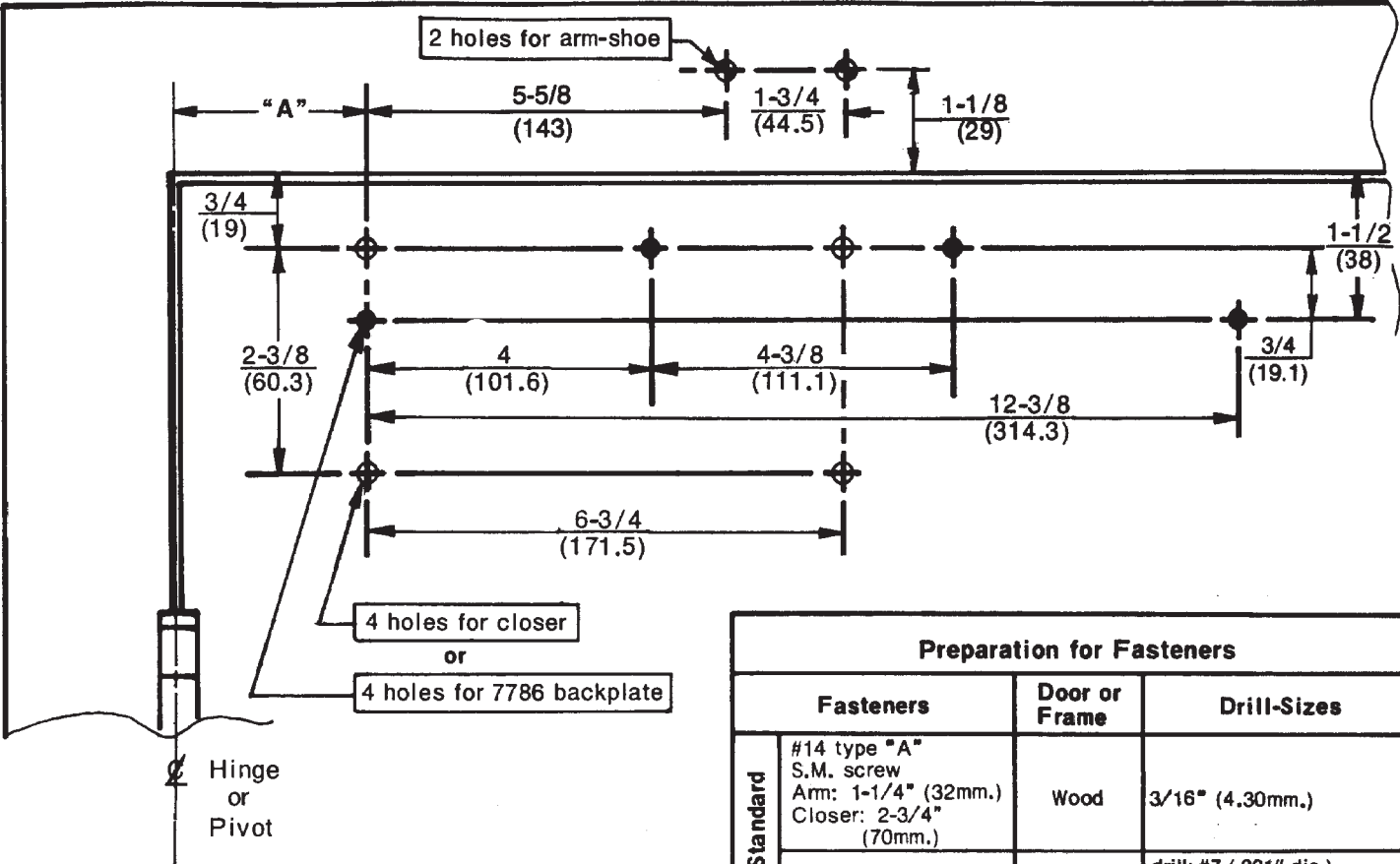


Opening	Dimension "A"	
	inches	mm.
To 100°	7-5/8	194
100° to 120°	6-5/8	168
120° to 150°	4-5/8	117
150° to 180°	4-1/8	105



Do not scale drawing
Right hand door shown
Dimensions are in $\frac{\text{inches}}{\text{mm.}}$

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.
Sex-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	3/16" (4.30mm.)
	1/4-20 machine-screw	Metal	drill: #7 (.201" dia.) 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

7500, 7700, 7700COU, 7700TEL
7500H, 7700H, and 7700HOSP Series Door Closers
With or Without 7786 Backplate
Regular Arm Installation With Non Hold Open or Hold Open Arm

