



ZIPSTOP ZIP LINE BRAKE SYSTEMS

The zipSTOP slows your zip line riders gradually, comfortably, and reliably using self-regulated magnetic braking technology

The zipSTOP is easy to operate, automatically resets, has no downtime due to weather, and provides consistently smooth braking for a wide range of rider weights, with arrival speeds up to 15mph (24kph) with a 2:1 reduction ratio. The result is higher throughput and a better customer experience.

The zipSTOP IR is a more streamlined version that can accommodate speeds up to 37 mph (60 kph) without the need for an external reduction line system, making installation and upkeep easier.

KEY BENEFITS OF ZIPSTOP BRAKE SYSTEMS

- **Eddy current braking technology** allows for smooth rider deceleration
- **Wide range** of rider weights and speeds gives you flexibility in zip line design and operations
- **Increased throughput** through consistent braking distance and automatic reset
- **Low operational cost** and risk by eliminating the need for rider or staff involvement in braking
- **Low cost of ownership** from low maintenance costs and minimal parts replacement
- **All weather performance** because it can be installed in any outdoor environment and was built to withstand the elements

For a complete list of specifications and availability,
www.challengesunlimited.com

zipSTOP zip line brakes are simply the best choice for your zip line or canopy tour.





The zipSTOP and zipSTOP IR use a self-regulating magnetic braking system to brake zip line participants smoothly and comfortably.

With automatic reset and consistent braking for a wide range of rider weights and speeds, zipSTOP minimizes the potential for human error while providing higher throughput and a better customer experience.



SPECIFICATIONS

zipSTOP and zipSTOP IR Zip Line Brake

Maximum rated working capacity: 15 to 150 kg (30 to 330 lbs)

Device weight: 23.5 kg (52 lbs)

zipSTOP Zip Line Brake

Rated working velocity: 6 to 36 kph (4 to 22 mph) utilizing a direct 1:1 load

10 to 60 kph (6 to 37 mph) utilizing a 2:1 reduction line*

60+ kph (37+ mph), utilizing 3:1 and greater reduction*

*Higher rated working velocities require that the zipSTOP be utilized in conjunction with a reduction line assembly

Line specifications

Type: Nylon/Spectra Webbing

Width: 19 mm (3/4 in)

Thickness: 2.5 mm (.1 in)

Breaking load (new): 15.6 kN (3507 lbs)

zipSTOP IR Zip Line Brake

Rated working velocity: 6 to 60 kph (4 to 37 mph) utilizing a direct 1:1 load (cannot be used with external reduction lines in any configuration)

Line specifications

Type: Nylon/Dyneema Webbing

Width: 20.8 mm (0.8 in)

Thickness: 1.5 mm (0.06 in)

Breaking load (new): 22 kN (4946 lbs)

OTHER PRODUCTS & ACCESSORIES

- **GORILLA ROPE:** specially designed to work as a reduction line for zipSTOP, it brings high strength, a long life span, and minimal stretch to your zip line use.
- **IMPACT TROLLEY:** the only trolley on the market designed specifically for impact braking, providing smoother braking, enhanced rider experience, reduced cable wear, and decreased rider risk.
- **REDIRECTION PULLEY:** the first pulley of its kind; lightweight, corrosion resistant and specially engineered to be virtually resistant to snagging.
- **ZIPSTOP PIVOT MOUNT:** expands the mounting possibilities of your zipSTOP or zipSTOP IR, allowing the use of a gantry while also allowing for smoother braking, reduced webbing wear, improved retraction, and simplified installation.

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