

| DOOR OPENING ANGLE |  | DIMENSIONS SHOWN IN INCHES/(mm) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { DEAD } \\ & \text { STOP } \end{aligned}$ | BUTT HINGES OR OFFSET PIVOTS |  | CENTER PIVOTS |  |
| HOLD OPEN |  | A | B | A | B |
| $85^{\circ}$ | $90^{\circ}$ | $\begin{aligned} & 5-5 / 8 \\ & (143) \end{aligned}$ | $\begin{aligned} & 11-1 / 4 \\ & (286) \end{aligned}$ | $\begin{aligned} & 5-1 / 2 \\ & (140) \end{aligned}$ | $\begin{aligned} & 11-1 / 8 \\ & (279) \end{aligned}$ |
| $90^{\circ}$ | $95^{\circ}$ | $\begin{aligned} & 4-7 / 8 \\ & (124) \end{aligned}$ | $\begin{aligned} & 10-1 / 2 \\ & (267) \end{aligned}$ | $\begin{aligned} & 4-3 / 4 \\ & (121) \end{aligned}$ | $\begin{aligned} & 10-3 / 8 \\ & (264) \end{aligned}$ |
| $95^{\circ}$ | $100^{\circ}$ | $\begin{aligned} & 4-1 / 8 \\ & (105) \end{aligned}$ | $\begin{aligned} & 9-3 / 4 \\ & (248) \end{aligned}$ | $\begin{gathered} 3-7 / 8 \\ (98) \end{gathered}$ | $\begin{aligned} & 9-1 / 2 \\ & (241) \end{aligned}$ |
| $100^{\circ}$ | $105^{\circ}$ | $\begin{gathered} 3-1 / 2 \\ (89) \end{gathered}$ | $\begin{aligned} & 9-1 / 8 \\ & (232) \end{aligned}$ | $\begin{gathered} 3-1 / 4 \\ (83) \end{gathered}$ | $\begin{aligned} & 8-7 / 8 \\ & (225) \end{aligned}$ |
| $105^{\circ}$ | $110^{\circ}$ | $\begin{gathered} 2-7 / 8 \\ (73) \end{gathered}$ | $\begin{aligned} & 8-1 / 2 \\ & (216) \end{aligned}$ | $\begin{gathered} 2-5 / 8 \\ (67) \end{gathered}$ | $\begin{aligned} & 8-1 / 4 \\ & (210) \end{aligned}$ |
| $110^{\circ}$ | $115^{\circ}$ | $\begin{gathered} \hline 2-1 / 4 \\ (57) \end{gathered}$ | $\begin{gathered} 8 \\ (203) \end{gathered}$ | $\begin{gathered} 2 \\ (51) \end{gathered}$ | $\begin{aligned} & \hline 7-3 / 4 \\ & (197) \end{aligned}$ |

- Do not scale drawing.


Closer is installed with Regulating Valves "S" and "L" away from Hinge Edge of Door

- Left hand door shown.
- Dimensions are in inches (mm) unless otherwise noted.
- Maximum butt hinge width for this template is 5" (127).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Minimum thickness recommended for reinforements in holllow metal doors and frames: .1046" ( 2.66 mm ) unless otherwise noted.
- Hold Open Arms are designated by a " $T$ " suffix; are not permitted to be used on fire doors.


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3020(T) Series Holder/Stop Door Closers
with 293L Bracket for Flush Transoms With or Without 3158 Drop Plate Series 3120, 3320, and 3520 Sized and Multi-size Units

