



◆ No. 88 drop plate mounting holes only

**Notes:**

- Do not scale drawing.
- All dimensions shown in inches (mm.).
- Left hand door shown.
- Caution: Hollow metal doors require channel or box type reinforcement. Hollow metal frames require full width header reinforcement.

Preparation for Fasteners			
Fasteners	Application	Door or Frame	Drill Sizes
Sex-nuts and bolts	Closer Drop plate 2022 Bracket	Hollow Metal	9/32" (7.00mm.) through 3/8" (9.50mm.) door face opposite to closer
		Aluminum or wood	3/8" (9.50mm.) through

Door Opening Angle		Dimensions*							
Hold Open**	Dead Stop	Butts and Offset Pivots				Center Pivots			
		Dimension A		Dimension B		Dimension A		Dimension B	
		Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.
85°	90°	14	356	13	330	14 3/4	375	13 3/4	349
90°	95°	13 3/8	340	12 3/8	314	14 1/8	359	13 1/8	333
95°	100°	12 3/4	324	11 3/4	298	13 1/2	343	12 1/2	318
100°	105°	12 1/8	308	11 1/8	283	12 7/8	327	11 7/8	302
105°	110°	11 5/8	295	10 5/8	270	12 3/8	314	11 3/8	289
110°	115°	11 1/4	286	10 1/4	260	12	305	11	279

\* "A" and "B" dimensions measured from centerline of hinge or pivot.  
 \*\* Door must be free to swing up to 5° beyond hold open position.

**Unitrol With 2022 Bracket  
 Series 78-B/F  
 Doors 33" - 41" (0.85 - 1.00m) Wide**

**Parallel Arm Installation Template - Flush Partitions  
 Stop Only or Hold-Open Unitrol Door Closer  
 With or Without No. 88 Drop Plate**



**ASSA ABLOY**

TEMPLATE NUMBER	REV	DATE
<b>7349-1354</b>	<b>3</b>	<b>12/21</b>

Approved 2022-05-02