



Door Opening Angle		Dimensions			
Hold Open ★	Dead Stop	Butts and Offset Pivots		Center Pivots	
		A	B	A	B
85°	90°	9-3/4	15-1/4	10-1/8	15-5/8
90°	95°	8-7/8	14-3/8	9-3/8	14-7/8
95°	100°	8-1/4	13-3/4	8-5/8	14-1/8
100°	105°	7-5/8	13-1/8	8-1/8	13-5/8
105°	110°	7-1/8	12-5/8	7-5/8	13-1/8
110°	115°	6-3/4	12-1/4	7-1/8	12-5/8

★ Door must be free to swing 5° beyond hold-open position.

**Notes:**

Do not scale drawing.

Left hand door shown.

Dimensions are in inches.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Sex-bolts required for wood or plastic faced fire-door mounting.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm).

Follow Conversion Chart for metric dimensions.

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
Through bolts and grommet nuts	Optional	All	9/32" (7.00mm) through 3/8" (9.50mm) dia. x 3/8" (10mm) deep, door face opposite to closer

inches	mm.	inches	mm.	inches	mm.
5/16	8	7-5/8	193.5	13-1/8	333.5
1/2	12.5	8-1/8	206.5	13-5/8	346
3/4	19	8-1/4	209.5	13-3/4	349.5
1-1/8	28.5	8-5/8	219	14-1/8	359
1-1/2	38	8-7/8	225.5	14-3/8	365
1-3/4	44.5	9-3/8	238	14-7/8	378
2-1/2	63.5	9-3/4	247.5	15-1/4	387.5
3	76	10-1/8	257	15-5/8	397
4	101.5	12	305		
6-3/4	171.5	12-1/4	311		
7-1/8	181	12-5/8	320.5		

**Unitrol® With 2022 Bracket  
 Series UNI-8300, UNI-8301,  
 UNI-8500, UNI-8501  
 Doors 42" - 48" (1.05-1.20m) Wide**

**Parallel Arm Installation Template  
 Flush Partitions  
 Stop Only or Hold Open Unitrol®  
 Backcheck or Delayed Action Door Closer  
 With or Without 8148 Drop Plate**



**ASSA ABLOY**

TEMPLATE NUMBER	REV	DATE
<b>7380-1356</b>	<b>3</b>	<b>12/21</b>