

SPAN-LOCK AND ZIP-GRIP

Catenary Systems

Span-Lock and Zip-Grip are designed to be used in conjunction to create a complete catenary system – *The suspension solution of choice when no overhead fixing points are available.*



Installing a catenary system? Contact the Zip-Clip Technical Team on +44 (0)1686 623 366 for information on our comprehensive catenary calculation service.

AVAILABILITY

Span-Lock is available as standard in 5, 10, 15, 20, 30 and 40 metre lengths, with the following Safe Working Loads:

- **Y-SYSTEM** 30 kg SWL
- **P-SYSTEM** 75 kg SWL
- **N-SYSTEM** 100 kg SWL

Zip-Grip is available as standard in 1 to 10 metre **vertical** lengths (drops):

- **G-SYSTEM** 15 kg SWL
- **S-SYSTEM** 35 kg SWL

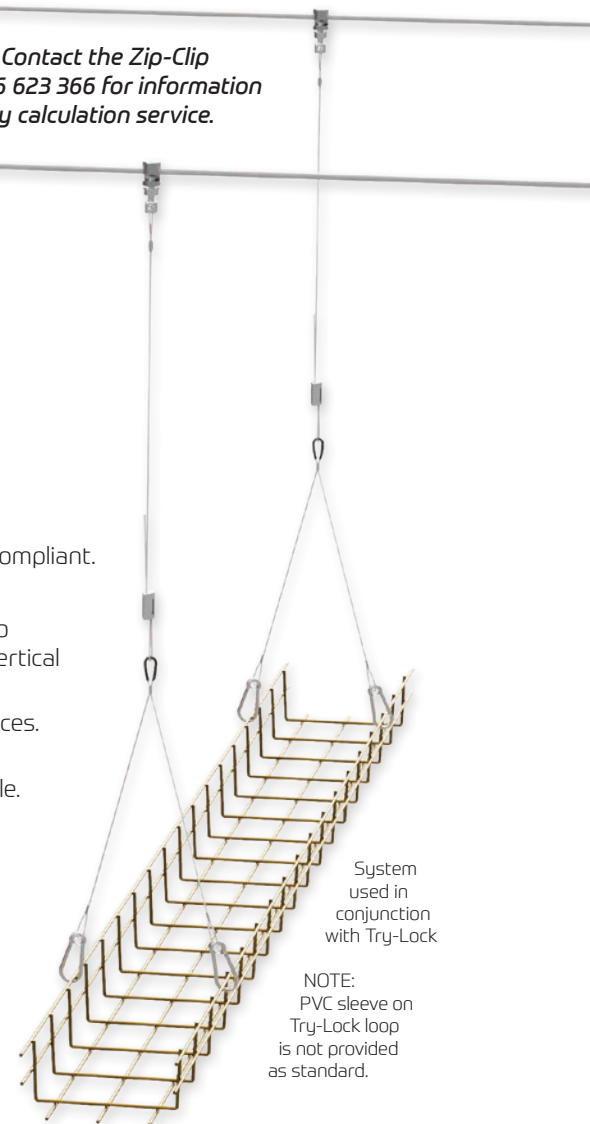
Note: Other span and drop lengths are available, please contact us for details.

APPLICATIONS

- Lightweight containment.
- Lightweight ductwork
- Lighting and lighting track.
- Lighting trunking.
- Busbar.
- Acoustic and radiant heat panels.

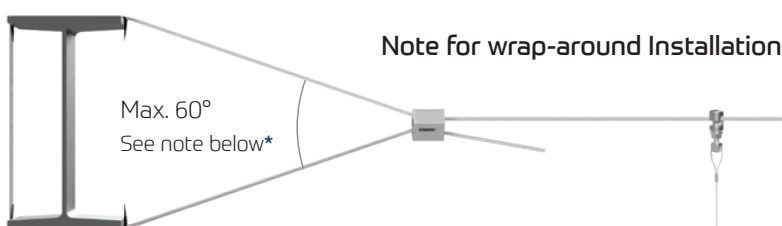
FEATURES

- 18th Edition Amendment 2:2022 compliant.
- Key free release system.
- Designed to traverse between two fixed anchor points and provide vertical suspension drops.
- Supplied with required locking devices.
- Suitable for applications where no overhead fixing points are available.
- Designed-in safety factor.



System used in conjunction with Try-Lock

NOTE: PVC sleeve on Try-Lock loop is not provided as standard.



* Note: When installing Span-Lock ensure a distance of at least 1.5 × the height of the beam is left between the Zip-Clip locking device and the structure. An installation angle of 60° should not be exceeded.

SPAN-LOCK INSTALLATION

- Secure each end of the Span-Lock wire to a fixed anchor point using the Zip-Clip locking devices supplied.
- Pass the wire through the Zip-Clip device in the direction of the arrow.
- Pass through or around your required suspension and back through the device leaving 15 cm of wire protruding.
- Use a tensioning tool to apply tension to the wire.
- Always confirm engagement of the locking device on the wire by pushing the pin in the opposite direction to the arrows.

When fixing from purlins, always consult with purlin manufacturer to advise loading capabilities, in conjunction with using the Zip-Clip calculation service. Please contact our Technical Team on +44 (0)1686 623 366 for more information.

ZIP-GRIP INSTALLATION

- Place the Zip-Grip onto the horizontal catenary wire and slide into place.
- Tighten the eye bolt until engaged on the Span-Lock wire, then tighten the locking nut to secure in place.
- Pass the free end of the wire through the Zip-Clip locking device provided in the direction of the arrow.
- Pass wire through or around the object to be suspended and back through the device leaving 15 cm of wire protruding.
- Adjust height as required.
- To reduce deflection in the wire Zip-Grip can be inverted and fixed to the structure above.
- Always confirm engagement of the locking device on the wire by pushing the pin in the opposite direction to the arrows indicated.

INSTALLATION VIDEOS

 ▲ Overview	 ▲ Wrap-around
 ▲ CT1 Anchor	 ▲ CT2 Anchor



MATERIALS

Zip-Clip Locking Devices: Zamak zinc alloy main body with internal stainless steel spring and sintered steel locking wedge(s).

Zip-Grip Device: BZP mild steel.

Wire Rope: Galvanised mild steel electro-galvanised wire rope, 1960 N/mm² grade, 7×7 or 7×19 IWRC construction, manufactured to BS EN 12385.

Note: Galvanised mild steel wire rope is predominantly for indoor applications. Regular galvanised wire rope should not be used in areas that have elevated levels of corrosion, heat or moisture. For external applications or those in coastal regions, it is recommended to use stainless steel wire rope. Zip-Clip provide 316 marine grade stainless steel wire rope.

For installations that are within corrosive areas, consult with Zip-Clip Technical Department.

MANUFACTURERS RECOMMENDATIONS






The Zip-Clip Span-Lock system is designed to support **STATIC loads only**. Dynamic and shock loads must be avoided and can greatly increase the overall weight of the product being suspended and therefore compromise the safe working load of the suspension. To ensure integrity and safety of the system only Zip-Clip wire rope should be used.

- Do not exceed the safe working load (SWL) of the product.
- Do not paint or apply any other coating.
- Do not lubricate.
- Do not use for lifting applications.
- Remove any frayed cable prior to inserting into locking device.
- Do not shock load or use for dynamic loads/installations.
- Do not mix Zip-Clip systems with other wire rope suspension manufacturers products.
- Do not use in corrosive environments.

INSTALLATION FACTORS

Installers must pay attention to the nature of the installation process. Certain installations, such as cable pulling, will introduce dynamic forces onto the supports. Where this might be the case, it is advised to select heavier duty systems.

Ball Strikes – Where this may be a potential factor, such as installations within sports halls, heavier duty wire rope supports should be utilised to offer maximum resistance to dynamic shock loads. Zip-Clip cannot guarantee its systems against the effects of ball strikes.

CATENARY SYSTEM ACCESSORIES		
	CT1	Catenary fixing 1: Open Anchor
	CT2	Catenary fixing 2: Blind Anchor
	CT3	Catenary fixing 3: Double Beam Clamp
	CT4	Catenary fixing 4: Beam Clamp
	ABSWP	Staple on wall plate
For additional accessories and tools visit Zip-Clip.com		

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