



# Q2000<sup>Series</sup> Narrow Stile Exit Devices



UL LISTED  
33P4  
FACED HANDLERS  
2100 SERIES  
LISTED TO UL 10C, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 10J, 10K, 10L, 10M, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V, 10W, 10X, 10Y, 10Z, 10AA, 10AB, 10AC, 10AD, 10AE, 10AF, 10AG, 10AH, 10AI, 10AJ, 10AK, 10AL, 10AM, 10AN, 10AO, 10AP, 10AQ, 10AR, 10AS, 10AT, 10AU, 10AV, 10AW, 10AX, 10AY, 10AZ, 10BA, 10BB, 10BC, 10BD, 10BE, 10BF, 10BG, 10BH, 10BI, 10BJ, 10BK, 10BL, 10BM, 10BN, 10BO, 10BP, 10BQ, 10BR, 10BS, 10BT, 10BU, 10BV, 10BW, 10BX, 10BY, 10BZ, 10CA, 10CB, 10CC, 10CD, 10CE, 10CF, 10CG, 10CH, 10CI, 10CJ, 10CK, 10CL, 10CM, 10CN, 10CO, 10CP, 10CQ, 10CR, 10CS, 10CT, 10CU, 10CV, 10CW, 10CX, 10CY, 10CZ, 10DA, 10DB, 10DC, 10DD, 10DE, 10DF, 10DG, 10DH, 10DI, 10DJ, 10DK, 10DL, 10DM, 10DN, 10DO, 10DP, 10DQ, 10DR, 10DS, 10DT, 10DU, 10DV, 10DW, 10DX, 10DY, 10DZ, 10EA, 10EB, 10EC, 10ED, 10EE, 10EF, 10EG, 10EH, 10EI, 10EJ, 10EK, 10EL, 10EM, 10EN, 10EO, 10EP, 10EQ, 10ER, 10ES, 10ET, 10EU, 10EV, 10EW, 10EX, 10EY, 10EZ, 10FA, 10FB, 10FC, 10FD, 10FE, 10FF, 10FG, 10FH, 10FI, 10FJ, 10FK, 10FL, 10FM, 10FN, 10FO, 10FP, 10FQ, 10FR, 10FS, 10FT, 10FU, 10FV, 10FW, 10FX, 10FY, 10FZ, 10GA, 10GB, 10GC, 10GD, 10GE, 10GF, 10GG, 10GH, 10GI, 10GJ, 10GK, 10GL, 10GM, 10GN, 10GO, 10GP, 10GQ, 10GR, 10GS, 10GT, 10GU, 10GV, 10GW, 10GX, 10GY, 10GZ, 10HA, 10HB, 10HC, 10HD, 10HE, 10HF, 10HG, 10HH, 10HI, 10HJ, 10HK, 10HL, 10HM, 10HN, 10HO, 10HP, 10HQ, 10HR, 10HS, 10HT, 10HU, 10HV, 10HW, 10HX, 10HY, 10HZ, 10IA, 10IB, 10IC, 10ID, 10IE, 10IF, 10IG, 10IH, 10II, 10IJ, 10IK, 10IL, 10IM, 10IN, 10IO, 10IP, 10IQ, 10IR, 10IS, 10IT, 10IU, 10IV, 10IW, 10IX, 10IY, 10IZ, 10JA, 10JB, 10JC, 10JD, 10JE, 10JF, 10JG, 10JH, 10JI, 10JJ, 10JK, 10JL, 10JM, 10JN, 10JO, 10JP, 10JQ, 10JR, 10JS, 10JT, 10JU, 10JV, 10JW, 10JX, 10JY, 10JZ, 10KA, 10KB, 10KC, 10KD, 10KE, 10KF, 10KG, 10KH, 10KI, 10KJ, 10KK, 10KL, 10KM, 10KN, 10KO, 10KP, 10KQ, 10KR, 10KS, 10KT, 10KU, 10KV, 10KW, 10KX, 10KY, 10KZ, 10LA, 10LB, 10LC, 10LD, 10LE, 10LF, 10LG, 10LH, 10LI, 10LJ, 10LK, 10LL, 10LM, 10LN, 10LO, 10LP, 10LQ, 10LR, 10LS, 10LT, 10LU, 10LV, 10LW, 10LX, 10LY, 10LZ, 10MA, 10MB, 10MC, 10MD, 10ME, 10MF, 10MG, 10MH, 10MI, 10MJ, 10MK, 10ML, 10MM, 10MN, 10MO, 10MP, 10MQ, 10MR, 10MS, 10MT, 10MU, 10MV, 10MW, 10MX, 10MY, 10MZ, 10NA, 10NB, 10NC, 10ND, 10NE, 10NF, 10NG, 10NH, 10NI, 10NJ, 10NK, 10NL, 10NM, 10NN, 10NO, 10NP, 10NQ, 10NR, 10NS, 10NT, 10NU, 10NV, 10NW, 10NX, 10NY, 10NZ, 10OA, 10OB, 10OC, 10OD, 10OE, 10OF, 10OG, 10OH, 10OI, 10OJ, 10OK, 10OL, 10OM, 10ON, 10OO, 10OP, 10OQ, 10OR, 10OS, 10OT, 10OU, 10OV, 10OW, 10OX, 10OY, 10OZ, 10PA, 10PB, 10PC, 10PD, 10PE, 10PF, 10PG, 10PH, 10PI, 10PJ, 10PK, 10PL, 10PM, 10PN, 10PO, 10PP, 10PQ, 10PR, 10PS, 10PT, 10PU, 10PV, 10PW, 10PX, 10PY, 10PZ, 10QA, 10QB, 10QC, 10QD, 10QE, 10QF, 10QG, 10QH, 10QI, 10QJ, 10QK, 10QL, 10QM, 10QN, 10QO, 10QP, 10QQ, 10QR, 10QS, 10QT, 10QU, 10QV, 10QW, 10QX, 10QY, 10QZ, 10RA, 10RB, 10RC, 10RD, 10RE, 10RF, 10RG, 10RH, 10RI, 10RJ, 10RK, 10RL, 10RM, 10RN, 10RO, 10RP, 10RQ, 10RR, 10RS, 10RT, 10RU, 10RV, 10RW, 10RX, 10RY, 10RZ, 10SA, 10SB, 10SC, 10SD, 10SE, 10SF, 10SG, 10SH, 10SI, 10SJ, 10SK, 10SL, 10SM, 10SN, 10SO, 10SP, 10SQ, 10SR, 10SS, 10ST, 10SU, 10SV, 10SW, 10SX, 10SY, 10SZ, 10TA, 10TB, 10TC, 10TD, 10TE, 10TF, 10TG, 10TH, 10TI, 10TJ, 10TK, 10TL, 10TM, 10TN, 10TO, 10TP, 10TQ, 10TR, 10TS, 10TT, 10TU, 10TV, 10TW, 10TX, 10TY, 10TZ, 10UA, 10UB, 10UC, 10UD, 10UE, 10UF, 10UG, 10UH, 10UI, 10UJ, 10UK, 10UL, 10UM, 10UN, 10UO, 10UP, 10UQ, 10UR, 10US, 10UT, 10UU, 10UV, 10UW, 10UX, 10UY, 10UZ, 10VA, 10VB, 10VC, 10VD, 10VE, 10VF, 10VG, 10VH, 10VI, 10VJ, 10VK, 10VL, 10VM, 10VN, 10VO, 10VP, 10VQ, 10VR, 10VS, 10VT, 10VU, 10VV, 10VW, 10VX, 10VY, 10VZ, 10WA, 10WB, 10WC, 10WD, 10WE, 10WF, 10WG, 10WH, 10WI, 10WJ, 10WK, 10WL, 10WM, 10WN, 10WO, 10WP, 10WQ, 10WR, 10WS, 10WT, 10WU, 10WV, 10WW, 10WX, 10WY, 10WZ, 10XA, 10XB, 10XC, 10XD, 10XE, 10XF, 10XG, 10XH, 10XI, 10XJ, 10XK, 10XL, 10XM, 10XN, 10XO, 10XP, 10XQ, 10XR, 10XS, 10XT, 10XU, 10XV, 10XW, 10XX, 10XY, 10XZ, 10YA, 10YB, 10YC, 10YD, 10YE, 10YF, 10YG, 10YH, 10YI, 10YJ, 10YK, 10YL, 10YM, 10YN, 10YO, 10YP, 10YQ, 10YR, 10YS, 10YT, 10YU, 10YV, 10YW, 10YX, 10YY, 10YZ, 10ZA, 10ZB, 10ZC, 10ZD, 10ZE, 10ZF, 10ZG, 10ZH, 10ZI, 10ZJ, 10ZK, 10ZL, 10ZM, 10ZN, 10ZO, 10ZP, 10ZQ, 10ZR, 10ZS, 10ZT, 10ZU, 10ZV, 10ZW, 10ZX, 10ZY, 10ZZ



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## Q2000 Series exit Devices

Q2000 Series Narrow Stile Exit Devices and Trims are designed for new or retrofit installation into other manufacturers' devices. Push Bar assembly's smooth and reduced projections minimizes catch hazard. Device function is field selectable by adaptation with selected type of trim. A full complement of lever trim is available in wide range of architectural finishes. Q2000 Series are made to comply with the highest safety and security standards in the industry. Devices and trims are UL listed for Panic Hardware or Fire Hardware. They are certified to ANSI/UL305 and ANSI/BHMA A156.3 Grade 1. Q2000 Series provides superior durability for high impact applications such as offices, schools, banks, assisted living facilities and other institutions or commercial buildings.



Out of an abundance of caution, MBS has elected to place the Proposition 65 warning on all products shipped to California.



**WARNING:** These products can expose you to chemicals including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).




# Q2000 Narrow Stile Exit Devices

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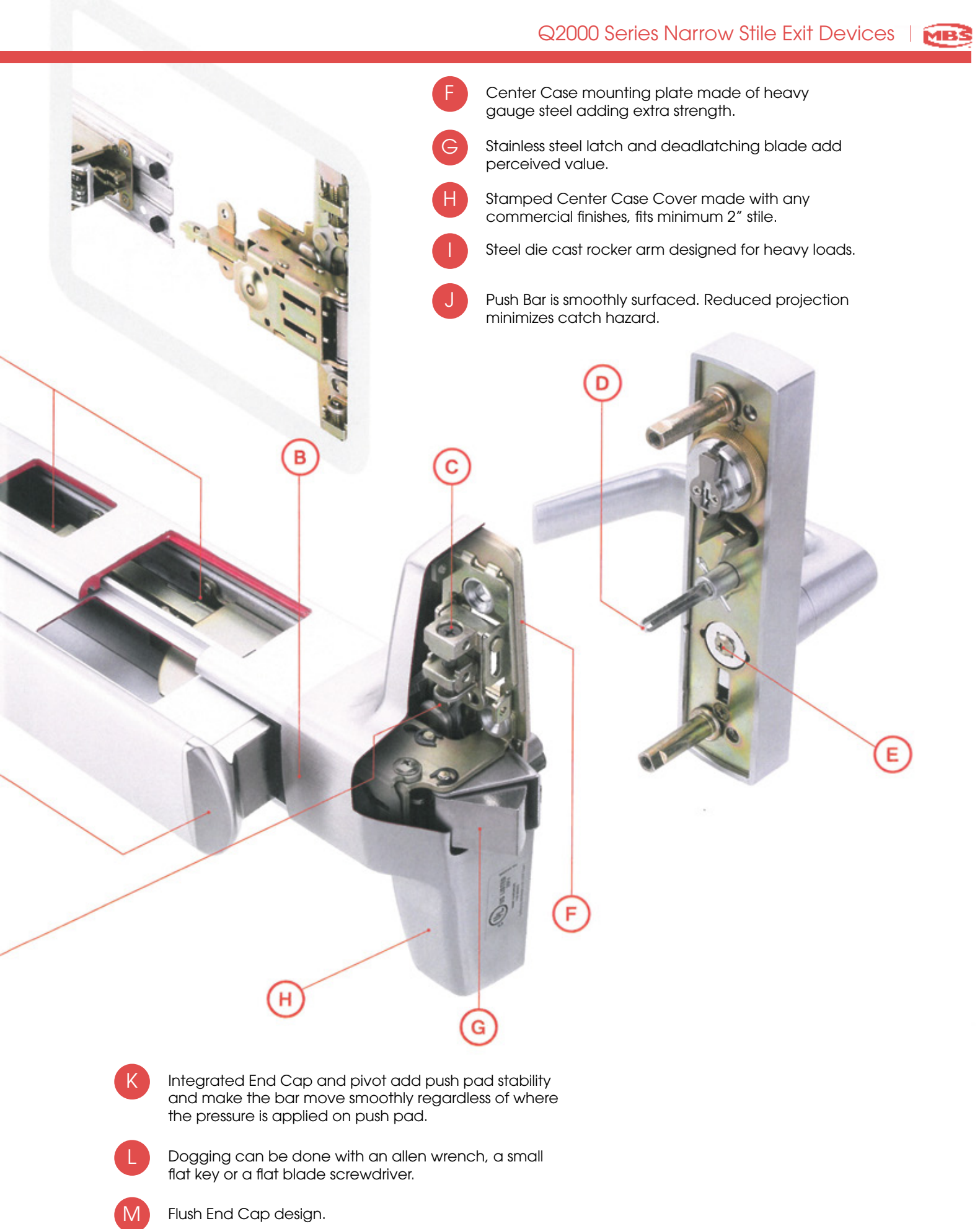


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- A** Special plastic inserts and rubber bumpers reduce noise and don't fail under high or low temperatures. Impervious to petroleum lubricants.
- B** Detachable center case allows switching between mechanical and electrical options which replaces the need of buying two complete sets.
- C** Center Case with maximum versatility, Surface and Concealed Vertical Rods can be adjusted inside the center case with an ingenious rod holder design.
- D** Cross spindle offers additional strength.
- E** Replaceable cam breaks at predetermined load to prevent further damage of the trim mechanism. Handing change is simple and easy. Just remove screw and cam from mechanism and rotate lever to desired position, then replace cam and fasten the screw.

# Features

The Q2000 Series Narrow Stile Exit Devices are fabricated and blended with simplicity, strength, durability, aesthetics and installer-friendly innovations.

- Devices and Trims are designed for new or retrofit installation into other manufacturers' exit devices and trims.
- Made to comply with highest safety and security standards in industry.
- UL listed for Panic Hardware or 3-Hour Fire Rated Exit Hardware.
- ETL certified to ANSI/UL305 and ANSI A156.3 2008 Grade 1 standards.





# General

## Overview

## Finishes

COLOR	ANSI/ BHMA	US	B. E. G.	A. D.	C. F. H.
Polished Brass	605	3	Brass, Polished	Plated	Buffed Anodized
Satin Brass	606	4	Brass, Satin	Plated	Anodized
Dark Oxidized Satin Bronze	613	10B	Bronze, Satin; Dark Oxidized	Plated	Anodized
Polished Chrome	625	26	St. Steel, Polished	Plated	Buffed Anodized
Satin Chrome	626	26D	Brass, Satin & Plated	Plated	Anodized
Satin Stainless Steel	630	32D	St. Steel, Satin	Plated	Anodized

Other finishes consult factory.

### Push Bar Trim Options:

PU - "PUSH" - Embossed

BR - "CAUTION STAIRWELL" - Braille, embossed

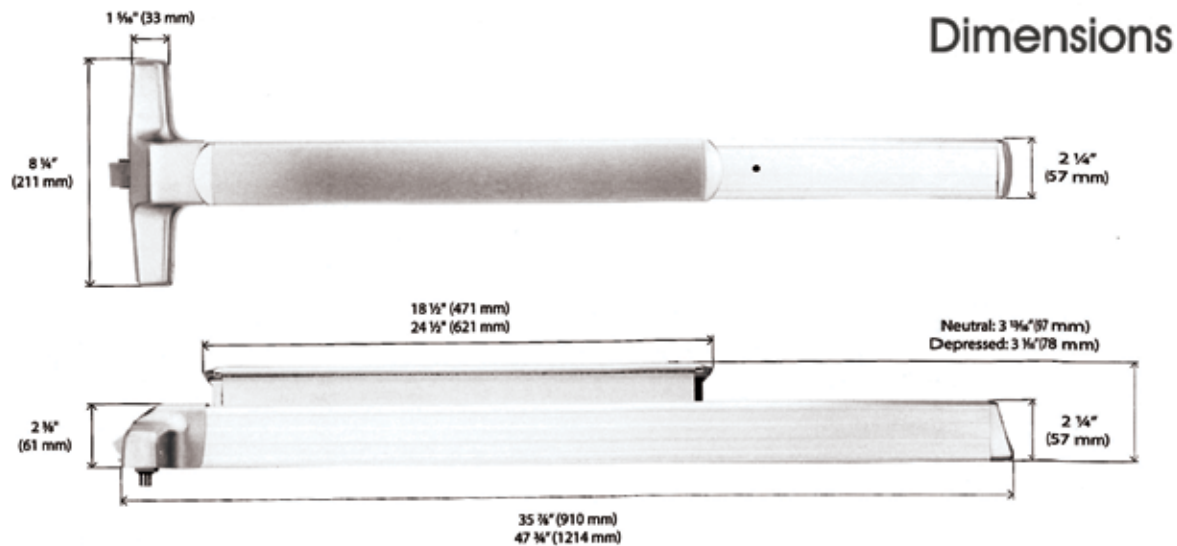
EM - "EMERGENCY EXIT ONLY - PUSH TO OPEN AND SOUND ALARM" - Red silk screen lettered

## Functions

ANSI/ BHMA No.	Operations	Trim Options		Cylinder Application	
		Series Thumbpiece	Series Escutcheons	Rim Cyl.	Mortise Cyl.
01	Exit Only	Q401	N	N	N
02	Dummy Pull Only	Q402	Q502	N	N
03	Night Latch, Key Retracts Latch Bolt	Q403R	Q503R	Y	N
08	Key Locks or Unlocks Latch Bolt	N	Q508M	N	Y
09	Night Latch Key Retracts Latch Bolt	N	Q509R	Y	N
11	Key Locks or Unlocks Latch Bolt	N	Q511M	N	Y
12	Night Latch Key Retracts Latch Bolt	N	Q512R	Y	N
14	Lever Always Active, No Cylinder	N	Q514	N	N
16	Turn Always Active, No Cylinder	N	Q516	N	N

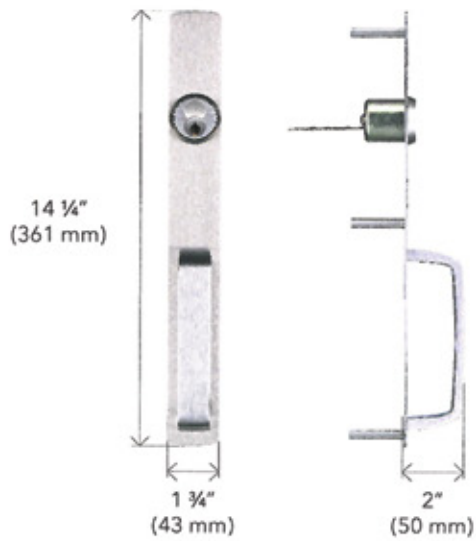
### Note:

Device functions are field selectable with the removal of drive screw in back of center case and determined by the type of trim adaption.

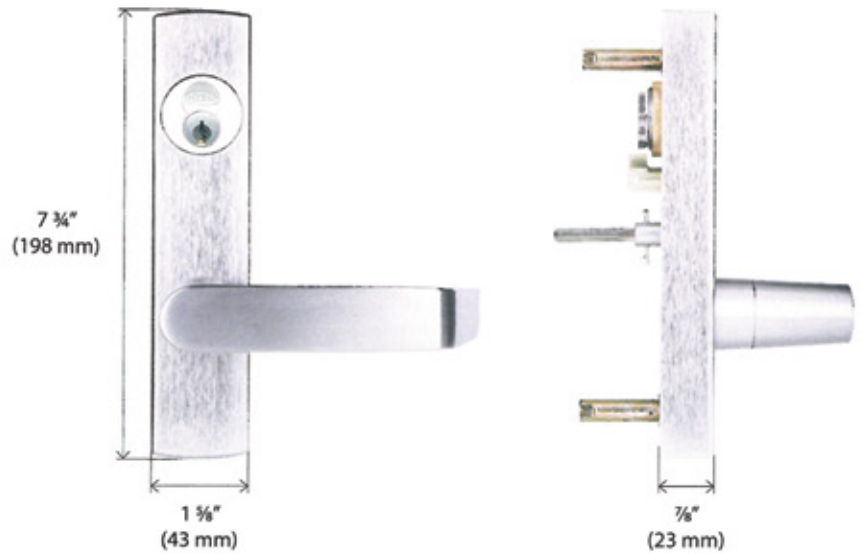


## Trims

### Thumbpiece



### Escutcheon



## Fasteners / Sex Bolts (SNB)

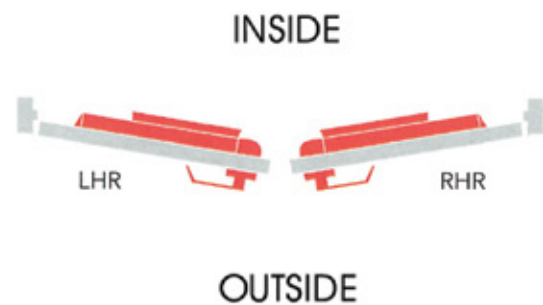
Furnished standard with machine screws. Specify sheet metal screws or wood screws when/if required. Specify Sex Bolts (SNB) where recommended or required by the door manufacturer.



Sex Nuts and Bolts (SNB) are furnished with Q1024 SNB (No. 10-24) for Device or Q4120 SNB (No. 1/4-20) for Top Rod Latch and Bottom Rod Latch.

	Devices No.	Specification	Qty.
Without Trim	Q2100	Q1024 SNB (No. 10-24)	2
		Q4120 SNB (No. 1/4-20)	2
	Q2200	Q1024 SNB (No. 10-24)	2
		Q4120 SNB (No. 1/4-20)	6
	Q2300	Q1024 SNB (No. 10-24)	2
With Trim		Q4120 SNB (No. 1/4-20)	2
	Q2500	Q1024 SNB (No. 10-24)	2
		Q4120 SNB (No. 1/4-20)	6
	Q2100	Q1024 SNB (No. 10-24)	2
	Q2200	Q1024 SNB (No. 10-24)	2
		Q4120 SNB (No. 1/4-20)	4
	Q2300	Q1024 SNB (No. 10-24)	2
	Q2500	Q1024 SNB (No. 10-24)	2
		Q4120 SNB (No. 1/4-20)	4

## Hand of Doors



## Strike Application / Minimum Stile

Device Type	Single Door Strike	Stile	Double Door Strike with Mullion	Stile
Q2100	Q103	2" (51mm)	Q103 x Q170 mullion	3" (76.2mm)
	Q106*	2-7/8" (73mm)	Q106 x Q170 mullion	3-5/8" (92mm)
Q2200	Q203 (Top)	2" (51mm)	Q203 (Top)	2-1/8" (54mm)
	Q227 (Bottom)		Q227 (Bottom)	
	Q106* (Top)	2-5/16" (58.7mm)	Q106* (Top)	2-5/16" (58.7mm)
	Q227 (Bottom)		Q227 (Bottom)	
Q2300	Q216 (Top)	2" (51mm)	Q216 (Top)	2-1/4" (57.2mm)
	Q227 (Bottom)		Q227 (Bottom)	
Q2500	Q103 (Middle)	2-5/16" (58.7mm)	Q103 x Q170 mullion	3" (76.2mm)
	Q203 (Top)		Q203 (Top)	
	Q227 (Bottom)		Q227 (Bottom)	
	Q106* (Middle)	2-7/8" (73mm)	Q106 x Q170 mullion	3-5/8" (92mm)
	Q203 (Top)		Q203 (Top)	
	Q227 (Bottom)		Q227 (Bottom)	

\*Alternative option.



### Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.

### Doors & Preparations

- For all types of single and double doors with/without a mullion. For mullions, see page 27.
- For new or retrofit installation into other manufacturers' devices.
- 1-3/4" to 2-1/4" thick, up to 4' wide opening; for thicker doors, consult factory.
- Furnished standard for 1-3/4" thick, 3' wide opening.
- For maximum door opening applications and listings for Fire Exit Devices, see page 36.

Q2100/QF2100  
Narrow Stile Rim Exit  
Devices

## Specifications

Stile	<ul style="list-style-type: none"> <li>Minimum width 2" (51mm).</li> </ul>
Certification/ Compliance	<ul style="list-style-type: none"> <li>Panic devices UL listed for UL305 and ANSI/BHMA A156.3 Grade 1 Panic Hardware.</li> <li>UL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA80 Fire doors and windows.</li> <li>Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.</li> </ul>
Center Case	<ul style="list-style-type: none"> <li>Universal center case, heavy wrought steel and sintered metal parts.</li> <li>Device functions are determined by adaptation with type of trim.</li> </ul>
Strikes	<div> <div>Panic</div> <div>Top: P/N. Q103/Q106 (roller type) See page 23.</div> </div> <div> <div>Fire</div> <div>Top: P/N. Q108 (roller type)</div> </div>
Dogging	<ul style="list-style-type: none"> <li>NOT available on Fire Exit Hardware.</li> <li>Dogging options available for LD, CD, ED, (ELR). See page 26.</li> <li>Flat/Hex key dogging standard.</li> </ul>
Fasteners	<ul style="list-style-type: none"> <li>Machine screws and wood screws are furnished standard.</li> </ul>
Sex Bolts (SNB)	<ul style="list-style-type: none"> <li>Required when used with wood, composite or non-reinforced hollow metal doors. For Exit Only device, specify 2-Q1024 SNB (No. 10-24), 2-Q4120 SNB (No. 1/4-20). For device with trim specify 2-Q1024 SNB (No. 10-24). See page 10.</li> </ul>
Electric Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"> <li>AL Alarm Exit</li> <li>DE Delayed Egress Device</li> <li>ELR Electric Latch Retraction</li> <li>LM Latch Bolt Monitoring</li> <li>RX Request to Exit</li> <li>SS Signal Switch</li> </ul> <p>See page 30-32.</p>
Device Centerline from Finished Floor	<ul style="list-style-type: none"> <li>39-5/8" (1006mm).</li> </ul>
Latch Bolt	<ul style="list-style-type: none"> <li>Stainless Steel, deadlocking, 3/4" (19mm) throw.</li> </ul>
Handing	<ul style="list-style-type: none"> <li>Q500 Series Trim field reversible.</li> <li>Device non-handed.</li> <li>Specify handing for Q400 Series trim when ordering.</li> </ul>
Cylinders	<ul style="list-style-type: none"> <li>NOT furnished standard, specify when required. For Cylinder details, see page 25.</li> </ul>
Trim	<ul style="list-style-type: none"> <li>The device &amp; trim are sold separately, easy to mix and match, see page 20-22.</li> </ul>



### Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.




### Doors & Preparations

- For all types of single and double doors.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished standard for 1-3/4" thick, 3' wide opening and 7' high doors.
  - For maximum door opening applications and listings for Fire Exit Devices, see page 36.

**Q2200 / QF2200**  
 Narrow Stile Surface  
 Vertical Rod Devices

## Specifications

Stile	<ul style="list-style-type: none"><li>Minimum width 2" (51mm).</li></ul>		
Certification/ Compliance	<ul style="list-style-type: none"><li>Panic devices UL listed for UL305 and ANSI/BHMA A156.3 Grade 1 Panic Hardware.</li><li>UL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA80 Fire doors and windows.</li><li>Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.</li></ul>		
Center Case	<ul style="list-style-type: none"><li>Heavy wrought steel assembly with top and bottom rod adjusters.</li><li>Adjustment accessible through center case after installation.</li></ul>		
Vertical Rods	<ul style="list-style-type: none"><li>1/2" Square tubing, standard rods accommodate 7' (2134mm) door.</li><li>Top rod length is 36-1/8" (916mm), Bottom rod length is 31-7/8" (807mm) standard.</li><li>Top rod length is 48-1/8" (1221mm) is available for 8' (2438mm) door.</li><li>Extension rod available 24" (609mm) for doors ranging between 8' and 10' high. Specify when ordering.</li><li>For rod size, see page 28.</li></ul>		
Top Latch Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw.</li></ul>		
Bottom Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw.</li></ul>		
Top & Bottom Latch Case	<ul style="list-style-type: none"><li>4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm).</li></ul>		
Door Undercut	<ul style="list-style-type: none"><li>1/4" (6mm).</li></ul>		
Strikes	<p><b>Panic</b> P/N. Q203/Q106 (roller type) Bottom: P/N. Q227</p>	<p><b>Fire</b> P/N. Q108 (roller type) Bottom: P/N. Q227F</p>	See pages 23-24.
Dogging	<ul style="list-style-type: none"><li>NOT available on Fire Exit Hardware.</li><li>Dogging options available for LD, CD, ED, (ELR). See page 26.</li><li>Flat/Hex key dogging standard.</li></ul>		
Fasteners	<ul style="list-style-type: none"><li>Machine screws and wood screws are furnished standard.</li></ul>		
Sex Bolts (SNB)	<ul style="list-style-type: none"><li>Required when used with wood, composite or non-reinforced hollow metal doors. For Exit Only device, specify 2-Q1024 SNB (No. 10-24), 2-Q4120 SNB (No. 1/4-20). For device with trim specify 2-Q1024 SNB (No. 10-24). See page 10.</li></ul>		
Electric Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"><li>AL Alarm Exit</li><li>DE Delayed Egress Device</li><li>ELR Electric Latch Retraction</li><li>LM Latch Bolt Monitoring</li><li>RX Request to Exit</li><li>SS Signal Switch</li></ul> <p>See page 30-32.</p>		
Device Centerline from Finished Floor	<ul style="list-style-type: none"><li>39-5/8" (1006mm).</li></ul>		
Fire Bolt (LBR)	<ul style="list-style-type: none"><li>Available for door openings up to 8" wide x 10' high. Specify suffix "LBR".</li><li>Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices.</li></ul>		
Handing	<ul style="list-style-type: none"><li>Q500 Series Trim field reversible.</li><li>Device non-handed.</li><li>Specify handing for Q400 Series trim when ordering.</li></ul>		
Cylinders	<ul style="list-style-type: none"><li>NOT furnished standard, specify when required. For Cylinder details, see page 25.</li></ul>		
Trim	<ul style="list-style-type: none"><li>The device &amp; trim are sold separately, easy to mix and match, see page 20-22.</li></ul>		



Fire Bolt





### Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.



### Doors & Preparations

- For all types of single and double doors.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished standard for 1-3/4" thick, 3' wide opening and 7' high doors.
  - For maximum door opening applications and listings for Fire Exit Devices, see page 36.

**Q2300 / QF2300**  
 Narrow Stile Concealed  
 Vertical Rod Devices



# Specifications

Stile	<ul style="list-style-type: none"><li>Minimum width 2" (51mm).</li></ul>		
Certification/ Compliance	<ul style="list-style-type: none"><li>Panic devices UL listed for UL305 and ANSI/BHMA A156.3 Grade 1 Panic Hardware.</li><li>UL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA80 Fire doors and windows.</li><li>Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.</li></ul>		
Center Case	<ul style="list-style-type: none"><li>Heavy wrought steel assembly with top and bottom rod adjustors.</li><li>Adjustment accessible through center case after installation.</li></ul>		
Vertical Rods	<ul style="list-style-type: none"><li>1/2" Square tubing, standard rods accommodate 7' (2134mm) door.</li><li>Top rod length is 37" (940mm), Bottom rod length is 31-3/4" (805mm) standard.</li><li>Top rod length is 49" (1245mm) is available for 8' (2438mm) door.</li><li>Extension rod available 23-7/8" (605mm) for doors ranging between 8' and 10' high. Specify when ordering.</li><li>For rod size, see page 28.</li></ul>		
Top Latch Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw.</li></ul>		
Bottom Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw.</li></ul>		
Top & Bottom Latch Case	<ul style="list-style-type: none"><li>4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm).</li></ul>		
Door Undercut	<ul style="list-style-type: none"><li>1/4" (6mm).</li></ul>		
Strikes	<div>Panic</div> <div>Top: P/N. Q216 Bottom: P/N. Q227</div>	<div>Fire</div> <div>Top: P/N. Q216 Bottom: P/N. Q227F</div>	See page 24.
Dogging	<ul style="list-style-type: none"><li>NOT available on Fire Exit Hardware.</li><li>Dogging options available for LD, CD, ED, (ELR). See page 26.</li><li>Flat/Hex key dogging standard.</li></ul>		
Fasteners	<ul style="list-style-type: none"><li>Machine screws and wood screws are furnished standard.</li></ul>		
Sex Bolts (SNB)	<ul style="list-style-type: none"><li>Required when used with wood, composite or non-reinforced hollow metal doors. For Exit Only device, specify 2-Q1024 SNB (No. 10-24), 2-Q4120 SNB (No. 1/4-20). For device with trim specify 2-Q1024 SNB (No. 10-24). See page 10.</li></ul>		
Electric Functions	<div>Can be interfaced with building security systems:</div> <div><ul style="list-style-type: none"><li>AL Alarm Exit</li><li>DE Delayed Egress Device</li><li>ELR Electric Latch Retraction</li><li>LM Latch Bolt Monitoring</li><li>RX Request to Exit</li><li>SS Signal Switch</li></ul></div> <div>See page 30-32.</div>		
Device Centerline from Finished Floor	<ul style="list-style-type: none"><li>39-5/8" (1006mm).</li></ul>		
Fire Bolt (LBR)	<ul style="list-style-type: none"><li>Available for door openings up to 8" wide x 10' high. Specify suffix "LBR".</li><li>Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices.</li></ul>		
Handing	<ul style="list-style-type: none"><li>Q500 Series Trim field reversible.</li><li>Device non-handed.</li><li>Specify handing for Q400 Series trim when ordering.</li></ul>		
Cylinders	<ul style="list-style-type: none"><li>NOT furnished standard, specify when required. For Cylinder details, see page 25.</li></ul>		
Trim	<ul style="list-style-type: none"><li>The device &amp; trim are sold separately, easy to mix and match, see page 20-22.</li></ul>		





## Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.




## Doors & Preparations

- For all types of single and double doors.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished standard for 1-3/4" thick, 3' wide opening and 7' high doors.
  - For maximum door opening applications and listings for Fire Exit Devices, see page 36.

**Q2500 / QF2500**  
 Narrow Stile Three-Point  
 Latching Exit Devices

# Specifications

Stile	<ul style="list-style-type: none"><li>Minimum width 2-15/16" (58.7mm).</li></ul>					
Certification/ Compliance	<ul style="list-style-type: none"><li>Panic devices UL listed for UL305 and ANSI/BHMA A156.3 Grade 1 Panic Hardware.</li><li>UL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA80 Fire doors and windows.</li><li>Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.</li></ul>					
Center Case	<ul style="list-style-type: none"><li>Heavy wrought steel assembly with top and bottom rod adjusters.</li><li>Adjustment accessible through center case after installation.</li></ul>					
Vertical Rods	<ul style="list-style-type: none"><li>1/2" Square tubing, standard rods accommodate 7' (2134mm) door.</li><li>Top rod length is 36-1/8" (916mm), Bottom rod length is 31-7/8" (807mm) standard.</li><li>Top rod length is 48-1/8" (1221mm) is available for 8' (2438mm) door.</li><li>Extension rod available 24" (609mm) for doors ranging between 8' and 10' high. Specify when ordering.</li><li>For rod size, see page 28.</li></ul>					
Top Latch Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw.</li></ul>					
Bottom Bolt	<ul style="list-style-type: none"><li>Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw.</li></ul>					
Top & Bottom Latch Case	<ul style="list-style-type: none"><li>4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm).</li></ul>					
Door Undercut	<ul style="list-style-type: none"><li>1/4" (6mm).</li></ul>					
Strikes	<table><tr><td><b>Panic</b></td><td>P/N. Q203/Q106 (roller type) Middle: P/N. Q103 (roller type) Bottom: P/N. Q227</td><td><b>Fire</b></td><td>Top: P/N. Q108 (roller type) Middle: P/N. Q108 (roller type) Bottom: P/N. Q227F</td><td>See pages 23-24.</td></tr></table>	<b>Panic</b>	P/N. Q203/Q106 (roller type) Middle: P/N. Q103 (roller type) Bottom: P/N. Q227	<b>Fire</b>	Top: P/N. Q108 (roller type) Middle: P/N. Q108 (roller type) Bottom: P/N. Q227F	See pages 23-24.
<b>Panic</b>	P/N. Q203/Q106 (roller type) Middle: P/N. Q103 (roller type) Bottom: P/N. Q227	<b>Fire</b>	Top: P/N. Q108 (roller type) Middle: P/N. Q108 (roller type) Bottom: P/N. Q227F	See pages 23-24.		
Dogging	<ul style="list-style-type: none"><li>NOT available on Fire Exit Hardware.</li><li>Dogging options available for LD, CD, ED, (ELR). See page 26.</li><li>Flat/Hex key dogging standard.</li></ul>					
Fasteners	<ul style="list-style-type: none"><li>Machine screws and wood screws are furnished standard.</li></ul>					
Sex Bolts (SNB)	<ul style="list-style-type: none"><li>Required when used with wood, composite or non-reinforced hollow metal doors. For Exit Only device, specify 2-Q1024 SNB (No. 10-24), 2-Q4120 SNB (No. 1/4-20). For device with trim specify 2-Q1024 SNB (No. 10-24). See page 10.</li></ul>					
Electric Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"><li>AL Alarm Exit</li><li>DE Delayed Egress Device</li><li>ELR Electric Latch Retraction</li><li>LM Latch Bolt Monitoring</li><li>RX Request to Exit</li><li>SS Signal Switch</li></ul> <p>See page 30-32.</p>					
Device Centerline from Finished Floor	<ul style="list-style-type: none"><li>39-5/8" (1006mm).</li></ul>					
Fire Bolt (LBR)	<ul style="list-style-type: none"><li>Available for door openings up to 8" wide x 10' high. Specify suffix "LBR".</li><li>Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices.</li></ul>					
Handing	<ul style="list-style-type: none"><li>Q500 Series Trim field reversible.</li><li>Device non-handed.</li><li>Specify handing for Q400 Series trim when ordering.</li></ul>					
Cylinders	<ul style="list-style-type: none"><li>NOT furnished standard, specify when required. For Cylinder details, see page 25.</li></ul>					
Trim	<ul style="list-style-type: none"><li>The device &amp; trim are sold separately, easy to mix and match, see page 20-22.</li></ul>					





## Q400 Series Pull Trim

## Q500 Series Escutcheon

ANSI/BHMA	01	02	03	02	03	8	9	14
Operation	Exit Only	Dummy Pull Only	Night Latch, Key Retracts Latch Bolt	Dummy Pull Only	Night Latch Key Retracts Latch Bolt	Key Locks or Unlocks Latch Bolt	Night Latch Key Retracts Latch Bolt	Lever Always Active No Cylinder
Illustration								
Trim No.	Q401	Q402	Q403R	Q502	Q503R	Q508M	Q509R	Q514
Device No.	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500
Cylinder Type			Rim		Rim	Mortise	Rim	
Specify Handing	Y	Y	Y	N	N	N	N	N

Plate

Pull Only

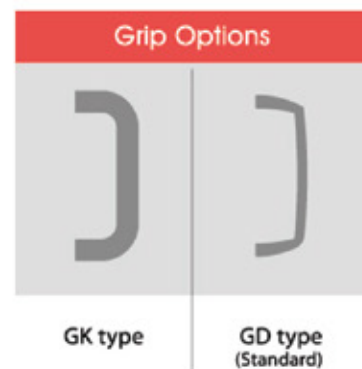
With Rim Cylinder



### Features

1. Trims are furnished with wrought plate and extruded or with cast solid grips.
2. Trims are designed to retrofit into other manufacturers' devices.
3. Trims are UL certified for ANSI/BHMA A156.3 Grade 1 and 3-Hour Fire Rated.
4. Trims are through bolted. ("GD" Grip furnished standard, unless specified). For Trim dimensions see page 10.
5. Specify handing when ordering.

### Grip Options








GK type

GD type  
(Standard)

Trim  
Operation Options

## Q500 Series Escutcheon

ANSI/BHMA	11	12	16	11	16
Operation	Key Locks or Unlocks Latch Bolt	Night Latch Key Retracts Latch Bolt	Turn Always Active, No Cylinder	Key Locks or Unlocks Latch Bolt	Turn Always Active No Cylinder
Illustration					
Trim No.	Q511M	Q512R	Q516	Q511P+Q402	Q516P+Q402
Device No.	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2100 Q2200 Q2300 Q2500	Q2200 Q2300	Q2200 Q2300
Cylinder Type	Mortise	Rim		Mortise	
Specify Handing	N	N	N	N	N

**Dummy Trim**  
Lever or Knob rigid  
For pull operation  
(For 02 Function)



**Blank Escutcheon**  
Lever or Knob always active  
(For 14 Function)



**Night Latch**  
Key retracts latch bolt.  
Lever or Knob is rigid  
(For 09 Function)



### Features

1. Escutcheon and lever with sleek and seamless design produced by casting or forging.
2. Trims are designed to retrofit into other manufacturers' devices.
3. Handing field reversible.
4. Trims are UL certified for ANSI/BHMA A156.3 Grade 1 and 3-Hour Fire Rated.
5. Specify lever or knob design. ("D" Lever furnished standard, unless specified).  
For Trim dimensions see page 10.

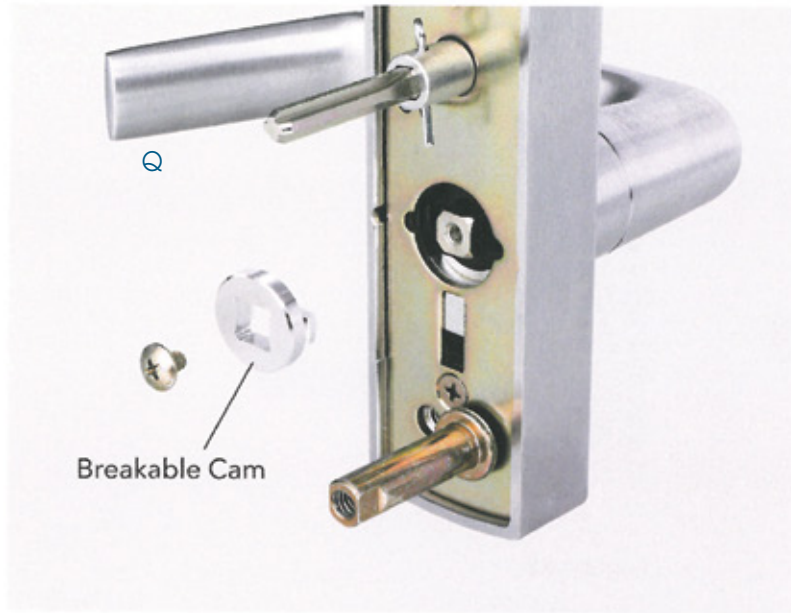
### Lever Options



### Knob Options



# Model Q508 Operation Breakable Cam



## Model Q508

Key Locks or Unlocks  
Lever  
(For 08/11 Functions)

Model Q508 Trim is composed of heavy duty investment cast steel, an internal breakable cam to break away at predetermined load applied to outside lever handle in locked mode without damaging or violating security. The cam is easily replaceable with minimum efforts.

The breakable cam is a replaceable part.

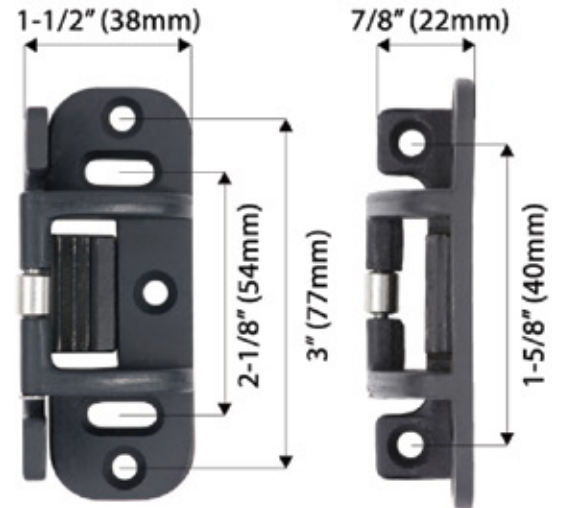


## Rim Device



Q106 Rim Strike  
for Rim / SVR / 3PT top strike

P

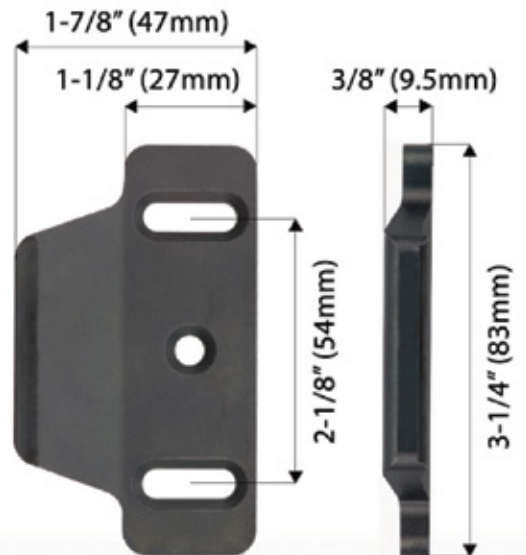
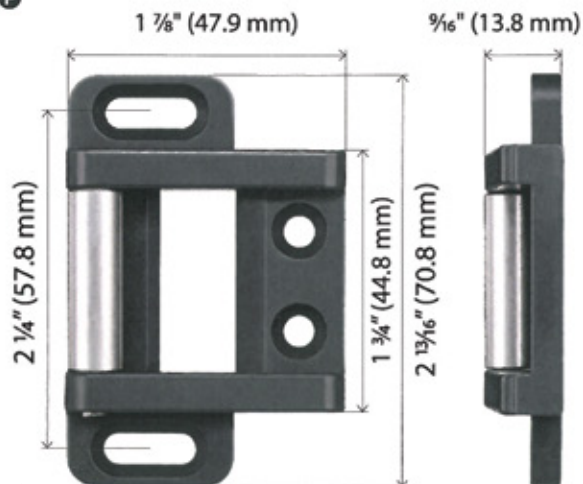


Q108 Rim Strike  
for double door Rim / SVR / 3PT  
use with 170/270 mullion

P 

Q103 Rim Strike  
for Rim / 3PT

P



Q136 Rim Strike  
for double door Rim/SVR/CVR  
combination with coordinator

P 

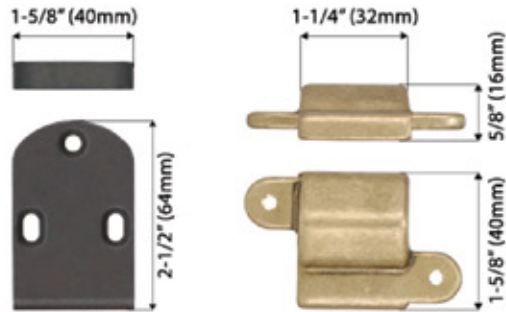
Strikes

# Vertical Rod Device

**P** Panic Application

**🔥** Fire Application

## Top Strike

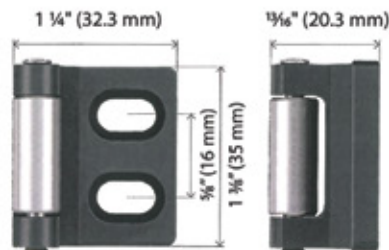


**Q215 Top Strike**  
for flush transom  
SVR/3PT

**P** **🔥**

**Q216 Top Strike**  
for CVR

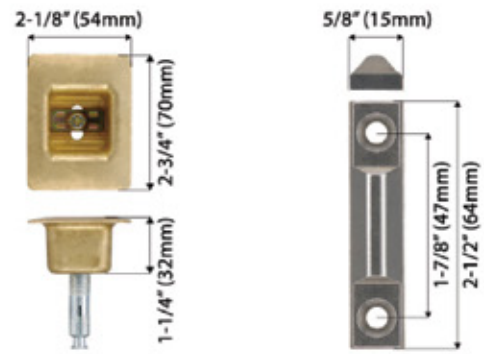
**P** **🔥**



**Q203 Top Strike**  
for SVR/3PT

**P**

## Bottom Strike







**Q227/Q227F Bottom Strike**  
standard furnished  
for SVR/CVR/3PT

**P** **🔥**

**Q224 Bottom Strike**  
optional for SVR/3PT

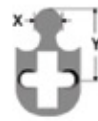

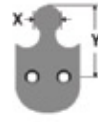

**P** **🔥**

Cylinders are not furnished standard with the device or trim, specify when required. Small Format interchangeable Core combined/uncombined standard. 626, 606, or 613 finish. Schlage C Keyway, 6-pin also available in 630 or 626 finish. Specify type and finish when ordering.

Cylinder Type	Applications	Trim	Cylinder	Cyl. Length(Part/No.)	Cylinder Cam
 I/C  Standard	08/11 for RIM/SVR/CVR/3PT	Q500	Standard I/C	1 1/8" (441-102) 1 1/4" (442-601)	440-0704 440-0708
	Cylinder Dogging	All Device	Standard I/C	1 1/4" (441-103) 1 3/8" (442-701)	440-0702 440-0706
 I/C  Standard	03 for RIMS/SVR/CVR/3PT (Must use with Cylinder Guard Part/No. 611824-020)	Q400	Standard I/C	Tailpiece Length 3 1/8" (79.6mm)	
	03/09/12 for RIM/SVR/CVR/3PT	Q500			

Cylinder Guard  
611824-020  
For use on Q403R



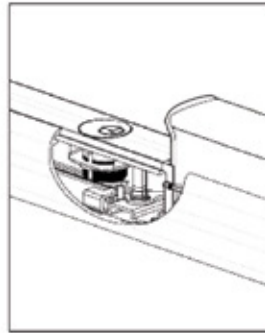
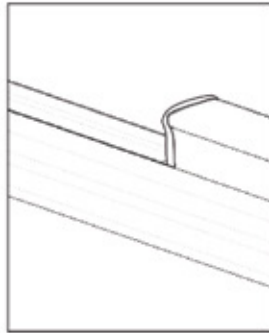
Cylinder Cam		
Illustration		
Dimension	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)
Cam No.	440-0702	440-0704
Illustration		
Dimension	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)
Cam No.	440-0706	440-0708

Cylinder  
options

## Dogging Options

### LD-Less Dogging

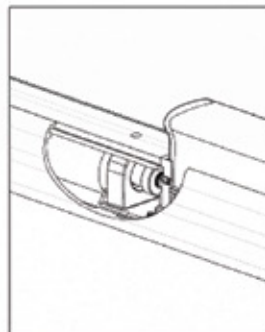
Less Dogging is available in all Q2000 Series panic exit devices.



### CD-Cylinder Dogging

Available for all models except Fire Exit Hardware. Cylinder Dogging provides the ability to lock down the push bar with a key cylinder; allowing the door can be used in the Push/Pull mode. To order, "CD", requires the use of a 1-1/4" mortise cylinder (not furnished standard).

### HKD-Flat / Hex Key Dogging



### ED-Electric Dogging

Details, see page 30.

Dogging  
options

## Q170 Keyed Removable Mullion

Provides a secure, quick & easy means of removal. The Mullion can be installed and locked without using key.

**Top and Bottom Fittings :** Investment cast steel, furnished with steel anchors for floors.

**Mullion :** 2" x 3" Steel.

**Stock Size :** 8' length standard, can be cut for opening less than 8'.  
10' length available upon request.

**Finishes :** 600, 689, 695

**UL Listed :** Listed for 3-Hour Fire Rated Exit Hardware.

**Cylinder :** Not furnished standard, keying is standard 1-1/8" mortise cylinder with cam.

**The head design of Q170/QF170 :** Provides a secure, quick & easy means of removal. The Mullion can be installed and locked without using key.

## Q270 Non-Keyed Removable Mullion

**Top and Bottom Fittings :** Investment cast steel, furnished with steel anchors for concrete floors.

**Mullion :** 2" x 3" Steel

**Stock Size :** 8' length standard, can be cut for openings less than 8'.  
10' length available upon request.

**Finishes :** 600, 689, 695

**UL Listed :** Listed for 3-Hour Fire Rated Exit Hardware.

How to order:

	Model	Height	Finish
	Q170	7	600
Q170	Keyed	7', 8', 10'	600, 689, 695
QF170	Keyed, Fire Rated		
Q270	Non-Keyed		
QF270	Non-Keyed, Fire Rated		

Note: Q108 Rim Strike sold separately.  
TR200A Ring Package required for Keyed Mullions.

Keyed  
Removable Mullion



Non-Keyed  
Removable Mullion



Removable mullions are used with paired doors where a full width opening is only occasionally required. Doors are fitted with Rim Exit Devices and normally function as single doors. Available in 7', 8' or 10' lengths.

## Shims



### For Q106 Rim strike

P/N. 616819-020

Two (2) pieces furnished standard.



### For Q108 Rim strike

P/N. 616819-030

Two (2) pieces furnished standard.



### For CVR top & bottom latches

P/N. 616819-050

Sixteen (16) pieces furnished standard for Top and Bottom latches. Eight (8) pieces furnished standard for LBR.



### For Q103 Rim strike

P/N. 616819-010

Two (2) pieces furnished standard.



### For Q203 Rim strike

P/N. 618619-020

Two (2) pieces furnished standard.

## Top Rod

\* Extension Rod

Illustration	Device No.	Part No.	Rod Length	Door Height
	Q2200 Q2500 (SVR/3PT)	616823-020	36-1/8" (916mm)	7'
		616823-030	48-1/8" (1221mm)	8'
		616823-030	48-1/8" (1221mm)	10'
		Add 616823-040*	Add 24" (609mm)	
	Q2300 (CVR)	616823-070	37" (940mm)	7'
		616823-080	49" (1245mm)	8'
		616823-080	49" (1245mm)	10'
		Add 616823-050*	Add 23-7/8" (605mm)	

## Bottom Rod

For push bar location at 39-5/8" (1006 mm) from finished floor

Illustration	Device No.	Part No.	Rod Length
	Q2200 Q2500 (SVR/3PT)	616823-010	31-7/8" (807mm)
	Q2300 (CVR)	616823-060	31-3/4" (805mm)

Miscellaneous



## Gravity Coordinator

CR-07/CR-09

- The Gravity coordinator is applied on pair doors to allow inactive door to close before the active door.
- Nylon and rubber rollers provide quiet and efficient operation and help protect the doors from damage.
- Non-handed.
- UL/cUL certified for ANSI/BHMA A156.3 Grade 2 and 3-Hour Fire Rated.
- Finishes: 626.



## Bar Coordinator

CR-32/CR-42/CR-52/CR-60/CR-66/CR-72

- The Bar coordinator is applied on pair doors to allow inactive door to close before the active door.
- All Bar Coordinator units function easily. The active door lever, located nearest to the active stop, holds the active door open until the trigger mechanism is released by the closing of the inactive door.
- All Bar Coordinator units are equipped with an adjustable override feature which allows the active door to close first under extreme pressure.
- All Bar Coordinator units are compatible with Flush Bolts.
- Finishes: 626.



## Carry Open Bar

CR-CB

- The Carry Open Bar is applied on pair doors.
- When the inactive door is opened, the Carry Open Bar provides the automatic opening of the active door as well.
- The Carry Open Bar cannot be installed along with Flush Bolts.
- Non-handed.
- Finishes: 626.



## Dummy Push Bar

DP3/DP4 Inactive

- A push/pull operation can be accomplished by using an outside dummy trim.
- Size: 3' or 4' (914mm or 1219mm).
- Finishes: See page 9.

## Electric Latch Retraction – ELR (ED)



Latch Retraction for the Exit Device can be remoted for ELR option. Continuous duty solenoid can retract Latchbolts under condition of unlatching or continually dogging. The ELR option can be applied with card readers, toggles or key switches, push buttons and fire alarm systems. PS100 power supply is required for the use of ELR option.

- UL Listed for Panic and Fire for Class II Circuitry.
- ELR is available with manual Flat/Hex Key for Panic Exit Devices.

### **Solenoid Specifications :**

- Current Pulse (0.3 seconds) : 24 VDC, 16 Amp.
- Continuous : 24 VDC, 0.3 Amp.

## Signal Switch – SS



### **Micro-switch Detecting Pushbar and Latch bolt**

Two internal switches are mounted into the device. (One switch is designed to monitor push bar and latch bolt assembly while there is unauthorized use to the device, alarm will be sounded once the switch has been activated). The other switch is to connect with the 1 1/4" (32mm) mortise with straight cam when alarm has been triggered. A power supply must be set from the frame to the door.

### **Electrical Ratings :**

- 24VDC, 2 Amp SPDT.  
SPDT (Single Pole, Double Throw)

Electrical  
options

## Alarm Exit – AL

The Alarm Exit provides a simple way to audibly monitor the use of an exit device. The unit contains an alarm which is activated when the push bar is depressed. Alarm sounds at 85db. The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal. Can also be powered using the PS-100 Power Supply.



The AL requires a standard 1-1/4" Mortise Cylinder which is used as a key switch to perform the following functions:

- Silence the alarm after activation.
- Deactivate the alarm for continuous unmonitored egress.
- Activate mechanical dogging for Non-Fire Rated Devices.

Available for all Q1000 Series Devices from 3'0" to 4'0" wide doors, decal for application on door:

**EMERGENCY EXIT ONLY**  
**PUSH TO OPEN ALARM WILL SOUND**

The AL is available with 2 optional circuit boards. External Inhibit (EI) allows for the use of external switch to be used to arm, disarm and reset the alarm. Auto Reset (AR) rearms the alarm after a preset time. AR is available in three factory set times – 1-1/2, 3 or 5 minutes.

The Alarm Exit is available in kits for retrofit on existing Q1000 Series Devices. Specify finish when ordering.

Alarm kits are available with a choice of two switch kits, RX or LM. RX monitors the push pad and is furnished standard.

To order:  
Example ALK Kit-36-630

## Request to Exit – RX

### Micro-switch Detecting Pushbar

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

#### Electrical Ratings :

- Switch rated : 24VDC, 0.5Amp SPDT. SPDT (Single Pole, Double Throw)

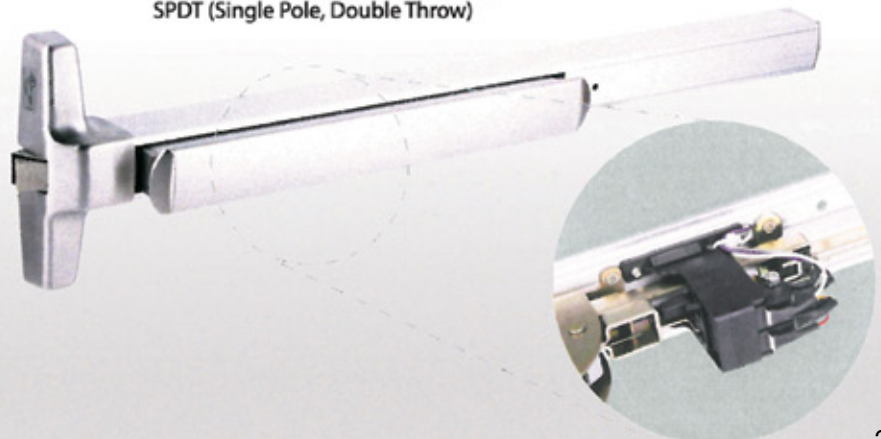
## Latch Bolt Monitoring – LM

### Micro-switch Detecting Latch Bolt

The LM feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

#### Electrical Ratings :

- Switch rated : 24VDC, 0.5Amp SPDT. SPDT (Single Pole, Double Throw)



## Delayed Egress Device – DE



The Delayed Egress Exit Device provides a controlled egress for openings which require Panic or Fire Exit Hardware for safe egress. It is a self contained exit device, which when armed will deny exit to unauthorized personnel for 15 or 30 seconds, while simultaneously sounding a local or remote audible alarm. The Remote Monitoring feature will alert the security personnel that an attempt is being made to exit the opening. After the 15 (or 30) second delay of egress period, the device will function as a standard exit device for safe egress.

### OPERATION :

The device secures the door in the locked mode with the Red LED indicating locked status. Depressing the Push bar by accident or for less than the Nuisance Delay Time will sound the alarm without initiating the alarm sequence. Depressing the Push bar with less than 15 pounds pressure, for longer than the Nuisance Delay Time will initiate an irreversible local audible beeping tone and a visual Red indicator until the device releases. After the delay egress time, the lock releases and the alarm changes to a steady tone which continues to alarm until Reset. The remote monitoring contact output can be used to alert security personnel.

The Delayed Egress device includes decal for application on door :

**PUSH UNTIL ALARM SOUNDS  
DOOR CAN BE OPENED IN 15 SECONDS**

### Note :

A "30 Second" decal is provided when the 30 Second Delay option is specified.

### Solenoid Specifications :

- Current Pulse (0.3 seconds) : 24 VDC, 16 Amp.
  - Continuous : 24 VDC, 0.3 Amp
- Requires PS100 Power Supply.



## QPS100 Power Supply



The QPS100 Power Supply is applicable for extensive range of electrical products. Q100-2 PCB is REQUIRED for use of ELR devices. The series Q100 has an option to provide key to lock the enclosure. Battery backup has two hours backup power at full load during an A.C. power failure. "Batteries will automatically recharge when failed power is restored. Fire Alarm provides input for a normally closed fire alarm contact. When the fire alarm contact is "open", power to locks or other component is removed. Restoring power is field selectable for automatic or manual."

### Specifications :

- UL listed for Class II output
- LED indicators for AC input, DC output and battery backup status.
- The power supply can control up to (4) Delayed Egress Exit Devices.
- Circuit breakers provide protection for Motherboard.
- Standard input options: 120VAC, 1.0 Amp or 240VAC, 0.5 Amp.
- Output power: 24VDC, 2 Amp or 12VDC, 4 Amp.
- Power Supply box: 10" high x 12-1/2" wide x 5" deep (254mm x 318mm x 127mm), gray with a hinged cover and constructed of heavy 19 gauge steel.
- 3 options: (1) Key lock  
(2) Fire alarm  
(3) Battery backup (2hrs) while A.C. power failure

### To order :

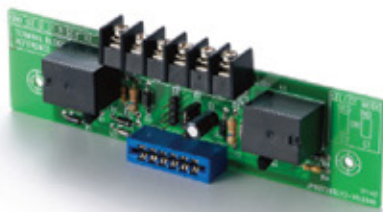
The Power Supply model is determined on the number of devices requiring electrical power:

QPS101	Voltage 120VAC
QPS102	Voltage 240VAC
QPS101K	Voltage 120VAC with Key lock
QPS102K	Voltage 240VAC with Key lock
QPS101-2	Two (2) Zone Controller Board
QPS101-4	Two (2) Zone Controller Board x 2
QPS101-FA	Fire Alarm
QPS101-BB	Battery Backup

Power Supply  
QPS100

## Optional Circuit Cards

Q100-2 Two (2) Zone Controller Board



Q100-BB Battery Backup



Q100-FA Fire Alarm



Batteries



The QPS100 series is available with several optional circuit cards to provide system flexibility. The power supply will accept one or a combination of any two cards.

**To order :**

Q100-2	Two (2) Zone Controller Board
Q100-K	Key lock
Q100-101	120VAC Power Supply Board
Q100-102	240VAC Power Supply Board
Q100-FA	Fire Alarm
Q100-BB	Battery Backup

**Maximum wire run :**

- 75 ft. with 14 gauge wire and 28 gauge Power Transfer
- 100 ft. with 14 gauge wire and 24 gauge Power Transfer
- 200 ft. with 12 gauge wire and 24 gauge Power Transfer

## Power Transfer – EPT

EPT-1 Power Transfer with steel housing and flexible tube. Secure and inconspicuous channel to bring power from the frame to the door. Narrow, shallow channel easily mortises into door edges. Accepts up to 5/16" diameter wire bundle. Accommodates doors that swing open 120 degrees. Unit is concealed when the door is closed. Suitable for wood, aluminum or steel door applications.

EPT-2 Armored flex conduit. Accepts up to 1/4" diameter wire bundle. Eighteen inches long.

**To order :**

Specify EPT-1  
Specify EPT-2



## QF2000 Series Narrow Stile Fire Exit Devices

### Maximum Door Opening Applications and Listings

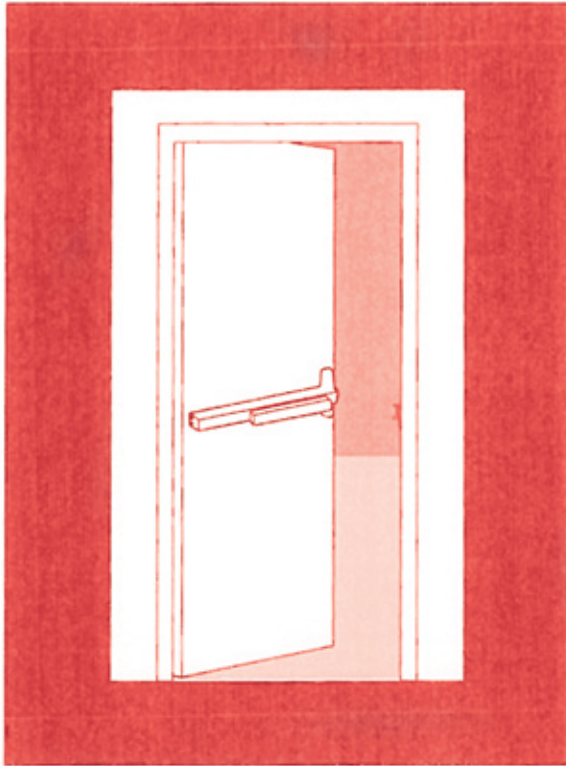
Exit Devices	Door Metal	Single Door	Double Door			
			With Q170 Mullion	With Q270 Mullion	VR/VR Same Direction	VR/VR Double Egress
QF2100 RIM	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—
QF2200 SVR	Metal	3 Hour 4' x 10'	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'
QF2200 LBR	Metal	3 Hour 4' x 10'	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'
QF2300 CVR	Metal	3 Hour 4' x 10'	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'
QF2300 LBR	Metal	3 Hour 4' x 10'	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'
QF2500 3PT	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—

#### Notes:

1. Fire Exit Device Conforms to UL10C and UBC7-2.
2. Fire Exit Device is applicable for wood door with 1-1/2 Hour or 1/3 Hour rating.
3. Consult with Door Manufacturer for specific limitations on Fire Door Assemblies.

Fire Door  
Applications and Listings

# Typical Installation

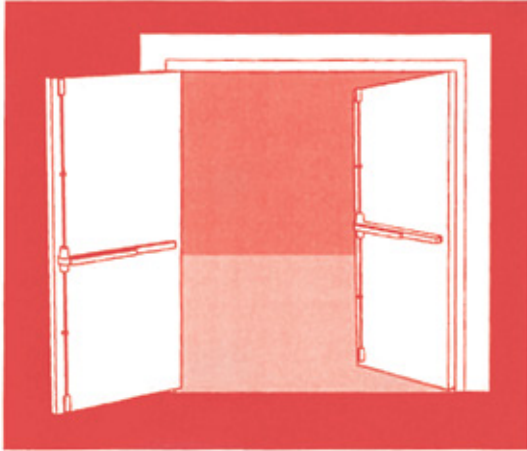


## Single Door

### Rim Exit Device / Vertical Rod Exit Devices

<b>Panic</b>	RIM	Q2100	Up to 4' x 10' Door Size
	SVR	Q2200	
	CVR	Q2300	
	3PT	Q2500	
<b>Fire (3 Hours)</b>	RIM	QF2100	Up to 4' x 8' Door Size
	SVR	QF2200	Up to 4' x 10'
	CVR	QF2300	Door Size
	3PT	QF2500	Up to 4' x 8' Door Size

# Typical Installation



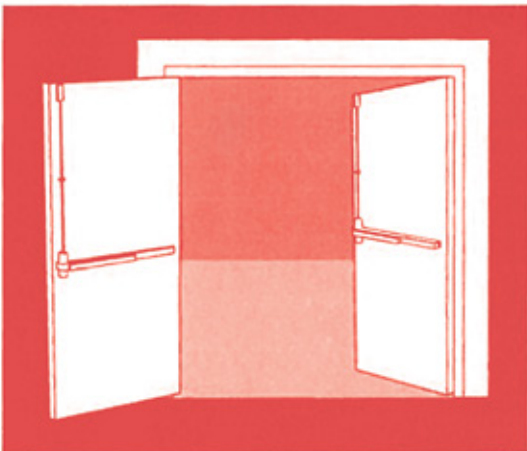
## Double Egress Opening

### Two Surface Vertical Rod Devices

<b>Panic</b>	SVR x SVR	Q2200 x Q2200	Up to 8' x 10'
<b>Fire (3 Hours)</b>	SVR x SVR	QF2200 x QF2200	Door Size

### Two Concealed Vertical Rod Devices

<b>Panic</b>	CVR x CVR	Q2300 x Q2300	Up to 8' x 10'
<b>Fire (3 Hours)</b>	CVR x CVR	QF2300 x QF2300	Door Size



## Double Egress Opening Less Bottom Rod

### Two Surface Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	SVR x SVR	Q2200LBR x Q2200LBR	Up to 8' x 10'
<b>Fire (3 Hours)</b>	SVR x SVR	QF2200LBR x QF2200LBR	Door Size

### Two Concealed Vertical Rod Devices

<b>Panic</b>	CVR x CVR	Q2300LBR x Q2300LBR	Up to 8' x 10'
<b>Fire (3 Hours)</b>	CVR x CVR	QF2300LBR x QF2300LBR	Door Size

**Note:** Fire Rated Door with Auxiliary Fire Bolt.



## Two Rim Exit Devices with Removable Mullion, Same Direction

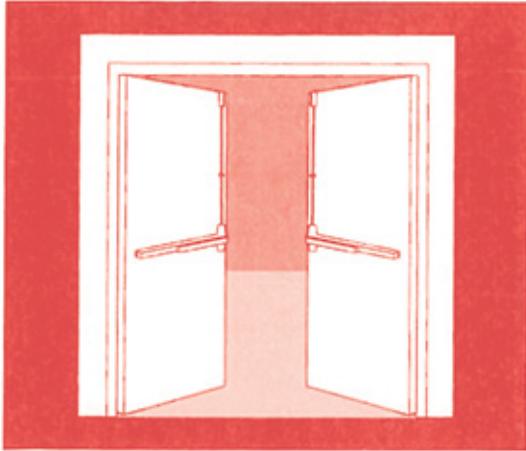
### Two Rim Exit Devices with Removable Mullion

<b>Panic</b>	RIM x RIM	Q2100 x Q2100	Up to 8' x 10' Door Size
<b>Fire (3 Hours)</b>	RIM x RIM	QF2100 x QF2100	Up to 8' x 10' Door Size

### Two Three-Point Latching Devices with Removable Mullion

<b>Panic</b>	3PT x 3PT	Q2500 x Q2500
<b>Fire (3 Hours)</b>	3PT x 3PT	QF2500 x QF2500

**Note:** With 170 Keyed / 270 Non-Keyed Removable Mullion.



## Two Vertical Rod Devices, Same Direction Less Bottom Rod (Do not use overlapping astragal)

### Surface Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	SVR x SVR	Q2200LBR x Q2200LBR	Up to 8' x 10'
<b>Fire (3 Hours)</b>	SVR x SVR	QF2200LBR x QF2200LBR	Door Size

### Concealed Vertical Rod Devices Less Bottom Rod

<b>Panic</b>	CVR x CVR	Q2300LBR x Q2300LBR	Up to 8' x 10'
<b>Fire (3 Hours)</b>	CVR x CVR	QF2300LBR x QF2300LBR	Door Size

**Note:** Fire Rated Door with Auxiliary Fire Bolt.



## Two Vertical Rod Devices, Same Direction (Do not use overlapping astragal)

### Two Surface Vertical Rod Devices

<b>Panic</b>	SVR x SVR	Q2200 x Q2200	Up to 8' x 10'
<b>Fire (3 Hours)</b>	SVR x SVR	QF2200 x QF2200	Door Size

### Two Concealed Vertical Rod Devices

<b>Panic</b>	CVR x CVR	Q2300 x Q2300	Up to 8' x 10'
<b>Fire (3 Hours)</b>	CVR x CVR	QF2300 x QF2300	Door Size



## Vertical Rod Devices / RIM Exit Devices, Same Direction

### One Rim Exit Device x One Vertical Rod Device

<b>Panic</b>	RIM x SVR	Q2100 x Q2200	Up to 8' x 10' Door Size
	RIM x CVR	Q2100 x Q2300	
<b>Fire (3 Hours)</b>	RIM x SVR	QF2100 x QF2200	
	RIM x CVR	QF2100 x QF2300	

## How to Order Mechanical Device - RIM, CVR, SVR, 3PT

### LINE 1 – DEVICE

LINE 1 – DEVICE

Q2200

36"

626

LD

LBR

Device Number and Rating:

Panic

Q2100 RIM

FIRE

QF2100 RIM

Q2200 SVR

FIRE

QF2200 SVR

Q2300 CVR

FIRE

QF2300 CVR

Q2500 3PT

FIRE

QF2500 3PT

Device Size:

36" and 48"

Finish (see page 9):

605 (US3)

613 (US10B)

626 (US26D)

606 (US4)

625 (US26)

630 (US32D)

Dogging (see page 26):

Blank

Flat/Hex Key Dogging

CD

Cylinder Dogging

LD

Less Dogging

Bottom Rod and Latch Options:

LBR

Less Bottom Rod

PL

Pullman Latch

For Push Bar Trim Options, see page 9. Add as suffix.

### LINE 2 – STRIKE OPTIONS

Standard strikes included with Device.

Q106 RIM Strike      Q227 SVR, CVR, 3PT Bottom Strike

Optional strikes sold separately.

Q103 RIM Strike      Q216 CVR Top Strike  
 Q108 RIM Strike      Q224 SVR, CVR, 3PT Bottom Strike  
 Q136 RIM Pair Door Strike  
 Q203 SVR Top Strike  
 Q215 SVR Top Strike

### LINE 3 – MECHANICAL TRIM

				Q509R	605	D
Trim Number (see pages 20-21):						
Q400 Series	Q401	Q402	Q403R			
Q500 Series	Q502	Q503R	Q508M	Q509R	Q511M	Q512R
	Q514	Q516	(Q511P+Q402, Q516P+Q402 applicable with CVR, SVR)			
Finish:	605 (US3)	606 (US4)	613 (US10B)	625 (US26)	626 (US26D)	630 (US32D)
Lever/Knob:	D Q A K / B P T			Thumbpiece: GD GK		

### LINE 4 – SFIC CYLINDERS

For Q403R

For Q503R, Q509R, and Q512R

For Q508M Q511M, and Q511P+Q402

For Cylinder Dogging

For Schlage C Plug option

Note: Q403R also needs Cylinder Guard 611824-020. With Standard Cylinder order Cylinder Guard 4240-0203-finish. Thick door uses 4240-0203-finish. For specification details, please contact MBS.

For Sex Bolts (SNB) consult chart on page 10.

order 40500-finish

order 40500-finish

order 442-601-finish-440-0708

order 442-701-finish-440-0706

consult Cylinder chart on page 25.

Ordering  
Information

## How to Order Electrified Device - RIM, CVR, SVR, 3PT

### LINE 1 – DEVICE

Prefix for Electric Options:

AL	Alarm Exit
DE	Delayed Egress Device
ELR	Electric Latch Retraction
LM	Latch Bolt Monitoring
RX	Request to Exit
SS	Signal Switch

Additional Available Combinations:

ELR-LM  
ELR-RX  
ELR-RX-LM  
RX-LM

Device Number and Rating:

Panic	Q2100 RIM	FIRE	QF2100 RIM
	Q2200 SVR	FIRE	QF2200 SVR
	Q2300 CVR	FIRE	QF2300 CVR
	Q2500 3PT	FIRE	QF2500 3PT

Device Size:  
36" and 48"

Finish (see page 9):

605 (US3)	613 (US10B)	626 (US26D)
606 (US4)	625 (US26)	630 (US32D)

Dogging (see page 26):

Blank	Flat/Hex Key Dogging
CD	Cylinder Dogging
LD	Less Dogging

Bottom Rod and Latch Options:

LBR	Less Bottom Rod
PL	Pullman Latch

Note: for DE with 30 second delay option, add -30 suffix  
For Push Bar Trim Options, see page 9. Add as suffix.

### LINE 2 – STRIKE OPTIONS

Standard strikes included with Device.

Q106 RIM Strike      Q227 SVR, CVR, 3PT Bottom Strike

Optional strikes sold separately.

Q103 RIM Strike	Q216 CVR Top Strike
Q108 RIM Strike	Q224 SVR, CVR, 3PT Bottom Strike
Q136 RIM Pair Door Strike	
Q203 SVR Top Strike	
Q215 SVR Top Strike	

### LINE 3 – MECHANICAL TRIM

Trim Number (see pages 20-21):

Q400 Series	Q401	Q402	Q403R					
Q500 Series	Q502	Q503R	Q508M	Q509R	Q511M	Q512R	Q514	Q516
(Q511P+Q402, Q516P+Q402 applicable with CVR, SVR)								

Finish:      605 (US3)      606 (US4)      613 (US10B)      625 (US26)      626 (US26D)      630 (US32D)

Lever/Knob:      D Q A K / B P T      Thumbpiece: GD GK

### LINE 4 – SFIC CYLINDERS

For Q403R

For Q503R, Q509R, and Q512R

For Q508M Q511M, and Q511P+Q402

For Cylinder Dogging

For Schlage C Plug option

Note: Q403R also needs Cylinder Guard 611824-020. With Standard Cylinder order Cylinder Guard 4240-0203-finish. Thick door uses 4240-0203-finish. For specification details, please contact MBS.

For Sex Bolts (SNB) consult chart on page 10.

order 40500-finish

order 40500-finish

order 442-601-finish-440-0708

order 442-701-finish-440-0706

consult Cylinder chart on page 25.

Ordering  
Information



# Marshall Best Security Corporation

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