

## The Elevator

How it works:

Elevators are designed to move efficiently and safely. The passenger car is hauled along metal guide rails by a cable made from any steel ropes wound together. A secondary cable attaches the car to a safety brake called a governor. This sturdy wheel has two weighted arms inside it that turns as the wheel spins. If the elevator main cable snaps, causing the car to plummet, the secondary cable turns the governor very fast. Meanwhile, the counterweight is a weight the same as the car to balance the elevator car. There is also a shock absorber to reduce impact if the car descends too quickly. There are also different types of lifts such as the freight elevator and the passenger elevator. There are also different types of motors that the lift can use, like the hydraulic, or the electric motor. Also elevators have different types of doors to like the 2-speed, 3-speed, and the single slide speed door. Elevators can come in a range of designs like a glass elevator, a closed elevator, and a caged elevator which you would find mostly on a freight elevator. Here are some good recommendations for elevators to choose from.

- Schindler
- Dover
- Otis
- U.S elevator
- Westinghouse

And remember, elevators are supposed to be safe, do not be scared that you are going to get stuck or plummet down 10 stories, elevators are supposed to be safe and reliable. Here are some facts and information about elevators!

The doors on an elevator are simply controlled by a mechanical arm attached to a small motor. The base contains heating and ventilation units. Many elevators today are computer-controlled. Now this is a lot of information about elevators. Hopefully you learned a lot from this article!