

	Technical Standards and Safety Authority INSPECTION PROCEDURE	January 25, 2008
	Procedure for Testing Door Closing Force	Rev. 0

Background:

The reference to this requirement is found in the current B44-07 and earlier editions dating back to 1985 requiring that the force not exceed 30 ft lbs (135 N) of force and measured on the leading edge of the door with the door at any point between one-third and two-thirds of its travel. Editions prior to 1985 published the requirement but did not give measurement criteria.

Requirement:

The reference to this requirement is found in the A17.2 Guide for Inspection of Elevators, Escalators, and Moving Walks, Item 1.8.1.

To test the door closing force, park the car at floor level and start the doors in the closing direction. Allow the doors to close between one-third and two-thirds of their normal travel and stop them. Push a force measuring device with a range appropriate to measure 30 lbf (133 N) against the stopped door, removing the stop so the door is held stationary by the force measuring device. Slowly back off on the device until the point the door just starts to move. At this point, the door and measuring forces are in equilibrium and the force can be read.