

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

Notes:

- 1. Do not scale drawing.
- 2. Left hand door shown.
- 3. Dimensions are in inches (mm).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- 5. Minimum thickness recommended for reinforcements in hollow metal doors and frames: 0.1046" (2.66mm) unless otherwise noted.
- 6. Hold Open Arm closers are not permitted to be used on fire doors.

Opening	Dim. "A"	Dim. "B"
To 100°	8-3/4 (222)	9-1/4 (235)
100° to 120°	7-1/4 (184)	7-3/4 (197)
120° to 150°	6-1/4 (159)	6-3/4 (172)
150° to 180°	5-1/4 (133)	5-3/4 (146)

<u> </u>	"B" 4 Holes for Soffit Plate	Reveal 2 to 2-3/4 (51 to 70) 890 Bracket 293 Soffit Plate
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 891 Spacer Block
n). uire cce- t is om- in nes:	2-1/2 (64) 1/4 (6) 5/16 (7.9) 1 (25) "A" 6-3/4 (101.6) (120.7) 12-3/4 4 Holes for 488 Droor 4 Holes for Closer	890 Bracket 5/8 * 293 Soffit Plate Top Plate
ner-	Hinge or Pivot (323.9)	

Preparation for Fasteners					
Fasteners	To Apply	Door or Frame	Drill Sizes		
Sex nuts and bolts	Closer or Drop Plate	Hollow Metal	9/32" (7.00mm) thru; 3/8" (9.50mm) door face opposite to closer		
		Aluminum or Wood	3/8" (9.50mm) thru:		
#14 x 1-1/4" (32mm) type "A" S.M. Screw	Soffit Plate	Wood	7/32" (5.5mm)		
		Aluminum	1/32 (3.511111)		
1/4-20 Machine Screw		Metal	drill: #7 (.201") tap: 1/4-20		
Thru bolts and grommet nuts	Optional	All	9/32" (7.00mm) thru; 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer		

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PR400 or PR1400 Series Door Closers - Sized 2 thru 6 PR4400 or PR4410 Series Door Closers - Multi-Size 1 to 6 Parallel Arm With 890 Bracket and With or Without 488 Drop Plate Non-Hold Open or Hold Open

Template Number: 7344-0253

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Date: 12/23

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