SUSPENSION, BRACING AND VIBRATION ISOLATION SOLUTIONS FOR BUILDING SERVICES



Y-IT SYSTEM



THE Y-IT SYSTEM is designed to turn one suspension point in the ceiling into two connection points at service level. The system incorporates an inverted Y-Shape design with equal leg lengths to ensure services are level once installed.

APPLICATIONS

- Directly wrap around an existing structure using an appropriate Zip-Clip locking device.
- Couple with a fixing of choice to anchor to the ceiling material.

Use carabiners to clip straight onto:

- Cable baskets.
- Cable trays.
- Pipe work brackets.
- Chilled beams.
- Radiant heat panels.
- Fan coil units.
- Retrofitted eye bolts.
- Acoustic boards.

Use toggles to fix through:

- Light fittings.
- Cable traus.
- Plenum boxes.
- Radiant heat panels.
- Chilled beams.
- Speaker systems.

AVAILABILITY

Zip-Clip have three different Y-It systems each allocated a letter to differentiate between the available safe working loads (SWL).

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

Y-lt 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.

Y-lt carabiner systems are available as standard for spans of up to 460 mm, toggle systems up to 600 mm.

Y-lt systems with larger spans can be manufactured on request.

FEATURES

- 18th Edition Amendment 2:2022 compliant.
- Choice of snap gate carabiners with integral eye or toggles for connection to the service.
- Equal leg lengths ensuring suspended services are supported level.
- Allows for side loading of cable trays.
- Removable (carabiners).
- Reduces the amount of total supports required.
- Negates the use of a profile channel bearer.
- High tensile galvanised steel wire rope.

AREAS FOR USE

The Y-It system 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.

BEST PRACTICE

- For static loads only.
- Ensure carabiners/toggles are compatible with the available fixing points.
- Ensure carabiners/toggles are located correctly and not over loaded.
- Ensure carabiner snap gates are fully closed when fitted to services.
- Angle of the span should not exceed 60 degrees.
- If angle exceeds 60 degrees, use Y-lt with a larger span.

Service connection fixing	Carabiner*	Тодде	
Lengths	1 m - 10 m	1 m - 10 m	
Span widths	300mm, 460mm	300mm, 460mm, 600mm	
Safe working loads	S - 50 kg Y - 90 kg	G - 15 kg S - 35 kg Y - 90 kg	
Product suffix	YTR	YLM	
*G-system available on request, please contact Zip-Clip. Note: G-system is not recommended for HVAC installations.			



Y-IT SYSTEM

INSTALLATION

Attaching Carabiners to Cable Basket:

- Open gate of carabiner and hook around upright wire of cable basket.
- 2. Repeat on opposite side of basket.
- 3. Ensure angle of the inverted Y-shape is 60 degrees or less.

Note: Fix carabiners directly opposite from each other to ensure fixture hangs level and always ensure snap gate has closed fully.

Attaching Toggles to Through Holes:

Note: Toggles should be placed into through holes no larger than 12 mm diameter. Always ensure toggles are compatible with the through hole.

- Invert the toggle so it is parallel with the wire.
- Place the end-stop into the selected through-hole and then push the toggle into the hole – Toggle will naturally rotate 90 degrees to the wire to span the hole. Ensure toggles are located correctly and not overloaded.
- 3. Repeat on opposite side of light fitting, cable tray, etc.
- Ensure angle of the inverted Y-shape is 60 degrees or less. If angle exceeds 60 degrees use a Y-lt with a larger span.

Attaching to Anchor Point Using Zip-Clip Locking Device:

- 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.

CODE	DESCRIPTION	SWL	PACK QTY
YTR15/300	1 m × 300 mm eyelet carabiner suspension system	50 kg	10
YTR25/300	2 m × 300 mm eyelet carabiner suspension system	50 kg	10
YTR35/300	3 m × 300 mm eyelet carabiner suspension system	50 kg	10
YTR15/460	1 m × 460 mm eyelet carabiner suspension system	50 kg	10
YTR25/460	2 m × 460 mm eyelet carabiner suspension system	50 kg	10
YTR35/460	3 m × 460 mm eyelet carabiner suspension system	50 kg	10
YTR1Y/300	1 m × 300 mm eyelet carabiner suspension system	90 kg	10
YTR2Y/300	2 m × 300 mm eyelet carabiner suspension system	90 kg	10
YTR3Y/300	3 m × 300 mm eyelet carabiner suspension system	90 kg	10
YTR1Y/460	1 m × 460 mm eyelet carabiner suspension system	90 kg	10
YTR2Y/460	2 m × 460 mm eyelet carabiner suspension system	90 kg	10
YTR3Y/460	3 m × 460 mm eyelet carabiner suspension system	90 kg	10
YLM1G/300	1 m × 300 mm toggle suspension system	15 kg	10
YLM2G/300	2 m × 300 mm toggle suspension system	15 kg	10
YLM3G/300	3 m × 300 mm toggle suspension system	15 kg	10
YLM1G/600	1 m × 600 mm toggle suspension system	15 kg	10
YLM2G/600	2 m × 600 mm toggle suspension system	15 kg	10
YLM3G/600	3 m × 600 mm toggle suspension system	15 kg	10
YLM15/300	1 m × 300 mm toggle suspension system	35 kg	10
YLM25/300	2 m × 300 mm toggle suspension system	35 kg	10
YLM35/300	3 m × 300 mm toggle suspension system	35 kg	10
YLM15/460	1 m × 460 mm toggle suspension system	35 kg	10
YLM25/460	2 m × 460 mm toggle suspension system	35 kg	10
YLM35/460	3 m × 460 mm toggle suspension system	35 kg	10
YLM1Y/300	1 m × 300 mm toggle suspension system	90 kg	10
YLM2Y/300	2 m × 300 mm toggle suspension system	90 kg	10
YLM3Y/300	3 m × 300 mm toggle suspension system	90 kg	10
YLM1Y/460	1 m × 460 mm toggle suspension system	90 kg	10
YLM2Y/460	2 m × 460 mm toggle suspension system	90 kg	10
YLM3Y/460	3 m × 460 mm toggle suspension system	90 kg	10

