



◆ No. 88 drop plate mounting holes only

Notes:

- Do not scale drawing.
- All dimensions shown in $\frac{\text{inches}}{\text{(mm.)}}$.
- 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°	11 $\frac{1}{8}$	295	10 $\frac{1}{2}$	267	12 $\frac{3}{8}$	314	11 $\frac{1}{4}$	286
90°	95°	11	279	9 $\frac{7}{8}$	251	11 $\frac{3}{4}$	298	10 $\frac{5}{8}$	270
95°	100°	10 $\frac{1}{2}$	266	9 $\frac{1}{2}$	241	11 $\frac{1}{4}$	286	10 $\frac{1}{8}$	257
100°	105°	10	254	8 $\frac{7}{8}$	225	10 $\frac{3}{4}$	273	9 $\frac{5}{8}$	244
105°	110°	9 $\frac{1}{2}$	241	8 $\frac{3}{8}$	213	10 $\frac{1}{4}$	260	9 $\frac{1}{8}$	232
110°	115°	9 $\frac{1}{8}$	231	8	203	9 $\frac{7}{8}$	251	8 $\frac{3}{4}$	222

* "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 28" - 32" (0.70 - 0.80m) Wide**

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



TEMPLATE NUMBER	REV	DATE
7349-1352	3	12/21

Approved 2022-05-02