



◆ Holes for 1688 drop 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.
- Hold Open Arm door closers without Fusible-link release are not permitted to be used on fire doors.
- 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°	9-3/8	7-5/8	8-5/8
100° to 130°	7-7/8	6-1/8	7-1/8
Over 130°	5-7/8	4-1/8	5-1/8

METRIC CONVERSION					
inches	mm.	inches	mm.	inches	mm.
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	5-1/8	130	7-7/8	200
1-3/4	44	5-7/8	149	8-5/8	219
2-1/8	54	6-1/8	156	9-1/16	230.2
2-1/2	63.5	7	177.8	9-3/8	238
3-1/4	83				

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 and (P)1600H Series Door Closers
 Parallel Arm Applications with 2022 Flush Transom Bracket
 and with or without 1688 Drop Plate
 Non Hold Open or Hold Open Arm
 Individually Sized Units 3 and 4 & Multi-sized Unit 1-6



ASSA ABLOY

www.nortondoorcontrols.com

TEMPLATE NUMBER
7316-1208

REV
2