

# Sex bolts

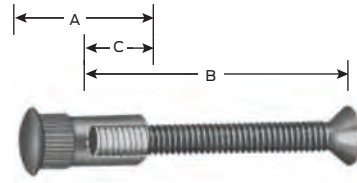
Sex Bolts when ordered with devices may be furnished with screw lengths different than shown in Column B. On page 7, Column B indicates popular sizes. Sex Bolts ordered separately are not furnished with screws. If screws are required refer to chart on page 7 and order screws by description as a separate item. Other screw lengths may be used based on minimum and maximum allowable thread engagement, shown in column "C." Quantity required — refer to device section, quantities differ depending on outside trim.

425 sex bolts are required for 22/88/98/99 series fire rated devices when used on wood door applications. When wood doors are specified for these devices, sex bolts will be added to the device application unless SLM blocking package is specified.

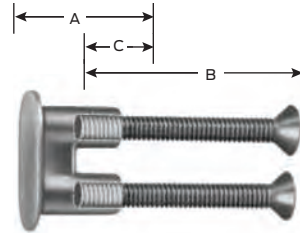
825 sex bolts are required with 98-F/99-F rim devices on wood door applications using EO, NL, TP, K and L outside trims. Two 825 sex bolts will be added to the device application unless SLM blocking package is specified.

**To order, specify**

1. Model number
2. Quantity (2 per package)
3. Finish
4. Door thickness other than 1<sup>3</sup>/<sub>4</sub>" (44mm).



325,425,625A & 625B



525



Refer to page 7 for A, B and C lengths

# Vertical rods

## Rim, mortise and concealed vertical rod

| Device type   | Door thickness | Center case |          |                        |                                 | Hinge case |          |                      |                                 |
|---|----------------|-------------|----------|------------------------|---------------------------------|------------|----------|----------------------|---------------------------------|
|   |                | Sex Bolt    |          |                        | C Thread engagement min. - max. | Sex bolt   |          |                      | C Thread engagement min. - max. |
|   |                | No.         | A        | B Screw                |                                 | No.        | A        | B Screw              |                                 |
| 22  | 1 3/4" (44mm)  | 425         | 1 9/16"  | 10-24 x 1" PPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1 3/4" PPHMS | 9/32" - 5/8"                    |
|   | 2 1/4" (57mm)  | 425         | 1 9/16"  | 10-24 x 1 1/2" PPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    |
| 33A, 3347A, 3347A-F<br>35A, 3547A, 3547A-F                              | 1 3/4" (44mm)  | 325         | 1 9/32"  | 1/4"-20 x 1" FPHMS     | 3/8" - 11/16"                   | 425        | 1 9/16"  | 10-24 x 1 3/4" PPHMS | 9/32" - 5/8"                    |
|   | 2 1/4" (57mm)  | 325         | 1 9/32"  | 1/4"-20 x 1 1/2" FPHMS | 3/8" - 11/16"                   | 425        | 1 9/16"  | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    |
| 55  | 1 3/4" (44mm)  | 625A        | 2 5/16"  | 12-24 x 3/4" OPHMS     | 11/32" - 13/16"                 | 625A       | 2 5/16"  | 12-24 x 3/4" OPHMS   | 9/32" - 13/16"                  |
|   | 2 1/4" (57mm)  | 625B        | 2 13/16" | 12-24 x 3/4" OPHMS     | 11/32" - 1"                     | 625B       | 2 13/16" | 12-24 x 1 1/4" OPHMS | 11/32" - 1"                     |
| 5575, 5575-F<br>5547, 5547F   | 1 3/4" (44mm)  | —           | —        | —                      | —                               | 625A       | 2 5/16"  | 12-24 x 3/4" OPHMS   | 11/32" - 13/16"                 |
|   | 2 1/4" (57mm)  | —           | —        | —                      | —                               | 625B       | 2 13/16" | 12-24 x 1 1/4" OPHMS | 11/32" - 1"                     |
| 88, 88-F, 8875,<br>8875-F   | 1 3/4" (44mm)  | 425         | 1 9/16"  | 10-24 x 1 1/2" OPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1 1/2" OPHMS | 9/32" - 5/8"                    |
|   | 2 1/4" (57mm)  | 425         | 1 9/16"  | 10-24 x 2" OPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 2" OPHMS     | 9/32" - 5/8"                    |
| 8847-F  | 1 3/4" (44mm)  | —           | —        | —                      | —                               | 425        | 1 9/16"  | 10-24 x 1 1/2" OPHMS | 9/32" - 5/8"                    |
|   | 2 1/4" (57mm)  | —           | —        | —                      | —                               | 425        | 1 9/16"  | 10-24 x 2" OPHMS     | 9/32" - 5/8"                    |
| 98, 9875, 9875-F,<br>9847, 9847-F,<br>99, 9975, 9975-F,<br>9947, 9947-F | 1 3/4" (44mm)  | 425         | 1 9/16"  | 10-24 x 1" PPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1" PPHMS     | 9/32" - 5/8"                    |
|   | 2 1/4" (57mm)  | 425         | 1 9/16"  | 10-24 x 1 1/2" PPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1 1/2" PPHMS | 9/32" - 5/8"                    |
| 98-F, 99-F*   | 1 3/4" (44mm)  | 425         | 1 9/16"  | 10-24 x 1" PPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 3/4" PPHMS   | 9/32" - 5/8"                    |
|   |                | 825A*       | 1 13/16" | 10-24 x 3/4" PPHMS     | 9/32" - 5/8"                    |            |          |                      |                                 |
|   | 2 1/4" (57mm)  | 425         | 1 9/16"  | 10-24 x 1 1/2" PPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16"  | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    |
|   |                | 825B*       | 1 13/16" | 10-24 x 3/4" PPHMS     | 9/32" - 5/8"                    |            |          |                      |                                 |

## Surface vertical rod

| Device type                       | Door thickness | Center case |         |                        |                                 | Hinge case |         |                      |                                 | Top & bottom latch case |         |                         |                                 |
|-----------------------------------|----------------|-------------|---------|------------------------|---------------------------------|------------|---------|----------------------|---------------------------------|-------------------------|---------|-------------------------|---------------------------------|
|                                   |                | Sex bolt    |         |                        | C Thread engagement min. - max. | Sex bolt   |         |                      | C Thread engagement min. - max. | Sex bolt                |         |                         | C Thread engagement min. - max. |
|                                   |                | No.         | A       | B Screw                |                                 | No.        | A       | B Screw              |                                 | No.                     | A       | B Screw                 |                                 |
| 2227,<br>2227-F                   | 1 3/4" (44mm)  | 425         | 1 9/16" | 10-24 x 1" PPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 3/4" PPHMS   | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 3/4" UFPHMS   | 3/8" - 1/8"                     |
|                                   | 2 1/4" (57mm)  | 425         | 1 9/16" | 10-24 x 1 1/2" PPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 1 1/4" UFPHMS | 3/8" - 1/8"                     |
| 3327A<br>3527A                    | 1 3/4" (44mm)  | 325         | 1 9/32" | 1/4"-20 x 1" FPHMS     | 3/8" - 11/16"                   | 425        | 1 9/16" | 10-24 x 3/4" PPHMS   | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 3/4" UFPHMS   | 3/8" - 1/8"                     |
|                                   | 2 1/4" (57mm)  | 325         | 1 9/32" | 1/4"-20 x 1 1/2" FPHMS | 3/8" - 11/16"                   | 425        | 1 9/16" | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 1 1/4" UFPHMS | 3/8" - 1/8"                     |
| 8827,<br>8827-F                   | 1 3/4" (44mm)  | 425         | 1 9/16" | 10-24 x 1 1/2" OPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 1 1/2" OPHMS | 9/32" - 5/8"                    | 425                     | 1 9/32" | 10-24 x 3/4" PPHMS      | 9/32" - 5/8"                    |
|                                   | 2 1/4" (57mm)  | 425         | 1 9/16" | 10-24 x 2" OPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 2" OPHMS     | 9/32" - 5/8"                    | 425                     | 1 9/32" | 10-24 x 1 1/4" PPHMS    | 9/32" - 5/8"                    |
| 9827,<br>9827-F<br>9857<br>9857-F | 1 3/4" (44mm)  | 425         | 1 9/16" | 10-24 x 1" PPHMS       | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 3/4" PPHMS   | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 3/4" UFPHMS   | 3/8" - 1/8"                     |
| 9927,<br>9927-F<br>9897<br>9957-F | 2 1/4" (57mm)  | 425         | 1 9/16" | 10-24 x 1 1/2" PPHMS   | 9/32" - 5/8"                    | 425        | 1 9/16" | 10-24 x 1 1/4" PPHMS | 9/32" - 5/8"                    | 325                     | 1 9/32" | 1/4"-20 x 1 1/4" UFPHMS | 3/8" - 1/8"                     |

**FPHMS** — Flat Phillips head machine screw  
**OPHMS** — Oval Phillips head machine screw  
**PPHMS** — Pan Phillips head machine screw  
**UFPHMS** — Undercut flat Phillips head machine screw