



Door Opening Angle		Dimensions			
Hold Open ★	Dead Stop	Butts and Offset Pivots		Center Pivots	
		A	B	A	B
85°	90°	5-1/8	10-3/8	5-3/4	11
90°	95°	4-1/2	9-3/4	5-1/8	10-3/8
95°	100°	4	9-1/4	4-5/8	9-7/8
100°	105°	3-5/8	8-7/8	4-1/4	9-1/2
105°	110°	3-1/4	8-1/2	3-7/8	9-1/8
110°	115°	2-7/8	8-1/8	3-5/8	8-7/8

★ 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	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door face opposite to closer
		Alluminum or Wood	3/8" (9.50mm) through
#14 x 1-1/4" (32mm) type "A" S.M. screws	Soffit plate 6190 Bracket	Wood	3/16" (4.30mm)
		Metal	drill: #7 (.201") tap: 1/4-20
1/4-20 machine screw			
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	3-1/4	82.5	8-1/2	216
3/8	9.5	3-5/8	92	8-7/8	225.5
7/16	11	3-7/8	98.5	9-1/8	232
3/4	19	4	101.5	9-1/4	235
1-1/8	28.5	4-1/4	108	9-1/2	241.5
1-1/4	31.5	4-1/2	114	9-3/4	247.5
2	51	4-5/8	117.5	9-7/8	251
2-3/4	70	5-1/8	130	10-3/8	263.5
2-7/8	73	5-3/4	146	11	279.5
3	76	8-1/8	206	12	305

Unitrol® Standard Application
Series UNI-8300, UNI-8301,
UNI-8500, UNI-8501
Doors 28" - 32" (0.70-0.80m) Wide

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



ASSA ABLOY

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TEMPLATE NUMBER

7380-1351

DATE

09-08