NOTES:
1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. RIGHT 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. MAX. OPENING IS 180°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

<table>
<thead>
<tr>
<th>ANGLE OF OPENING</th>
<th>DIM. &quot;A&quot;</th>
<th>DIM. &quot;B&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO 100°</td>
<td>7-1/2</td>
<td>13</td>
</tr>
<tr>
<td>(191)</td>
<td>(330)</td>
<td></td>
</tr>
<tr>
<td>100° TO 120°</td>
<td>6-1/2</td>
<td>12</td>
</tr>
<tr>
<td>(165)</td>
<td>(305)</td>
<td></td>
</tr>
<tr>
<td>OVER 120°</td>
<td>4</td>
<td>9-1/2</td>
</tr>
<tr>
<td>(102)</td>
<td>(241)</td>
<td></td>
</tr>
</tbody>
</table>

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
FOR NO.14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
TWO (2) HOLES IN FRAME FOR ARM SHOE

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
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 DOOR FOR CLOSER

DOOR CLOSER MODELS: 7302 - 7305 FH
REGULAR INSTALLATION (PULL SIDE MOUNT)
NOTES:
1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. RIGHT 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. MAX. OPENING IS 180°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
FOR No. 14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
TWO (2) HOLES IN FRAME FOR ARM SHOE

<table>
<thead>
<tr>
<th>ANGLE OF OPENING</th>
<th>DIM. &quot;B&quot; ARM SHOE</th>
<th>DIM. &quot;C&quot; PLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° TO 100°</td>
<td>13 (330)</td>
<td>7-7/8 (200)</td>
</tr>
<tr>
<td>100° TO 120°</td>
<td>12 (305)</td>
<td>6-7/8 (175)</td>
</tr>
<tr>
<td>OVER 120°</td>
<td>9-1/2 (241)</td>
<td>4-3/8 (111)</td>
</tr>
</tbody>
</table>

DOOR CLOSER MODELS: 7302 - 7305 FH
REGULAR INSTALLATION (PULL SIDE MOUNT)
WITH PLATES BP73, BP86

DORMA Architectural Hardware
Reamstown, PA 17567

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