



Technical Standards and Safety Authority  
INSPECTION PROCEDURE

January 13, 2013

Closing Time of Elevator Horizontal Sliding Doors for Given Door Mass

Rev. 0

See 2.13.4.2.4, 8.6.3.8, 8.6.4.19.8, and 8.6.5.14.6

<b>SI units</b>									
Door opening	Single slide doors			Centre-parting doors			Two slide doors		
mm	Mass, kg	Normal speed, s	Reduced speed, s	Mass, kg	Normal speed, s	Reduced speed, s	Mass, kg	Normal speed, s	Reduced speed, s
915 x 2130	140–185	2.3–3.3	3.9–5.5	—	—	—	—	—	—
1070 x 2130	160–215	2.9–3.9	4.9–6.6	190–225	1.5–2.6	2.6–4.4	170–230	2.5–3.5	5.0–6.0
1220 x 2130	—	—	—	220–250	1.9–2.9	3.2–4.9	190–255	3.0–4.0	5.1–6.5
<b>Imperial units</b>									
Door opening	Single slide doors			Centre-parting doors			Two slide doors		
in	Mass, lb	Normal speed, s	Reduced speed, s	Mass, lb	Normal speed, s	Reduced speed, s	Mass, lb	Normal speed, s	Reduced speed, s
36 x 84	300–400	2.3–3.3	3.9–5.5	—	—	—	—	—	—
42 x 84	350–475	2.9–3.9	4.9–6.6	420–500	1.5–2.6	2.6–4.4	375–500	2.5–3.5	5.0–6.0
48 x 84	—	—	—	485–550	1.9–2.9	3.2–4.9	420–560	3.0–4.0	5.1–6.5

**NOTES:**

- (1) This Table was developed to assist in annual maintenance inspection in accordance with **8.6 requirements** where no data plate is provided in accordance with 2.13.4.2.4
- (2) The data provided in the Table are based on a survey of several manufacturers and are intended to be used as a guideline only.
- (3) The Table covers sheet steel doors with painted surfaces without cladding.
- (4) Door closing time is the time to travel from a point 50 mm away from jamb to a point 50 mm away from the opposite jamb. In the case of centre-parting doors, time to travel is from a point 25 mm away from jamb to a point 25 mm from the centre.
- (5) In the absence of actual figures available from the manufacturer, use the upper limit of the range for adjustment and inspection purposes.