

REEL & CLIP SYSTEM

The system is designed to give installers the flexibility to custom-fit desired drop lengths on-site for both lightweight or heavy-duty installations.

SUFIX devices are utilised to anchor the wire rope to a ceiling or anchor point, as well as being used to attach the wire rope to the desired fixture or fitting.

AVAILABILITY

SYSTEM	DEVICE	Wire Rope	SWL (KG)
S	SUF100	R100S	50
		R200S	
		R500S	

- Loads indicated are per individual wire rope support when coupled with the SUFIX locking device.
- Third-party test certificates available upon request.
- All safe working loads and certifications are based on the SUFIX devices being used in conjunction with SUFIX high tensile wire rope.
- SUFIX cannot guarantee the safe working load of a product when used with non SUFIX wire rope and cannot support projects where non SUFIX wire rope has been used.

FEATURES

- 18th Edition Amendment 2 : 2022
- Key-free release mechanism on each device for easy adjustment.
- Single die-cast locking devices (zinc alloy).
- High tensile wire rope with 7×7 and 7×19 construction.
- Ideal for both short drop lengths in small void spaces and for very long wire rope supports.
- Only wire rope cutters are required.
- Wire rope supplied on reels in dispensing box – avoids birds nesting.
- Can be used as a wrap-around solution for applications such as I-beams or purlins.
- Can be used in conjunction with a number of different brackets or fixings, including eyebolt adapters, concrete eyebolts, rib-deck fixings, purlin clips.



SUITABLE FOR

- Electrical and mechanical containment
- HVAC installations
- Signage and displays
- Bracing
- Catenaries

APPLICATIONS ... INCLUDE BUT NOT LIMITED TO

- Trunking and busbar supports
- Trapeze brackets
- Pre-fabricated module supports
- Secondary light supports

HOW IT WORKS

Standard Devices

- Pass the wire rope through the Zip-Clip device in the direction of the arrow.
- Loop the wire rope through or around the anchor point.
- Pass the wire rope back through the Zip-Clip allowing 15 cm of wire rope protruding.
- Apply tension.
- Always confirm engagement of the zip clip device on the wire rope by pushing the adjustment pin in the opposite direction of the arrows indicated on the side of the Zip-Clip device.

ADJUSTMENT

Please note: Before any adjustments can be made, it is necessary to take the weight off the SUFIX device. It will not be possible to make any adjustment if this is not done.

To shorten the suspension:

1. Push the SUFIX device further up the live (load) wire rope – This will make the loop bigger.
2. Pull on the dead wire rope (exit tail) to make the loop smaller – This will shorten the suspension.
3. Trim the dead wire rope tail to minimum 15 cm or coil the wire rope neatly to allow for future adjustment.

To lengthen the suspension:

1. Select the channel that holds the dead wire rope.
2. Make sure there is enough spare dead wire rope to allow for adjustment and maintain an exit tail.
3. Push the adjustment pin in the direction of the arrow. This will release the dead wire rope (exit tail).
4. Allow the dead wire rope to feed back through the SUFIX. This will make the loop bigger.
5. Now select the channel that holds the live wire rope (load).
6. Push the adjustment pin in the direction of the arrow. This will release the live wire rope.
7. Allow the SUFIX to travel down the live wire rope. This will make the loop smaller.

MATERIALS

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

Wire Rope: The standard range of SUFIX suspensions utilise galvanised mild steel wire rope which is electro-galvanised and 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. SUFIX provide 316 marine grade stainless steel wire rope.

For installations that are within corrosive areas, consult with SUFIX Technical Department.

MANUFACTURERS RECOMMENDATIONS

The SUFIX 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 SUFIX wire rope should be used.

- Do not exceed the safe working load (SWL) of the product.
- Do not use locking devices with a coated wire rope.
- 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 the locking devices.
- Do not shock load.
- Do not use for dynamic loads/installations.
- Do not overload.
- Do not mix SUFIX systems with other wire rope suspension manufacturers products.
- Do not use in corrosive environments, e.g. chlorinated environments – For specialist applications, such as corrosive environments, please contact SUFIX Technical Department.

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. SUFIX cannot guarantee its systems against the effects of ball strikes.



For further information on SUFIX

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