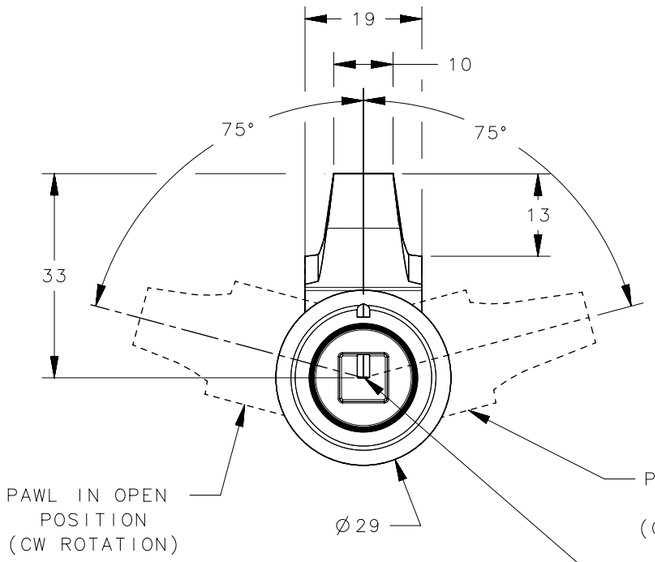
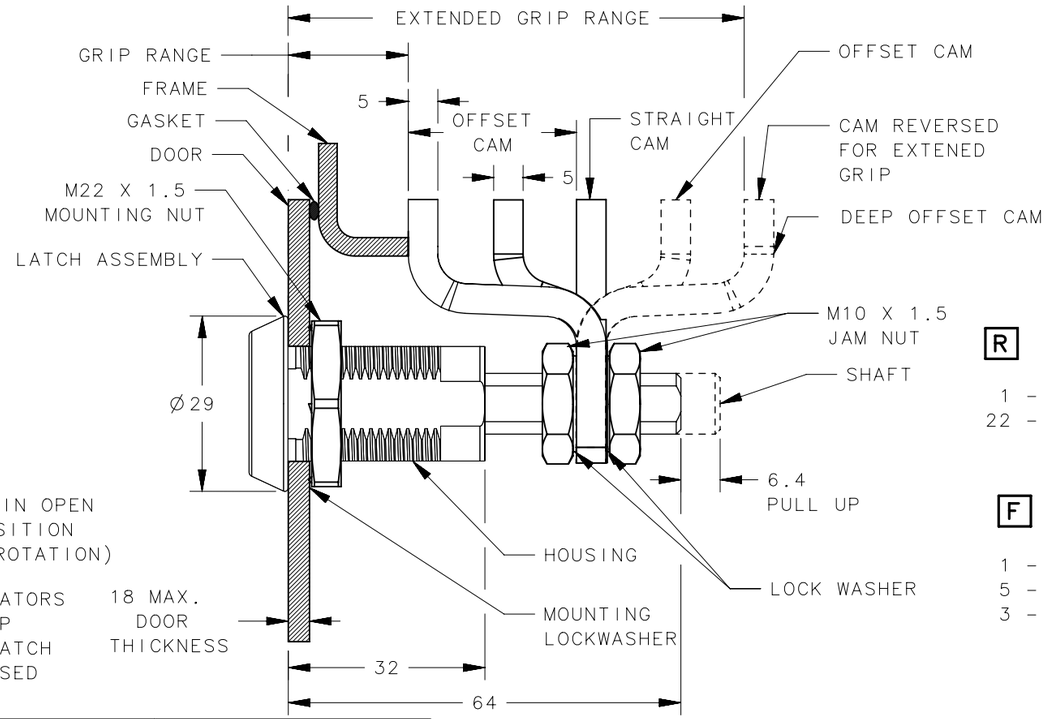
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	13NOV2024	PBJ/VK	PRN: P2024-1900



E3-110-25 SHOWN



STANDARD PART NUMBER

E3 - [R] [H] - [G] [F]

[R] - ROTATION

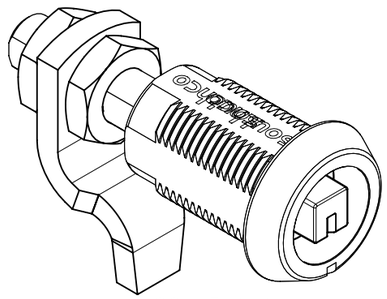
1 - CLOCKWISE (TYPE A)
22 - COUNTER CLOCKWISE (TYPE B)

[G] - GRIP

1 - DEEP OFFSET CAM
2 - OFFSET CAM
3 - STRAIGHT CAM

[F] - FINISH

1 - CHROME PLATED
5 - BLACK POWDER COATED
3 - SILVER POWDER COATED



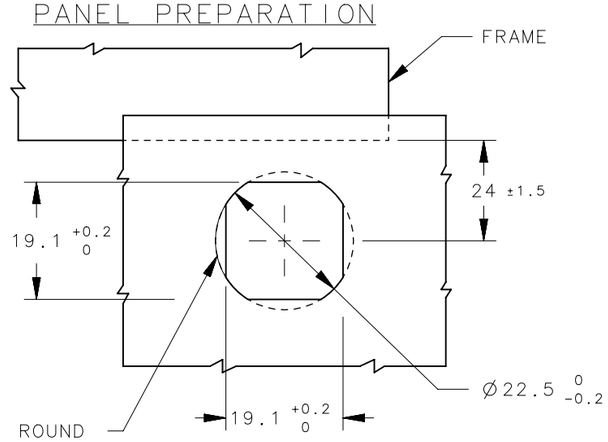
SCALE 1:1

DRIVER	KEY PART NUMBER
3mm DOUBLE-BIT	E3-2-1
7mm TRIANGLE	E3-3-1
7mm SQUARE	E3-4-1
TUBULAR KEY	E3-5-15
8mm HEX RECESS	NOT SUPPLIED BY SOUTHCO
BELLCORE 216	E3-12-1
3mm SLOTTED RECESS	NOT SUPPLIED BY SOUTHCO
8mm SQUARE	E3-8-1
RAILWAY STANDARD	E3-14-1
KEYS TO BE ORDERED SEPARATELY	

NOTES:

1. OPERATION: 195° TURN OF DRIVER CAUSES CAM TO ROTATE THEN PULL UP 6.4mm.
2. CAM, NUTS AND LOCKWASHER SHIPPED UNASSEMBLED IN BAG WITH LATCH ASSEMBLY.
3. INSTALLATION:
   A. INSERT LATCH INTO THE HOLE IN THE DOOR IN THE UNLATCHED POSITION. CHECK FOR PROPER ORIENTATION AND OPERATION OF CAM.
   B. INSTALL LOCKWASHER AND MOUNTING NUT (27mm ACROSS FLATS) MAX TIGHTENING TORQUE 20 N/m
   C. PLACE THE JAM NUTS, LOCKWASHERS AND CAM ONTO THE SHAFT. WITH LATCH IN CLOSED POSITION, ADJUST JAM NUTS TO POSITION PAWL AT CORRECT GRIP, MAX TIGHTEN TORQUE 20 Nm.
   D. CAUTION: ADJUST CAM SO THAT NO MORE THAN 7.9Nm TORQUE ON KEY IS REQUIRED TO CLOSE LATCH.
4. FOR SEALED APPLICATIONS USE OPTIONAL FLANGE GASKET E5-17 (ORDER SEPARATELY).

PANEL PREPARATION



CAM PART NUMBER AND GRIP RANGE			
GRIP STYLE	DEEP OFFSET CAM	OFFSET CAM	STRAIGHT CAM
CAM ORIENTATION - FORWARD	11.4 - 27.2	25.4 - 41.1	38.9 - 54.6
CAM ORIENTATION - REVERSE	66.3 - 76.2	52.6 - 68.3	

QTY	TYPE OF COMPONENT	MATERIAL	FINISH	USED IN
1	KNOB	ZINC ALLOY	SEE FINISH TABLE	KNOB OPERATED HEAD STYLES ONLY
1	KEYS	BRASS	NATURAL	LOCKING T- HANDLE STYLE ONLY
1	LOCK ASSEMBLY	ZINC ALLOY AND BRASS	SEE FINISH TABLE	LOCKING T- HANDLE STYLE ONLY
1	BUSHING	ALUMINUM	SEE FINISH TABLE	TUBULER KEY DRIVE HEAD STYLE ONLY
1	HANDLE	ZINC ALLOY	SEE FINISH TABLE	ALL T-HANDLE STYLES
1	CAP	ZINC ALLOY	SEE FINISH TABLE	ALL EXCEPT KNOB OPERATED AND T- HANDLE HEAD STYLES
1	HOUSING	ZINC ALLOY	SEE FINISH TABLE	ALL
1	RETAINER	STAINLESS STEEL	NATURAL	ALL
1	SPRING	STAINLESS STEEL	NATURAL	ALL
1	O RING	RUBBER	NATURAL	ALL
1	SLEEVE	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL
1	INTERNAL CAM	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL
1	SHAFT	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL
1	PIN	STEEL	ZINC PLATE, PLUS CHROMATE DIP, YELLOW	ALL
1	CAM	STEEL	ZINC PLATE, CHROMATE PLUS SEALER	ALL
2	JAM NUTS	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL
2	LOCKWASHER	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL
1	MOUNTING NUT	ZINC ALLOY	ZINC CHROMATE COATING PLUS SEALER	ALL
1	MOUNTING LOCKWASHER	STEEL	ZINC CHROMATE COATING PLUS SEALER	ALL

CPB NUMBER: STANDARD
SURFACE AREA
VOLUME
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-2009

southco®
CONNECT·CREATE·INNOVATE

DESCRIPTION: E3 VISE-ACTION LATCH ZINC, ADJUSTABLE GRIP

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

DRAWN BY	DATE	SCALE	SHEET
SBK	09JUN2023	1:1	1 OF 2

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	13NOV2024	PBJ/VK	PRN: P2024-1900

H - HEAD STYLE

TOOL OPERATED STYLE

2



3mm DOUBLE BIT

3



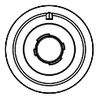
7mm TRIANGLE

4



7mm SQUARE

5



SOUTHCO TUBULAR KEY

6



8mm HEX RECESS

9



SLOTTED RECESS

10



8mm SQUARE DRIVER

11



RAILWAY STANDARD

15



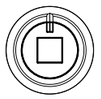
BELLCORE 216

16



BELLCORE ELECTRONICS

19



8mm SQUARE

20



8mm TRIANGLE

48



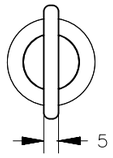
5mm DOUBLE BIT

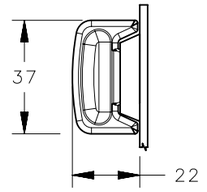
STANDARD KNOB STYLE

7



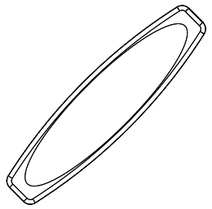
STANDARD KNOB





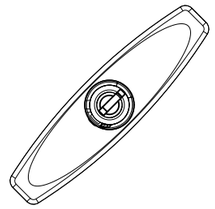
T - HANDLE STYLE

1

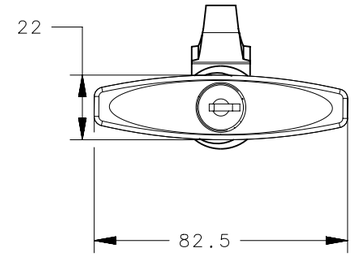


T-HANDLE,
NON-LOCKING

8

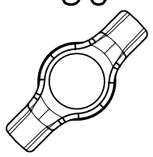


T-HANDLE,
KEY-LOCKING



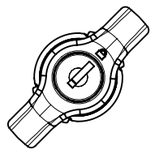
WING KNOB STYLE

50



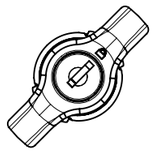
WING KNOB,
KEY-LOCKING

51



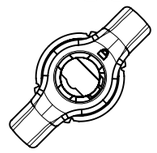
WING KNOB,
KEY-LOCKING
KEYES CH751

58

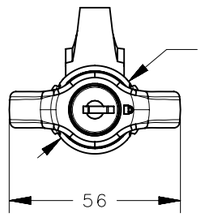


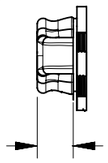
WING KNOB,
KEY-LOCKING
SHUTTERED,
KEYES R001

59



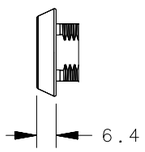
WING KNOB,
WITHOUT LOCKCORE

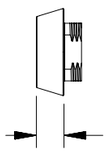




NOTES:

5. ALL TOOL OPERATED HEAD STYLES ARE 6.4 THICK, EXCEPT RAILWAY STANDARD AND BELLCORE 216 ARE 9 THICK.





BELLCORE 216 AND
RAILWAY STANDARD

CPB NUMBER: STANDARD	THIRD ANGLE PROJECTION	southco® CONNECT·CREATE·INNOVATE
	MILLIMETERS [IN]	DESCRIPTION: E3 VISE-ACTION LATCH ZINC, ADJUSTABLE GRIP
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED: ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	SIZE: A3 / SYSTEM: NX / DWG NO.: J-E3-1
VOLUME		DRAWN BY: SBK / DATE: 09JUN2023 / SCALE: 1:2 / SHEET: 2 OF 2
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