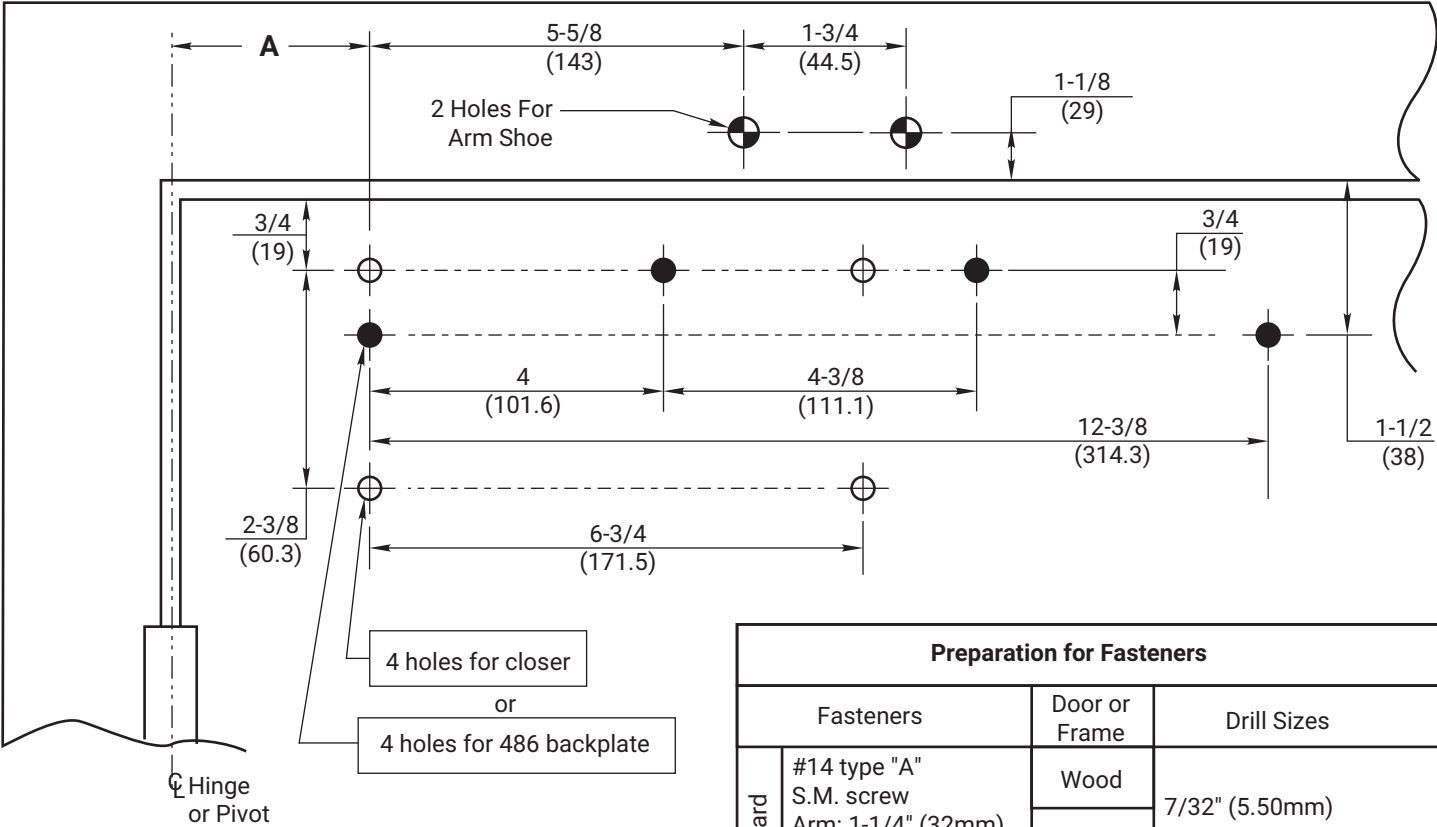


Opening	Dimension "A"	
	inches	mm
To 100°	7-5/8	194
100° to 120°	6-5/8	168
120° to 150°	4-5/8	117
150° to 180°	4-1/8	105

**CAUTION:** Door swing may be limited by door, frame, wall or hardware conditions (including closer projection).

- NOTES:**
- Do not scale drawing.
  - Right hand door shown.
  - Dimensions are given in inches (mm).
  - Minimum ceiling clearance for closer arm : 1" (25mm).
  - Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
  - Through 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.



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	7/32" (5.50mm)
		Aluminum	
Optional	1/4-20 machine-screw	Metal	drill: #7 (.201" dia) tap: 1/4-20
	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" (9.500mm) through
	Through-bolts and grommet-nuts	All	9/32" (7.00mm) through; 3/8" (9.50mm) dia. x 3/8" (9.500mm) deep on door or transom-face opposite to closer

**4400 Series Door Closer**  
**Model 4480 With or Without 486 Backplate**  
**Regular Low Profile Arm Application, Non-Hold Open**

**ACCENTRA**  
**ASSA ABLOY**

TEMPLATE NUMBER	REV	DATE
7344-0110	3	05/24