



GENERAL INFORMATION

Door Weights Per square foot in pounds					Door Weights in kilograms per square meter					
Thickness in inches					Variety of doors	Thickness in mm				
1 3/8	1 3/4	2	2 1/4	2 1/2		35 mm	44 mm	50 mm	57 mm	63 mm
lb	lb	lb	lb	lb		kg	kg	kg	kg	kg
4 1/2	5 1/4	6	6 3/4	7 1/2	Mahogany	22	26	29	33	37
-	5	-	-	-	Tubular Steel	-	24	-	-	-
3 3/4	4 1/3	5	5 2/3	6 1/4	Birch	18	21	24	28	30
6	7	8	9	10	Oak	29	34	39	44	49
4 1/2	5 1/4	6	5 2/3	7 1/2	Ash	22	26	29	33	37
-	5	-	-	-	Kalamein	-	24	-	-	-
3	3 1/2	4	4 1/2	5	White Pine	15	17	19	22	24
2	2 1/2	-	-	-	Hollow Core	10	12	-	-	-
2 1/2	3	-	-	-	Solid Core	12	15	-	-	-
6 1/2	6 1/2	6 1/2	6 1/2	-	Hollow (Metal)	32	32	32	32	-
3	3 1/2	4	4 1/2	5	Fir	15	17	19	22	24

Notes :

- 1) All doors should be hung on ball bearing hinges, with the exception of residential interior doors.
- 2) Doors 1 3/4 in. (44 mm) and over in thickness, of solid wood, hollow metal or Kalamein, or any other doors weighing over 75 pounds (34 Kg) should be hung on heavy - weight hinges.

Frequency of Door Operation

Type of Buildings and doors	Type of hinges to be used	Estimated Frequency	
		Daily	Yearly
		High Frequency	
Large Department Store Entrance	4 Ball Bearing Hinges	5,000	1,500,000
Large Office Building Entrance		4,000	1,200,000
Theater Entrance		1,000	450,000
School Entrance		1,250	225,000
School Toilet Door		1,250	225,000
Store or Bank Entrance		500	150,000
Office Building Toilet Door		400	118,000
		Average Frequency	
School Corridor Door	2 Ball Bearing Hinges	80	15,000
Office Building Corridor Door		75	22,000
Store Toilet Door		60	18,000
Dwelling Entrance		40	15,000
		Low Frequency	
Dwelling Toilet Door	Plain bearing Hinges	25	9,000
Dwelling Corridor Door		10	3,600
Dwelling Closet Door		6	2,200