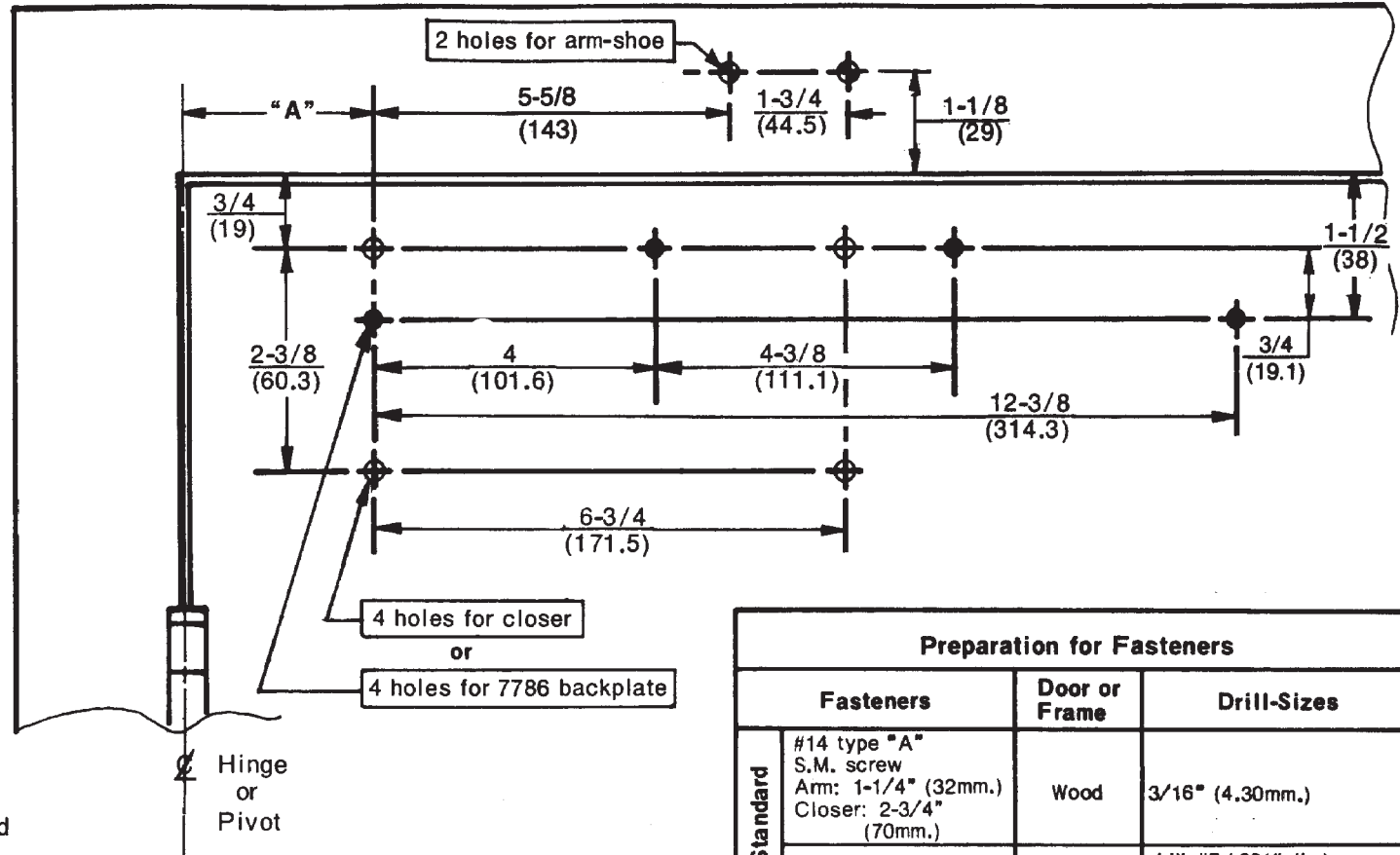


| Opening | Dimension "A" | |
|--------------|---------------|-----|
| | inches | mm. |
| To 100° | 7-5/8 | 194 |
| 100° to 120° | 6-5/8 | 168 |
| 120° to 150° | 4-5/8 | 117 |
| 150° to 180° | 4-1/8 | 105 |



Do not scale drawing
 Right hand door shown
 Dimensions are in 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.

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**



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TEMPLATE NUMBER

7377-0101

DATE

07-08