



Preparation for Fasteners		
Fasteners	Door or Frame	Drill Sizes
#14 type "A" S.M. screw	Wood	7/32" (5.56mm)
1/4" -20 machine screw	Metal	drill: #7 (.201") tap: 1/4"-20
Sex-nuts and bolts	Hollow Metal	9/32" (7.00mm) through 3/8" (9.50mm) door-face opposite to closer
	Aluminum or Wood	3/8" (9.50mm) through
Through-bolts and grommet-nuts (Optional)	All	9/32" (7.00mm) through; 3/8" (9.50mm) dia. x 3/8" (10mm) deep door-face opposite to closer

Notes:

- Right hand door is shown.
- Do not scale drawing.
- Minimum door width 26" (660.4mm).
- .1046 (2.7mm) minimum thickness recommended for hollow metal door and frame reinforcement.
- From centerline of hinge to end of track 27-3/8" (695.3mm).
- Minimum ceiling clearance for track is 1-1/8" (26.6mm).
- Closer mounted with sex nuts requires the use of door silencers.
- Dimensions are given in $\frac{\text{inches}}{\text{(mm)}}$
- Maximum frame reveal is 1/8" (3mm).

- Maximum door opening:
Non-Hold Open
110°- recommended with cushion stop in track.
180°- without cushion stop.
Hold Open
110°- recommended with cushion stop in track.
135°-without cushion stop.
- Use of auxillary door stop is recommended to prevent damage to door, frame, and hinge when severe or abusive conditions are expected.

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4440ST & 440ST Non Hold Open- Hinge Mounted Installation
4450ST & 450ST Hold Open- Hinge Mounted Installation
 Door Closer with SlideTrack With or Without 486 Drop Plate
 For Use on Doors with 4½" or 5" Wide Butt Hinges

Template Number:
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1-855-557-5078
www.assaabloy.com