



# ZIPLINE TROLLEYS

The compact **Zippey Trolley** has been introduced to compete with lightweight one-handed fitting trolleys. Often the trolleys for this end of the market are 'low-cost' or 'budget' options, which suffer the common problems of premature wear (due to poor materials), short bearing life (due to poor quality bearings) and offer very few features.

The **Zippey** is a compact, lightweight **Trolley** for up to 13mm (1/2") diameter cable. The **Zippey** is ideally suited for use on short to medium length lines. The **Zippey** can easily be stored on the user's harness and carried when walking to and between ziplines. **Zippey** is fitted with a spring-loaded **Double Action** gate, which can be operated (and the **Trolley** mounted on the zipwire), quickly and easily in a **one-handed operation**. The **Zippey** can be used with a direct lanyard connection, or with a lanyard connected with a Karabiner. **Hooked** end stops are available and can be used to mount a secondary lanyard to the **Trolley**.

**ZipSpeed Trolleys** are fitted with special Rubber-sealed, Deep Groove Ball Bearings as standard. These bearings have been chosen for optimal high speed, low friction performance. The rubber seals retain the grease lubricant, whilst defending the bearings from moisture and contaminants; giving the **ZipSpeed** a lifespan of thousands of miles/kilometres.

The **ZipSpeed-S Trolley** is an intermediate **Trolley**, with models available for 13, 16 or 20mm (1/2, 5/8 or 3/4") diameter cables. The S-model is suited to medium length, medium speed ziplines. The **ZipSpeed-S** has three main attachment points and a rear attachment point which allows the operator to attach a secondary lanyard, with a connector which captivates the zipcable.

The **ZipSpeed-L** is the ideal **Trolley** for medium length or longer, faster lines! **ZipSpeed-L** versions are available for cable diameters of 13, 16 or 20mm (1/2, 5/8 or 3/4"). **ZipSpeed-L** is compatible with the Superman and Parachute\* style harnesses. (Stabiliser bar accessory is also required in order to use the Parachute Harness.)

## RP074 Zippey Trolley

**Weight** 450g (1lb)  
**MBS** 25kN (5620lbf)  
**Max. Cable** 13mm (1/2")  
**Wheel Material** Stainless Steel  
**Wheel Diameter** 29mm (1 3/16")



Available with choice of hooked or flat end-stops



### ZipSpeed Colour Size Indicator Sleeve



## RP075 Zipspeed-S Trolley

**MBS** 40kN (8992lbf)  
**Weight** 875g (31oz)  
**Wheel Material** Stainless Steel  
**Wheel Diameter** 50mm (2")

**Available Models**  
**RP075A** 13mm (1/2") Wire  
**RP075B** 16mm (5/8") Wire  
**RP075G** 20mm (3/4") Wire



## RP076 Zipspeed-L Trolley

**MBS** 40kN (8992lbf)  
**Weight** 1810g (64oz)  
**Wheel Material** Stainless Steel  
**Wheel Diameter** 75mm (3")

**Available Models**  
**RP076A** 13mm (1/2") Wire  
**RP076B** 16mm (5/8") Wire  
**RP076G** 20mm (3/4") Wire



# ANTI-ROLLBACK CAM (ARC)

The Anti-Rollback Cam is a simple device which can be retro-fitted to the ZipSpeed and Zippey Trolleys. During normal use, the cam trails, allowing the trolley to roll forwards, unhindered. However, as soon as the trolley begins to roll backwards, the cam is activated, bringing the trolley to an immediate halt. This anti-rollback function captures the progress of the trolley, which means that even when the trolley doesn't reach the end of the zipline, it cannot roll backward and hence rescue distance (and therefore, rescue time) is significantly reduced.

Some trolleys are fitted with one-way bearings which are supposed to stop the trolley from rolling backwards but tests and feedback have shown the ARCs to be a much more effective and inexpensive solution.

The Anti-rollback Cam (ARC) is great for use with braking systems! As soon as the braking system has completed its function in slowing and subsequently stopping the forward movement of the trolley, the trolley can often begin to roll backwards! If not caught by a member of staff (who may have multiple lines to supervise), the rider can soon-after find themselves stranded mid-way down the zipline. The ARC alleviates this problem!



## ARC074 Zippey ARC Cam

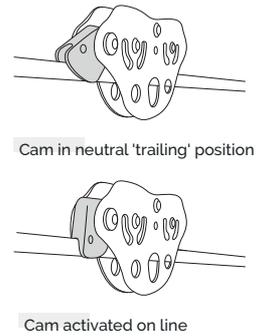
**Weight** 59g (2oz)

**Max. Cable** 12mm - 13mm (1/2")

**Versions Available** 12mm & 13mm

| Part Code | Compatible with | Cable Diameter Options |
|-----------|-----------------|------------------------|
|-----------|-----------------|------------------------|

|          |                             |      |
|----------|-----------------------------|------|
| ARC074A1 | RP074 Zippey (all versions) | 12mm |
| ARC074A2 | RP074 Zippey (all versions) | 13mm |
| ARC075A1 | RP075 ZipSpeed Trolley      | 13mm |
| ARC075A2 | RP075 ZipSpeed Trolley      | 12mm |
| ARC075B1 | RP075 ZipSpeed Trolley      | 16mm |
| ARC076A1 | RP076 ZipSpeed Trolley      | 13mm |
| ARC076A2 | RP076 ZipSpeed Trolley      | 12mm |
| ARC076B1 | RP076 ZipSpeed Trolley      | 16mm |
| ARC076G1 | RP076 ZipSpeed Trolley      | 20mm |
| ARC076G2 | RP076 ZipSpeed Trolley      | 19mm |
| ARC076G3 | RP076 ZipSpeed Trolley      | 18mm |



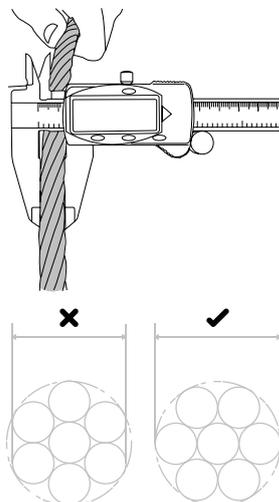
## ARC075/6 ZipSpeed ARC Cam

**Weight** 69g - 100g (2oz)

**Max. Cable** 12mm - 20mm (1/2" - 3/4")

**Versions Available** 12mm, 13mm, 16mm, 18mm, 19mm, 20mm

Correct Measurement of Cable



**\*IMPORTANT** - Smooth cable (swaged or interlocked) improves the performance of the trolleys and ARCs. Conversely, coarse-lay cables reduce the lifespan of the trolleys and ARCs.

**\*IMPORTANT** - We can also supply the ARCs fully fitted and assembled with the Trolley, please contact us for more information.

**\*IMPORTANT** - Due to the many different cable types and variables affecting usage we recommend that you carry out trial evaluations with a sample ARC on your chosen trolley and cable to ensure compatibility and suitability in the environment which you intend to use them. If your cable size is not listed please request a sample for evaluation.



# GRAB-CATCH

The 'Grab-catch' hook accessory allows our trolleys full compatibility with 'Grab-catch' hoop systems, allowing the hoop on the brake shuttle to captivate the hook on the trolley.

This captivation means that the end of line braking system cannot propel users backwards down the line, as it resets its position.

The Grab-catch hook can be easily retro-fitted to a Zip Trolley using standard tools.

**GRAB075 & GRAB076**  
ZipSpeed Grab-catch Available soon!



**GRAB074A1** Zippey Grab-catch

**Weight** 88g (3oz)  
**Height** 63mm (2 1/2")  
**Width** 75mm (3")  
**Thickness** 6mm (1/4")

# SPECIALIST HARNESSSES

The Parachute Harness offers riders the opportunity to admire the view, from a secure seated position. This harness is available in five sizes (S—XXL) and can accommodate a maximum user weight of 150kg (310lbs). Each harness is supplied with 'W' attachment bridle, which can be ordered separately and replaced on site as required. The Parachute Harness is compatible with the RP076 Large ZipSpeed Trolley- fitted with Stabiliser Bars, which are available as factory-fitted, or a retro-fit accessory kit.



**5AB-ZLSEAT** Parachute Harness

**Weight** 3kg (6.6lb)  
**Recommended Karabiners** 2x KL311TL & 1x KH212TL  
**Sizes** S - XXL

The Superman Harness offers the ultimate exhilarating 'flying' experience and is ideally suited to long, fast & high adrenaline lines! The Superman harness is mounted directly to the attachment holes of the RP076 Large ZipSpeed Trolley.



**5AB-ZLH** Superman Harness

**Weight** 2kg (4.4lb)  
**Recommended Karabiners** 3x KH212TL  
**Sizes** S - XXL

Both harnesses are worn as a suit and users are free to walk between zip lines, without having to remove the harness.



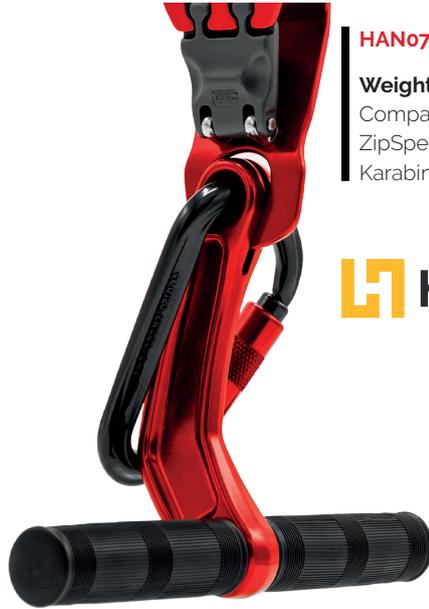
# HANDLE BARS

The NEW Boomerang Handle Bar allows riders to keep themselves facing forward during their ride and improves user engagement.

Developed together with Hackwell Innovations, the Boomerang is compatible with a wide range of Zip Trolleys (subject only to Karabiner compatibility).

The major advantage of the Boomerang is that the handle bar itself does not need to provide life support, as the rider is connected directly to the Zip Trolley, using a lanyard and Karabiner. This also means that lanyards can easily be exchanged, to allow for rider height.

HAN074A1 features a central bollard, which accepts 25mm (1") rope/webbing lanyard or Karabiner connection, and is compatible with RP074 Zippey Clip'n'Zip Trolley.



**HAN078** Boomerang

**Weight** 364g (13oz)  
Compatible with all ISC Zippey and ZipSpeed Trolley types (subject to Karabiner compatibility)



**HAN074** Zippey Handle Bar

**Weight** 59g (2oz)  
Compatible with Zippey Clip'n'Zip Trolley (see page 3)

# LANYARDS

We offer a wide range of fixed-length and adjustable length webbing and rope lanyards.

Rope lanyards are available with soft, or thimble eye loops. Webbing lanyards are supplied with standard soft eye-loops.

Other lengths are available.



**LAN-W5**

**Material** Webbing (25mm)  
**Length** 300mm (11") Fixed  
**Eye Type** Soft Eye  
**Compatibility** Direct to HAN074

**5CM-LRA101** Adjustable Lanyard

**Length**  
**Minimum** 600mm (24")  
**Maximum** 900mm (35")

**LAN-WA**

**Material** Webbing (25mm)  
**Length** 600mm-800mm Adjustable  
**Eye Type** Soft Eye  
**Compatibility** Direct to HAN074

**LAN-RDS**

**Material** LSK Rope (11mm)  
**Length** 300mm (11") Fixed  
**Eye Type** Soft Eye  
**Compatibility** Direct to HAN074

**LAN-RA**

**Material** LSK Rope (11mm)  
**Length** 600mm-800mm Adjustable  
**Eye Type** Soft Eye  
**Compatibility** Direct to HAN074

**SCM-LRA101**

**Material** Webbing (25mm)  
**Length** 600mm-900mm Adjustable  
**Eye Type** Soft, Choke-hitch Eye  
**Compatibility** Direct to RP074 Trolley and RP430 Smartsnap

**LAN-RA**

**Material** LSK Rope (11mm)  
**Length** 600mm-800mm Adjustable  
**Eye Type** Thimble Eye  
**Compatibility** Connects to Trolley or Handle Bar with Connector

**LAN-RS**

**Material** LSK Rope (11mm)  
**Length** 600mm-800mm Fixed  
**Eye Type** Thimble Eye  
**Compatibility** Connects to Trolley or Handle Bar with Connector

# LOW-NOISE ZIP TROLLEYS

Our project with ZipWorld tackled the issue of sound emission, with ZipWorld taking a pro-active approach to reducing the noise generated from its zip lines and considering the effect on local residents and wildlife.

Noise reducing systems play a pivotal role, when looking to grow the number of zip lines at any one location, as the more lines in operation, the more sound produced. We relished the challenge and set about the task of developing the means of making our ZipSpeed Trolleys run near silent, whilst maintaining the key design features which make it such a successful and integral part of Zipworld's offering.

We worked closely with ZipWorld to design and manufacture a trolley that was capable of performing at speeds of over 100mph, whilst suspended 500ft in the air. The trolley had to be capable of repeating this feat over and over, as demand was expected to be high. Years since ZipWorld opened its doors at the Velocity ride in North Wales, it now operates at three Zipline sites. This is a reflection of its popularity and success and ZipWorld is now looking to erect more lines at its sites, in order to satisfy the demand.



Our new range of ZipSpeed Noise Reduction Trolleys are fitted with Nylon Wheels.

Wheels made from Nylon are commonly used in factory environments, due to their optimal balance of high reliability and durability, together with their ability to reduce machinery noise to an acceptable level.

Our Nylon wheels have shown a noise reduction of as much as 7dB, when tested on a range of cable types.

Noise Reduction Wheels are available on our 13mm and 16mm (1/2" and 5/8") ZipSpeed models- (please add part code suffix 'NR' to our regular part codes).

Our Nylon wheels are suitable for use on all industry-standard Zipline cables, however for maximum performance and durability, we recommend the use of smooth-surfaced 'Interlocked' cable.

## RP076A1.2-NR 13mm Noise Reduction Trolley

**Max. Rope Diameter** 13mm (1/2")

**Wheel Material** Nylon

## RP076B1.2-NR 16mm Noise Reduction Trolley

**Max. Rope Diameter** 16mm (5/8")

**Wheel Material** Nylon



# ACCESSORY COMPATIBILITY

**Anti-rollback Cams** are trolley-specific. Upon ordering, please specify which ISC trolley model you intend to use the accessory with, so that we can ensure that we supply the correct ARC for your trolley. Additionally, **Anti-rollback Cams** are cable diameter specific. Please provide your cable diameter measurement together with details of the cable construction.

**Grab-catch Hooks** are trolley specific. Upon ordering, please specify the trolley model. If you are ordering **Grab-catches** to retro-fit to existing ISC Trolleys, please let us know the **serial numbers** of your Trolleys.

**Parachute Harnesses** are only compatible with the RP076 ZipSpeed-L Trolley and must be used together with the **Stabiliser Bar** mounting Kit. For connection of the mounting kit to the harness, we recommend the use of one KH212 **Steel HMS Karabiner** and two KL311 **Steel Oval Karabiners**. Harnesses are available in **five sizes** (S to XXL).

**Superman Harnesses** are only compatible with the RP076 ZipSpeed-L Trolley and should be attached using 3x KH212TL Karabiners.



## RP074 Zippey Trolley

### Compatible Accessories

Anti-rollback Cam (ARC)  
Grab-catch Hook  
HAN074 or HAN078 Handle Bar

## RP075 Zipspeed Trolley

**RP075A** 13mm (1/2") Wire  
**RP075B** 16mm (5/8") Wire  
**RP075G** 20mm (3/4") Wire

### Compatible Accessories

Anti-rollback Cam (ARC)  
Grab-catch Hook  
HAN078 Handle Bar

## RP076 Zipspeed Trolley

**RP076A** 13mm (1/2") Wire  
**RP076B** 16mm (5/8") Wire  
**RP076G** 20mm (3/4") Wire

### Compatible Accessories

Anti-rollback Cam (ARC)  
Grab-catch Hook  
HAN078 Handle Bar  
Parachute Harness  
Superman Harness  
Stabiliser Bar (req. with Parachute Harness)

## ARC074 Zippey ARC Cam

**Weight** 59g (2oz)  
**Max. Cable** 12mm - 13mm (1/2")  
**Versions Available** 12mm & 13mm

## ARC075 Zipspeed ARC Cam

**Weight** 67g - 74g (2.5oz)  
**Max. Cable** 12mm - 16mm (1/2" - 5/8")  
**Versions Available** 12mm, 13mm, 16mm

## ARC076 Zipspeed ARC Cam

**Weight** 79g - 100g (2.5oz - 3.5oz)  
**Max. Cable** 12mm - 20mm (1/2" - 3/4")  
**Versions Available** 12mm, 13mm, 16mm, 18mm, 19mm, 20mm

