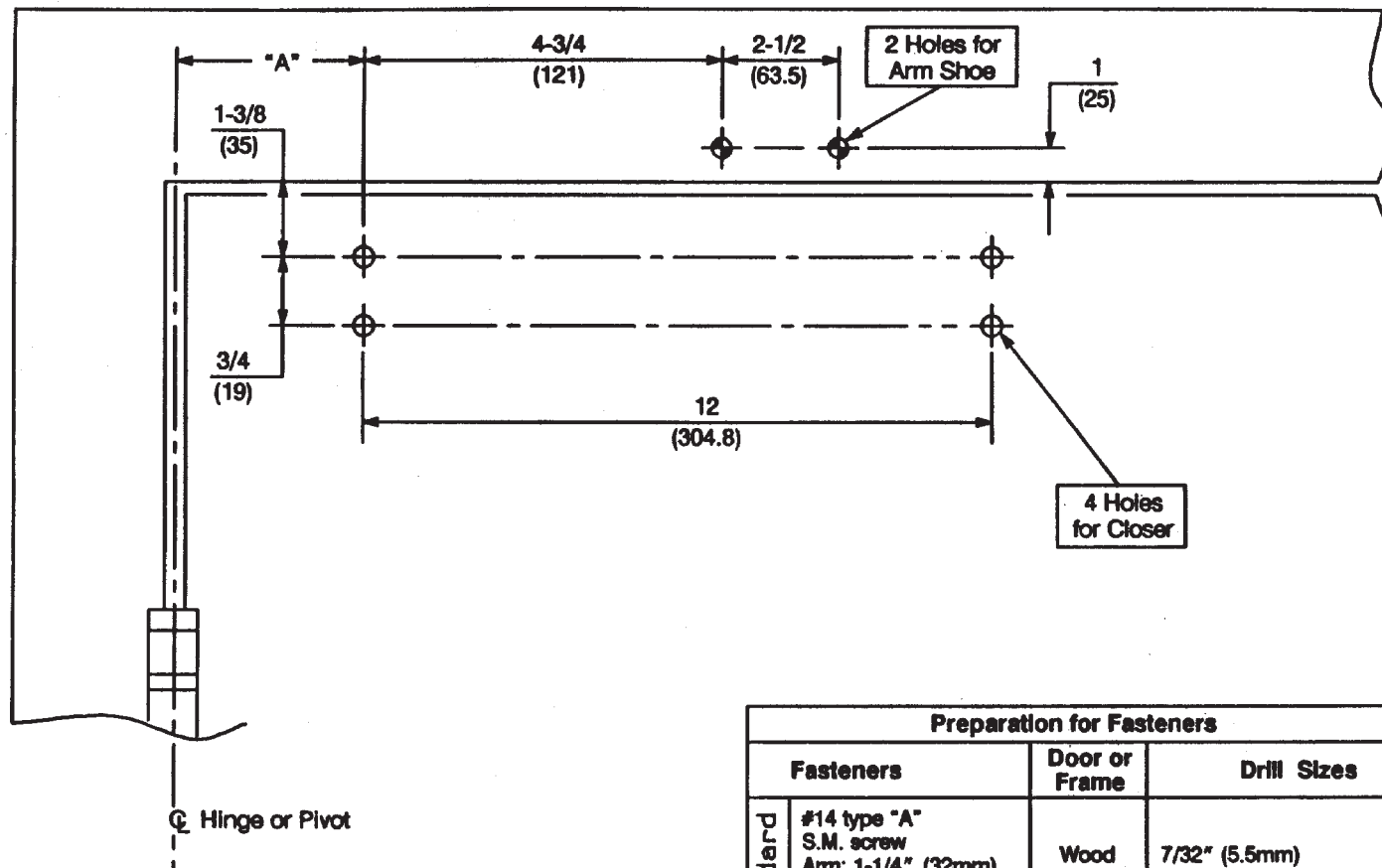


Door Opening	Dim. "A"
To 100°	7-1/2 (191)
101° to 130°	6 (152)
Over 130°	4-1/2 (114)



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

Notes:

1. Do not scale drawing.
2. Right hand door shown.
3. Dimensions are in inches (mm).
4. Hollow metal doors require channel or box type reinforcement when thru bolt mount is specified.
5. Sex bolts required for wood or plastic faced fire door mounting.
6. 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	Wood	7/32" (5.5mm)
	Arm: 1-1/4" (32mm) Closer: 2-3/4" (70mm)		
Optional	1/4-20 machine screw	Metal	drill: #7 (.201") tap: 1/4-20
	Sex nuts and bolts	Hollow Metal	9/32" (7.00mm) thru; 3/8" (9.50mm) on door opposite to closer
		Aluminum or Wood	3/8" (9.50mm) thru
	Thru bolts and grommet nuts	All	9/32" (7.00mm) thru; 3/8" (9.50mm) dia. x 3/8" (10mm) deep on door opposite to closer

**R8000 Series Door Closer (R8100, R8300, R8500)
 Regular Rigid Heavy Duty Arm Non-Hold Open Installation
 Sizes 1 Thru 6**



ASSA ABLOY

TEMPLATE NUMBER	REV	DATE
7380-0601	3	12/21