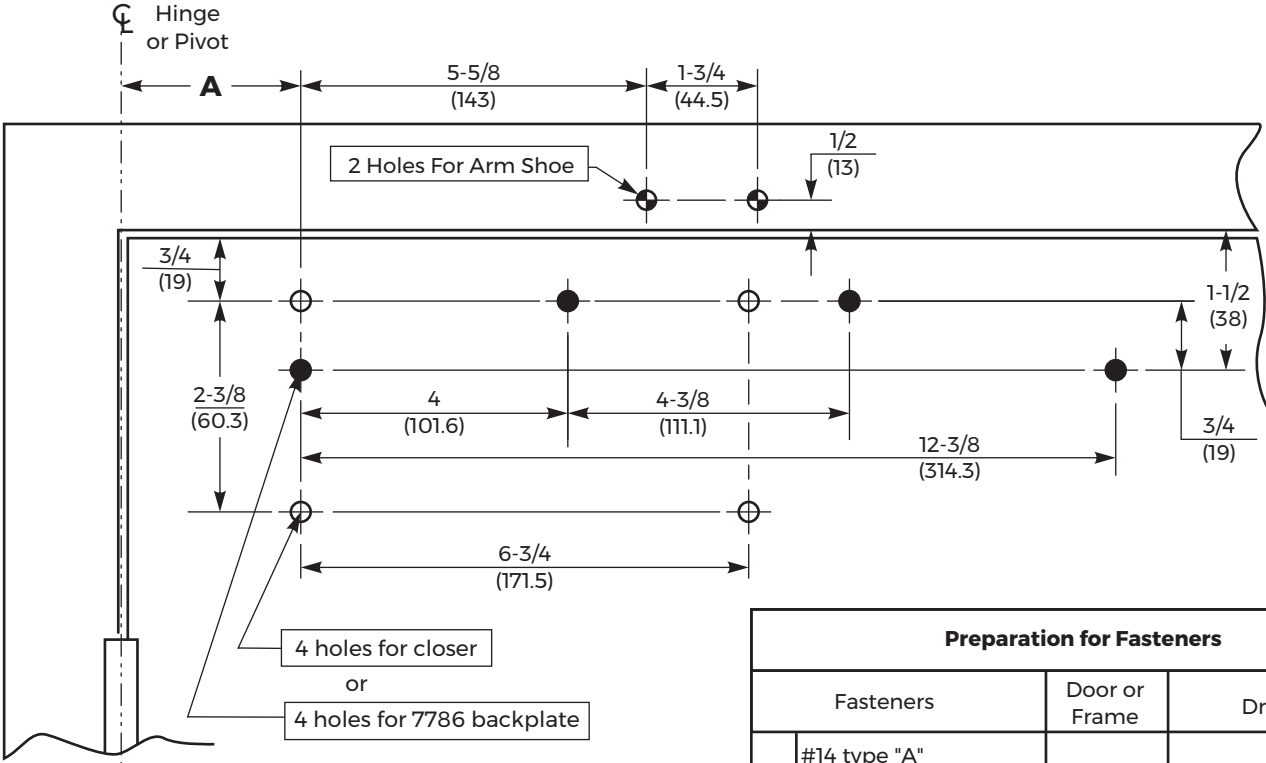


Opening	Dimension "A"	
	inches	mm
To 100°	7-5/8	194
100° to 120°	6-5/8	168
120° to 150°	4-5/8	117
150° to 180°	4-1/8	105



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

- ◆ Sex nut head 9/16"(15.00mm.) diameter x 1/8"(3mm.) high has to be mortised in door or stop for top two closer or backplate fasteners.
- ◆◆ Grommet nut head 5/8"(16.00mm.) diameter x 1/8"(3mm.) high has to be mortised in door or stop for top two closer or holder backplate fasteners

Preparation for Fasteners			
Fasteners		Door or Frame	Drill Sizes
Standard	#14 type "A" S.M. screw	Wood	3/16" (4.30mm)
	Arm: 1-1/4" (32mm) Closer: 2-3/4" (70mm)		
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

7500 Series Door Closer
Model 7580 With or Without 7786 Backplate
Regular Arm Installation With Non-Hold Open Arm



TEMPLATE NUMBER	REV	DATE
7377-0110	4	04/25