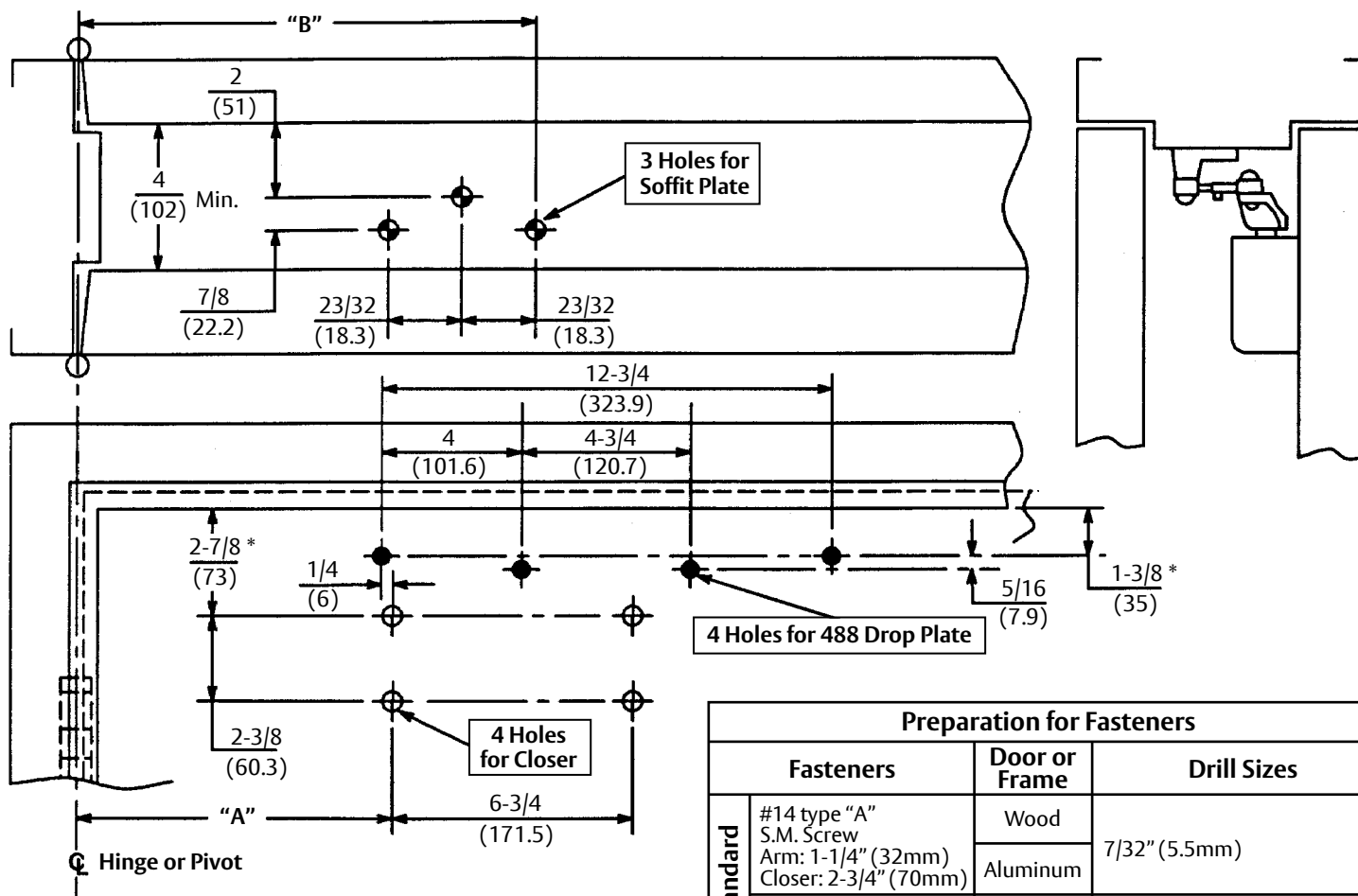


Opening	Dim. "A"	Dim. "B"
To 100°	8-3/4 (222)	9-7/8 (251)
100° to 120°	7-3/4 (197)	8-7/8 (225)
120° to 150°	6-3/4 (171)	7-7/8 (200)
150° to 180°	5-3/4 (146)	6-7/8 (175)



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

Notes:

1. Do not scale drawing.
2. Left 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 may be required for wood or plastic faced fire door mounting.
6. Minimum thickness recommended for reinforcements in hollow metal doors and frames: 0.1046" (2.66mm) unless otherwise noted.

* Measure from soffit plate mounting surface. 413A soffit plate may be applied onto frame rabbet when frame stop height does not exceed 5/8" (16mm).

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" (5.5mm)
			Aluminum	
	1/4-20 machine screw		Metal	drill: #7 (.201") tap: 1/4-20
Optional	Sex nuts and bolts		Hollow Metal	9/32" (7.00mm) thru; 3/8" (9.50mm) on door or transom face 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 or transom face opposite to closer

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PA400 Series Door Closer - Sized 2 thru 6
PA 4400 Series Door Closer - Multi-Size 1 to 6
With 413A Soffit Plate and With or Without 488 Drop Plate
Parallel Non-Hold Open Arm Application

Template Number:
7344-0203
Sheet: 1 of 1
Date: 12/23

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