



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

† 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	Arm-foot	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	Closer	Wood	3/16" (4.30mm)
1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20
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.
5/16	8	8-3/4	222.5
1	25.5	9-1/4	235
1-1/2	38	9-3/8	238
3-1/4	82.5	9-3/4	247.5
4	101.5	10	254
4-1/8	104.5	10-3/8	263.5
7-1/2	190.5	12	305
7-7/8	200		
8-1/4	209.5		

**Unitrol® With 8146 Drop Plate
 Series UNI-J8300, UNI-J8301,
 UNI-J8500, UNI-J8501**

**Top Jamb Installation Template
 Stop Only or Hold Open Unitrol®
 Backcheck or Delayed Action Door Closer**



ASSA ABLOY

TEMPLATE NUMBER	REV	DATE
7380-1406	3	12/21