

Fire Exit Hardware Selector



FIRE EXIT HARDWARE RATING			UL DOOR RATING
APPLICATION	MODEL #	MAXIMUM DOOR OPENING	(A) 3 HOUR
SINGLE DOORS Rim type	F7700EO36 F7720EO48	4'0" X 8'0"	✓
PAIRS OF DOORS Two surface mounted standard vertical rod type or less bottom rod (LBR) application. Prefix LBR before Part # a) Swinging in same direction b) Swinging in opposite direction (double egress)	F7760V3684 X F7760V3684	8'0" X 7'2"	✓
	F7790V3696 X F7790V3696 F7780V4896 X F7780V4896	8'0" X 8'0"	✓
PAIRS OF DOORS Two rim type with Mullion	F7700EO36 F7720EO48	8'0" X 8'0"	✓

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour.
All fire exit hardware meet UL10C and UBC 7-2-1997 codes.

HOW TO ORDER INFORMATION

Exit device model number

Panic grade

7700 EO36 Rim type 36" door
7720 EO48 Rim type 48" door
7760 V3684 Vertical rod type 36" x 84"
7790 V3696 Vertical rod type 36" x 96"
7780 V4896 Vertical rod type 48" x 96"
VRRD10 – Rod for 10' non-rated door
7750 V36120 Vertical rod type 36" x 120"
7740 V48120 Vertical rod type 48" x 120"

Fire grade

F7700 EO36 Rim type 36" door
F7720 EO48 Rim type 48" door
F7760 V3684 Vertical rod type 36" x 84"
F7790 V3696 Vertical rod type 36" x 96"
F7780 V4896 Vertical rod type 48" x 96"
F7750 V36120 Vertical rod type 36" x 120"
F7740 V48120 Vertical rod type 48" x 120"

- 1) Specify exit device model number according to size of door.
- 2) Specify trim selection. For Interchangeable Core prefix "IC" before Part #. See trim selection pages.
- 3) For vertical rod devices specify LHR (Left Hand Reverse) or RHR (Right Hand Reverse) for convenience easily field reversible, otherwise shipped as LHR.
- 4) Specify finish:
US10B, 32D. See Page 7
- 5) On thru-bolt applications, fire rated vertical rod devices are packed with thru-bolts as standard feature. Thru-bolts are also available for other devices. To order thru-bolts add "SBN" to trim pack.

When ordering separately use following Part #

Cal-Royal Part # 357 — Thru-bolts for rim devices, 6 pcs / pack.
Cal-Royal Part # 369 — Thru-bolts for vertical rod devices, 14 pcs / pack.
Cal-Royal Part # 363 — Thru-bolts for rim devices, 6 pcs / pack for 2 ¼" thick doors.
Cal-Royal Part # 375 — Thru-bolts for vertical rod devices, 14 pcs / pack for 2 ¼" thick doors.

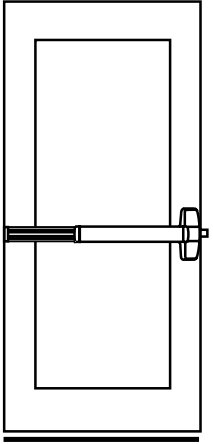
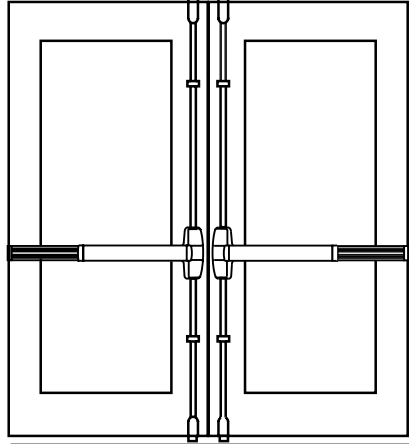
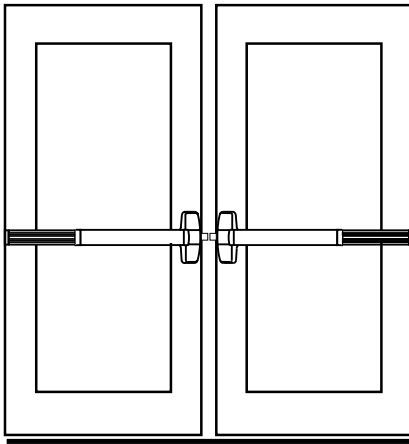
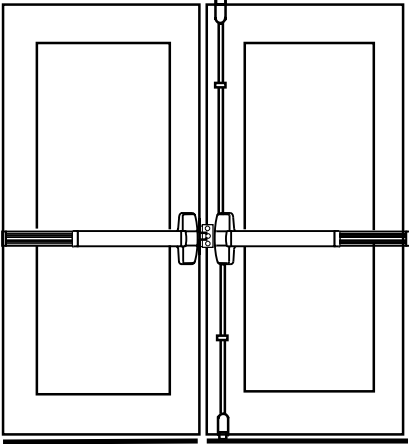
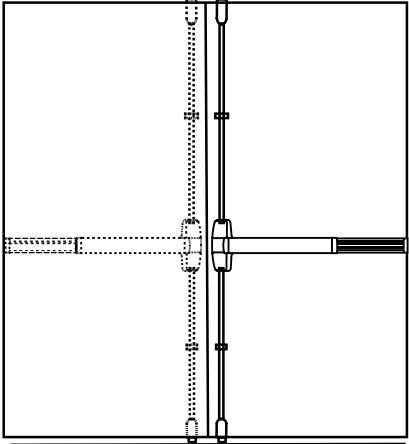
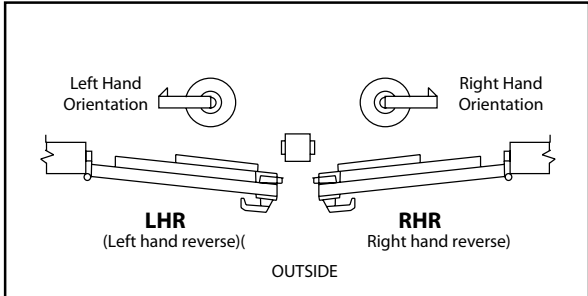
Ordering example: 7700EO36 ALUM X SBN X ENT00L 26D
F7780V4896 10B X ICSTR05L 10B

7700 Series

Fire and Non-Fire Exit Devices

ANSI A156.3 Grade 1 Selector Chart



SINGLE DOOR  Vertical rod type or Rim type Surface applied 2 point lock. Surface application	PAIR OF DOORS WITHOUT MULLION  2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.
PAIR OF DOORS WITH MULLION  2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.	PAIR OF DOORS WITHOUT MULLION  1 Vertical rod and 1 Rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.
PAIR OF DOORS WITHOUT MULLION  2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.	HANDING  Left Hand Orientation Right Hand Orientation LHR (Left hand reverse) RHR (Right hand reverse) OUTSIDE CAL-ROYAL PRODUCTS, INC. 6605 FLOTILLA ST., COMMERCE, CA 90040 U.S.A. TEL: (323) 888-6601 FAX: (323) 888-6699 Website: cal-royal.com * Email: sales@cal-royal.com

Exit Devices Comparison Chart

RIM EXIT DEVICE CONVERSIONS	RIM	VERTICAL ROD	RIM	VERTICAL ROD	CONCEALED VERTICAL ROD	MORTISE RIM	NARROW STILE RIM	NARROW STILE CVR
ARROW	S1200	S1100	S3800 / 1800	S3700	S3600	S3900	S4803	S4601
CAL-ROYAL	9800 / 7700	9860 / 7760	2200 / 4400	2260	MCVR9800 / WCVR9800 / MCVR7700 / WCVR7700	MR9800 / MR7700	GLS9800 / GLS7700	GLSCVR9800 / GLSCVR7700
CORBIN / RUSSWIN	ED8200	ED8400	ED5400 / ED6000	ED4750	ED5800	ED5600	ED4200	ED4800
DETEX	V4000	---	10	20	70	30	V40NS	60
DORMA	8300	8400	9300	9400	9100	9500	AD4300	AD4100
PRECISION	5100	5200	2100 / 100	9800 / 200	2800	2300	2400	2600
SARGENT	2828	2727	8800 / 9898	8700	MD8600 / WD8600	8900	AD8500	AD8410
VON DUPRIN	98 / 99	9827 / 9927	98	9827	9947EO	9975EO	33A	3348
YALE	2100	2110	7100 / 1500	7110 / 1510	7120	7130	7250	7220



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Fire Exit Hardware Selector



FIRE EXIT HARDWARE RATING			UL DOOR RATING
APPLICATION	MODEL #	MAXIMUM DOOR OPENING	(A) 3 HOUR
SINGLE DOORS Rim type	F9800EO36 F9820EO48	4'0" X 8'0"	✓
PAIRS OF DOORS Two surface mounted standard vertical rod type or less bottom rod (LBR) application. Prefix LBR before Part # a) Swinging in same direction b) Swinging in opposite direction (double egress)	F9860V3684 X F9860V3684	8'0" X 7'2"	✓
	F9890V3696 X F9890V3696 F9880V4896 X F9880V4896	8'0" X 8'0"	✓
PAIRS OF DOORS Two rim type with Mullion	F9800EO36 F9820EO48	8'0" X 8'0"	✓

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour.

All fire exit hardware meet UL10C and UBC 7-2-1997 codes.

Includes ADA Series.

HOW TO ORDER INFORMATION

Exit device model number

Panic grade

9800 EO36 Rim type 36" door
9820 EO48 Rim type 48" door
9860 V3684 Vertical rod type 36" x 84"
9890 V3696 Vertical rod type 36" x 96"
9880 V4896 Vertical rod type 48" x 96"
VRRD10 – Rod for 10' non-rated door
9850 V36120 Vertical rod type 36" x 120"
9840 V48120 Vertical rod type 48" x 120"

Fire grade

F9800 EO36 Rim type 36" door
F9820 EO48 Rim type 48" door
F9860 V3684 Vertical rod type 36" x 84"
F9890 V3696 Vertical rod type 36" x 96"
F9880 V4896 Vertical rod type 48" x 96"
F9850 V36120 Vertical rod type 36" x 120"
F9840 V48120 Vertical rod type 48" x 120"

- 1) Specify exit device model number according to size of door.
- 2) Specify ADA option if needed.
- 2) Specify trim selection. For interchangeable core prefix "IC" before Part #. See trim selection pages.
- 3) For vertical rod devices specify LHR (Left Hand Reverse) or RHR (Right Hand Reverse) for convenience easily field reversible, otherwise shipped as LHR.
- 4) Specify finish:
US10B, 32D. See Page 33
- 5) On thru-bolt applications, fire rated vertical rod devices are packed with thru-bolts as standard feature. Thru-bolts are also available for other devices. To order thru-bolts add "SBN" to trim pack.

When ordering separately use following Part #

Cal-Royal Part # 357 — Thru-bolts for rim devices, 6 pcs / pack.
Cal-Royal Part # 369 — Thru-bolts for vertical rod devices, 14 pcs / pack.
Cal-Royal Part # 363 — Thru-bolts for rim devices, 6 pcs / pack for 2 ¼" thick doors.
Cal-Royal Part # 375 — Thru-bolts for vertical rod devices, 14 pcs / pack for 2 ¼" thick doors.

Ordering example: 9800EO36 ALUM X SBN X ENT00L 26D
F9880V4896 10B X ICSTR05L 10B

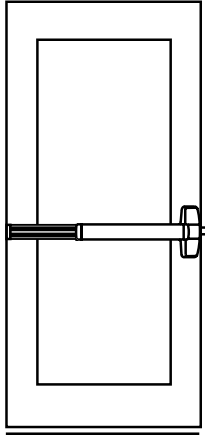
9800 Series

Fire and Non-Fire Exit Devices

ANSI A156.3 Grade 1 Selector Chart

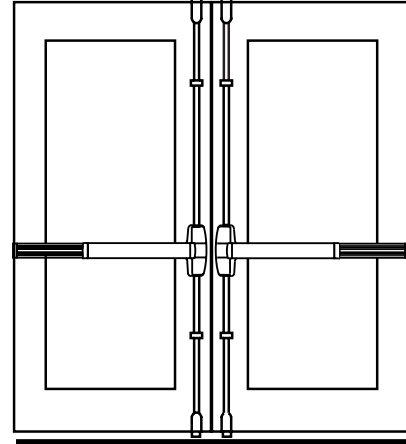


SINGLE DOOR



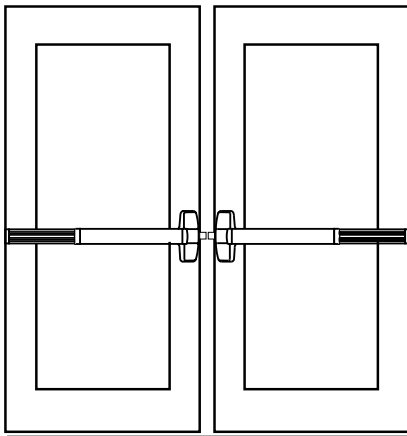
Vertical rod type or Rim type Surface applied 2 point lock. Surface application.

PAIR OF DOORS WITHOUT MULLION



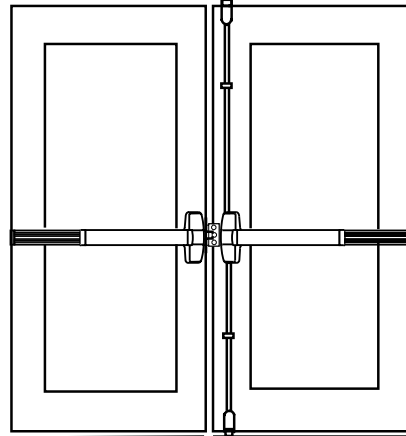
2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.

PAIR OF DOORS WITH MULLION



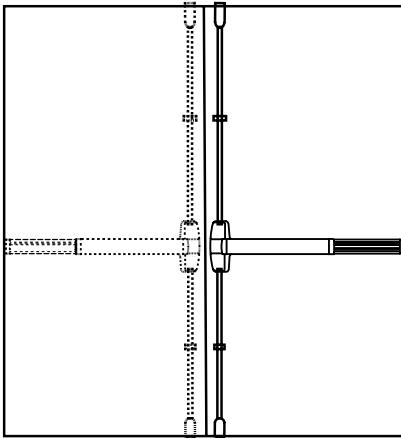
2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.

PAIR OF DOORS WITHOUT MULLION



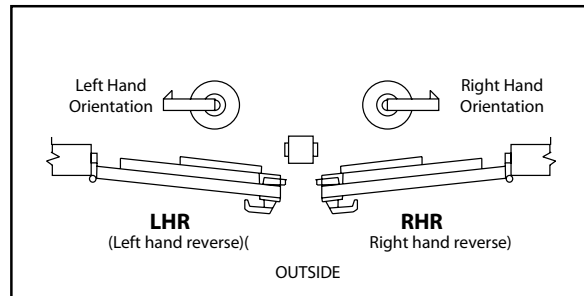
1 Vertical rod and 1 rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.

PAIR OF DOORS WITHOUT MULLION



2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.

HANDING



CAL-ROYAL PRODUCTS, INC.

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Exit Devices Comparison Chart



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ARROW	S1200	S1100	S3800 / 1800	S3700	S3600	S3900	S4803	S4601
CAL-ROYAL	9800 / 7700	9860 / 7760	2200 / 4400	2260	MCVR9800 / WCVR9800 / MCVR7700 / WCVR7700	MR9800 / MR7700	GLS9800 / GLS7700	GLSCVR9800 / GLSCVR7700
CORBIN/RUSSWIN	ED8200	ED8400	ED5400 / ED6000	ED4750	ED5800	ED5600	ED4200	ED4800
DETEX	V4000	---	10	20	70	30	V40NS	60
DORMA	8300	8400	9300	9400	9100	9500	AD4300	AD4100
PRECISION	5100	5200	2100 / 100	9800 / 200	2800	2300	2400	2600
SARGENT	2828	2727	8800 / 9898	8700	MD8600 / WD8600	8900	AD8500	AD8410
VON DUPRIN	98 / 99	9827 / 9927	98	9827	9947EO	9975EO	33A	3348
YALE	2100	2110	7100 / 1500	7110 / 1510	7120	7130	7250	7220



Fire Exit Hardware Selector



FIRE EXIT HARDWARE RATING			UL DOOR RATING
APPLICATION	MODEL #	MAXIMUM DOOR OPENING	(A) 3 HOUR
SINGLE DOORS Rim type	F2200EO36 F2220EO48	4'0" X 8'0"	✓
PAIRS OF DOORS Two surface mounted standard vertical rod type or less bottom rod (LBR) application. Prefix LBR before Part # a) Swinging in same direction b) Swinging in opposite direction (double egress)	F2260V3684 X F2260V3684	8'0" X 7'2"	✓
	F2290V3696 X F2290V3696 F2280V4896 X F2280V4896	8'0" X 8'0"	✓
PAIRS OF DOORS Two rim type with Mullion	F2200EO36 F2220EO48	8'0" X 8'0"	✓

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour.

All fire exit hardware meet UL10C and UBC 7-2-1997 codes.

Includes ADA Series.

HOW TO ORDER INFORMATION

Exit device model number

Panic grade

2200 EO36 Rim type 36" door
2220 EO48 Rim type 48" door
2260 V3684 Vertical rod type 36" x 84"
2290 V3696 Vertical rod type 36" x 96"
2280 V4896 Vertical rod type 48" x 96"
VRRD10 – Rod for 10' non-rated door
2250 V36120 Vertical rod type 36" x 120"
2240 V48120 Vertical rod type 48" x 120"

- 1) Specify exit device model number according to size of door.
- 2) Specify ADA option if needed.
- 3) Specify trim selection. For interchangeable core prefix "IC" before part #.
- 4) For vertical rod devices specify LHR (Left Hand Reverse) or RHR (Right Hand Reverse) for convenience easily field reversible, otherwise shipped as LHR.
- 5) Specify finish:
Alum - Powder coated to match US26D
Duro - Powder coated to match US10B
Gold - Powder coated to match US4, US3
- 6) On thru bolt applications, fire rated vertical rod devices are packed with thru-bolts as standard feature. Thru-bolts are also available for other devices. To order thru-bolts add "SBN" to trim pack.

Fire grade

F2200 EO36 Rim type 36" door
F2220 EO48 Rim type 48" door
F2260 V3684 Vertical rod type 36" x 84"
F2290 V3696 Vertical rod type 36" x 96"
F2280 V4896 Vertical rod type 48" x 96"

When ordering separately use following part #

Cal-Royal Part # 357 — Thru-bolts for rim devices, 6 pcs / pack.

Cal-Royal Part # 369 — Thru-bolts for vertical rod devices, 14 pcs / pack.

Cal-Royal Part # 363 — Thru-bolts for rim devices, 6 pcs / pack for 2 ¼" thick doors.

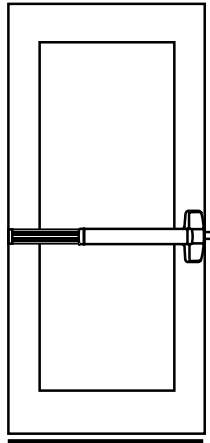
Cal-Royal Part # 375 — Thru-bolts for vertical rod devices, 14 pcs / pack for 2 ¼" thick doors.

Ordering example: 2200EO36 ALUM X SBN X ENT00L 26D
F2280V4896 DURO X ICSTR05L 10B

2200 & F2200 Rim Type and Fire Exit Devices 2260V & F2260V Vertical Rod Fire Exit Devices ANSI A156.3 Grade 1 Selector Chart

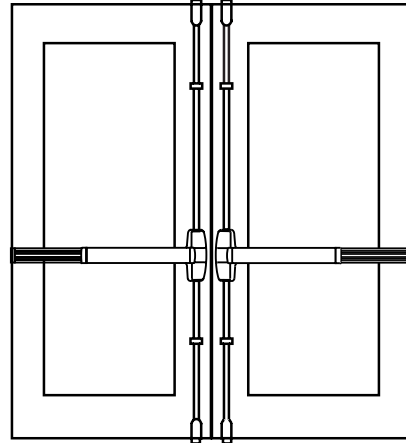


SINGLE DOOR



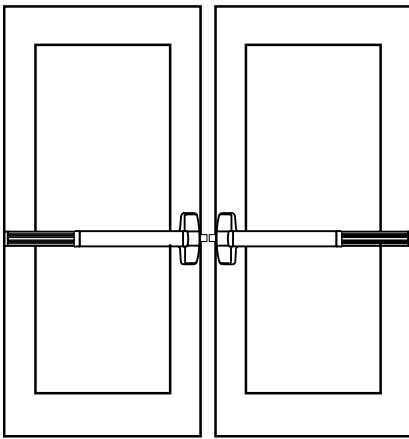
Vertical rod type or Rim type Surface applied 2 point lock. Surface application.

PAIR OF DOORS WITHOUT MULLION



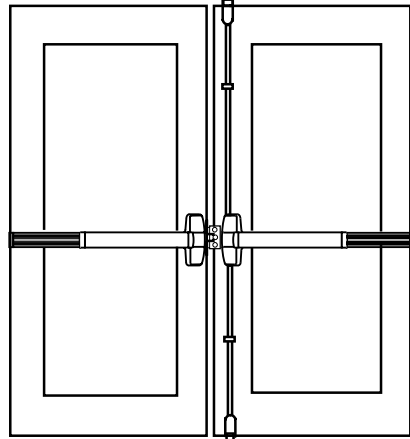
2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.

PAIR OF DOORS WITH MULLION



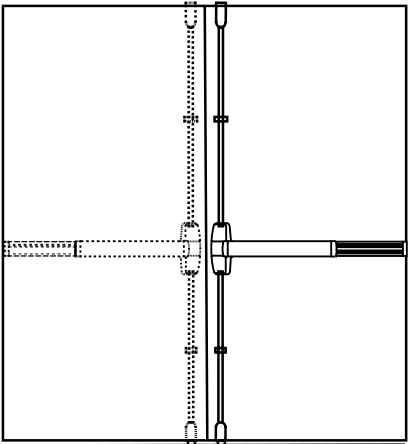
2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.

PAIR OF DOORS WITHOUT MULLION



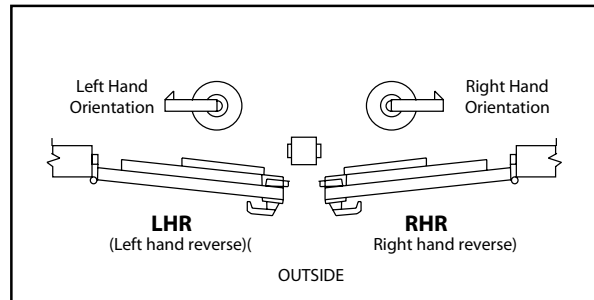
1 Vertical rod and 1 rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.

PAIR OF DOORS WITHOUT MULLION



2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.

HANDING



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Exit Devices Comparison Chart



RIM EXIT DEVICE CONVERSIONS	RIM	VERTICAL ROD	RIM	VERTICAL ROD
ARROW	S1200	S1100	S3800	S3700
CAL-ROYAL	2200	2260	9800	9860
CORBIN/RUSSWIN	ED8200	ED8400	ED5400	ED4750
DORMA	8300	8400	9300	9400
PRECISION	5100	5200	2100	2200
SARGENT	2828	2727	8800	8700
VON DUPRIN	22	2227	98	9827
YALE	2100	2110	7100	7110

RIM EXIT DEVICE CONVERSIONS	RIM	VERTICAL ROD	RIM	VERTICAL ROD
ARROW	---	---	1800	---
CAL-ROYAL	7700	7760	4400	---
CORBIN/RUSSWIN	---	---	ED6000	---
DETEX	---	---	---	---
DORMA	---	---	---	---
PRECISION	---	---	100	200
SARGENT	---	---	9898	---
VON DUPRIN	99	9927	---	---
YALE	---	---	1500	1510



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Fire Exit Hardware Selector



FIRE EXIT HARDWARE RATING			UL FIRE DOOR RATING
APPLICATION	MODEL #	MAXIMUM DOOR OPENING	(A) 3 HOUR
SINGLE DOORS Rim type	TF5000EO36	3'0" X 7'0"	✓
PAIRS OF DOORS Two surface mounted standard vertical rod type a) Swinging in same direction b) Swinging in opposite direction (double egress)	TF5000V3684 X TF5000V3684	6'0" X 7'0"	✓
	TF5000V3684 X TF5000V3684	6'0" X 7'0"	✓
PAIRS OF DOORS Two rim type with Mullion	TF5000EO36	6'0" X 7'0"	✓

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour.
All fire exit hardware meet UL10C and UBC 7-2-1997 codes.

HOW TO ORDER INFORMATION

Exit device model number

Panic grade

T5000 E036 Rim type 36" door

T5000 V3684 Vertical rod type 36" x 84"

Fire grade

TF5000 E036 Rim type 36" door

TF5000 V3684 Vertical rod type 36" x 84"

- 1) Specify exit device model number according to size of door.
- 2) Specify trim selection.
- 3) Non-Handed
- 4) Specify finish:
Alum - Powder coated to match US26D
US32D Stainless Steel
- 5) On thru-bolt applications, fire rated vertical rod devices are packed with thru-bolts as standard feature.
Thru-bolts are also available for other devices. To order thru-bolts add "SBN" to trim pack.

When ordering separately use following part #

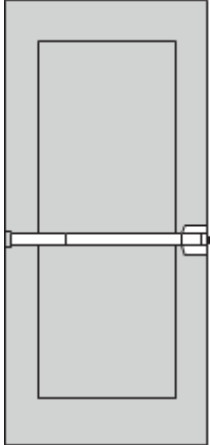
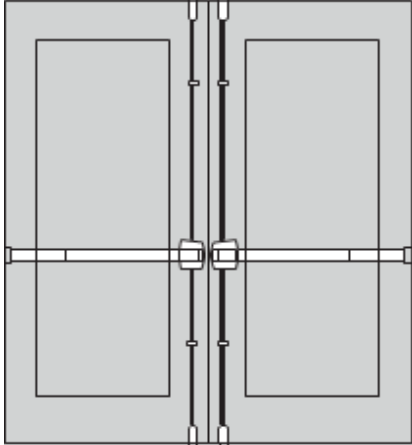
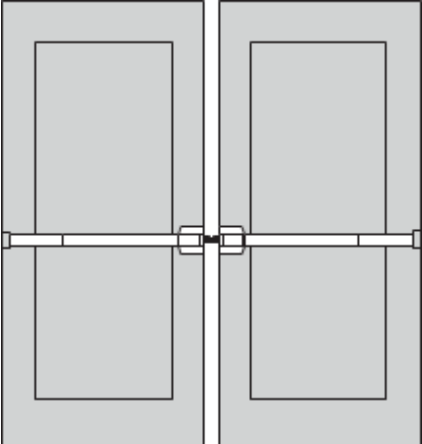
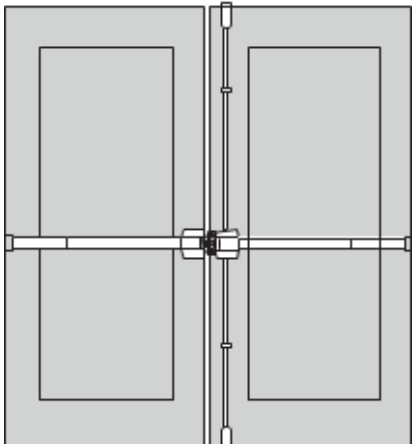
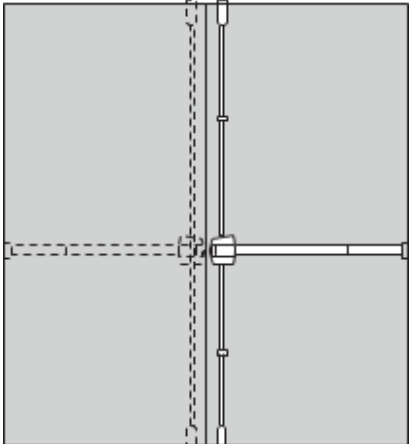
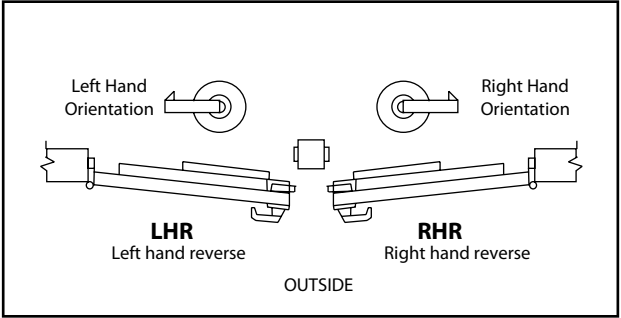
Cal-Royal Part # 357 — Thru-bolts for rim devices, 6 pcs / pack.

Cal-Royal Part # 369 — Thru-bolts for vertical rod devices, 14 pcs / pack.

Ordering example: T5000E036 ALUM X 8000L 26D
T5000V 3684 32D X CLU5000L 26D

**T5000 & TF5000 Rim Type
T5000V & TF5000V Vertical Rod
Fire and Non-Fire Exit Devices
ANSI A156.3 Grade 2 Selector Chart**



SINGLE DOOR  Vertical rod type or Rim type Surface applied 2 point lock. Surface application.	PAIRS OF DOORS WITHOUT MULLION  2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.
PAIRS OF DOORS WITH MULLION  2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.	PAIRS OF DOORS WITHOUT MULLION  1 Vertical rod and 1 rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.
PAIRS OF DOORS WITHOUT MULLION  2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.	HANDING  CAL-ROYAL PRODUCTS, INC. 6605 FLOTILLA ST, COMMERCE, CA 90040 U.S.A. TEL: (323) 888-6601 FAX: (323) 888-6699 Website: cal-royal.com • Email: sales@cal-royal.com