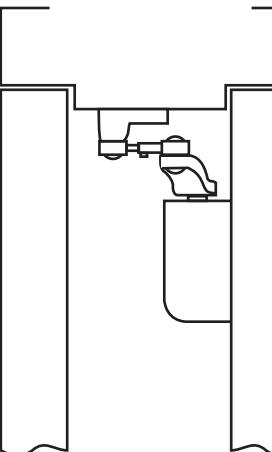


**CAUTION:** Door swing may be limited by door, frame, wall or hardware conditions

\* Measure from soffit plate mounting surface. 413A soffit plate may be applied onto frame rabbet when frame stop height does not exceed 5/8" (16mm).



| Opening      | Dim. "A" |     | Dim. "B" |     |
|--------------|----------|-----|----------|-----|
|              | inches   | mm  | inches   | mm  |
| To 100°      | 8-3/4    | 222 | 9-1/4    | 235 |
| 101° to 130° | 7-1/4    | 184 | 7-3/4    | 197 |
| 131° to 150° | 6-1/4    | 159 | 6-3/4    | 171 |
| 151° to 180° | 5-1/4    | 133 | 5-3/4    | 146 |

#### Preparation for Fasteners

|                                | Fasteners  | Door or Frame                        | Drill Sizes  |
|--------------------------------|--|--------------------------------------|--|
| Standard                       | #14 type "A" S.M. screw<br>Arm: 1-1/4" (32mm)<br>Closer: 2-3/4" (70mm) | Wood                                 | 3/16" (4.30mm)   |
|                                |  | Aluminum                             | 7/32" (5.50mm)   |
| 1/4-20 machine-screw           | Metal  | drill: #7 (.201" dia)<br>tap: 1/4-20 |  |
| Optional                       | Sex-nuts and bolts   | Hollow-Metal                         | 9/32" (7.00mm) through;<br>3/8" (9.50mm) on door or transom-face opposite to closer                            |
|                                |  | Aluminum or Wood                     | 3/8" (9.500mm) through   |
| Through-bolts and grommet-nuts | All  |                                      | 9/32" (7.00mm) through;<br>3/8" (9.50mm) dia. x 3/8" (9.500mm) deep on door or transom-face opposite to closer |

#### NOTES:

- Do not scale drawing.
- Left hand door shown.
- Dimensions are given in inches (mm).
- Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
- Through bolts required for wood or plastic faced fire-door mounting.
- Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm) unless otherwise noted.

**4400 Series Door Closer**  
**Model PA4400 With or Without 488 Drop Plate**  
**Parallel Arm Application, Non-Hold Open with 413A Soffit Plate**

**ACCENTRA**  
**ASSA ABLOY**

| TEMPLATE NUMBER | REV | DATE  |
|-----------------|-----|-------|
| 7344-0203       | 3   | 05/24 |