



Opening	Dimension "A"
To 100°	$\frac{7}{(178)}$
101° to 120°	$\frac{6}{(152)}$
*121° to 180°	$\frac{3-1/2}{(89)}$

\* Door/Wall/Hardware/Jamb conditions permitting

- Notes:
- Do not scale drawing.
  - Right hand door shown.
  - Dimensions are in inches (mm).

Door swing may be limited by door, frame, wall or hardware conditions.  
 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) unless otherwise noted.

Fasteners Chart			
	Fasteners	Door or Frame	Drill-Sizes
Standard	1/4" - 20 combination screw	Wood	7/32" (5.54 mm.)
		Metal	drill: #7 (0.201" dia.) tap: 1/4" - 20
Optional	Sex nuts and bolts	Hollow-Metal	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) on door opposite to closer
		Aluminum or Wood	3/8" (9.50 mm.) through
	Through-bolts and grommet-nuts	All	9/32" (7.00 mm.) through; 3/8" (9.50 mm.) dia. x 3/8" (9.50 mm.) deep on door opposite to closer

**9300 Series Non Hold Open Door Closer**  
**9300H Series Hold Open Door Closers (90° to 180°)**  
**Regular Arm Application**  
**Closer Sizes 2, 3, 4, and 5**



ASSA ABLOY

www.nortondoorcontrols.com

TEMPLATE NUMBER

**7393-0001**

DATE

**01-09**