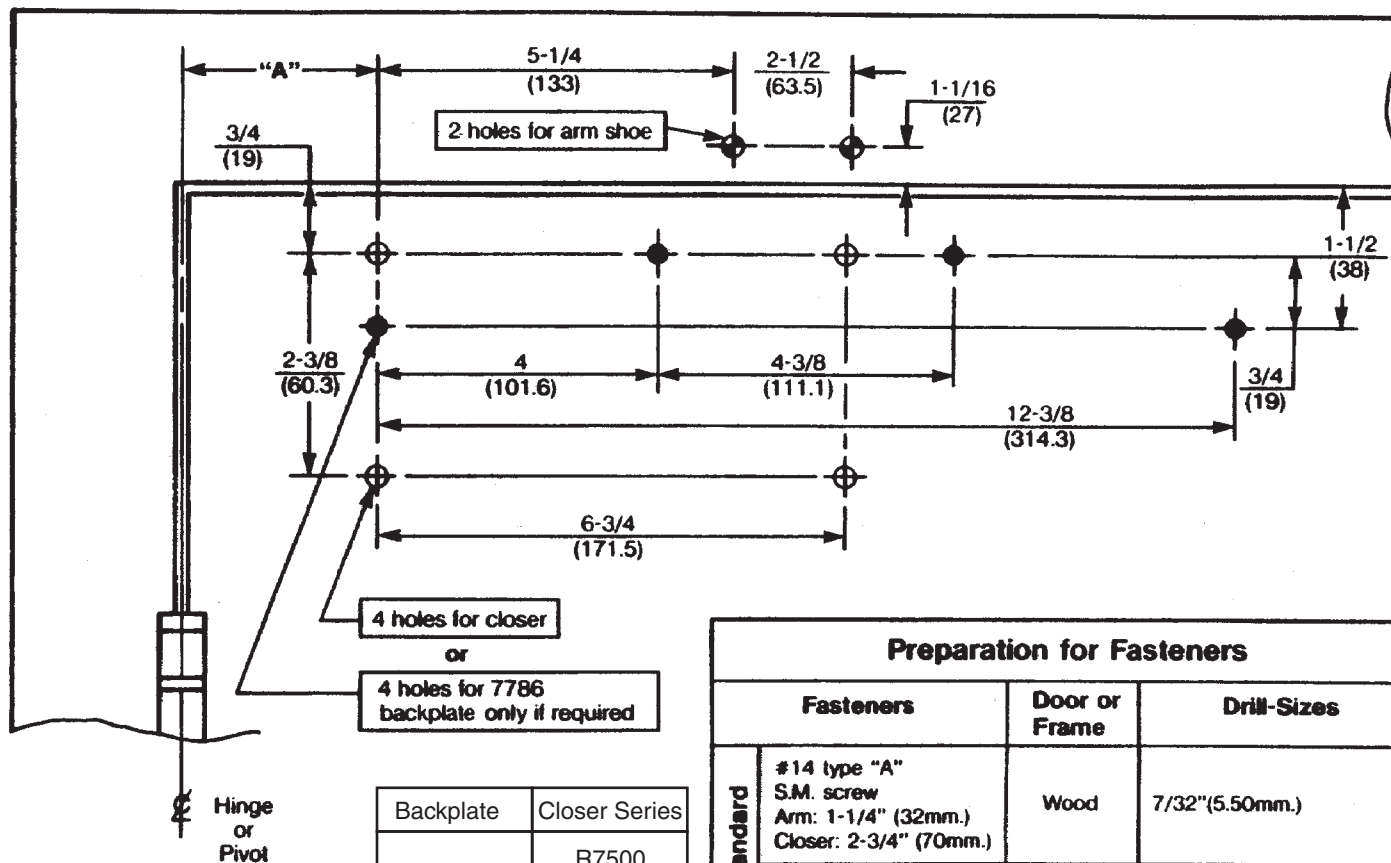


Door Opening	Dimension "A"	
	inches	mm.
To 100°	7-5/8	194
101° to 120°	6-5/8	168
121° to 150°	4-5/8	117
151° to 180°	4-1/8	105

SPECIAL NOTE:
Hinge side frame reveal must not exceed 1/8 (3) or 5/16 (8) if 7786 backplate is used.



Do Not Scale Drawing
Right Hand Door Shown
Dimensions are in inches
(mm.)

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

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm.) unless otherwise noted.

Backplate	Closer Series
7786	R7500 R7700

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.)
	1/4"-20 machine screw	Metal	drill: #7 (.201") 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" (10mm.) deep on door or transom-face opposite to closer

**R7500 Series Rigid Arm, 7570 Series Security Door Closer or
R7700 Series Rigid Arm, 7770 Security Door Closer
Regular Arm Application With or Without 7786 Back Plate
Power Sizes 0 for R7500 & 7570; 2, 3, 4, 5 or 6 for R7700 & 7770**

Norton

ASSA ABLOY

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TEMPLATE NUMBER

7377-0601

DATE

01-10