



NOTES:

- Do not scale drawing.
- Left hand door shown.
- Dimensions are given in inches (mm).
- 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.

Opening	Dim. "A"		Dim. "B"	
	inches	mm	inches	mm
To 100°	8-3/4	222	9-1/4	235
101° to 130°	7-1/4	184	7-3/4	197
131° to 150°	6-1/4	159	6-3/4	171
151° to 180°	5-1/4	133	5-3/4	146

CAUTION: Door swing may be limited by door, frame, wall, or hardware conditions.

Preparation for Fasteners			
	Fasteners	Door or Frame	Drill Sizes
Standard	#14 type "A" S.M. screw Arm: 1-1/4" (32mm) Closer: 2-3/4 (70mm)	Wood	3/16" (4.30mm)
		Aluminum	7/32" (5.50mm)
1/4-20 machine-screw	Metal	drill: #7 (.201" dia) tap: 1/4-20	
Optional	Sex-nuts and bolts	Hollow-Metal	9/32" (7.00mm) through; 3/8" (9.50mm) on door or transom-face opposite to closer
		Aluminum or Wood	3/8" (9.50mm) through
	Through-bolts and grommet-nuts	All	9/32" (7.00mm) through; 3/8" (9.50mm) dia. x 3/8" (9.50mm) deep on door or transom-face opposite to closer

4400 Series Door Closer
Model (PA)4410 With or Without 488 Drop Plate
Parallel Arm Application, Hold Open

ACCENTRA
ASSA ABLOY