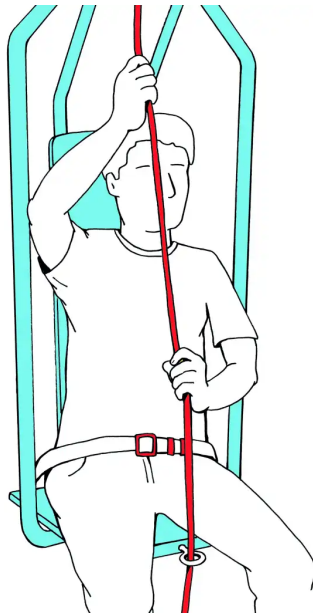


Airbrake

How can air slow you down when you fall?



Fasten your seat belt.

Pull yourself up with the rope as far as possible.

Watch the wind wheel above when you let go the rope. Do you feel the wind generated by the wind wheel?

The wind wheel is powered by your weight. The wind wheel's air resistance slows down your free fall.

A propeller uses blades which push the air away to one side.

Paddles with a flat surface have maximum air resistance.

With an airplane's propeller (or at the other extreme a wind wheel) the tilt of the blades is essential for the propulsion.