



Notes:

- Do not scale drawing.
- Right hand door shown.
- Dimensions are in inches and millimeters.

Opening	Dim. A
To 100°	7 (178)
101° to 120°	6 (152)
*121° to 180°	3-1/2 (89)
*Door/Wall/Hardware Conditions Permitting.	

Hold Open Arms without Fusible Link Release are not permitted to be installed on fire doors.

Door swing may be limited by door, frame, wall or hardware conditions.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts may be required for wood or plastic faced fire door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm.) unless otherwise noted.

Fastener Chart			
Standard	Fasteners	Door or Frame	Drill Sizes
	1/4-20 Combination Screw		Metal
		Wood	7/32"(5.54mm.)
Optional	Sex nuts and bolts	Hollow Metal	9/32"(7.00mm.) through 3/8"(9.5mm.) door face opposite to closer
		Aluminum or Wood	3/8"(9.50mm.) through
	Through bolts and grommet nuts	All	9/32"(7.00mm.) through 3/8"(9.50mm.) dia. × 3/8"(10mm.) deep, door face opposite to closer

2300 Series Non Hold Open Door Closer
2310 Series Hold Open Door Closers (90° to 180°)
Regular Arm Application
 Closer Sizes 2, 3, 4 and 5

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