

Opening	Dim. A	Dim. B	Dim. C
To 100°	9-1/4	7-5/8	8-5/8
100° to 130°	7-3/4	6-1/8	7-1/8
Over 130°	5-3/4	4-1/8	5-1/8

inches	mm.	inches	mm.	inches	mm.
		2-1/4	57	7	177.8
3/8	9.5	2-3/4	69.9	7-1/8	181
7/16	11.1	4	101.6	7-5/8	194
1/2	12.7	4-1/8	105	7-3/4	197
1-1/8	28.6	5-1/8	130	8-5/8	219
1-1/2	38.1	5-3/4	146	9-1/16	230.2
2	50.8	6-1/8	156	9-1/4	235

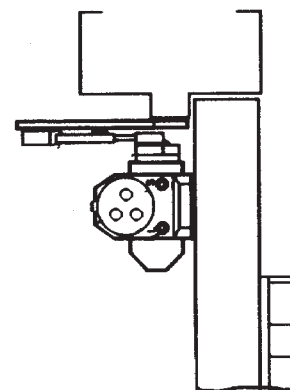
**Notes:**

- Do not scale drawing.
- Left hand door shown.
- Dimensions are in inches. See conversion chart for metric dimensions.
- Minimum top rail with 5/8" (16mm.) frame stop — 4" (102mm.).

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	Door or Frame	Drill
#14 type "A" sheet metal screw	wood	7/32" (5.5mm)
1/4-20 machine screw	metal	#7 (.201 dia.) or 5.10mm. drill 1/4"20 tap
SNB (optional)	hollow-metal	9/32" (7.00mm.) thru 3/8" (9.50mm.) door face opposite to closer
	aluminum or wood	3/8" (9.50mm.) thru
TBGN (optional)	all	9/32" (7.00mm.) thru 3/8" (9.50mm.) diameter x 3/8" (10mm.) deep, door face opposite to closer

**(P)1680 Series Door Closers With Low Profile Arm  
 Parallel Arm Application With or Without 1688 Drop Plate  
 Non Hold Open Arm  
 Individually Sized Units 3 and 4 & Multi-size Unit 1-6**



**ASSA ABLOY**

TEMPLATE NUMBER	REV	DATE
<b>7316-1206</b>	<b>4</b>	<b>12/21</b>