

SHOT-LOCK SYSTEM



THE SHOT-LOCK SYSTEM is designed to fix a wire suspension to a base material using Powder Actuated Tools (PAT).

The system comprises a predetermined length of a specific diameter wire rope with a shot-fire bracket termination (nail included) and is supplied with the required Zip-Clip locking device.

APPLICATIONS

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

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

SYSTEM	SUPPLIED LOCKING DEVICE	SWL (KG)	
SLPG	KL50	15	
SLPS	KL100	25	
Note: G-system not recommended for HVAC.			



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

FEATURES

- 18th Edition Amendment 2:2022 compliant.
- Key-free release wire suspension for height adjustment – No tools required.
- High tensile galvanised steel wire rope.
- Multiple fixing options.
- Suspension can be inverted.

AVAILABILITY

Shot-Lock should be used for lightweight applications only.

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

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

AREAS FOR USE

The standard Shot-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.

SUITABLE SHOT-FIRE TOOLS

Manufacturer:	Models:	
SPIT	P200, P370	
HILTI	DX460, 351	
POWERS	PA3500, PA351	
SYMPAFIX	PX60M	

IMPORTANT NOTE:	Overall SWL of the Shot-Lock system is governed by the strength of the base material as well as the quality of the fixing into the base material. The Shot-Lock system must be de-rated appropriately if either of these factors are applicable
SUITABLE BASE MATERIALS:	Concrete slab, Solid brick, Solid block, Grout-filled block, Concrete over steel rib-deck, Steel beams (19 mm nail required).
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.



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INSTALLATION

- The first step of the installation process is to fasten the shot-fire bracket to the base material.
- The second step of the process is to install the Zip-Clip locking device and connect to the intended application.

STEP 1:

Attaching the shot-fire bracket to the base material:

Tools required: PAT cartridge nailing tool.

Before installation Zip-Clip recommend referring to Construction Fixings Association guidance notes on the use of powder actuated fixing systems.

Always perform test fixes prior to commencing installations to ensure fixing is suitable for base material.

- 1. Ensure substrate is suitable for nail and cartridge.
- 2. Locate nail into barrel of the Powder Actuated Tool.
- **3.** Follow the gun manufacturers' firing guidelines and CFA guidance notes.
- 4. Confirm quality of fix before loading.

Note: It is important to carefully follow PAT tool manufacturers guidelines with regard to installing PAT fixings safely and correctly.

CODE	DESCRIPTION	SWL	PACK QTY
SLPG1	1 m shot fire suspension system	15 kg	10
SLPG2	2 m shot fire suspension system	15 kg	10
SLPG3	3 m shot fire suspension system	15 kg	10
SLPG4	4 m shot fire suspension system	15 kg	10
SLPG5	5 m shot fire suspension system	15 kg	10
SLPG10	10 m shot fire suspension system	15 kg	10
SLPS1	1 m shot fire suspension system	25 kg	10
SLPS2	2 m shot fire suspension system	25 kg	10
SLPS3	3 m shot fire suspension system		10
SLPS4	4 m shot fire suspension system		10
SLPS5	5 m shot fire suspension system	25 kg	10
SLPS10	10 m shot fire suspension system		10

THE SHOT-FIRE BRACKET

The shot-fire bracket is designed for permanently fastening a wire suspension to concrete. The brackets are supplied with pre-mounted pins with a specially designed point to allow proper penetration into typical base materials.

A plastic retention disc is mounted to the shank to retain the drive pin in the fastener guide of the tool providing guidance during the driving operation.

DIMENSIONS:

Nail	Head Ø (mm)		Shank Ø (mm)	Length (mm)
34×8	7.8		3.7	33.5
Bracket	Size (mm)		B A	
А	20.2	1		
В	26	с		
С	25.5			
D	7.5			
E	1.5		E	A



STEP 2:

Installing the Zip-Clip locking device:

Once the 90° bracket has been installed, a Zip-Clip locking device can be used to attach the wire to the service.

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

