







Opening					
Hold Open	Stop	Dim. A	Dim. B	Dim. C	
85°	90°	11-1/8	9-1/8	10-1/8	
90°	95°	10-3/8	8-3/8	9-3/8	
95°	100°	9-5/8	7-5/8	8-5/8	
100°	105°	9	7	8	
105°	110°	8-3/8	6-3/8	7-3/8	
110°	115°	7-3/4	5-3/4	6-3/4	

## Notes:

- Do not scale drawing
   Left hand door shown.
- Dimensions shown in inches. See conversion chart for metric dimensions.
- 4. Units with a "T" suffix have a hold-open arm and cannot 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 for closers.
  7. Sex bolts and bolts required to mount closer on steel covered composite type, sheet metal type or hollow metal type fire doors provided without reinforcements.
- 8. Minimum thickness recommended for reinforcements is hollow metal doors and frame: .1046" (2.66 mm.) unless otherwise noted.

Metric Conversion								
inches	mm.	inches	mm.	inches	mm.	inches	mm.	
		2"	50.8	7-3/8"	187	9-1/16"	230.2	
3/8"	9.5	2-1/16"	52.4	7-5/8"	194	9-1/8"	232	
7/16"	11.1	2-3/4"	69.9	7-3/4"	197	9-3/8"	238	
1/2"	12.7	4"	101.6	8"	203	9-5/8"	244	
3/4"	19.1	5-3/4"	146	8-3/8"	213	10-1/8"	257	
1-3/8"	34.9	6-3/8"	162	8-5/8"	219	10-3/8"	264	
1-1/2"	38.1	6-3/4"	171	9"	229	11-1/8"	283	
1-5/8"	41	7"	177.8					

Top View Typical Installation			Preparation for Fasteners				
		Fasteners	Frame	Door	Drill		
		#14 type "A" Sheet Metal Screw	Wood	None	7/32" (5.5 mm.)		
Stop "S" and "L"	Stop	1/4-20 machine screw	Metal	None	#7 (.201" dia.) or 5.10 mm. drill 1/4-20 tap		
Valves	SNB	None	Hollow Metal	9/32" (7.00 mm.) thru; 3/8" (9.50 mm.) door face opposite to closer			
Pinion Flat Hold Open Installation Show			Aluminum or Wood	3/8" (9.50 mm.) thru			
berience a safer I more open world				Template Nun 7350-1302	nber: ASSA ABLOY		
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