



STRUT-LOCK SYSTEM



THE M8 AND M10 STRUT-LOCK SYSTEMS are used to support HVAC and M&E services from the S-RANGE and Y-RANGE of Zip-Clip wire supports respectively. The devices are typically installed into profile channel which can then be hung from a wire suspension.

APPLICATIONS

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

- Electrical containment
- HVAC and mechanical services
- Single-tier trapeze brackets
- Multi-tier trapeze brackets
- Attachment to existing bracketry



SYSTEM	WIRE	SUPPLIED STRUT-LOCK DEVICE	SWL (KG)
TPDM820	S	M8	45
TPDM1020	Y	M10	90*

*70 kg for concrete suspension system.

Note: Only for static loads that are supported vertically. Always ensure the base material or anchor point are suitable to support the intended load.

FEATURES

- 18th Edition Amendment 2:2022 compliant.
- Versatile – Use with channel nuts or nuts and washers (metric only).
- Compatible with 41×41 and 41×21 profile channels plus other channel types when compatible channel nuts are used (metric only)
- Quick to install and adjust.
- Secure lock-off.
- High tensile galvanised steel wire rope.
- Manufactured from mild steel.
- Bright zinc plate finish.

AVAILABILITY

Zip-Clip offer two different Strut-Lock systems, the M8 version with a safe working load (SWL) of 45 kg and the M10 with a SWL of 90 kg per wire suspension.

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

Strut-Lock systems are available in drop lengths of 1 m to 10 m. Loads indicated are per individual wire support.

AREAS FOR USE

The Strut-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.

FIXING OPTIONS

The M8 and M10 Strut-Lock systems are available with the following fixing terminations:

LOOP END:

To form a choke knot for wrap-around anchor points such as purlins or I-beams. Ensure anchor points are suitable. Product code suffix: TPDM820LPS or TPDM1020LPY.

M6 CONCRETE HAMMER FIXING:

BS8539 approved with ETA, offering shallow embedment into cracked and non-cracked concrete. Ensure base material is suitable. Contact Zip-Clip for installation details. Product code suffix: TPDM820CS or TPDM1020CY.

M8 × 60 Eye bolt:

To couple with female threaded components (metric only). Ensure components are compatible to complete the installation. Product code suffix: TPDM820THS or TPDM1020THY.

Other fixing options are available on request.



INSTALLATION

Locating a Strut-Lock device into channel – building a single-tier trapeze bracket:

1. Couple with square washer and channel nut.
2. Position assembly into desired channel location.
3. Tighten into position using an appropriate spanner, turning clockwise.
4. Back-off the locking collar. Do not undo fully. Depress plunger.
5. Insert wire rope through the plunger at the top of the device.
6. Adjust the position by depressing the plunger and moving along on the wire.
7. Once the trapeze bracket is in position, release the plunger and wind the locking collar up to the shoulder.
8. Lock the trapeze position by turning the locking collar clockwise.

Repeat steps 1 - 8 to build a multi-tier bracket.

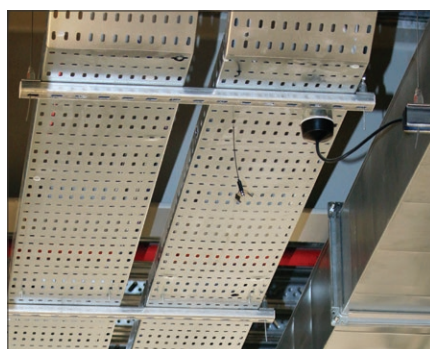
Torque setting: It is recommended that the Strut-Lock device is not over-tightened during installation. If it is possible to apply a torque value during installation, this should be no more than 15 Nm.

TO UNDO:

1. Undo locking collar.
2. Depress plunger.
3. Reposition device to required height.
4. Re-lock collar.

PLEASE NOTE:

Load should always be supported before actuating the plunger and performing adjustment.



CODE	DESCRIPTION	SWL	PACK QTY
TPDM820	M8 trapeze dome, 45 kg SWL	45 kg	10
TPDM1020	M10 trapeze dome, 90 kg SWL	90 kg	10
NM8Z	M8 channel nut		10
WM8S	M8 square plate		10
NM10Z	M10 channel nut		10
WM10S	M10 square plate		10
TPDM820LPS1	1 m standard loop suspension system	45 kg	10
TPDM820LPS2	2 m standard loop suspension system	45 kg	10
TPDM820LPS3	3 m standard loop suspension system	45 kg	10
TPDM820LPS4	4 m standard loop suspension system	45 kg	10
TPDM820LPS5	5 m standard loop suspension system	45 kg	10
TPDM820LPS10	10 m standard loop suspension system	45 kg	10
TPDM1020LPY1	1 m standard loop suspension system	90 kg	10
TPDM1020LPY2	2 m standard loop suspension system	90 kg	10
TPDM1020LPY3	3 m standard loop suspension system	90 kg	10
TPDM1020LPY4	4 m standard loop suspension system	90 kg	10
TPDM1020LPY5	5 m standard loop suspension system	90 kg	5
TPDM1020LPY10	10 m standard loop suspension system	90 kg	5
TPDM820CS1	1 m concrete suspension system	45 kg	10
TPDM820CS2	2 m concrete suspension system	45 kg	10
TPDM820CS3	3 m concrete suspension system	45 kg	10
TPDM820CS4	4 m concrete suspension system	45 kg	10
TPDM820CS5	5 m concrete suspension system	45 kg	10
TPDM820CS10	10 m concrete suspension system	45 kg	10
TPDM1020CY1	1 m concrete suspension system	70 kg	10
TPDM1020CY2	2 m concrete suspension system	70 kg	10
TPDM1020CY3	3 m concrete suspension system	70 kg	10
TPDM1020CY4	4 m concrete suspension system	70 kg	10
TPDM1020CY5	5 m concrete suspension system	70 kg	5
TPDM1020CY10	10 m concrete suspension system	70 kg	5
TPDM820THS1	1 m threaded suspension system	45 kg	10
TPDM820THS2	2 m threaded suspension system	45 kg	10
TPDM820THS3	3 m threaded suspension system	45 kg	10
TPDM820THS4	4 m threaded suspension system	45 kg	10
TPDM820THS5	5 m threaded suspension system	45 kg	10
TPDM820THS10	10 m threaded suspension system	45 kg	10
TPDM1020THY1	1 m threaded suspension system	90 kg	10
TPDM1020THY2	2 m threaded suspension system	90 kg	10
TPDM1020THY3	3 m threaded suspension system	90 kg	10
TPDM1020THY4	4 m threaded suspension system	90 kg	10
TPDM1020THY5	5 m threaded suspension system	90 kg	5
TPDM1020THY10	10 m threaded suspension system	90 kg	5

CASSETTE / PLENUM KIT

Supplied as a kit of 4
Compatible with Zip-Clip 5-range wire rope suspensions.

Each kit contains:

KIT CODE: TPDM820/A/KIT

- 1 × Strut-Lock M8
- 1 × M8 square-plate washer
- 1 × M8 channel nut

KIT CODE: PREF

- 1 × Strut-Lock M8
- 2 × M8 washers
- 1 × M8 nut



For fixing options see Page 95