



CON-LOCK SYSTEM



THE CON-LOCK SYSTEM is a wire suspension solution that can suspend applications from a concrete ceiling.

The system consists of an M6 hammer fixing that can be installed into a number of different base materials to provide a strong secure anchor point over head, and a pre-determined length of wire rope supplied complete with an appropriate Zip-Clip locking device.

APPLICATIONS

SUITABLE AREAS OF USE INCLUDE, BUT ARE NOT LIMITED TO:

- Electrical containment
- HVAC and mechanical services
- Lighting and audio
- Signage and display, screens and partitions
- Acoustic ceilings, islands or baffles
- Radiant heat panels

SYSTEM	SUPPLIED LOCKING DEVICE	SWL (KG)
CLG	KL50	15
CLS	KL100	50
CLY	KL150	70

Note: G-system not recommended for HVAC.



FEATURES

- ETA approved fixing, BS8539 compliant.
- 18th Edition Amendment 2:2022 compliant.
- Nail anchor for hammer set installation.
- Shallow embedment, avoiding re-bar.
- No claw back required as the installed nail anchor expands automatically under load.
- Key-free release suspension for height adjustability.
- High tensile galvanised steel wire rope.
- Available as a double wire rope drop.

AVAILABILITY

Zip-Clip offer three different Con-Lock systems each allocated a letter to differentiate between the available safe working loads (SWL).

Each system comprises a predetermined length of a specific diameter wire rope and is supplied with the required Zip-Clip locking device.

Con-Lock is available in drop lengths of 1 m to 10 m. Loads indicated are per individual wire rope support when coupled with the appropriate Zip-Clip locking device.

AREAS FOR USE

The standard Con-Lock range is designed for indoor applications. Regular galvanised systems should not be used in areas that have levels of corrosion or elevated levels of heat or moisture.

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

IMPORTANT NOTE:

Overall SWL of the Con-Lock system is governed by the strength of the base material as well as the quality of the fixing into that base material. The Con-Lock system must be de-rated appropriately if either of these factors are applicable.

SUITABLE BASE MATERIALS:

- Cracked concrete.
- Non-cracked concrete – C12/15 to C50/60.
- Concrete with re-enforcement bar.
- Solid sand lime brick.
- Pre-stressed hollow core concrete slab.

PROOF LOAD TESTING: Zip-Clip recommend that Proof Load Testing should be carried out prior to installation in order to confirm system suitability. For assistance with testing (UK) contact our Technical Department.

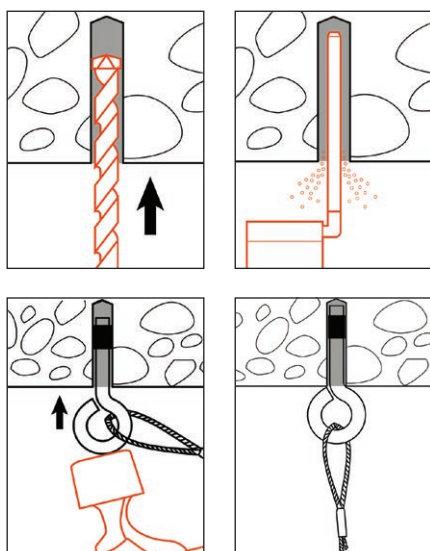


INSTALLATION

- The first step of the process is to install the concrete fixing.
- The second step is to connect wire support to the application using the Zip-Clip locking device.

STEP 1:

1. Drill 6 mm hole into base material, to a minimum depth of 35 mm.
2. Clean dust and debris from the drill hole appropriately.
3. Locate fixing into drill hole and hammer until set – Anchor is now fixed, no claw back required.



CODE	DESCRIPTION	SWL	PACK QTY
CLG1	1 m concrete suspension system	15 kg	10
CLG2	2 m concrete suspension system	15 kg	10
CLG3	3 m concrete suspension system	15 kg	10
CLG4	4 m concrete suspension system	15 kg	10
CLG5	5 m concrete suspension system	15 kg	10
CLG10	10 m concrete suspension system	15 kg	10
CLS1	1 m concrete suspension system	50 kg	10
CLS2	2 m concrete suspension system	50 kg	10
CLS3	3 m concrete suspension system	50 kg	10
CLS4	4 m concrete suspension system	50 kg	10
CLS5	5 m concrete suspension system	50 kg	10
CLS10	10 m concrete suspension system	50 kg	10
CLY1	1 m concrete suspension system	70 kg	10
CLY2	2 m concrete suspension system	70 kg	10
CLY3	3 m concrete suspension system	70 kg	10
CLY4	4 m concrete suspension system	70 kg	10
CLY5	5 m concrete suspension system	70 kg	5
CLY10	10 m concrete suspension system	70 kg	5



STEP 2:

1. Pass the wire rope through the Zip-Clip device in the direction of the arrow.
2. Pass wire rope through or around your required fixture/application and back through the Zip-Clip leaving 15 cm of wire protruding.
3. Confirm engagement of the Zip-Clip on the wire by pushing the pin in the **opposite** direction to the arrows indicated.

See Pages 5-7 and 30-31 for further information on the Zip-Clip locking device.

