



Holes for 1688 plate only.

NOTES:

- Do not scale drawing.
- Left hand door shown.
- Dimensions shown in inches. Metric equivalents charted.
- .1046" (2.7mm.) minimum recommended for hollow-metal door and frame reinforcements.
- SNB required to mount closer on steel covered composite type, sheet metal type, or hollow-metal type fire doors provided without reinforcements.
- SNB or TBGN may be required to mount closer on wood or plastic faced composite type fire doors.
- Hollow-metal doors require channel or box-type reinforcements when TBGN mount is specified for closers.

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

METRIC CONVERSION					
inches	mm.	inches	mm.	inches	mm.
3/8	9.5	2-3/4	69.9	6-1/8	156
7/16	11.1	3-1/2	89	7	177.8
1/2	12.7	4	101.6	7-1/8	181
3/4	19.1	4-1/8	105	7-5/8	194
1-1/2	38.1	4-1/2	114	7-3/4	197
1-3/4	45	5-1/8	130	8-5/8	219
2	50.8	5-3/4	146	9-1/16	230.2
				9-1/4	235

PREPARATION FOR FASTENERS		
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)1600 Series Door Closers
Parallel Arm Application With 2018S Offset Soffit Plate & With or Without 1688 Drop Plate
Non Hold Open Arm
Individually Sized Units 3 and 4 & Multi-size Unit 1-6



ASSA ABLOY

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TEMPLATE NUMBER	REV
7316-1210	3