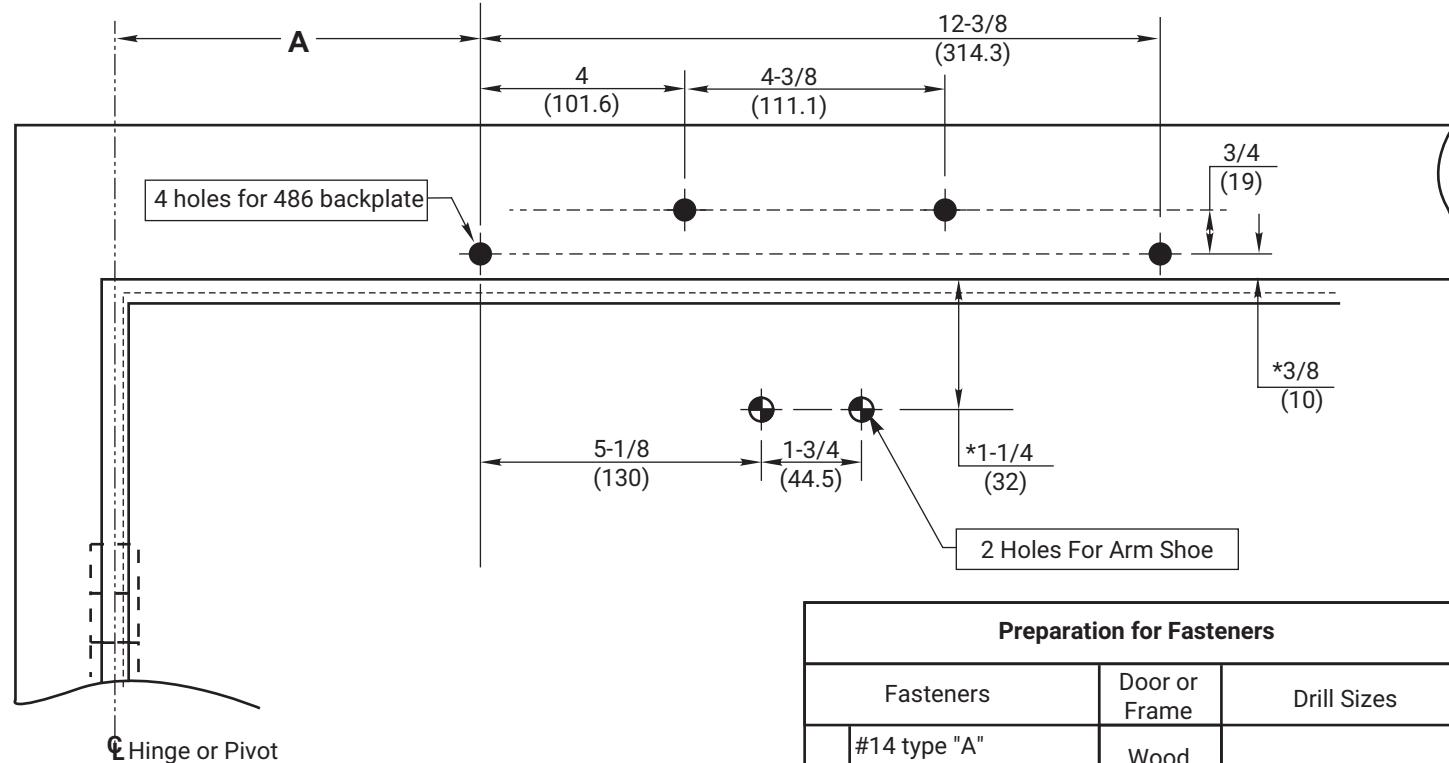


Opening	Dimension "A"	
	inches	mm
To 100°	7-5/8	194
100° to 120°	6-5/8	168
120° to 150°	4-5/8	117
150° to 180°	4-1/8	105



**NOTES::**

- Do not scale drawing.
- Left hand door shown.
- Dimensions are in inches (mm).
- Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
- Sex bolts may be required for wood or plastic faced fire door mounting.
- Minimum thickness recommended for reinforcements in hollow metal doors are frames: .1046" (2.66mm) unless otherwise noted.

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

\* Always use frame or transom rabbet as reference plane, not bottom of stop.

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**  
**Models 4480 and (TJ)4480 With 486 Drop Plate**  
**Top Jamb Low Profile Application, Non-Hold Open**

**ACCENTRA**  
**ASSA ABLOY**

TEMPLATE NUMBER	7344-0157	REV	3	DATE	05/24
-----------------	-----------	-----	---	------	-------