



Harmon Hinge Spacing Guidelines

Common practice is to locate top and bottom hinges as shown. General guidelines are to use two Harmon hinges for doors up to 5 ft. tall, adding one hinge for each additional 2-1/2 ft. of door height. Take into consideration door weight and frequency of use. Use the below table as a guide.

| Door Ht. | No. of Hinges* |
|----------|----------------|
| Up to 5' | 2 |
| 7-1/2' | 3-4 |
| 10' | 5-6 |
| 12-1/2' | 6-7 |
| 15' | 7-8 |

*Note: Use higher number of hinges for doors greater than 2" thick or doors with applied features (mirrors, tile/marble or other architectural/design elements).

Average door weights of Architectural Grade doors

| Door Type | Door Thickness | | |
|--------------|----------------|--------|------|
| | 1-3/8" | 1-3/4" | 2" |
| Hollow Metal | 4.00 | 5.00 | 6.50 |
| Hollow core | 2.00 | 2.50 | |
| Solid Core | 3.50 | 4.50 | 5.25 |
| Mineral Core | 3.50 | 4.00 | |
| Pine | 3.00 | 3.50 | 4.00 |
| Oak | 5.00 | 7.00 | 8.00 |
| Ash | 4.00 | 5.00 | 6.00 |
| Fir | 3.00 | 3.50 | 4.00 |
| Birch | 4.25 | 5.50 | 6.25 |
| Mahogany | 3.50 | 4.50 | 5.25 |

| | | 1-3/4" Thick Door | | |
|------------|-----|-------------------|-----|-----|
| | | Door Width | | |
| | | 32" | 36" | 48" |
| | | door weight (lbs) | | |
| Pine | 80" | 62 | 70 | 93 |
| | 84" | 65 | 74 | 98 |
| | 96" | 75 | 84 | 112 |
| Oak | 80" | 124 | 140 | 187 |
| | 84" | 131 | 147 | 196 |
| | 96" | 149 | 168 | 224 |
| Ash | 80" | 89 | 100 | 133 |
| | 84" | 93 | 105 | 140 |
| | 96" | 107 | 120 | 160 |
| Fir | 80" | 62 | 70 | 93 |
| | 84" | 65 | 74 | 98 |
| | 96" | 75 | 84 | 112 |
| Birch | 80" | 98 | 110 | 147 |
| | 84" | 103 | 116 | 154 |
| | 96" | 117 | 132 | 176 |
| Mahogany | 80" | 80 | 90 | 120 |
| | 84" | 84 | 95 | 126 |
| | 96" | 96 | 108 | 144 |
| Solid Core | 80" | 80 | 90 | 120 |
| | 84" | 84 | 95 | 126 |
| | 96" | 96 | 108 | 144 |