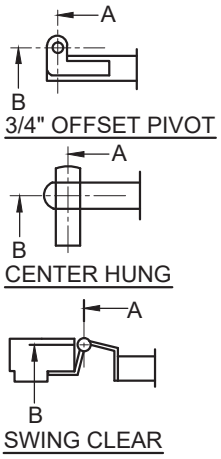
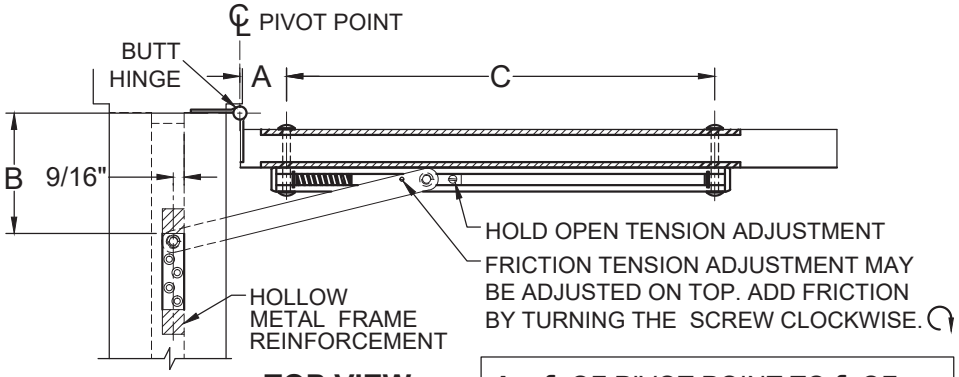
# 9000 SERIES HOLDERS & STOPS

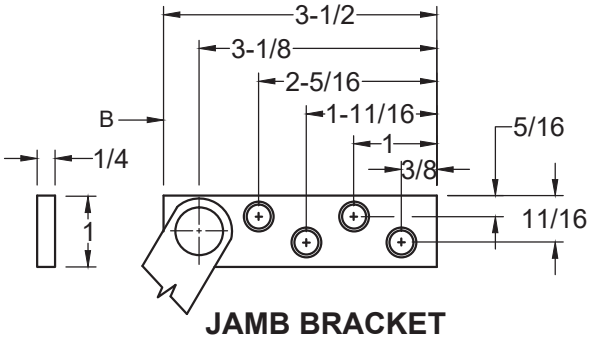
## SURFACE MOUNT



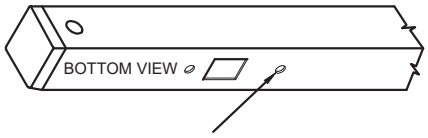




**TOP VIEW**

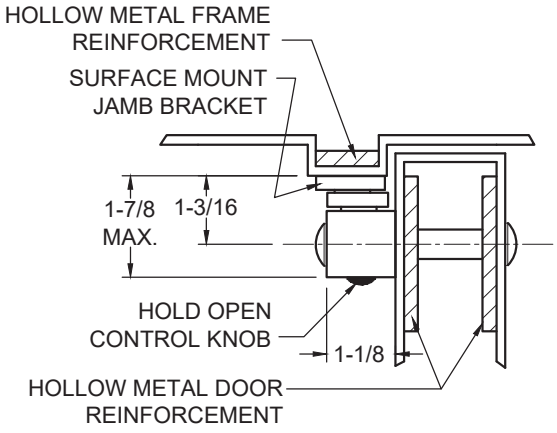
**A** = ℄ OF PIVOT POINT TO ℄ OF FIRST SEX BOLT.
**B** = ℄ OF PIVOT POINT TO START OF JAMB BRACKET
C = ℄ OF FIRST SEX BOLT TO ℄ OF SECOND SEX BOLT.



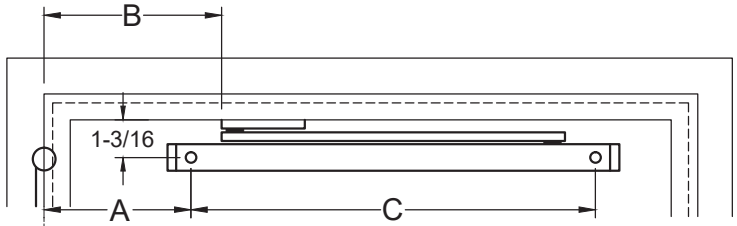

**JAMB BRACKET**




ALIGN FRICTION TENSION ADJUSTMENT SCREW TO THIS HOLE.
ADD FRICTION BY TURNING THE SCREW COUNTERCLOCKWISE.




**SINGLE ACTING DOOR**




SPECIFY ANGLE JAMB BRACKET 90541 FOR HINGE SIDE OR FLUSH TRANSOM MOUNTING

| SCREW DETAIL | | | |
|---|---|---|---|
| | QTY | WOOD | METAL |
| JAMB | 4 | ● #14 x 1-1/2" FLAT HEAD WOOD SCREW | ● 1/4-20 x 3/4" FLAT HEAD MACHINE SCREW |
| DOOR | 2 | ● 5/16-18 x 2" TRUSS HEAD MACHINE SCREW<br>● 1/2" DIA. SEX BOLT | |

**NOTES:**

1. REVERSIBLE/ NON - HANDED
2. FOR SINGLE ACTING DOORS ONLY
3. ALL DRILLING & TAPPING TO BE DONE IN FIELD.
4. ALWAYS REQUEST LATEST TEMPLATE/ DRAWING FOR NEW INSTALLATIONS.
5. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED OTHERWISE.
6. DRAWING IS NOT TO SCALE

9000-1-09.DWG

# 9000 SERIES SURFACE HOLDERS & STOPS, SURFACE MOUNT

## • 9010 HOLD-OPEN • 9020 STOP • 9030 FRICTION

1. FOR DEAD STOP ADD 5/8" TO "A" DIMENSION
2. ALL DIMENSIONS ARE IN INCHES.

* BUTT HINGES ONLY
** BUTT HINGES & OFFSET PIVOTS ONLY

| | DEGREE | 85° H.O. | | 90° H.O. | | 95° H.O. | | 100° H.O. | | 105° H.O. | | 110° H.O. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MODEL NO. / DOOR OPENING | A | B | A | B | A | B | A | B | A | B | A | B | C |
| DOOR THICK-NESS<br>1-3/4" TO 2-1/4"<br>BUTT HINGE,<br>SWING CLEAR HINGE OR 3/4" OFFSET PIVOT | •9018 •9028 •9038 / 24 TO 27-15/16 | ** 3-3/8 | ** 5-1/2 | ** 3 | ** 5-7/16 | ** 2-3/4 | ** 4-13/16 | ** 2-1/2 | ** 4-5/16 | * 2-1/4 | * 4-5/16 | — | — | 17-1/2 |
| | •9011 •9021 •9031 / 28 TO 29-15/16 | ** 3-1/16 | ** 7-9/16 | ** 2-9/16 | ** 7-1/16 | ** 2-1/4 | ** 6-3/4 | ** 1-15/16 | ** 6-7/16 | ** 1-5/8 | ** 6-1/8 | ** 1-3/8 | ** 5-7/8 | 20-1/2 |
| | •9012 •9022 •9032 / 30 TO 31-15/16 | 5-3/16 | 8 | 4-11/16 | 7-1/2 | 4-5/16 | 7-1/8 | 4 | 6-13/16 | 3-11/16 | 6-1/2 | 3-7/16 | 6-1/4 | 20-15/16 |
| | •9013 •9023 •9033 / 32 TO 35-15/16 | 5-15/16 | 8-5/8 | 5-3/8 | 8-1/16 | 5 | 7-11/16 | 4-5/8 | 7-5/16 | 4-5/16 | 7 | 4 | 6-11/16 | 21-5/8 |
| | •9014 •9024 •9034 / 36 TO 39-15/16 | 8-7/8 | 9-11/16 | 8-1/4 | 9-1/16 | 7-13/16 | 8-5/8 | 7-3/8 | 8-3/16 | 7-1/16 | 7-7/8 | 6-11/16 | 7-1/2 | 22-13/16 |
| | •9015 •9025 •9035 / 40 TO 41-15/16 | 11-3/4 | 10-3/4 | 11-1/16 | 10-1/16 | 10-5/8 | 10-5/8 | 10-1/16 | 9-1/16 | 9-11/16 | 8-11/16 | 9-5/16 | 8-5/16 | 24 |
| | •9016 •9026 •9036 / 42 TO 43-15/16 | 13-3/16 | 11-1/4 | 12-1/2 | 10-9/16 | 12 | 10-1/16 | 11-1/2 | 9-9/16 | 11-1/16 | 9-1/8 | 10-5/8 | 8-11/16 | 24-9/16 |
| | •9017 •9027 •9037 / 44 TO 56 | 14-11/16 | 11-13/16 | 13-15/16 | 11-1/16 | 13-3/8 | 10-1/2 | 12-7/8 | 10 | 12-3/8 | 9-1/2 | 11-15/16 | 9-1/16 | 25-1/8 |

| | DEGREE | 85° H.O. | | 90° H.O. | | 95° H.O. | | 100° H.O. | | 105° H.O. | | 110° H.O. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MODEL NO. / DOOR OPENING | A | B | A | B | A | B | A | B | A | B | A | B | C |
| CENTER HUNG | • 9018 • 9028 • 9038 / 26 TO 29-15/16 | 4 | 6-5/8 | 3-3/4 | 6 | 3-1/2 | 5-9/16 | 3-3/4 | 4 | 3-5/8 | 3-3/4 | 3-1/2 | 3-7/16 | 17-1/2 |
| | • 9011 • 9021 • 9031 / 30 TO 33-15/16 | 3-5/8 | 8-1/8 | 3-3/16 | 7-11/16 | 2-13/16 | 7-5/16 | 2-1/2 | 7 | 2-1/4 | 6-3/4 | 2 | 6-1/2 | 20-1/2 |
| | • 9012 • 9022 • 9032 / 34 TO 35-15/16 | 5-13/16 | 8-5/8 | 5-3/8 | 7-3/16 | 4-15/16 | 7-3/4 | 4-5/8 | 7-7/16 | 4-5/16 | 7-1/8 | 4-1/16 | 6-7/8 | 20-15/16 |
| | • 9013 • 9023 • 9033 / 36 TO 38-15/16 | 6-9/16 | 9-1/4 | 6-1/16 | 9-3/4 | 5-5/8 | 8-5/16 | 5-1/4 | 7-15/16 | 4-15/16 | 7-5/8 | 4-5/8 | 7-5/16 | 21-5/8 |
| | • 9014 • 9024 • 9034 / 39 TO 40-15/16 | 9-1/2 | 10-5/16 | 8-15/16 | 10-3/4 | 8-7/16 | 9-1/4 | 8 | 8-13/16 | 7-5/8 | 8-7/16 | 7-1/4 | 8-1/16 | 22-13/16 |
| | • 9015 • 9025 • 9035 / 41 TO 44-15/16 | 12-7/16 | 11-7/16 | 11-13/16 | 10-13/16 | 11-1/4 | 10-1/4 | 10-3/4 | 9-3/4 | 10-5/16 | 9-5/16 | 9-15/16 | 9-3/16 | 24 |
| | • 9016 • 9026 • 9036 / 45 TO 46-15/16 | 13-7/8 | 11-15/16 | 13-3/16 | 11-1/4 | 12-9/16 | 10-5/8 | 12-1/16 | 10-1/8 | 11-5/8 | 9-11/16 | 11-1/4 | 9-5/16 | 24-9/16 |
| | • 9017 • 9027 • 9037 / 47 TO 56 | 15-3/8 | 12-1/2 | 14-11/16 | 11-13/16 | 14-1/16 | 10-5/8 | 13-1/2 | 10-5/8 | 13 | 10-1/8 | 12-5/8 | 9-3/4 | 25-1/8 |

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