

# Full Mortise Geared Hinges Installation Instruction

## Model FMHD , FMOHD

### I. CAUTION:

Please follow the installations instructions carefully. Not doing so may result in improper installation and void warranty. All hinges have a permanent, factory applied lubricant on the geared areas. Removal or alteration of this lubricant or painting of the product in the field will void the warranty.

### II. CLEARANCE REQUIREMENT CALCULATIONS

**Single Door:** Frame Opening - Total Clearance Required = Net Door Width  
**Double Door:**  $\frac{\text{Frame Opening} - \text{Total Clearance Required}}{2} = \text{Net Door Width Per Door}$

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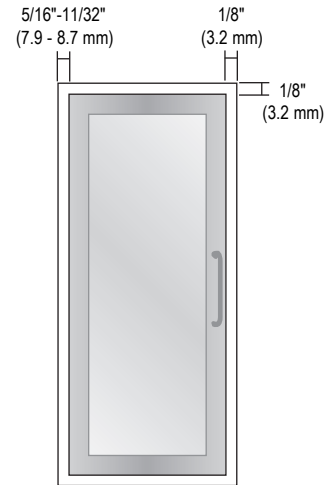
#### 1. SINGLE DOORS:

##### Single Doors (Square Edged)

	Clearances
A. Hinge clearance	5/16" ( 7.9mm )
B. Lockside clearance	1/8" ( 3.2mm )
C. Clearance for irregularities	1/32" ( 0.8 mm )
<b>Total Clearance Required</b>	<b>15/32" (11.9 mm)</b>

##### Single Doors (Beveled Edged)

	Clearances
A. Hinge clearance	5/16" ( 7.9mm )
B. Lockside clearance	1/8" ( 3.2mm )
C. Beveled edged clearance	1/32" ( 0.8 mm )
D. Clearance for irregularities	1/32" ( 0.8 mm )
<b>Total Clearance Required</b>	<b>1/2" (12.7 mm)</b>



#### 2. DOUBLE DOORS

##### Pairs of Doors (Square Edged)

A. First Hinge clearance	5/16" ( 7.9mm )
B. First Clearance for irregularities	1/32" ( 0.8 mm )
C. Edge to edge clearance	3/16" ( 4.8 mm )
D. Second hinge clearance	5/16" ( 7.9mm )
E. Second clearance for irregularities	1/32" ( 0.8 mm )
<b>Total Clearance Required</b>	<b>7/8" (22.2 mm)</b>

##### Pairs of Doors (Beveled Edged)

A. First Hinge clearance	5/16" ( 7.9 mm )
B. First clearance for irregularities	1/32" ( 0.8 mm )
C. First beveled edge clearance	1/32" ( 0.8 mm )
D. Edge to edge clearance	3/16" ( 4.8 mm )
E. Second hinge clearance	5/16" ( 7.9 mm )
F. Second beveled edge clearance	1/32" ( 0.8 mm )
G. Second clearance for irregularities	1/32" ( 0.8 mm )
<b>Total Clearance Required</b>	<b>15/16" ( 23.8 mm )</b>

