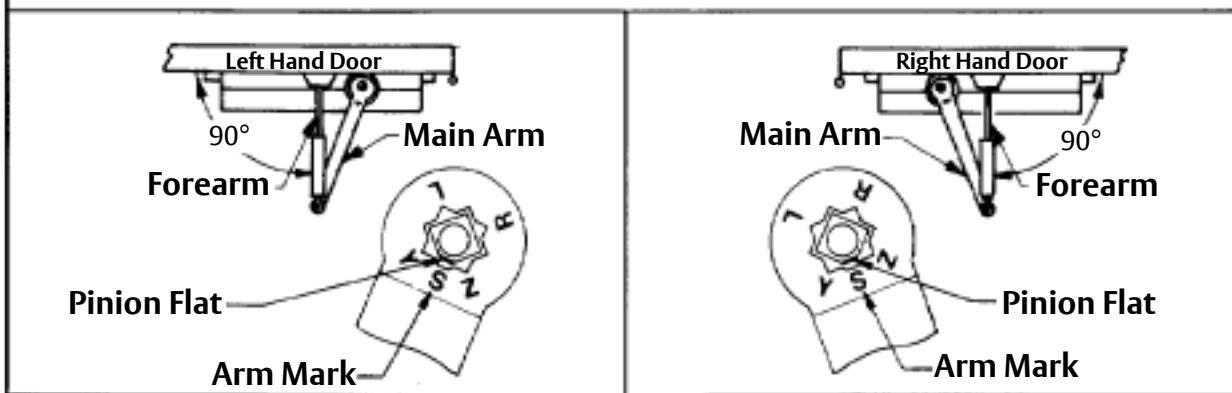


Opening	Dim. "A"	
	inches	mm.
To 100°	7-1/2	191
101° to 130°	6	152
131° to 180°	4-1/2	114

**\*Conditions Permitting**

- Do not scale drawing.
- Right hand door shown.
- Dimensions: inches / (mm).
- Hollow metal doors require channel or box type reinforcement when through bolt mount is specified.
- Sex bolt required on wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors and frames: .104" (2.66 mm.) unless otherwise noted.

**Position Of Arm And Pinion Groove**



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**3000 Series Door Closer with 3146 Back Plate for 1-3/4 (44) Top Rail**  
 Regular Non Hold Open Arm Application Series 3100, 3300 and 3500 Individually Sized Units 2 thru 6 and Multi-size Units 1 & 1BF

Template Number: 7303-0104  
 Sheet: 1 of 1  
 Date: 12/23

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