DOOR CLOSER MODELS: 7302 - 7305 SPA, SPAT, SPAK
SUPER PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
WITH STANDARD SPACER BLOCK
OPTIONAL NFHD BRACKET AND BSHD BLADE STOP SPACER BLOCK

DORMA Door Controls
Reamstown, PA 17567

Always consult DORMA's web site for latest template at www.dorma-usa.com or call 1-800-523-8483.

<table>
<thead>
<tr>
<th>ANGLE OF OPENING</th>
<th>DIM. &quot;A&quot; CLOSER</th>
<th>DIM. &quot;B&quot; SOFFIT PLATE</th>
<th>DIM. &quot;C&quot; (NFHD BRACKET OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO 100° H.O. 90°</td>
<td>7-3/4 (197)</td>
<td>10-1/8 (257)</td>
<td>11 (279)</td>
</tr>
<tr>
<td>TO 180° H.O. 125°</td>
<td>4-1/4 (108)</td>
<td>6-1/2 (165)</td>
<td>7-3/8 (171)</td>
</tr>
</tbody>
</table>

NOTES:
1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. LEFT HAND DOOR SHOWN.
4. CAUTION: SEX NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOORS AND TO WOOD OR PLASTIC FACED COMPOSITE TYPE FIRE DOORS, UNLESS AN ALTERNATIVE METHOD IS IDENTIFIED IN THE INDIVIDUAL DOOR MANUFACTURER'S LISTINGS.
5. FOR FRAME WIDTHS 4-1/2" AND LESS USE OPTIONAL (NFHD) BRACKET.
6. MINIMUM DOOR WIDTH 26".
7. TEMPLATE BASED ON 4-1/2" x 4-1/2" BUTT HINGES
8. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

*IMPORTANT: CHOOSE APPROPRIATE HOLE LOCATION FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH.
ONE (1) HOLE IN FRAME FOR SPACER BLOCK.

"B" 3 1/4" [83]
"2 23/32" [69] 7/16" [13]
"A" 9 1/16" [230] 3/4" [19]
"C" 1 1/2" [38]
FACE OF STOP OR BSHD
OF HINGE OR PIVOT
FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL & TAP
FOR No.14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
FOUR (4) HOLES IN DOOR FOR CLOSER
DOOR CLOSER MODELS: 7302 - 7305 SPA, SPAT, SPAK
SUPER PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
WITH PLATES DP73, DP86, DP86FC AND STANDARD SPACER BLOCK
OPTIONAL NFHD BRACKET AND BSHD BLADE STOP SPACER BLOCK

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL & TAP
FOR NO. 14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
FOUR (4) HOLES IN DOOR FOR CLOSER

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL & TAP
FOR NO. 14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
FOR SEX NUTS USE 3/8" DRILL
FOUR (4) HOLES IN SOFFIT FOR BRACKET

OPTIONAL NFHD BRACKET
WITH DROP PLATE

WITH DROP PLATE

NOTES:
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5. FOR FRAME WIDTHS 4-1/2" AND LESS USE OPTIONAL (NFHD) BRACKET.
6. MINIMUM DOOR WIDTH 26".
7. TEMPLATE BASED ON 4-1/2" x 4-1/2" BUTT HINGES.
8. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

ANGLES OF OPENING

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<tr>
<th>ANGLE</th>
<th>DIM. &quot;A&quot;</th>
<th>DIM. &quot;B&quot;</th>
<th>DIM. &quot;C&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.O. 123°</td>
<td>7-3/8 (187)</td>
<td>6-1/2 (165)</td>
<td>3-1/4 (83)</td>
</tr>
<tr>
<td>TO 180°</td>
<td>5-3/4 (146)</td>
<td>6-1/2 (165)</td>
<td>3-1/4 (83)</td>
</tr>
<tr>
<td>H.O. 90°</td>
<td>9-3/8 (238)</td>
<td>10-1/8 (257)</td>
<td>11 (279)</td>
</tr>
<tr>
<td>TO 100°</td>
<td>9-3/8 (238)</td>
<td>10-1/8 (257)</td>
<td>11 (279)</td>
</tr>
</tbody>
</table>

DIMENSIONS:"A" 7-3/8" (187); "B" 11/8" (9); "C" 3-1/4" (83)

*IMPORTANT: CHOOSE APPROPRIATE HOLE LOCATION FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH. ONE (1) HOLE IN FRAME FOR SPACER BLOCK.