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

FOR 1/4 - 20 MACHINE SCREWS, USE 13/64" OR #7 DRILL & TAP
FOR No. 14 WOOD SCREWS, USE 5/32" DRILL
FOR DPK FASTENERS, USE 1/8" DRILL
FOUR (4) HOLES IN FRAME ARE FOR SOFFIT PLATE

NOTES:
1) DO NOT SCALE THIS DRAWING
2) DIMENSIONS ARE IN INCHES/(MM)
3) LEFT HAND DOOR IS SHOWN
4) CAUTION: SEX NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOOR 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' OR LESS, USE OPTIONAL NFHD BRACKET W/O STANDARD SPACER BLOCK
6) MINIMUM DOOR WIDTH IS 25'
7) OPTIONAL DPK FASTENERS (DPK89) FOR STEEL DOOR & FRAME ONLY

*IMPORTANT: CHOOSE APPROPRIATE FIFTH HOE LOCATION FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH. ONE (1) HOLE IN FRAME FOR STANDARD BLOCK PREPARE HOLE SAME AS SOFFIT PLATE HOLES

FOR 1/4 - 20 MACHINE SCREWS, USE 13/64" OR #7 DRILL & TAP
FOR No. 14 WOOD SCREWS, USE 5/32" DRILL
FOR DPK FASTENERS, USE 1/8" DRILL
OPTIONAL TWO (2) HOLES IN FRAME ARE FOR NFHD BRACKET

<table>
<thead>
<tr>
<th>ANGLE OF HOLD OPEN</th>
<th>ANGLE OF CUSHION</th>
<th>DIM. &quot;A&quot; CLOSER</th>
<th>DIM. &quot;B&quot; SOFFIT PLATE</th>
<th>DIM. &quot;C&quot; NFHD BRACKET</th>
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<tr>
<td>85°</td>
<td>86° - 88°</td>
<td>7&quot; [178]</td>
<td>10-7/8&quot; [276]</td>
<td>11&quot; [279]</td>
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<tr>
<td>90°</td>
<td>91° - 93°</td>
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<td>10-1/8&quot; [257]</td>
<td>11&quot; [279]</td>
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<tr>
<td>100°</td>
<td>101° - 103°</td>
<td>4-7/8&quot; [124]</td>
<td>8-3/4&quot; [222]</td>
<td>9-5/8&quot; [244]</td>
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DOOR CLOSER MODELS: 8916 & 8956 DST/DSK
DOOR SAVER (PARALLEL ARM INSTALLATION) FOR USE WITH STANDARD SPACER BLOCK
FOR USE WITH OPTIONAL NFHD BRACKET

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.

FOR 1/4 - 20 MACHINE SCREWS, USE 13/64” OR #7 DRILL & TAP
FOR NO. 14 WOOD SCREWS, USE 5/32” DRILL
FOR DPK FASTENERS, USE 1/8” DRILL
FOUR (4) HOLES IN FRAME ARE FOR SOFFIT PLATE

NOTES:
1) DO NOT SCALE THIS DRAWING
2) DIMENSIONS ARE IN INCHES [MM]
3) LEFT HAND DOOR IS SHOWN
4) CAUTION: SLEE NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOOR 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” OR LESS, USE OPTIONAL NFHD BRACKET W/O STANDARD SPACER BLOCK
6) MINIMUM DOOR WIDTH IS 28”
7) OPTIONAL DPK FASTENERS (DPK89) FOR STEEL DOOR & FRAME ONLY

*IMPORTANT: CHOOSE APPROPRIATE FIFTH HOLE LOCATION FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH. ONE (1) HOLE IN FRAME FOR STANDARD BLOCK PREPARE HOLE SAME AS SOFFIT PLATE HOLES

OPTIONAL NFHD BRACKET

FOR 1/4 - 20 MACHINE SCREWS, USE 13/64” OR #7 DRILL & TAP
FOR NO. 14 WOOD SCREWS, USE 5/32” DRILL
FOR DPK FASTENERS, USE 1/8” DRILL
OPTIONAL TWO (2) HOLES IN FRAME ARE FOR NFHD BRACKET

<table>
<thead>
<tr>
<th>ANGLE OF HOLD OPEN</th>
<th>ANGLE OF CUSHION</th>
<th>DIM. &quot;A&quot; DROP PLATE</th>
<th>DIM. &quot;B&quot; SOFFIT PLATE</th>
<th>DIM. &quot;C&quot; NFHD BRACKET</th>
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<td>85° - 88°</td>
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<td>10-7/8”</td>
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DOOR CLOSER MODELS: 8916 & 8956 DST/DSK
DOOR SAVER (PARALLEL ARM INSTALLATION) WITH BACK PLATE BP89
FOR USE WITH STANDARD SPACER BLOCK
FOR USE WITH OPTIONAL NFHD BRACKET

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.

For 1/4 - 20 machine screws, use 13/64" or #7 drill & tap
For no. 14 wood screws, use 5/32" drill
For dpk fasteners, use 1/8" drill
Four (4) holes in frame are for soffit plate

Notes:
1) Do not scale this drawing
2) Dimensions are in inches [mm]
3) Left hand door is shown
4) Caution: sex nuts are required for attachment of components to unreinforced door 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" or less, use optional nfhd bracket two standard spacer block
6) Minimum door width is 25".
7) Optional dpk fasteners (dpk89) for steel door & frame only.

Important: Choose appropriate fifth hole location for spacer block, in accordance with frame width. One (1) hole in frame for standard block. Prepare hole same as soffit plate holes.

For 1/4 - 20 machine screws, use 13/64" or #7 drill & tap
For no. 14 wood screws, use 5/32" drill
For dpk fasteners, use 1/8" drill
Optional two (2) holes in frame are for nfhd bracket.

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DORMA Architectural Hardware
Reamstown, PA 17567

Door closer models: 8916 & 8956 dst/dsk
Door saver (Parallel arm installation) with drop plate dp89
For use with standard spacer block
For use with optional nfhd bracket