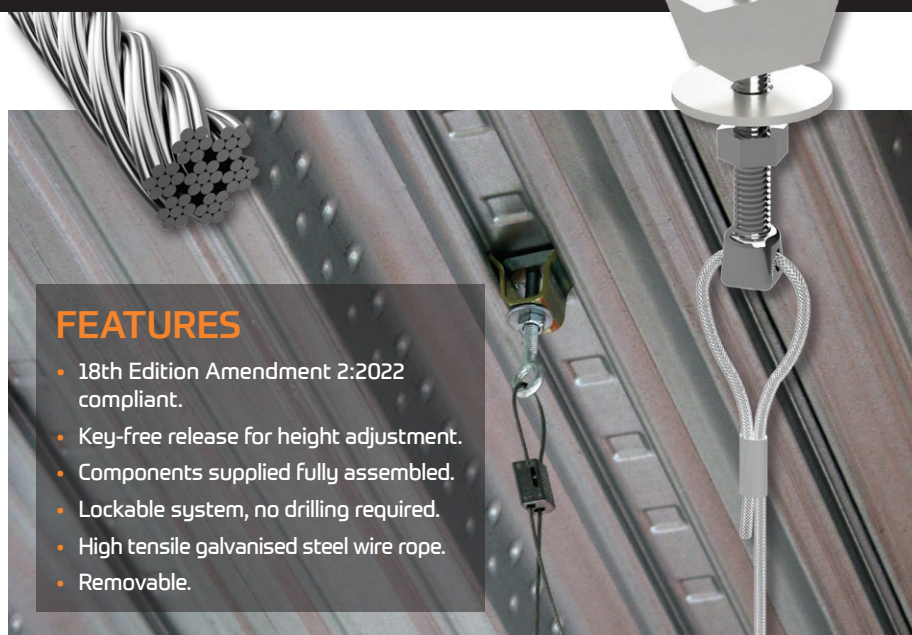




DEC-LOCK SYSTEM



FEATURES

- 18th Edition Amendment 2:2022 compliant.
- Key-free release for height adjustment.
- Components supplied fully assembled.
- Lockable system, no drilling required.
- High tensile galvanised steel wire rope.
- Removable.

THE DEC-LOCK SYSTEM is a wire suspension solution that will suspend applications from a concrete over rib-deck ceiling. They offer a non-destructive way of anchoring a wire suspension to the base material and utilise specific wedges that are designed to fit into the profile channels that are found running along the underside of the rib-deck.

Each Dec-Lock support consists of a deck wedge coupled with an eye bolt adapter, nut and washer along with a pre-determined length of wire rope supplied complete with an appropriate Zip-Clip locking device.

DECK WEDGE OPTIONS

V-NUTS

Dec-Lock fixings are supplied with V-Nut deck wedges. These are tapered components. V-Nut wedges are available in two sizes Standard and Mini Mini for smaller deck profiles. Please refer to table below for clarification.

To confirm: A standard Dec-Lock is supplied with a Standard V-Nut. Smaller Mini Mini wedges must be requested.

MULTI-WEDGE

The Zip-Clip Multi-Wedge is a flexible decking fixing that can be used into different decking profiles. It is a one-piece unit with an interchangeable grub screw that can be repositioned and tightened against the roof of the decking channel. The width of the fixing can therefore be changed to fit different channels.

Note: The Multi-Wedge is a made-to-order item, product code MA6810.

AVAILABILITY

There are many different types of rib-deck available, therefore it is necessary to ensure the correct wedge has been selected for the rib-deck in question.

Zip-Clip offer two different Dec-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.

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

SYSTEM	SUPPLIED LOCKING DEVICE	SWL (KG)
DLG	KL50	15
DLS	KL100	50

Note: G-system not recommended for HVAC.

Dec-Lock can also be produced using Y-wire rope – Please consult with Zip-Clip.

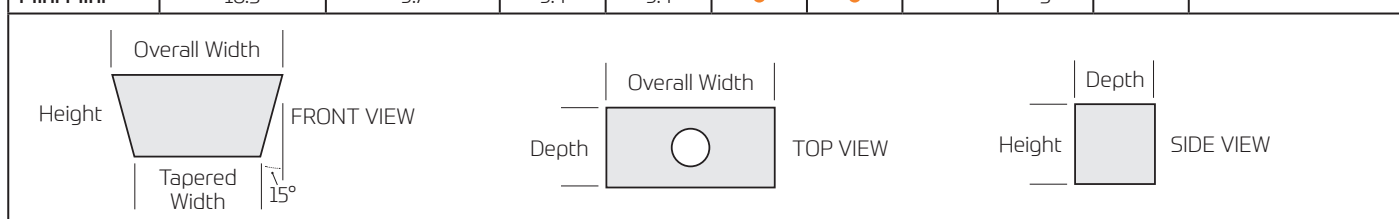
LINDAPTER WEDGES

Dec-Lock suspensions can also be supplied incorporating Lindapter deck wedges.

See table opposite for confirmation of wedge types available.

Note: Dec-Locks provided with Lindapter wedges incorporate forged eye bolt adapters, the complete Lindapter wedge anchor, washer and locking nut.

V-NUT WEDGE	Overall Width (mm)	Tapered Width (mm)	Depth (mm)	Height (mm)	Available Hole Sizes (mm)			Recommended Tightening Torque (Nm)		
					M6	M8	M10	M6	M8	M10
Standard	25	19	12	12	●	●	●	5	7	10
Mini Mini	18.5	9.7	9.4	9.4	●	●	–	5	–	–





DEC-LOCK SYSTEM

INSTALLATION

V-NUT



1. Push the V-Nut into channel of decking profile and turn through 90 degrees.
2. Screw the eye bolt to the top of the decking profile.
3. Tighten locking nut with the appropriate spanner.

MULTI-WEDGE

1. Select position 1 or 2 for grub screw (See below).
2. Insert Multi-Wedge into deck channel.
3. Ensure grub screw is not protruding from fixing.
4. Tighten grub screw to 8 Nm torque using 4.0 mm Allen bit.
5. Ensure wire support is not trapped between the fixing and the rib deck.

LINDAPTER

1. Lindapter wedges have specific installation instructions – Manufacturers instructions should always be followed.
2. For installation instructions please contact Zip-Clip with specifying your chosen Lindapter wedge.
3. Always tighten the locking nut with the appropriate spanner to lock the wedge into the decking channel.

MULTI-WEDGE	Decking Manufacturer	Decking Type	Multi-Wedge Grub Screw Position	Tensile SWL (kN) 3:1 Safety Factor	4 mm Hexagon Screw Required
 Grub Screw Position 1  Grub Screw Position 2	Kingspan	Multideck 60	1	1	8
		Multideck 80	1	1	8
	Richard Lees	Ribdeck 80	1	1	8
		Ribdeck AL	1	1	8
		Ribdeck E60	1	1	8
	SMD	TR60	2	1	8
		TR80	2	1	8

V-Nut Wedge	Compatible Zip-Clip Eye Bolts					
	Round Head			Square Head		
	M6	M8	M10	M6	M8	M10
Standard	●	●	●	●	●	–
Mini Mini	●	●	–	●	–	–
Note: Wire is factory swaged to eye bolt adapter. Adapter is then coupled with V-Nut.						

THE ZIP-CLIP LOCKING DEVICE:

1. Pass the wire rope through the 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.



CODE	DESCRIPTION	SWL	PACK QTY
DLG1	1 m decking suspension system	15 kg	10
DLG2	2 m decking suspension system	15 kg	10
DLG3	3 m decking suspension system	15 kg	10
DLG4	4 m decking suspension system	15 kg	10
DLG5	5 m decking suspension system	15 kg	10
DLG10	10 m decking suspension system	15 kg	10
DLS1	1 m decking suspension system	50 kg	10
DLS2	2 m decking suspension system	50 kg	10
DLS3	3 m decking suspension system	50 kg	10
DLS4	4 m decking suspension system	50 kg	10
DLS5	5 m decking suspension system	50 kg	10
DLS10	10 m decking suspension system	50 kg	10

LINDAPTER FIXINGS ALSO AVAILABLE – SWL applicable to fixing ends only, Safety Factor 3:1

CODE	DESCRIPTION	SWL	PACK QTY
MAAW/M6	AW Alphawedge M6	100 kg	10
MAAW/M8	AW Alphawedge M8	100 kg	10
MAMF60/M6	MF60 /decking fixing (met nut & bracket) M6	100 kg	10
MAMF80/M8	MF60 /decking fixing (met nut & bracket) M8	100 kg	10
MAMW2/M6	MW2 Multiwedge M6	100 kg	10
MAMW2/M8	MW2 Multiwedge M8	100 kg	10
MATR60/M6	TR60 wedge c/w locking plate – M6	100 kg	10
MATR60/M8	TR60 wedge c/w locking plate – M8	100 kg	10