

CALCULATED DOOR WEIGHT TABLE

3/4" (19mm) Thick Doors

Width x Height		24x72	24x80	24x84	24x96	30x72	30x80	30x84	30x96	36x72	36x80	36x84	36x96
SqFt		12	13.3	14	16	15	16.7	17.5	20	18	20	21	24
Material	Lb/SqFt	Calculated Door Weight (Lb)				Calculated Door Weight (Lb)				Calculated Door Weight (Lb)			
Hollow core	1.1	13	14	15	17	16	18	19	22	19	22	23	26
White pine	1.5	19	21	22	25	23	26	27	31	28	31	21	37
Fir	1.5	19	21	22	25	23	26	27	31	28	31	32	37
Solid core	1.9	23	25	27	30	28	32	33	38	34	38	40	46
Mahogany	1.9	23	26	27	31	29	32	34	39	35	39	41	46
Ash	2.2	26	29	31	35	33	36	38	44	39	44	46	53
Birch	2.3	28	31	33	37	35	39	41	47	42	47	49	56
Oak	2.9	35	39	41	46	44	48	51	58	52	58	61	70

1" (25mm) Thick Doors

Width x Height		24x72	24x80	24x84	24x96	30x72	30x80	30x84	30x96	36x72	36x80	36x84	36x96
SqFt		12	13.3	14	16	15	16.7	17.5	20	18	20	21	24
Material	Lb/SqFt	Calculated Door Weight (Lb)				Calculated Door Weight (Lb)				Calculated Door Weight (Lb)			
Hollow core	1.4	17	19	29	23	22	24	25	29	26	29	30	35
White pine	2.1	25	28	29	33	31	34	36	41	37	41	43	50
Fir	2.1	25	28	29	33	31	34	36	41	37	41	43	50
Solid core	2.5	30	34	36	41	39	43	45	52	47	52	54	62
Mahogany	2.6	31	34	36	41	39	43	45	52	47	52	54	62
Ash	2.9	35	39	41	47	44	49	51	59	53	59	61	70
Birch	3.1	37	42	44	50	47	52	55	62	56	62	66	75
Oak	3.9	47	52	54	62	58	65	68	78	70	78	82	93

1-3/8" (35mm) Thick Doors

Width x Height	24x72	24x80	24x84	24x96	30x72	30x80	30x84	30x96	36x72	36x80	36x84	36x96	
SqFt	12	13.3	14	16	15	16.7	17.5	20	18	20	21	24	
Material	Lb/SqFt	Calculated Door Weight (Lb)				Calculated Door Weight (Lb)				Calculated Door Weight (Lb)			
Hollow core	2.0	24	27	28	32	30	33	35	40	36	40	42	48
White pine	3.0	36	40	42	48	45	50	53	60	54	60	63	72
Fir	3.0	36	40	42	48	45	50	53	60	54	60	63	72
Solid core	3.5	42	47	49	56	53	58	61	70	63	70	74	84
Mahogany	3.5	42	47	49	56	53	58	61	70	63	70	74	84
Ash	4.0	48	53	56	64	60	67	70	80	72	80	84	96
Birch	4.3	51	57	60	68	64	71	74	85	77	85	89	102
Oak	5.0	60	67	70	80	75	83	88	100	90	100	105	120

1-3/4" (44mm) Thick Doors

Width x Height	24x72	24x80	24x84	24x96	30x72	30x80	30x84	30x96	36x72	36x80	36x84	36x96	
SqFt	12	13.3	14	16	15	16.7	17.5	20	18	20	21	24	
Material	Lb/SqFt	Calculated Door Weight (Lb)				Calculated Door Weight (Lb)				Calculated Door Weight (Lb)			
Hollow core	2.5	30	33	35	40	38	42	44	50	45	50	53	60
White pine	3.5	42	47	49	56	53	58	61	70	63	70	74	84
Fir	3.5	42	47	49	56	53	58	61	70	63	70	74	84
Solid core	4.3	51	57	60	68	64	71	74	85	77	85	89	102
Mahogany	4.5	54	60	63	72	68	75	79	90	81	90	95	108
Ash	5.0	60	67	70	80	75	83	88	100	90	100	105	120
Birch	5.5	66	73	77	88	83	92	96	110	99	110	116	132
Oak	7.0	84	93	98	112	105	117	123	140	126	140	147	168

2" (51mm) Thick Doors

Width x Height	24x72	24x80	24x84	24x96	30x72	30x80	30x84	30x96	36x72	36x80	36x84	36x96	
SqFt	12	13.3	14	16	15	16.7	17.5	20	18	20	21	24	
Material	Lb/SqFt	Calculated Door Weight (Lb)				Calculated Door Weight (Lb)				Calculated Door Weight (Lb)			
Hollow core	na	-	-	-	-	-	-	-	-	-	-	-	
White pine	4.0	48	53	56	64	60	67	70	80	72	80	84	96
Fir	4.0	48	53	56	64	60	67	70	80	72	80	84	96
Solid core	5.3	63	70	74	84	79	88	92	105	95	105	110	126
Mahogany	5.3	63	70	74	84	79	88	92	105	95	105	110	126
Ash	6.0	72	80	84	96	90	100	105	120	108	120	126	144
Birch	6.3	75	83	88	100	94	104	109	125	113	125	131	150
Oak	8.0	96	107	112	128	120	133	140	160	144	160	168	192

