besam
entrance solutions

Recommended Swingmaster ETIK Resistor Values for Various Door Weights

Use this table along with the appropriate ANSI standard to determine the best closing resistor for your application.

SwingMaster 455 Surfaced Applied with Butt Hinges		
Door Width	Closing Time from 90 to 10 degrees	OHM
36" to 48"	4.9 Seconds	50
36" to 48"	3.7 Seconds	82
36" to 48"	2.5 Seconds	180

ANSI 156.19-2002

4.2.1 Doors shall be field adjusted to close from 90 degrees to 10 degrees is 3 seconds or longer as required in Table 1.

Table 1	"W" Door Weight in Pounds					
"D" Door Leaf Width - Inches	100	125	150	175	200	Pounds
36"	3	3.5	3.5	4	4	Seconds
42"	3.5	4	4	4.5	4.5	Seconds
48"	4	4.5	4.5	5	5.5	Seconds

*Check applicable Building Codes for clear width requirements in Means of Egress.

Doors of other weights and widths can be calculated using the formula:

$$T=D\sqrt{W}\,/\,133$$

ANSI 156.10-2005

10.2.5 A swinging door shall be adjusted so that closing times to latch check shall be the minimum values in the following table:

(D)oor	Inches	36" & Under	36"	42"	42"	48"	48"
(W)eight	Pounds	to 100lbs	to 140lbs	to 110lbs	to 150lbs	to 120lbs	to 160lbs
(T)ime	Seconds	2	2.3	2.3	2.7	2.8	3.2

For doors of other weights and widths:

$$T=D\sqrt{W}\,/\,188$$