Southco® Pawl/Cam Action Latches
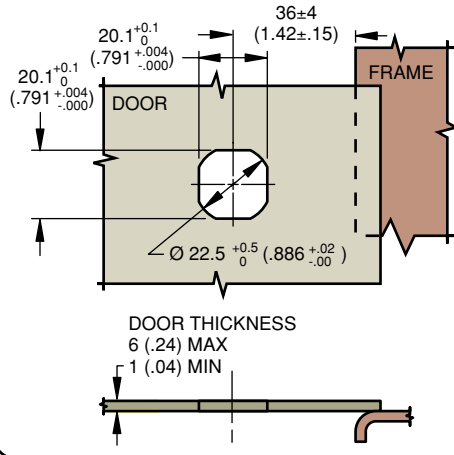
Industrial Series, Quad Panel Latches

- **Keylocking version includes dust shutter and stainless steel lock cover for scratch resistance**
- **Tool-operated versions are spring-loaded for grip tolerance and vibration resistance**
- **Sealed to accommodate NEMA 4 and IP-66 applications**
- **Pawl indicator shows latch status**

Keylocking Now Available

Panel Preparation

Ø 28 (1.10)
19 (.75)
23 (.91)

6 (.24) KEYLOCKING
5 (.20) TOOL OPERATED
0.5 (.02) SEALING WASHER
GRIP
27 (1.06)
4 (.16)
45 (1.77)
PAWL

20.1 $^{+0.1}_{0}$ (.791 $^{+.004}_{-.000}$)
20.1 $^{+0.1}_{0}$ (.791 $^{+.004}_{-.000}$)
36±4 (1.42±.15)
FRAME
DOOR
Ø 22.5 $^{+0.5}_{0}$ (.886 $^{+.02}_{-.00}$)
DOOR THICKNESS 6 (.24) MAX
1 (.04) MIN

Material and Finish

DRIVE STUD and HOUSING: (Chrome) Die-cast zinc, chrome plated or (Black) Die-cast zinc, black powder coated. PAWL and SCREW: Low carbon steel, zinc plate, bright chromate. MOUNTING NUT: Die-cast zinc, zinc plate, bright chromate. SEALING WASHER: Polyurethane, black. INTERNAL O-RING: Nitrile, black. INTERNAL SPRING: Spring steel, zinc plate, bright chromate.

Keylocking
LOCK PLUG: Die-cast zinc; Stainless steel cover and nickel plated brass dust shutter.
LOCK WAFERS: Brass
FLAT KEY: Brass, nickel plated.

Product Strength Guidelines
(To assist in your product selection; samples are available for your evaluation.)

Maximum static working load on pawl: 330 N (74 lbs.)
Average ultimate load on pawl: 450 N (101 lbs.)

millimeter (inch)
Dimensions without tolerances are for reference only.

Installation

Method 1 (assembled)

1. Place Sealing Washer onto Latch Housing.
2. Tilt latch through mounting hole.
3. Install Mounting Nut and tighten to 10 N•m (88.5 in-lbs.) MAX.

SEALING WASHER
LATCH ASSEMBLY
SERRATIONS
MOUNTING NUT

Method 2 (unassembled)

Required when Grip does not exceed panel thickness by 9 (.35)

1. Remove Screw from Housing.
2. Place Sealing Washer onto Latch Housing and place through mounting hole.
3. Install Mounting Nut and tighten to 10 N•m (88.5 in-lbs.) MAX.
4. Attach Pawl to Latch Assembly. Assure that Pawl Indicator points to Pawl location.
5. Install Screw. Tighten to 10 N•m (88.5 in-lbs.) using 10mm hex, No. 2 Phillips or slotted driver.

HOUSING
SCREW
PAWL
SEALING WASHER
SERRATIONS

DOOR
DRIVE STUD
PAWL INDICATOR
SEALING WASHER
MOUNTING NUT
SCREW
PAWL
INTERNAL O-RING
INTERNAL SPRING (tool operated only)
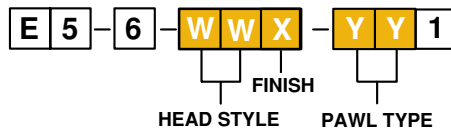
Southco® Pawl/Cam Action Latches

Industrial Series, Quad Panel Latches
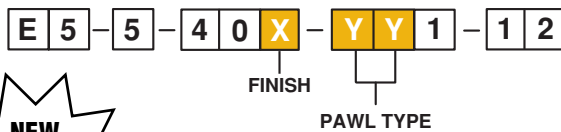
How to order:

Product is shipped assembled, layered packed. Sealing Washer and Mounting Nut are included. Alternatively, pawls can be ordered separately.

1. Select a Head Style (see table below).

2. Select a Finish:

    X = 5 Standard Black Finish

    X = 2 Bright Chrome Finish

3. Calculate your Grip

A. Determine your Total Door Thickness, adding any accessories used:
- Compressed Sealing Washer (required for NEMA 4/IP-66 applications). **Add 0.5 (.02)**
- Pull Tab. **Add 2.4 (.093)**
- Padlock Bracket. **Add 2 (.08)**

B. Add your frame thickness to your total door thickness (see illustration on pg. 1). Find your grip in the pawl table below, and use that pawl type for the **YY** in the assembly part number. For unassembled version use the letters **"UU"** for the pawl type and order pawl separate per table below.

Accessories for Quad Latches. See Handbook page 85.

Overmolded Key (Optional)
Order Separately.
(shown PK-10-10-05)

Custom Logo Capabilities

Keys (tool operated)
Material and Finish
Die-cast zinc, bright nickel plate or natural with chemical protective film. (Key E3-8-1 shown)

55 (2.2)

56 (2.2)

Order Separately.

Tool operated

E 5 – 6 – **W W X** – **Y Y** 1

HEAD STYLE — FINISH
PAWL TYPE

Keylocking

E 5 – 5 – 4 0 **X** – **Y Y** 1 – 1 2

FINISH
PAWL TYPE

NEW Head Styles Available

ASSEMBLY PART NUMBERS
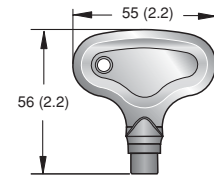
HEAD STYLES	NEW KEYLOCK	NEW SLOT	8 (.32) HEX SOCKET	7 (.28) TRIANGLE	NEW 7 (.28) SQUARE	8 (.32) SQUARE	3 (.11) DOUBLE BIT	5 (.19) DOUBLE BIT	Bellcore 216	NEW Bellcore Electronics	RECESSED SLOT (tamper resistant)	RAILWAY STANDARD
WW=	40	00	01	02	04	05	06	07	13	19	21	22
KEY PART NO.	†		8mm (.312) Hex Wrench*	E3-3-1	E3-4-1	E3-8-1	E3-2-1	E3-9-1	E3-12-1	E3-11-1		Operated by RIC Standard* (European Railway)

*not available from Southco † keylocking version includes 2 keys on ring, other key options available. Call Southco for details.

PAWL TYPE PART NUMBERS

Pawl Type	YY= 03	YY= 04	YY= 05	YY= 06	YY= 07	YY= 08	YY= 09	YY= 10	YY= 11	YY= 12	YY= 13	YY= 14	YY= 15
Grip +2 (.08) -0 (.00)	4 (.16)	6 (.24)	8 (.31)	10 (.39)	12 (.47)	14 (.55)	16 (.63)	18 (.71)	20 (.79)	22 (.87)	24 (.94)	26 (1.02)	28 (1.10)
Pawl Offset	14 (.55)	12 (.47)	10 (.39)	8 (.31)	6 (.24)	4 (.16)	2 (.08)	0 (0)	2 (.08)	4 (.16)	6 (.24)	8 (.31)	10 (.39)
PART NUMBER	E5-6003	E5-6004	E5-6005	E5-6006	E5-6007	E5-6008	E5-6009	E5-6010	E5-6011	E5-6012	E5-6013	E5-6014	E5-6015