



# Product Guide

A complete guide to building services  
and seismic bracing products





# Hanging with Gripple

- Heating Ventilation
- Plenum Boxes
- Chilled Beams Oval
- Spiral & Rectangular Ductwork
- Cold Rooms
- Air Conditioning Units
- Mechanical
- Strip Lighting Luminaire
- Trunking
- Cable Ladder Basket & Tray
- Busbar
- Catenaries
- Pipework
- Shopfitting
- Signage
- Acoustic Baffles
- Suspended Ceilings
- Bracing

... plus many more applications

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# About Polyplas International

Polyplas International is the exclusive licensee of Gripple wire suspension and seismic bracing systems throughout Australia and New Zealand.

Since 2005 Polyplas International has established an impressive installation base of Gripple systems in both Australia and New Zealand by offering highly reliable, adaptable solutions throughout the construction industry. Gripple products provide cost effective, labour saving wire suspension systems for installations across mechanical, electrical, HVAC, and seismic applications.

Product quality is always our main priority. Whether that is achieved through comprehensive production control, destructive testing, or providing the most reliable seismic consultancy available. Local assembly of kits in Rowville, Victoria, means the most complete range of wire suspension and bracing systems with the shortest lead time throughout Australia and New Zealand, ensuring you have what you need on site, when you need it.



## About Polyplas International

Gripple products have been assessed and tested by the CSIRO providing independent technical advice that the product is suitable for installation of mechanical and electrical services.

**Electrical Applications** Gripple products conform with the requirements for Electrical Installations AS/NZS 3000. Key applications include support of cable tray / basket, lighting and catenary.

**HVAC / Mechanical** Wire rope suspension systems are an approved method for suspension of ductwork in accordance with AS 4254.2. Gripple has also been widely used for suspension of chilled beams, fan coil units and other mechanical equipment.

**Fire Rated Systems** Polyplas International have conducted and passed testing to meet the requirements of AS/NZS 3013: Appendix C as appropriate for supports and fixings for cable tray and catenary support applications.

**Seismic Bracing** Polyplas International design, manufacture and certify seismic bracing solutions for non-structural components in accordance with AS 1170.4, NZS 4219:2009, NZS 1170.5. This includes bracing for cable tray, ductwork, pipework and associated equipment and plant.

# What we do

## Time Savings

Save up to 85% on installation times when you choose to use one of Gripple's wire rope kits, when compared to traditional methods. Not only is the installation faster, no pre-work, such as cutting or filing is required. Safe pre-installation of complete floors is possible regardless of the availability of service components.

## Health & Safety

Gripple wire rope kits are ready-to-use straight from the box, removing the need for potentially hazardous hot works and cutting on site. One box of Standard No.2 kits weighs just 8 kg, doing the same job as 150 kg of threaded rod and channel. Not only is the weight and bulk of carry material reduced, but also the time spent working at height.

Additionally, the issue of aerial hazards such as exposed threaded rod, is removed.

## Environmental

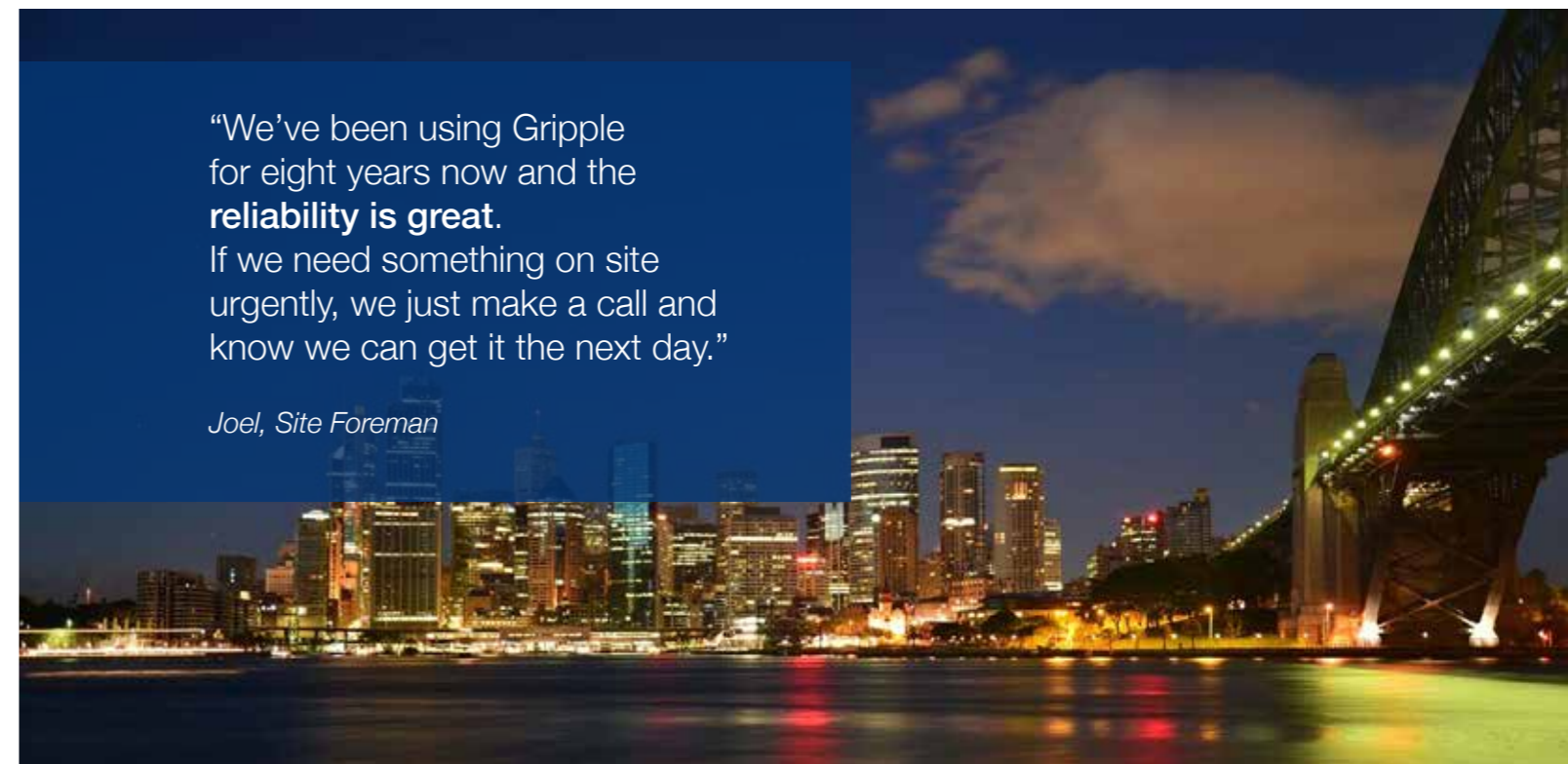
For every metre of Gripple wire rope specified to replace threaded rod, it is estimated that a saving of 1.2 kg of embodied CO2 is made. This equates to a total embodied CO2 saving of up to 95% when switching from threaded rod to Gripple wire rope.

## Aesthetics

Gripple wire rope kits are lightweight and virtually invisible. Comparing 2 mm wire rope to 10 mm threaded rod, the difference is easy to see. With a trend towards exposed services, Gripple wire rope kits enhance the workspace significantly – especially in retail environments. We also offer a range of black wire rope kits ideal for cinemas, theatres and other areas where the ceiling is painted black (See page 26).

"We've been using Gripple for eight years now and the **reliability is great**. If we need something on site urgently, we just make a call and know we can get it the next day."

*Joel, Site Foreman*





# Applications

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# Pipework

QT Compact Clamp &  
Low Profile Bracket  
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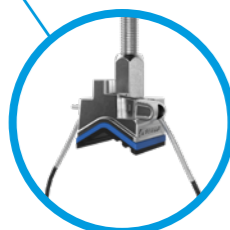
Fast Trak - Side Loading  
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Fast Trak - Standard  
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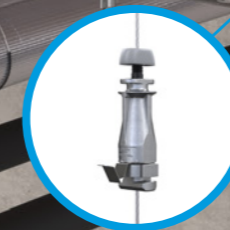
Universal Clamp  
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QT Universal Clamp  
& Universal Bracket  
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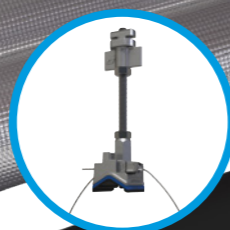
UniGrip - QT  
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UniGrip - Central Exit  
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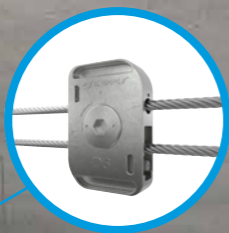
Height Adjustable  
Universal Clamp  
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The **Gripple**® range of supports and hangers has been developed to provide a fast and versatile solution for suspending all types of pipework.

**Gripple products** are designed to save time, labour and reduce costs by making the installation quicker and easier. Supplied in ready-to-use kits, the products in this range require no on-site cutting and eliminate the need for fabricating pipe bracket assemblies, offering enormous health and safety benefits for your project.

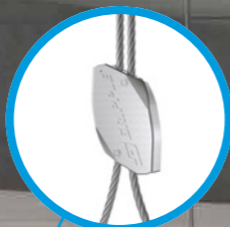
# HVAC



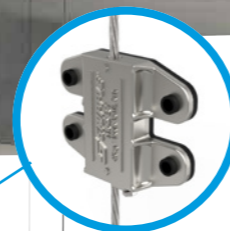
Lockable Plus  
Page 52



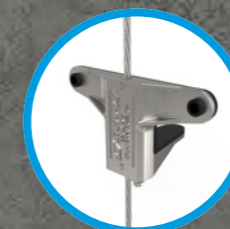
C-Clip  
Page 80



Standard Hanger  
Page 36



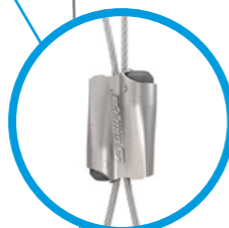
Butterfly Trapeze  
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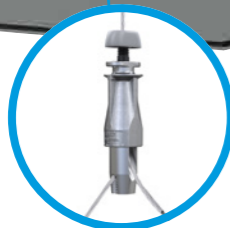
Duct Trapeze  
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Fast Trak  
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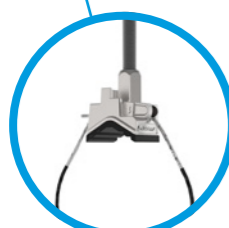
Express  
Page 37



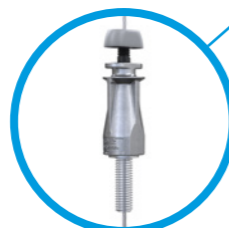
UniGrip - Y-Fit  
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UniGrip - Standard  
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Universal Clamp  
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UniGrip - Central Exit  
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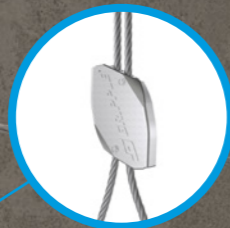


UniGrip - Calibra  
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The **Gripple**® range of hangers for HVAC applications has been developed to provide a fast and versatile solution for suspending ductwork, heaters, air conditioning, radiant panels and plenum boxes.

Our products are manufactured in the UK, and are designed to save you time, and labour costs, thus improving the efficiency of your installation. Unlike traditional methods, Gripple kits do not require cutting, filing or 'hot works' permits. Gripple suspension solutions offer aesthetic design without compromising on strength; supplied in ready-for-use kits with a choice of wire rope lengths and End Fixings.

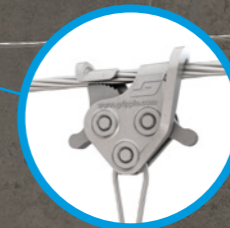
# Electrical



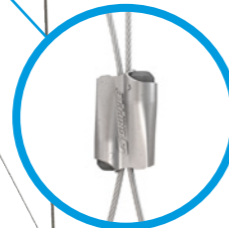
Standard Hanger  
Page 36



Lockable plus  
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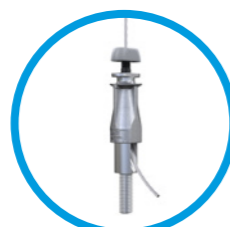
C-Clip  
Page 80



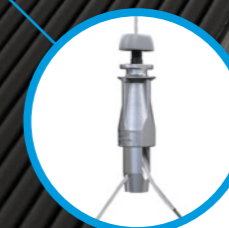
Express  
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Universal Bracket  
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UniGrip - Side Exit  
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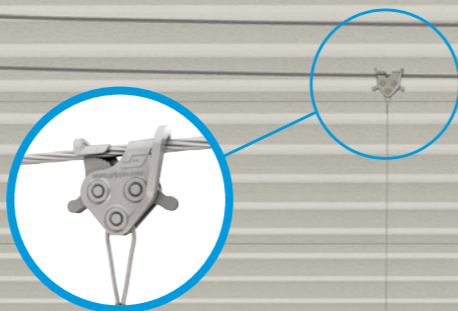
UniGrip - Y-Fit  
Page 44

The Gripple® range of supports and hangers for electrical applications has been developed to provide a fast and versatile solution for suspending all types of electrical containment.

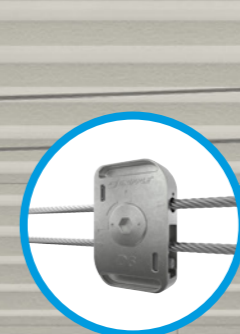
Gripple products are designed to save time, labour and reduce costs by making the installation quicker and easier. Supplied in ready-to-use kits, the products in this range are lightweight, require no on-site cutting and reduce the time spent at height, offering enormous health and safety benefits for your project.

# Lighting

C-Clip  
Page 80



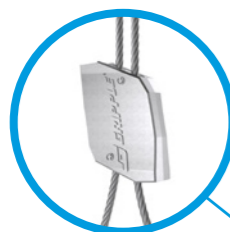
Lockable Plus  
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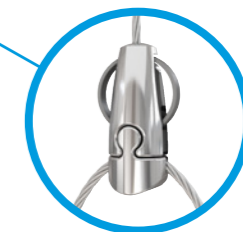
Express  
Page 37



Standard Hanger  
Page 36



Angel  
Page 38



The **Gripple**® range of suspension solutions for lighting are manufactured in the United Kingdom, and have been designed to save you time, money and labour by improving the efficiency of the installation process. Unlike traditional methods, Gripple kits require no on-site cutting, filing or hot works, so offer enormous health and safety benefits for your project.

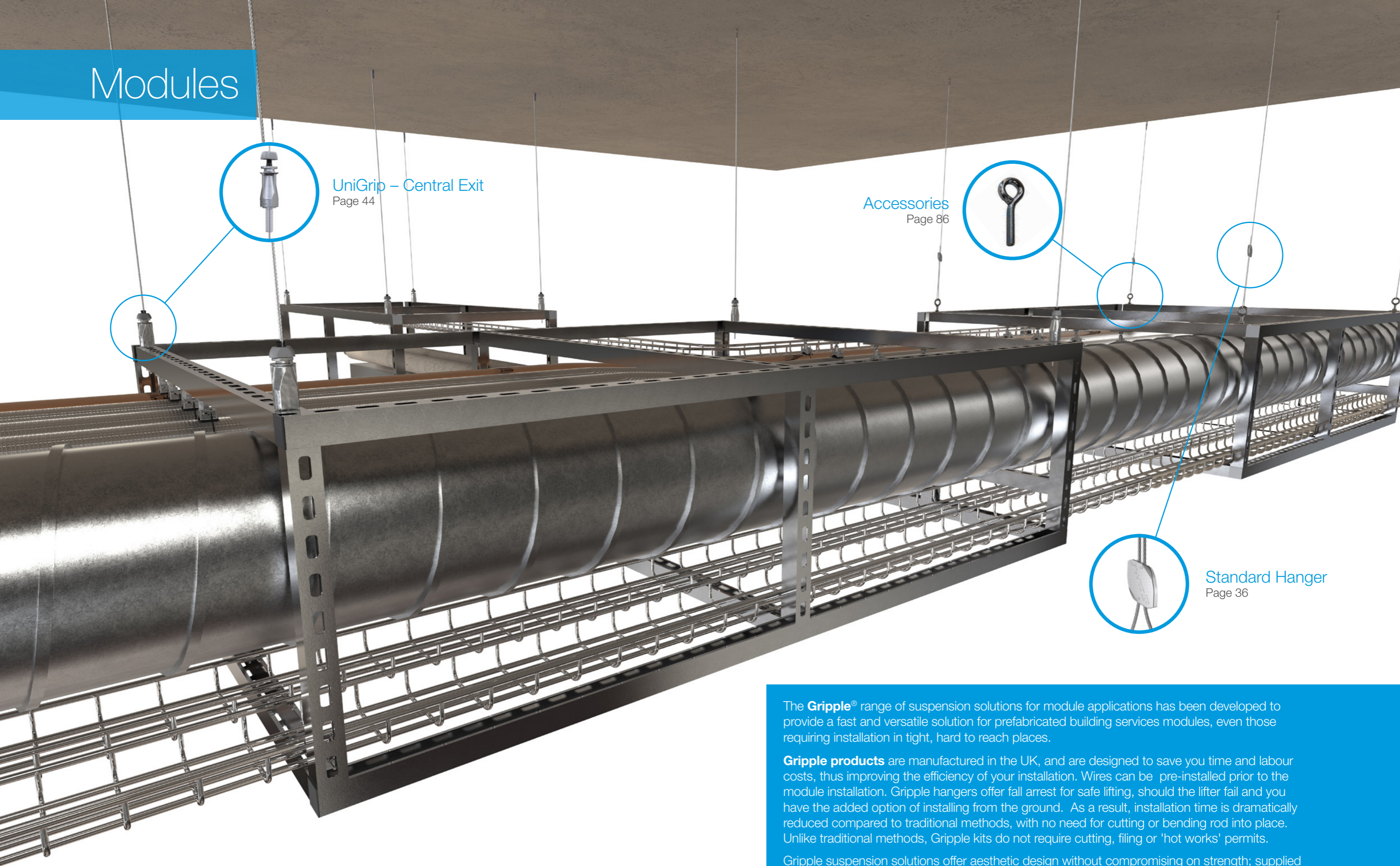
**Gripple products** offer a sleek, professional and discreet finish, without compromising on strength; supplied in ready-to-use kits with your choice of end fixing and wire rope length.

Angel has a wide range of feet available to suit your lighting application. See page 39 for details.





# Modules



UniGrip – Central Exit  
Page 44

Accessories  
Page 86

Standard Hanger  
Page 36

The **Gripple**® range of suspension solutions for module applications has been developed to provide a fast and versatile solution for prefabricated building services modules, even those requiring installation in tight, hard to reach places.

**Gripple products** are manufactured in the UK, and are designed to save you time and labour costs, thus improving the efficiency of your installation. Wires can be pre-installed prior to the module installation. Gripple hangers offer fall arrest for safe lifting, should the lifter fail and you have the added option of installing from the ground. As a result, installation time is dramatically reduced compared to traditional methods, with no need for cutting or bending rod into place. Unlike traditional methods, Gripple kits do not require cutting, filing or 'hot works' permits.

Gripple suspension solutions offer aesthetic design without compromising on strength; supplied in kits ready for use with a choice of wire rope lengths and end fixings.

# Signage



Angel Hook  
Page 38



Express  
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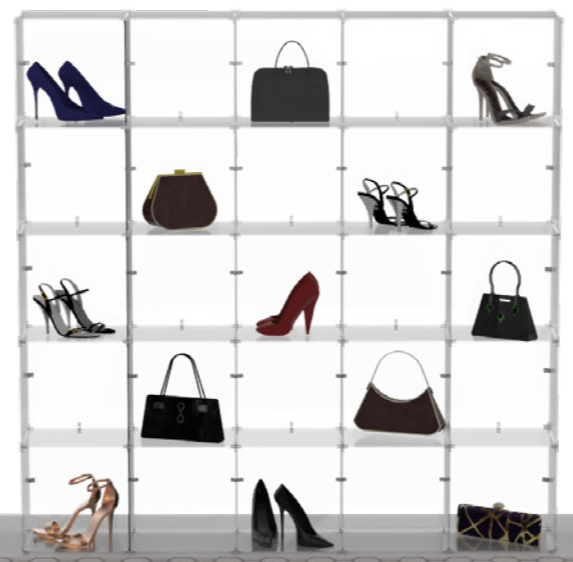
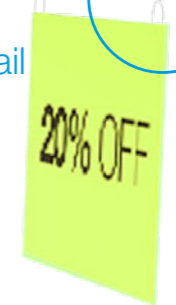
Angel  
Page 38



Standard Hanger  
Page 36



Angel  
Signage Rail  
Page 38



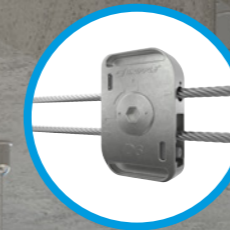
**The Gripple®** range of signage products has been developed to provide complete solutions for the suspension of all forms of signage.

The variety of kits allows for complete flexibility and adjustability, without the use of additional tools. The range of designs provides a sleek, professional finish for you and your clients, without compromising on strength.

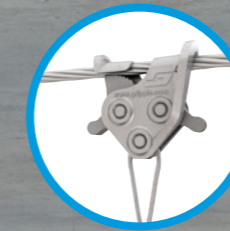
**Our kits** have been designed to save you time, labour and money by making installation quick and easy.

# Acoustics

Lockable Plus  
Page 52



C-Clip  
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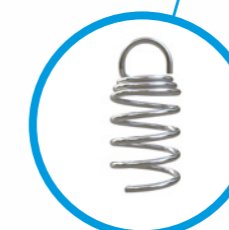
Express  
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Angel  
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Acoustic Spring  
Anchor  
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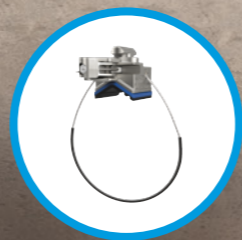
The **Gripple**® range of acoustic solutions are manufactured in the United Kingdom, and have been designed to save you time, money and labour by improving the efficiency of the installation process. Unlike traditional methods, Gripple kits require no on-site cutting, filing or use of uPVC frames, so offer enormous time-saving benefits for your project.

**Gripple products** can fit directly into acoustic baffles and panels, uPVC frames and suspended ceilings, offering a sleek, professional and discreet finish, without compromising on strength. All products are supplied in ready-to-use kits with your choice of end fixing and wire rope length.

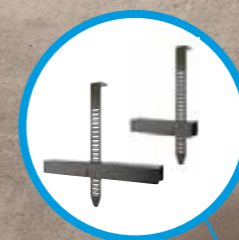
# Fast Trak



QT Compact Clamp  
Page 60



Fast Trak  
Side Loading  
Page 56



J-Hook  
Page 95



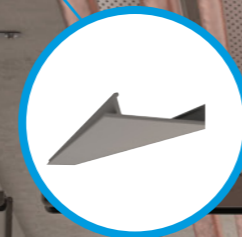
Conduit Clamp  
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Trunking Clamp  
Page 95



Bracket Cover  
Page 95



CB Clip  
Page 95



CT Clip  
Page 95



Vibration Dampener  
Page 95



Fast Trak  
Page 55



**Gripple Fast Trak™** is a quick bracket suspension solution for mechanical and electrical services. Removing labour intensive on-site activity associated with traditional suspension systems, Fast Trak is a pre-fabricated, off-site solution which vastly simplifies the installation of cable containment, pipework and ductwork in building services applications.

The next instalment in Gripple innovation, Fast Trak delivers significant cost and labour savings, carbon efficiencies and minimises health and safety concerns.



**Gripple® UniGrip** is the next generation wire rope suspension system, and a complete solution for the suspension of all building services applications. Offering Gripple's best ever load performance, alongside easier adjustment and a range of 'feet' to cater for all building services and installation methods, UniGrip is our most impressive single channel suspension solution to-date.

Up to six times faster to install than traditional suspension methods, UniGrip facilitates faster project completion for the contractor while offering an aesthetic, consistent finish across the entire building services installation.

**See UniGrip product information on page 44**

For further information please call +61 (0)3 9754 0333 or email [info@gripple.net.au](mailto:info@gripple.net.au)

# Black Line



**Gripple's ready-to-use suspension kits** now come with the option of a black finish to further enhance the aesthetic appeal of the range.

The slim and unobtrusive aesthetics of Gripple's wire suspension systems have always proved perfectly suited to the design of many modern buildings, either where building services in the roof space are left exposed and visible, or for specific applications such as the suspension of lighting.

The Black Line range is ideal for use in a wide variety of environments where aesthetics are paramount, including retail spaces, theatres, exhibition centres and concert halls.

Each kit is supplied complete with a black hanger, black wire rope and a choice of black end fixings.

For further information please call 03 9754 0333 or email [info@gripple.net.au](mailto:info@gripple.net.au)

# Seismic Bracing

Seismic Bracing Systems  
Page 65

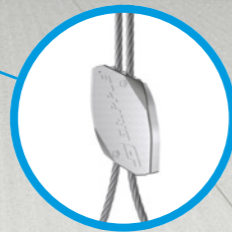


**Gripple® Seismic Bracing systems** are specifically designed and engineered to brace and secure suspended non-structural equipment (VAV boxes, fans, unit heaters, small in-line pumps, etc.) and components (HVAC duct, conduit/cable tray, and piping) within a building or structure to minimize damage from an earthquake or seismic event. Gripple will ensure that the bracing meets the seismic design requirements of the non-structural components, in regards to weight loads of the types of connection.

# Cold Rooms

Bay  
1

Bay  
2



Standard Hanger  
Page 36

The **Gripple**® range of supports and hangers has been developed to provide a fast and versatile solution for suspending all types of cold room panels and grids.

**Gripple products** are designed to save time, labour and reduce costs by making the installation quicker and easier. Supplied in ready-to-use kits, the products in this range require no on-site cutting and eliminate the need for fabricating pipe bracket assemblies, offering enormous health and safety benefits for your project.



# Other applications

For further information please call 03 9754 0333 or email [info@gripple.net.au](mailto:info@gripple.net.au)



Fire Rated Solutions



Seasonal (External Catenaries)



Bracing Solutions



Solar Panel Installation



# Products

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Express .....	37	Fire Rated Catenary Kit .....	53
Angel .....	38	Fast Trak - Standard .....	55
Fire rated Hanger .....	40	Fast Trak - Low Profile .....	56
Trapeze .....	42	QT Universal Clamp .....	58
Trapeze Plus Fire Rated .....	43	Universal Bracket .....	59
UniGrip .....	44	QT Compact Clamp .....	60
Duct Trapeze .....	46	Low Profile Bracket .....	61
Butterfly Trapeze .....	47	Universal Clamp .....	62
Trapeze Cable Basket Adaptor ....	48	Height Adjustable Universal Clamp	63
Y-Fit & Y-Fit Accessory .....	50	Seismic Bracing Systems .....	65

# Standard Hanger

A versatile suspension kit for a variety of applications including the suspension of HVAC, pipework and electrical containment from different substrates.

**Quick** – fewer components compared to traditional methods, up to six times faster to install than traditional suspension systems

**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site






**Strong** – industry approved load ratings of up to 325 kg with a 5:1 SWL

**Lightweight** – easy to move and handle on-site, whilst reducing the load on the building structure

**Aesthetic** – the design complements enclosed and open soffit spaces

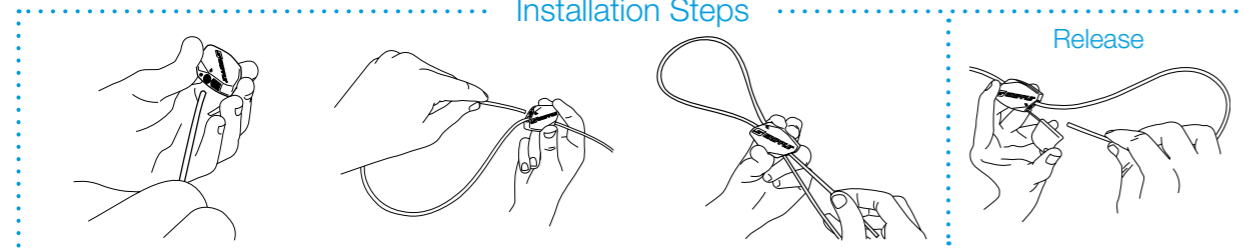


## Available Sizes and Load Ratings

	<b>No. 1</b> 10 kg SWL (5:1)		<b>No. 2</b> 45 kg SWL (5:1)		<b>No. 3</b> 90 kg SWL (5:1)		<b>No. 4</b> 225 kg SWL (5:1)		<b>No. 5</b> 325 kg SWL (5:1)
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# Express

Tool free suspension kit designed with a keyless release mechanism for fast suspension of a variety of applications from different substrates including M&E, lighting, signage and acoustics.

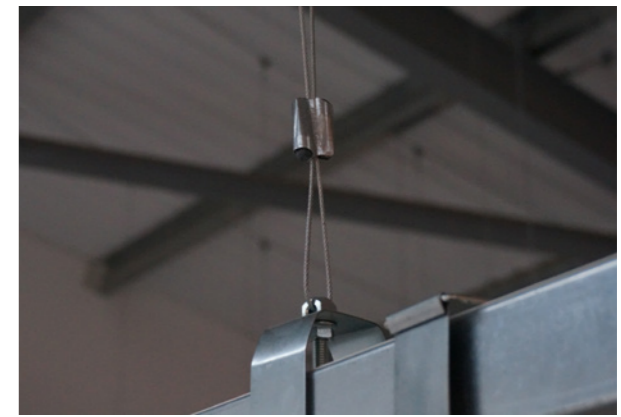
**Versatile** – Express No. 1 is ideal for signage, shop fitting, lighting and other lightweight fixtures. Express No. 2 is ideal for mechanical and electrical applications

**Quick** – ergonomic buttons allow for rapid adjustment, no Setting Key required



**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site

**Aesthetic** – the design complements enclosed and open soffit spaces

**Lightweight** – easy to move and handle on-site, whilst reducing the load on the building structure

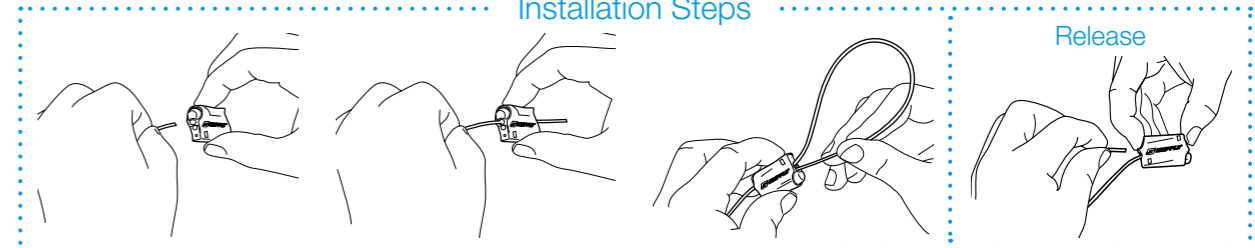


## Available Sizes and Load Ratings

	<b>No. 1</b> 15 kg SWL (5:1)		<b>No. 2</b> 45 kg SWL (5:1)
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au) for further details.

# Angel

Designed for architectural lighting suspensions, signage, acoustic baffles and all other installations where aesthetics are important.

**Aesthetic** – the design complements modern building design

**Discreet** – supplied with 1.5 mm wire for a unobtrusive suspension

**Quick** – ergonomic button allows for easy, rapid adjustment

**Strong** – 15 kg SWL to accommodate a wide range of fittings

**Versatile** – variety of different foot and End Fixings for attachment to a wide range of products and substrates

**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site

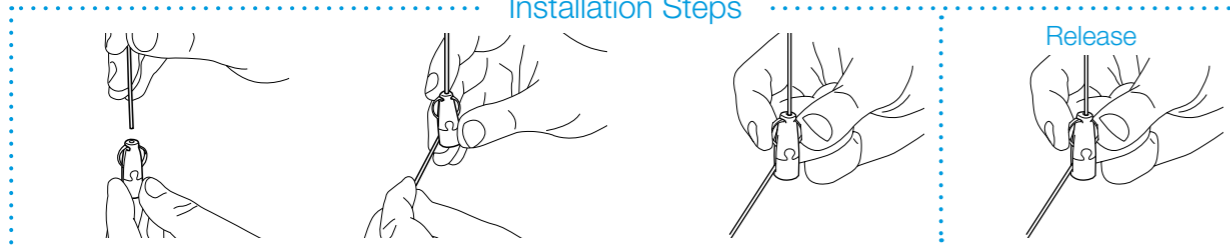


## Available Sizes and Load Ratings

	<p><b>No. 1</b> 15 kg SWL (5:1)</p>
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# Angel Feet

The Angel is now even more versatile with a wide range of feet available to suit your application.



### Y-Fit

- Dual fixing points for balance
- 150, 300 and 460 mm leg lengths as standard
- Available with a variety of wire end fixings
- Central wire exit



### Swivel

- Swivel feature for suspension at angles up to 90°
- Available in M4, M6 and M8 as standard
- Female: maximum insertion depth 6 mm
- Male: 15 mm exposed thread length as standard
- Side wire exit



### Hook

- Ideal for light fittings, signage, or for use with eyebolts, spring and wire anchors
- Safety clasp for security
- Integrated hook with 2.5 mm clearance
- Side wire exit



### Disc

- Ideal for use with various lighting tracks and track hangers
- Disc diameter  $\phi 17.5$  mm
- Available with a variety of wire end fixings
- Side wire exit



### Side Exit Female

- Female threaded foot, ideal for direct attachment to light fittings, frames and acoustic panels
- Available in M4 and M6 as standard
- Maximum insertion depth 6 mm
- Side wire exit



### Signage Rail

- Ideal for suspending signage or panels on either a rail or by screws
- Two screw holes for direct attachment
- Central wire exit



### Side Exit Male

- Threaded male foot, ideal for direct attachment to light fittings, frames and acoustic panels
- Available in M4 and M6 as standard. M5, M8, M10 and M13 adaptors available
- 15 mm exposed thread length as standard, bespoke lengths on request
- Side wire exit



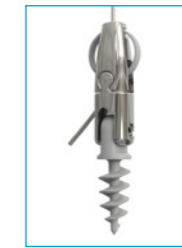
### Four Point

- Ideal for light panels with multi fixing points
- Perfect for even balance of square modules
- Side wire exit
- Four Point disc diameter 16 mm



### Central Exit

- Threaded male foot, ideal for direct attachment to light fittings
- Available in M6 as standard
- 5 mm minimum exposed thread length as standard, bespoke lengths on request
- Central wire exit



### Angel Mini Helix

- Ideal for fast installation and easy adjustment of acoustic panels
- Helical screw binds layers of polyester fibre to form a strong anchoring point
- Hanger can tilt to one side, acting as a lever for easier insertion

SWL dependent on the material it is used to suspend



### Signage

- Ideal for signage up to 5 mm in thickness
- Grub screw for direct attachment
- Available with a variety of wire end fixings
- Side wire exit

SWL dependent on the material it is used to suspend



### Angel Helix

- Ideal for fast installation and easy adjustment of acoustic panels
- Helix screw locks simply into acoustic panels using a hex key
- Locks into acoustic panel with audible click to confirm secure installation
- Central and Side wire exit options

SWL dependent on the material it is used to suspend



# Trapeze

Ideal for single and multi-tiered suspension of piping, electrical and HVAC services.

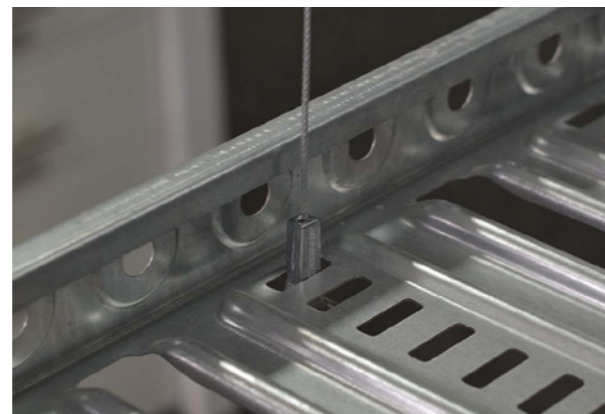
**Simple** – tapered design accommodates all slot sizes for fast and easy installation into channel reducing time spent working at height

**Quick** – adjustment pin allows for rapid adjustment, no Setting Key required

**Strong** – industry approved

**Versatile** – variety of different End Fixings for attachment to a wide range of substrates

**Safe** – supplied in ready-to-use kits comprising of a length of wire, pre-crimped End Fixing and Gripper Hanger. No tools or "Hot Works" permit required for installation, improving health and safety on-site

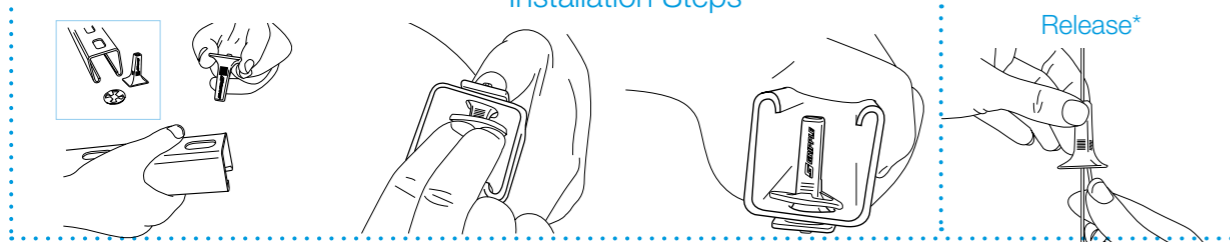


## Available Sizes and Load Ratings

	<p><b>No. 2</b> 45 kg SWL (5:1)</p>
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



\*When releasing: 1. Remove load, 2. Pull tail wire, 3. Activate pin. Do not adjust under load.

# Trapeze Plus Fire Rated

Designed for quick attachment to channel for the fast suspension of a variety of applications including HVAC, pipework and electrical containment where fire resistance is required.

**Fire rated** – supplied with stainless steel wire. Tested for 120 minutes in accordance with AS/NZS 3013. Independent test data available with load limits and exposure times

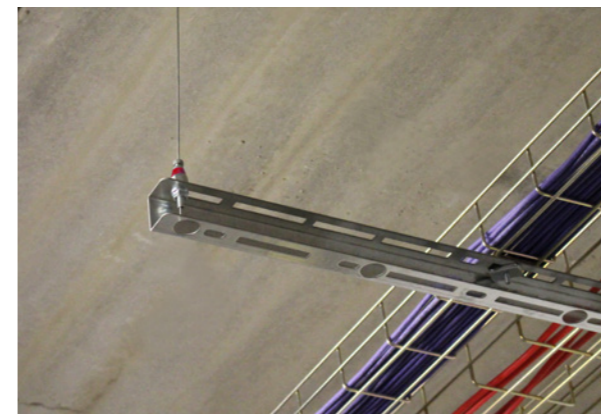
**Simple** – fast and easy installation using the washer or channel nut supplied to pre-install into Gripper Universal Bracket or channel reducing time spent working at height

**Quick** – integral adjustment button allows for rapid adjustment, no Setting Key required




**Secure** – locking screw prevents movement of services once positioned

**Strong** – industry approved

**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site



## Available Sizes and Load Ratings

	<p><b>No. 2</b> 45 kg SWL (3:1)</p>		<p><b>No. 3</b> 90 kg SWL (3:1)</p>		<p><b>No. 4</b> 225 kg SWL (3:1)</p>
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



\*When releasing: 1. Remove load, 2. Pull tail wire, 3. Activate pin. Do not adjust under load.

For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au) for further details.

# UniGrip

The next generation of wire rope suspension products designed for the fast suspension of cable containment, pipework, ductwork, HVAC systems and modules including multi-tier installations.

**Quick** – up to 6 times faster than traditional suspension systems

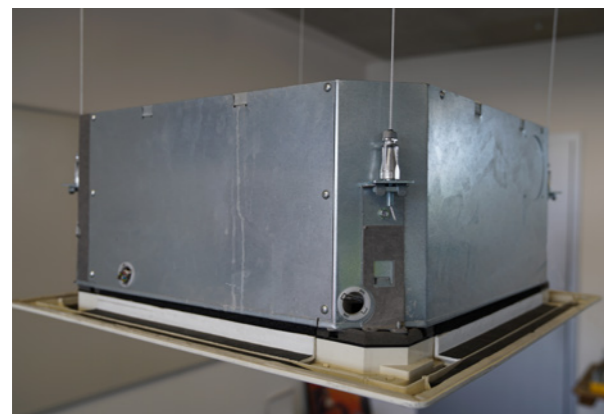
**Safe** – can be pre-installed to channel using pre-fitted washer/nut or using retention clip reducing time working at height

**Easy** – integral ergonomically designed release button allows for simple adjustment

**Secure** – button acts as a locking screw and indicator clearly highlights the wire is locked in position for ultimate security

**Versatile** – variety of foot attachments available to suit applications

**Strong** – highest load rating capability to date, up to 250 kg SWL with a 5:1 safety factor

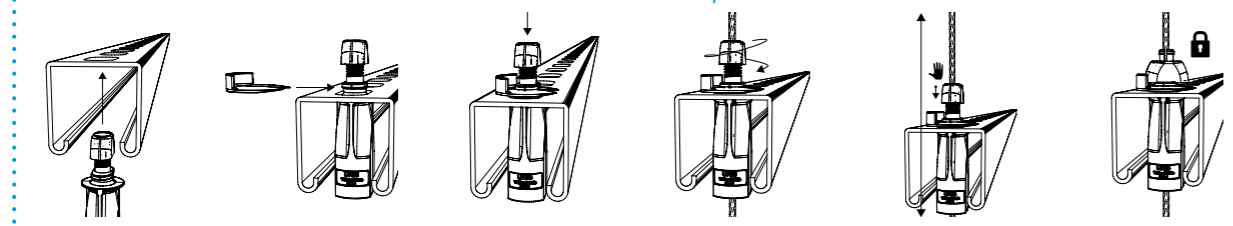


## Available Sizes and Load Ratings

	<b>No. 2</b> 55 kg SWL (5:1)		<b>No. 3</b> 110 kg SWL (5:1)		<b>No. 4</b> 250 kg SWL (5:1)
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All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.










## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# UniGrip Feet

UniGrip is available with a range of 'feet' options, making it an ideal solution for all building services applications. Consolidating the number of products used to install services on-site will simplify the entire installation process and offer consistency across the project.

	<b>Standard</b> <ul style="list-style-type: none"> <li>Designed for non mechanical fixing through brackets</li> <li>Supplied with retention clip for pre-fabrication applications</li> <li>Central wire exit</li> </ul>		<b>QT</b> <ul style="list-style-type: none"> <li>Designed for use with Gripple Universal Brackets</li> <li>Quarter turn installation, no mechanical fix required</li> <li>Safety clip for added security</li> <li>Central wire exit</li> </ul>		<b>Calibra</b> <ul style="list-style-type: none"> <li>Designed for adjustment of building services under load</li> <li>35 mm of finite adjustment using integral adjustment pillar and M8 thread</li> <li>Side wire exit</li> </ul>
	<b>Hook</b> <ul style="list-style-type: none"> <li>Self closing latch for security</li> <li>Designed for heating/cooling panels and light fittings</li> <li>Side wire exit</li> </ul>		<b>Y-Fit</b> <ul style="list-style-type: none"> <li>Designed for lighting or containment</li> <li>Dual fixing points for balance</li> <li>150 mm, 300 mm and 500 mm leg lengths as standard</li> <li>Legs available with a variety of wire end fixings eg. Toggle, Snap Hook etc.</li> <li>Side wire exit</li> </ul>		<b>Side Exit</b> <ul style="list-style-type: none"> <li>Designed for applications in which wire cannot exit centrally (avoiding clashes with services)</li> <li>Supplied with a hex nut</li> <li>Side wire exit</li> </ul>
	<b>Phenolic Adaptor</b> <ul style="list-style-type: none"> <li>Ideal for phenolic &amp; PIR fabricated ductwork</li> <li>Fast, tool free insertion with less time at height</li> <li>Push-fit directly into the underside of the duct</li> <li>15 kg SWL per bracket at 5:1 safety factor</li> </ul>		<b>Central Exit with square washer &amp; channel nut</b> <ul style="list-style-type: none"> <li>Designed for services suspended with channel</li> <li>Supplied with a channel nut</li> <li>Male thread for mechanical fixing</li> <li>M8 (UniGrip No.2)</li> <li>M10 (UniGrip No.3)</li> <li>M12 (UniGrip No.4)</li> <li>Central wire exit</li> </ul>		<b>Central Exit with hex nut</b> <ul style="list-style-type: none"> <li>Designed for services suspended with channel</li> <li>Supplied with a hex nut</li> <li>Male thread for mechanical fixing</li> <li>M8 (UniGrip No.2)</li> <li>M10 (UniGrip No.3)</li> <li>M12 (UniGrip No.4)</li> <li>Central wire exit</li> </ul>

For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au)



Visit our website

# Duct Trapeze

Ideal for single and multi-tiered suspension of rectangular ductwork.

**Quick** – adjustment pin allows for rapid adjustment, no Setting Key required

**High performance** – rubber pad prevents air leakage and dampens vibration

**Strong** – industry approved

**Compatible** – suitable for ducting made from 0.6 – 1.5 mm gauge steel

**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site



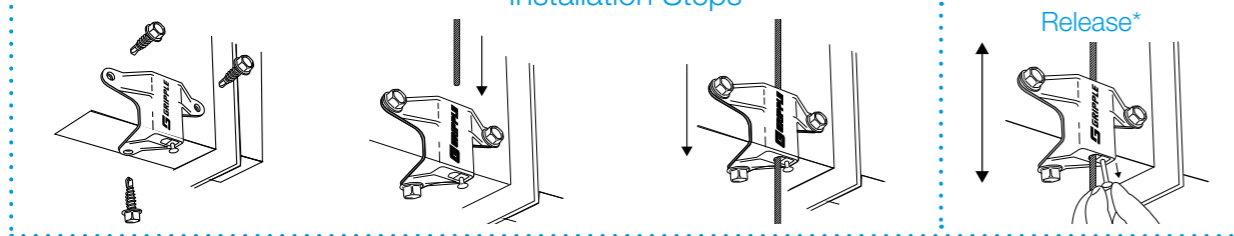
## Available Sizes and Load Ratings



**No. 2**  
45 kg SWL  
(5:1)

All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



\*When releasing: 1. Remove load, 2. Pull tail wire, 3. Activate pin. Do not adjust under load.

# Butterfly Trapeze

Ideal for single and multi-tiered suspension of rectangular ductwork and plenum boxes.

**Simple** – can be installed directly to the ductwork at ground level, eliminating the need for channel

**Quick** – adjustment pin allows for rapid adjustment, no Setting Key required

**High performance** – rubber pad prevents air leakage and dampens vibration

**Strong** – industry approved

**Compatible** – suitable for ducting made from 0.6 – 1.5 mm gauge steel

**Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site



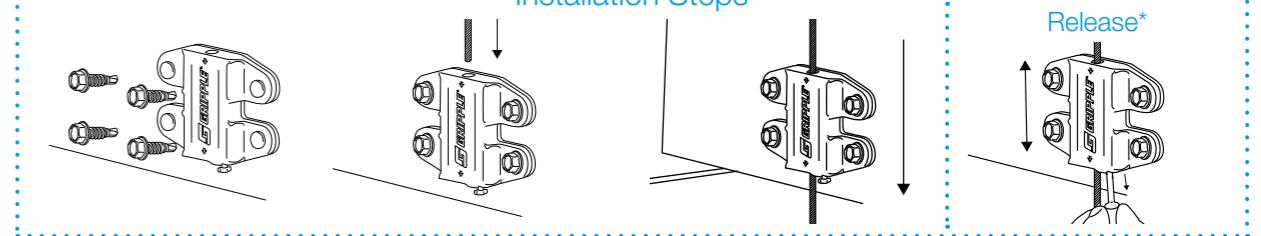
## Available Sizes and Load Ratings



**No. 2**  
45 kg SWL  
(5:1)

All hangers are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Steps



\*When releasing: 1. Remove load, 2. Pull tail wire, 3. Activate pin. Do not adjust under load.







# Lockable Plus

Create secure, overhead spans by running high strength wire rope between two fixing points. Ideal for applications where no direct vertical anchor point is available.

**Versatile** - can easily be used for a variety of applications including lighting, HVAC, pipework and electrical containment

**Quick** - fewer components compared to traditional methods, up to six times faster to install than traditional suspension systems

**Aesthetic** - the design complements enclosed and open soffit spaces providing a discreet finish

**Safe** - no 'hot works' permit required for installation, improving health and safety on-site

**Easily tensioned** - using the Gripple Catenary Tensioning Tool reducing time spent working at height

**Secure** - locking mechanism in the Lockable Plus prevents dynamic movements

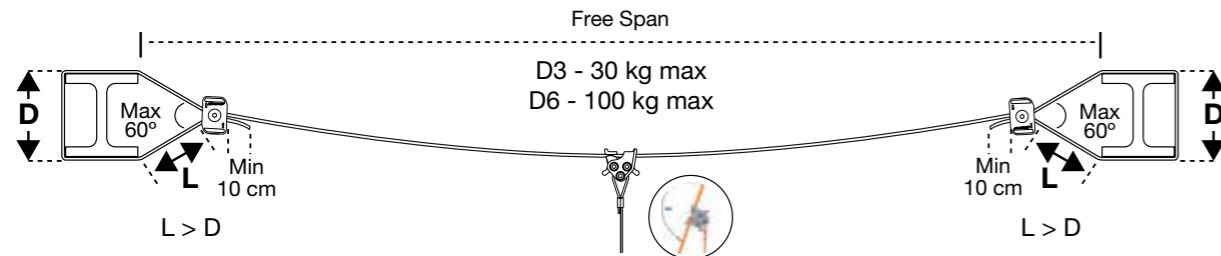
**Strong** - industry approved

**Lightweight** - easy to move and handle on-site, whilst reducing the load on the building structure



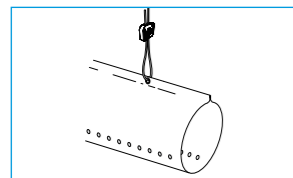
Available in sizes  
2 mm, 3 mm, 4 mm, 4.75 mm & 6 mm

## CATENARY



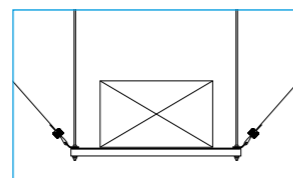
5:1 SAFETY FACTOR VERTICAL LOAD RATING PER FREE SPAN	D3	D6
	30 kg (66 lbs)	100 kg (220 lbs)

## HANGER



D2, D3 & D4 - 5:1 SAFETY FACTOR D6 - 3:1 SAFETY FACTOR	
D2	45 kg
D3	90 kg
D4	150 kg
D5	225 kg
D6	500 kg

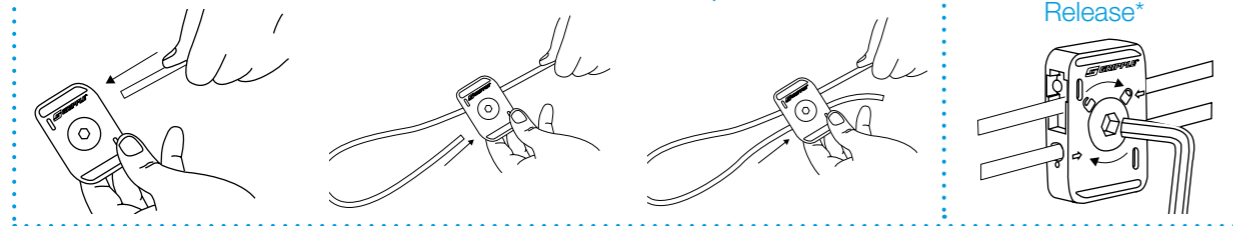
## BRACING



MAX LOAD PER WIRE ROPE	
D2	1.76 kN (Max)
D3	3.53 kN (Max)
D4	7.35 kN (Max)
D5	7.35 kN (Max)
D6	14.71 kN (Max)

If wire rope is to be used as a primary load support please refer to Gripple recommendations for hanging at angles.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# Fire Rated Catenary Kit

Fire resistant catenary spans tested in accordance with AS/NZ3013. Ideal for running lengths of electrical cable where a fire rating is a requirement.

**Industry proven** - Established products used in hundreds of applications across Australia and New Zealand

**Quick** - Stainless steel cable ties for securing the cable meaning a quick and simple installation

**Aesthetic** - 3 mm & 6 mm wire rope - the most visually discreet solutions for various loads up to 5 kg per metre

**Lightweight** - Utilising wire rope, regular supports and stainless steel cable ties the system offers a lightweight alternative to fire rated tray

**Savings** - Suitable substitute for expensive fire rated cable tray - save time and money compared to traditional methods

**Safe** - Testing in accordance with AS/NZ3013:2005

**Patented** - Patent protected system - Application No. 2017904761



Non Gripple product. Supplied directly by Polyplas International except the Trapeze Pluse Fire Rated which is supplied by Gripple.



## Available Sizes



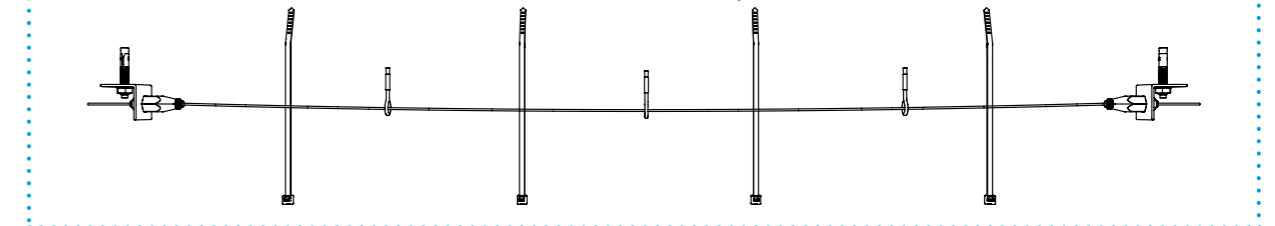
**3 mm**  
1 kg per metre



**6 mm**  
5 kg per metre

All catenaries are supplied as ready-to-use kits with a length of wire rope and end fixing of your choice.

## Installation Example



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au) for further details.

# Catenary Kit Codes

How to build your unique product code:

## 1 CHOOSE YOUR PRODUCT



Lockable Plus 3  
(3 mm)  
**CTI-3MM**



Lockable Plus 6  
(6 mm)  
**CTI-6MM**

## 2 CHOOSE YOUR WIRE LENGTH

- 3M
- 5M
- 8M
- 10M
- 20M
- 30M
- 40M

Enter your unique product code (e.g. **CTI-3MM-30M**):

							-			
PRODUCT							WIRE LENGTH			

C-Clip End Fixing can be ordered to complement the Catenary Kit on the hanger product code pages

Catenary Wall Brackets are available to complement the Catenary Kit using the code below:



C-Clip 3 mm  
**CC3**



C-Clip 6 mm  
**CC6**



**CAT-BRACKET-100MM**



**CAT-ANC-M12\***  
Non-Gripple Product.

# Fast Trak™ - Standard

Pre-fabricated trapeze bracket solution offering speed, flexibility and efficient use of space, for the installation of electrical containment, pipework, ductwork and other mechanical services in restricted places.

**Quick** – up to six times faster to install than traditional suspension systems

**Safe** – pre-fabricated system which removes the need to cut threaded rod or channel on-site

**Tool Free Adjustment** – bracket can be moved up and down the tracks to accommodate changes in position during installation

**Zero Waste** – tracks bend neatly under bracket

**Versatile** – four-sided bracket provides suspension point on every face

**Easy Measurement** – indicators for marking fixing points on the ceiling; M4 level markers on the tracks highlight 50 mm increments, no leveling tools required

**Neat & Tidy** – system can be ‘stacked’ on-site to reduce storage requirements

**Space Saver** – can be multi-tiered to accommodate additional services.



### Available Bracket Sizes



**System Rating**  
Up to 200 kg SWL (3:1)\*\*

**Bracket Sizes**  
170 mm - 1470 mm

Bracket sizes increase in 100 mm increments

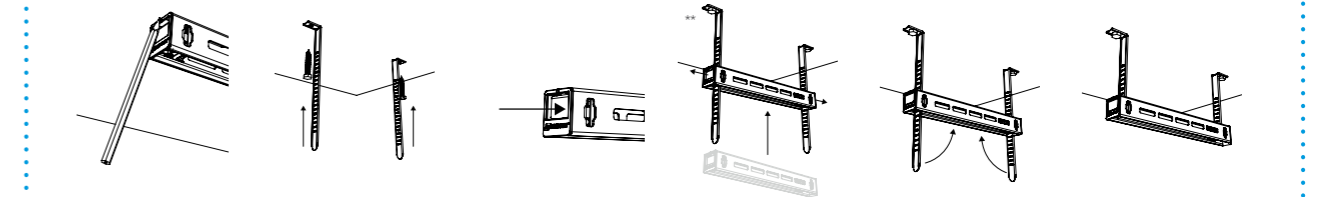
### Available Track Sizes



**Track Sizes**  
200 mm - 1500 mm

Track sizes increase in 100 mm increments

### Installation Steps



\*\*When installed correctly, button must be fully retracted and flush with the cartridge edge. Do not adjust under load. SWL is dependent on the bracket size and orientation.

# Fast Trak® - Low Profile

A space efficient low profile pre-fabricated trapeze bracket. Ideal for use with electrical containment, pipework and mechanical services in ultra-restricted ceiling spaces.

**Space Saver** – 21 mm bracket depth is even lower profile than standard Fast Trak range

**Quick** – up to six times faster to install than traditional suspension systems

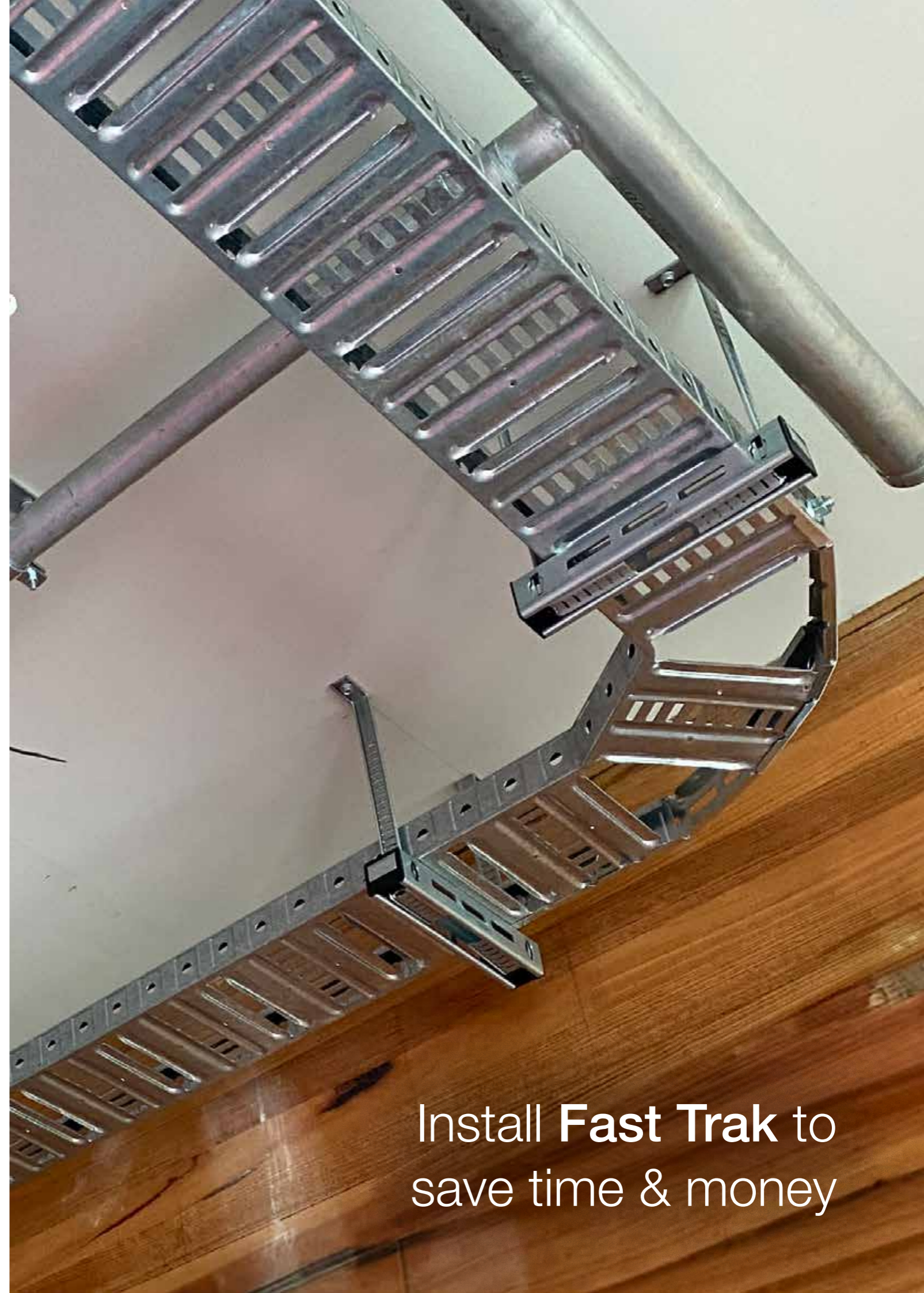
**Safe** – pre-fabricated system which removes the need to cut threaded rod or channel on-site

**Tool free adjustment** – bracket can be moved up and down the tracks to accommodate changes in position during installation

**Easy Measurement** – indicators at each end of the bracket can be used as a measurement guide when marking fix points in the ceiling

**Neat & tidy** – system can be 'stacked' on-site to reduce storage requirements

**Aesthetic** – tracks bend neatly under bracket\*\*



## Available Bracket Sizes



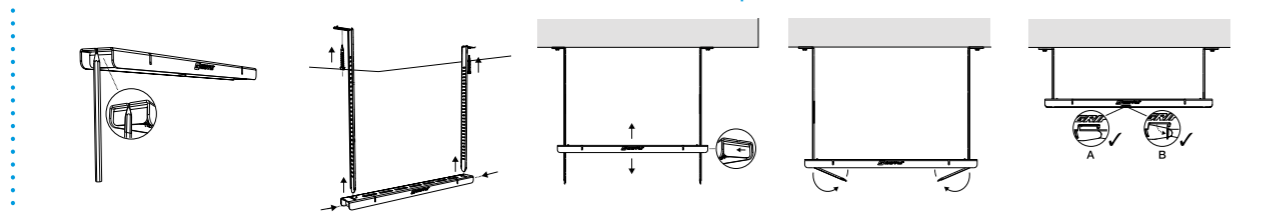
**System Rating** 30 - 195 kg SWL (3:1)\*\*  
**Bracket Sizes** 190 mm - 1490 mm  
 Bracket sizes increase in 100 mm increments

## Available Track Sizes



**Track Sizes** 200 mm - 1500 mm  
 Track sizes increase in 100 mm increments

## Installation Steps



\*Tested at ambient temperatures, contact Grippler for full product information, submittal data and technical support.

\*\*Excess tracks cannot be snapped off once bracket is levelled.

\*\*\*When installed correctly, button must be fully retracted and flush with the cartridge edge. Do not adjust under load. SWL is dependent on the bracket size and orientation.

Install Fast Trak to save time & money

## QT Universal Clamp

Designed for use with Gripple Brackets to provide quick and easy pipework installation.

**Quick** – up to ten times faster than traditional methods due to integral mounting pillar and quarter turn attachment to Universal Bracket

**Simple** – no tools required for installation

**Universal** – replaces more than 13 different pipe rings from OD1 (15 mm copper) to OD114 (4" steel)

**Robust** – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion

**Versatile** – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)

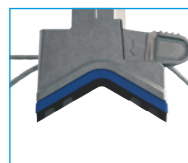
**Strong** – 75 kg SWL with a 3:1 safety factor (equivalent to OD 89 (3" steel) filled with water)

**Compatible** – available with Kooltherm/Armaflex pipe collars for insulated pipe

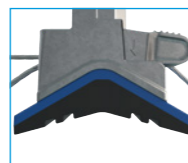
**Safe** – supplied in ready-to-use kits with Gripple Brackets, for easy site storage and waste reduction



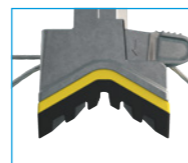
### Pad Variants



**Standard**  
Rubber pad for insulation purposes  
14 dBa reduction.



**Large**  
Improved fit for large dia. pipe  
Most suitable for 3" and above 18 dBa reduction.



**Acoustic**  
Designed to reduce noise related to water pressure  
23 dBa reduction

Clamps are supplied as ready-to-use kits with Universal or Low Profile Brackets available in various sizes.

### Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

## Universal Bracket

Designed for quick and easy support of electrical containment, pipework and other mechanical services.

**Quick** – pre-cut lengths eliminate the need for cutting channel on-site, allowing more productive use of labour

**Versatile** – can be bolted directly to soffit or wall, or suspended from the soffit using a Gripple Hanger e.g. UniGrip QT

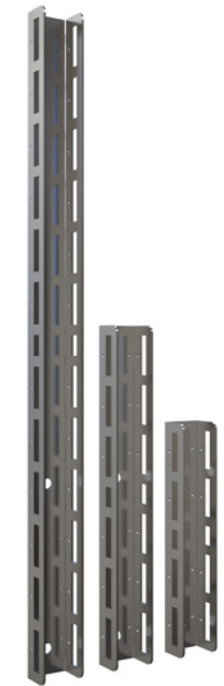
**Compatible** – integrates with QT Universal Clamp, QT Compact Clamp, Universal Clamp, UniGrip and Y-Fit Hangers

**Safe** – improved health and safety as no tools or 'hot works' permit required for installation

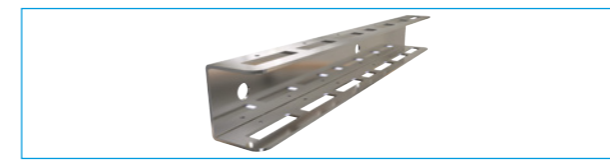
**Strong** – 150 kg load rating in sizes ranging from 240 mm to 1540 mm and fire tested by BRE

**Flexible** – perfect for multi-service installs e.g. electrical containment or duct work on the top side and pipework on the bottom side

**Fire rated** – for more information please contact Polyplas International Technical Services



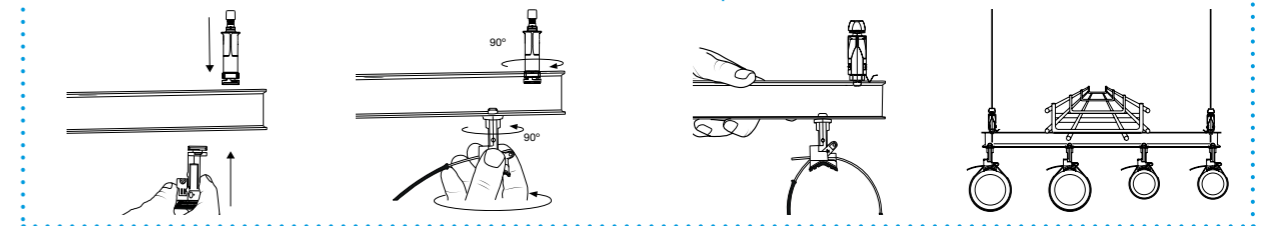
### Size Variants



Available in 100 mm increments from 240 mm - 1540 mm  
150 kg SWL

Supplied as ready-to-use kits with a choice of QT Universal Clamps or QT Compact Clamps.

### Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

## QT Compact Clamp

Used in conjunction with Gripple Brackets for quick and easy support of all types of pipework within mechanical and plumbing services.

**Quick** – up to ten times faster than traditional methods due to integral mounting pillar and quarter turn attachment to Gripple Brackets

**Simple** – no tools required for installation

**Universal** – replaces more than 13 different pipe rings from OD15 (15 mm copper) to OD114 (4" steel)

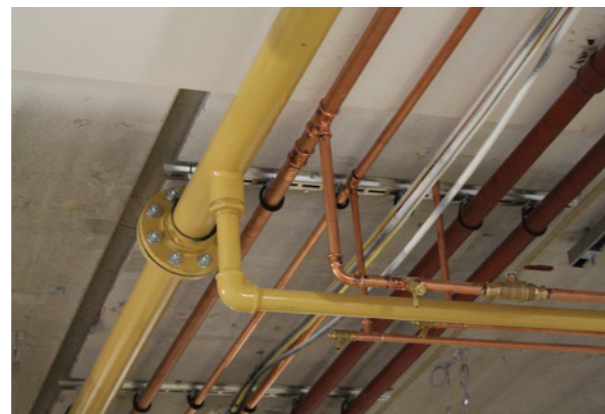
**Robust** – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion

**Versatile** – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)

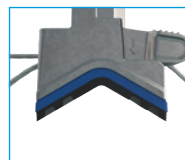
**Strong** – 75 kg SWL with a 3:1 safety factor (equivalent to OD 89 (3" steel) filled with water)

**Compatible** – available with Kooltherm/Armaflex pipe collars for insulated pipe

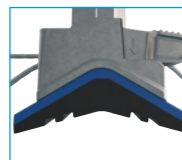
**Safe** – supplied in ready-to-use kits with Gripple Brackets, for easy site storage and waste reduction



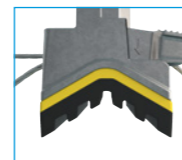
### Pad Variants



**Standard**  
Rubber pad for insulation purposes  
14 dBa reduction.



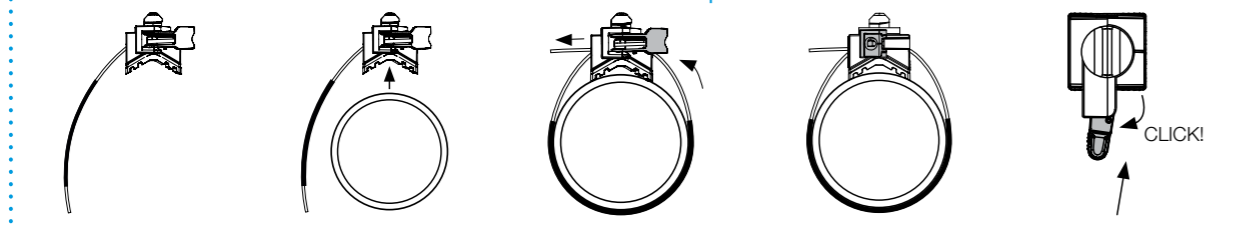
**Large**  
Improved fit for large dia. pipe  
Most suitable for 3" and above 18 dBa reduction.



**Acoustic**  
Designed to reduce noise related to water pressure  
23 dBa reduction

Clamps are supplied as ready-to-use kits with Universal or Low Profile Brackets available in various sizes.

### Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

## Low Profile Bracket

Supplied with QT Compact Clamps for quick and easy support of pipework within mechanical and plumbing services.

**Quick** – pre-cut lengths eliminating the need for cutting channel on-site, allowing more productive use of labour

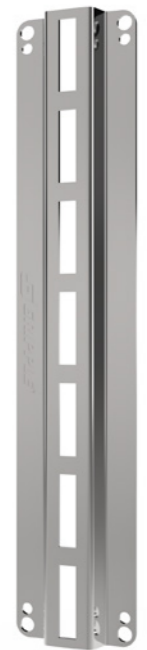
**Versatile** – can be bolted directly to soffit or wall with less than 15 mm depth

**Compatible** – brackets are supplied with QT Universal Clamps or QT Compact Clamps featuring quarter turn fixing

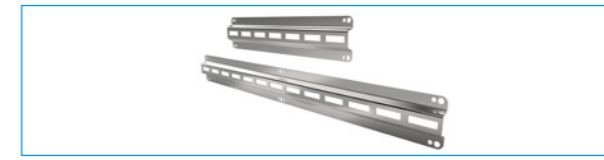
**Safe** – improved health and safety as no tools or 'hot works' permit required for installation

**Strong** – 150 kg load rating in sizes ranging from 250 mm to 1550 mm

**Fire rated** – for more information please contact Polyplas International Technical Services



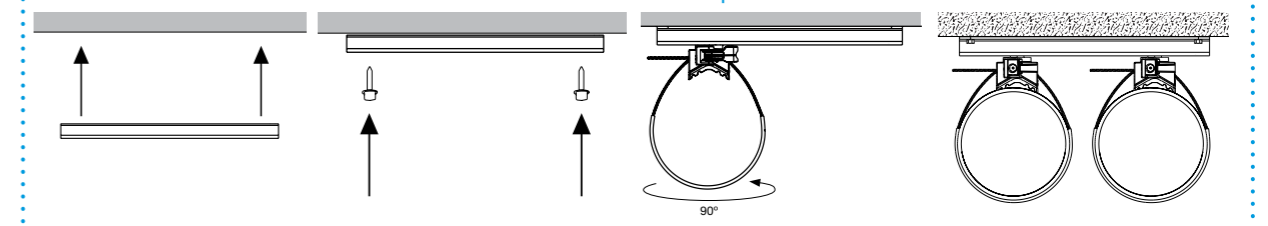
### Size Variants



Available in 100 mm increments from 250 mm - 1550 mm  
150 kg SWL

Supplied as ready-to-use kits with a choice of QT Universal Clamps or QT Compact Clamps.

### Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# Universal Clamp

Designed for use with Gripple Brackets to provide quick and easy pipework installation.

**Flexible** – M8/M10 dual thread allows for flexible attachment to Gripple brackets, channel and rod

**Universal** – replaces more than 13 different pipe rings from OD15 (15 mm copper) to OD114 (4" steel)

**Robust** – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion

**Versatile** – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)

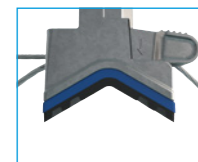
**Strong** – 75 kg SWL with a 3:1 safety factor (equivalent to OD 89 (3" steel) filled with water)

**Compatible** – available with Kooltherm/Armaflex pipe collars for insulated pipe

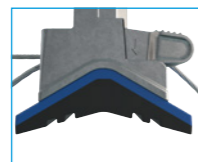
**Environmentally friendly** - reduced components compared to traditional methods, reducing waste and allowing easy on-site storage



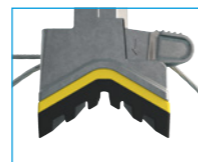
## Pad Variants



**Standard**  
Rubber pad for insulation purposes  
14 dBa reduction.



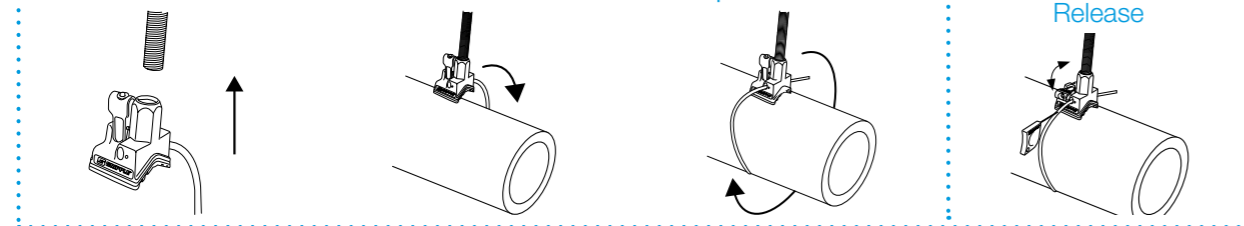
**Large**  
Improved fit for large dia. pipe  
Most suitable for 3" and above 18 dBa reduction.



**Acoustic**  
Designed to reduce noise related to water pressure  
23 dBa reduction

Clamps are supplied individually or as part of a bespoke bracket system to suit your application.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

# Height Adjustable Universal Clamp

Quick install pipe clamp solution which enables installation at varying heights from the bracket; ideal for instances where different sized pipes require aligning along the centre axis.

**Finite adjustment** – make height adjustments to suit exact requirements

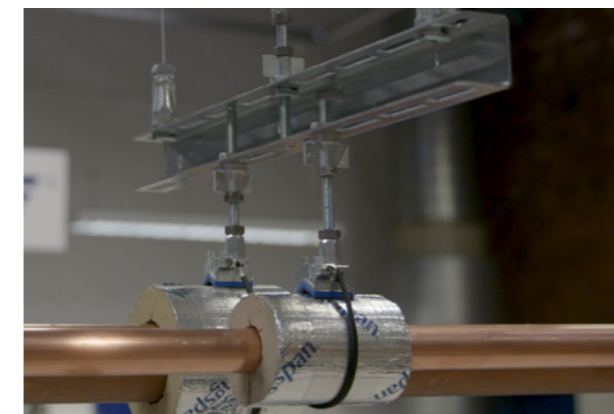
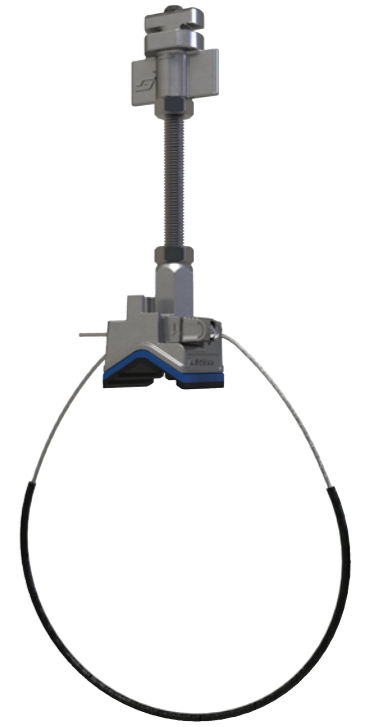
**Quick installation** – simple quarter turn attachment to bracket; no requirement to cut threaded rod to multiple different lengths

**Versatile** – enables pipes of different sizes to be installed along the centre axis and condensate pipes to be installed at a gradient for drainage

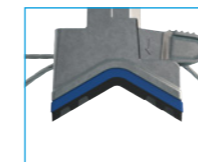
**Universal** – replaces more than 13 different pipe ring sizes

**Practical** – easy site storage, reduces waste

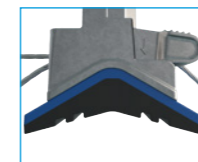
**Ready-to-use** – supplied as a kit, with 100 mm length of rod, M8 nut and Gripple Universal Clamp



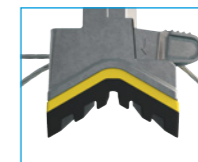
## Pad Variants



**Standard**  
Rubber pad for insulation purposes  
14 dBa reduction.



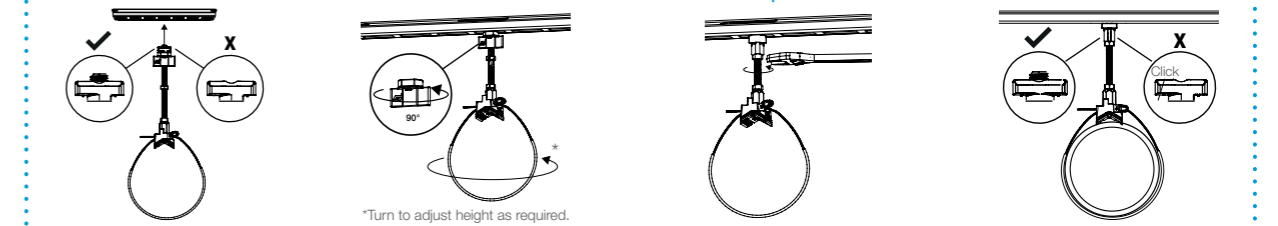
**Large**  
Improved fit for large dia. pipe  
Most suitable for 3" and above 18 dBa reduction.



**Acoustic**  
Designed to reduce noise related to water pressure  
23 dBa reduction

Clamps are supplied individually or as part of a bespoke bracket system to suit your application.

## Installation Steps



Do not adjust under load. Contact Polyplas International for full product information, submittal data and technical support.

For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au) for further details.



# Pipework Kit Codes

How to build your unique product code:

## 1 CHOOSE YOUR UNIVERSAL OR LOW PROFILE BRACKET

Universal Bracket				Low Profile Bracket			
240 mm PB240	340 mm PB340	440 mm PB440	540 mm PB540	250 mm LPB250	350 mm LPB350	450 mm LPB450	550 mm LPB550
640 mm PB640	740 mm PB740	840 mm PB840	940 mm PB940	650 mm LPB650	750 mm LPB750	850 mm LPB850	950 mm LPB950
1040 mm PB1040	1140 mm PB1140	1240 mm PB1240	1340 mm PB1340	1050 mm LPB1050	1150 mm LPB1150	1250 mm LPB1250	1350 mm LPB1350
1440 mm PB1440	1540 mm PB1540			1450 mm LPB1450	1550 mm LPB1550		

## 2 CHOOSE YOUR CLAMP QUANTITY

2	3	4	5	6	7	8
---	---	---	---	---	---	---

## 3 CHOOSE YOUR TYPE OF CLAMP

QT Universal Clamp T	QT Compact Clamp C	Universal Clamp I	Height Adjustable Universal Clamp HA100	Standard -	Large L	Acoustic A

## 4 CHOOSE YOUR FOOT VARIANT

Enter your unique product code (e.g. PB440-4GC2-T-400-L):

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
BRACKET						CLAMP QUANTITY			TYPE OF CLAMP						WIRE LENGTH (MM)			FOOT VARIANT									

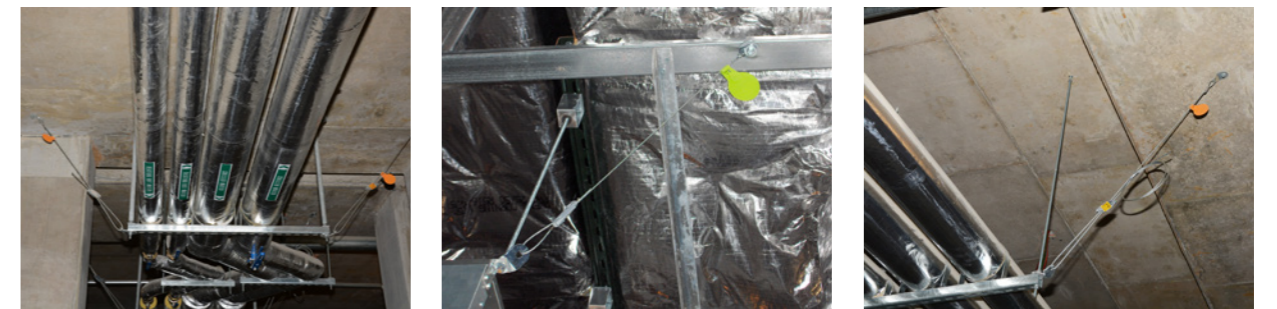
# Seismic Bracing Systems

It is crucial to ensure that buildings and assets are properly protected and will continue to operate after a seismic event. Suspended non-structural building components are critical for the proper functioning of a building, and typically make up a high percentage of a building's damage in an earthquake.

Building codes in both Australia and New Zealand require that non-structural components are installed to resist earthquake loading.

Properly-engineered bracing and isolation of these services is particularly important for essential facilities that must remain operational in the aftermath of an earthquake or seismic event (such as hospitals, fire/rescue, water/power, etc.), or facilities representing a substantial hazard to human life (such as schools, jails, etc.).

Gripple Australia are able to offer fully certified seismic solutions from specification through to installation to ensure that the braces meets the seismic design requirements of the non-structural components, in accordance with AS110.4, NZS4219 and NZS1170.5.



Gripple® Seismic Bracing Systems are specifically designed and engineered to brace and secure suspended nonstructural equipment (VAV boxes, fans, unit heaters, small FCU's, pumps, etc.) and components (HVAC duct, conduit/cable tray, and piping) within a building or structure to minimize damage from an earthquake or seismic event. Complete bracing kits include a length of cable with pre-attached end fitting and colour-coded tag, Gripple Seismic fastener, and standard or retrofit bracket.

The range of seismic bracing systems has been specifically developed to provide the most effective bracing for suspended non-structural building components during an earthquake or seismic event. Solutions are highly adaptable and so perfect for installation during the construction phase or for retrofitting.

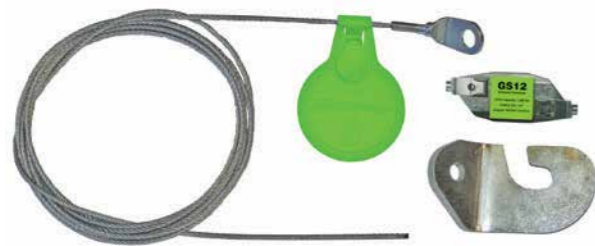
## Gripple seismic wire bracing systems offer the following advantages:

- Up to 10 times faster to install
- No field swaging of wires & no tools required
- Colour coding allows easy field verification
- Suitable for new or retrofit installations
- Can be used in a variety of bracing configuration
- Complete pre-engineered systems
- ANSI/ASHRAE 171 Tested
- AC-156 Shaker Table Tested
- AS 1170.0 Ultimate Limit State Tested
- OSHPD OPA 2123-10 approved range also available
- SMACNA verified
- UL tested for NEBS GR 63 Core

Kit	Colour	Rating
GS9	White	90 kg
GS10	Red	135 kg
GS11	Black	220 kg
GS12	Green	390 kg
GS19	Orange	900 kg
GS25	Purple	1,680 kg

# Seismic Bracing Components

## Seismic Bracing Kits



Each seismic brace is made up of a number of configurable components.

Depending on the requirements of the specific location and service to be braced, a range of options are available:

## Seismic Fasteners



GS9 \*



GS10



GS11 \*

A range of Gripple seismic fasteners suitable for bracing non-structural services.

Each fastener is also supplied with a colour coded tag attached to the wire to allow for simple installation and easy identification on site.



GS12



GS19



GS25

## Top Fittings



Eyelet



C-Bracket \*



V-Bracket \*



4 Point Plate \*

End fittings swaged to the length of wire rope. To be securely fixed to building structure using the anchor(s) provided.

## End Brackets



T-Bracket \*



H-Bracket \*



C-Bracket \*



O-Bracket \*

Loose brackets provided as a part of each kit to attach to the non-structural component.

## Anchors

A range of anchors are available depending on the installation. To be specified by Polyplas International engineers.



C1 or C2 Anchor Bolts for concrete \*



Steel Bolt \*



Concrete Screw \*



Coach Screw \*



PM T50 Seismic Beam Clamp \*

\* Non Gripple product. Supplied directly by Polyplas International.

# Seismic Innovations

## V-Bracket range \*

The V-Bracket design reduces prying by focusing the load through the centre of the anchor maximising the anchor's available capacity.

Typically, traditional brackets create significant prying on the anchor thereby reducing available capacity which is often a key limitation in seismic bracing design.

By maximising the capacity of the anchor, smaller anchors can be used meaning smaller holes are required to be drilled on site. This saves time and reduces the cost of installation.

The V-Bracket range is tested in accordance with ANSI/ASHRAE Standard 171-2017, AC-156, and AS1170.0.



## 4 Point Plates \*

High seismic load requirements and prying actions often result in larger anchor requirements than the structure will allow. Large anchors often have both embedment and installation issues.

The 4-point plates allow loads to be distributed across several smaller anchors while maintaining recommended seismic distances between anchors. These plates have been extensively tested for cyclical seismic loads. The load path is directed through the centre of the plate to maximise load capacity. The plate is manufactured from one solid piece of 10mm steel eliminating weaknesses created by joints.

The 4 Point Plates are tested in accordance with ANSI/ASHRAE Standard 171-2017, AC-156, and AS1170.0.



## Seismic Beam Clamps \*

With the highest seismic load ratings of any beam clamp on the market the PM-T50 Seismic Beam Clamp has been specifically developed for demanding bracing applications. The PM-T50 Seismic Beam Clamp has been tested in accordance with ANSI/ASHRAE Standard 171-2017, Method of Testing for Rating Seismic and Wind Restraints.

- Designed to eliminate drilling in to structural steel on construction sites
- Strong - Machined from high tensile solid steel bar for superior strength
- High load rating - LRFD over 2200 kg at 45°. Tested in accordance with ANSI/ASHRAE Standard 171-2017
- Tip embedment - The bolt tip is designed to embed into the structural steel to prevent slipping
- Roughened surface - The horizontal roughness of the saw tooth jaw maximises grip to the beam
- Torque bolt head - Snaps off once optimal torque is achieved to allow easy visual inspection
- Adaptable installation - 0-90° attachment range



\* Non Gripple product. Supplied directly by Polyplas International.

# Engineering Services

As well as offering a fully tested and certified seismic bracing product range available, Polyplas International is also able to supply a comprehensive range of technical services for seismic applications serving the Australian and New Zealand markets.

Our certified Engineering function provides the most complete, end to end service for all non-structural seismic bracing requirements across the construction market.

Project estimates can be provided based on an initial assessment of the scope of works based on the non-structural services involved at no charge.

Seismic designs and specifications are then calculated based on site and location specific seismic specifications such as building importance and service type. This is then presented as detailed engineered drawings detailing the type of brace required in all relevant locations.

This dedicated resource allows us to confidently say that Gripple seismic bracing solutions are the most cost effective, fully certified, industry proven non-structural restraints.

## The following Technical Services can be provided:

- Engineered seismic bracing calculations
- Detailed engineer's drawings indicating the type and location of seismic bracing points
- On-site installation training
- Completion and inspection services by an authorised representative
- Standard and retrofit seismic bracing installation alternatives
- Seismic consulting services
- Project estimates for seismic restraints
- Seismic surveys and on-site support
- Building Information Modeling (BIM) Finite Element Analysis (FEA) software
- Clash detection
- Specific product design

“The process was simple, we provided the drawings, they gave us back the seismic restraint design... and we implemented it.”

*Mick, Project Manager*

# Seismic Bracing System Codes

How to work out your unique product code

**1 CHOOSE YOUR KIT SIZE**

					
GS9	GS10	GS11	GS12	GS19	GS25

**2 CHOOSE YOUR CABLE LENGTH (M) – 3M unless otherwise stated**

1M	2M	3M	4M	5M	6M	7M	8M	9M	10M
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**3 CHOOSE YOUR END FITTING**

<b>E - (45 EYELET)</b>	<b>V - Bracket</b>	<b>C - Closed Bracket</b>	<b>PL - 4 Point Plate</b>
GS9, 10, 11, 12 For use with M8 Anchor	GS11, 12, 19, 25 Anchors: M8, M10, M12, M16	GS19, GS25 M8, M10, M12, M16, M20, M24	GS19, GS25 Anchors: M10, M12

**CHOOSE YOUR LOOSE BRACKET**

<b>H - Small Retro</b> (To suit M8, M10)	<b>O - Open Bracket</b> (M12, M16, M20, M24)
---	---

**CHOOSE YOUR ANCHOR SIZE (MM)**

8	10	12	16	20	24
---	----	----	----	----	----

Enter your unique product code (e.g. **GS12-3M-E-H-10**):

<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>
KIT SIZE		CABLE LENGTH		END FITTING	LOOSE BRACKET	ANCHOR SIZE

Note: For GS25 braces, anchor size for PL, O, or C brackets must also be specified.

All seismic braces are engineered for the specific installation. A suitable anchor has to be supplied with the brace. Please speak to your local Area Manager for further information.

**ANCHOR OPTIONS**

C1 ANCHOR BOLT	C2 ANCHOR BOLT	STEEL BOLT	CONCRETE SCREW	COACH SCREW	PM T50 SEISMIC BEAM CLAMP
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For further product information please call **03 9754 0333** or visit our website [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au) for further details.

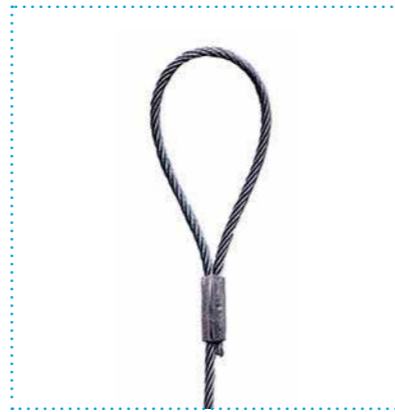


## End Fixings

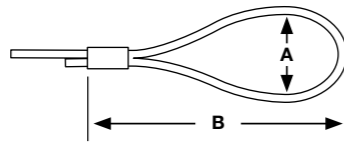
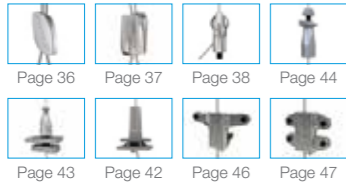
Loop & Stud .....	72	Karabiner & C-Clip .....	80
Toggle & Snap Hook .....	73	Shot Fire & Channel Nut .....	81
Mini Hook & Top Cone .....	74	Decking Wedge & Purlin Bracket .	82
Barrel & Top Hat .....	75	Disc End Standard &	
M6 Hex Standard & Eyelet .....	76	M10 Eynut Standard .....	83
45° Eyelet & 90° Eyelet .....	77	M10/M12 Eyebolt &	
Tie Wire Spike & Ring Anchor .....	78	M8/M10/M12 Eynuts .....	84
Ceiling Anchor & End Stop .....	79	Spider – Metal Deck,	
		Spider – Wood Form .....	85

## Loop

- Hanger using a non-invasive, simple, choke knot technique
- No need for nuts, bolts, clamps or other accessories
- Available up to 325 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Available in stainless steel



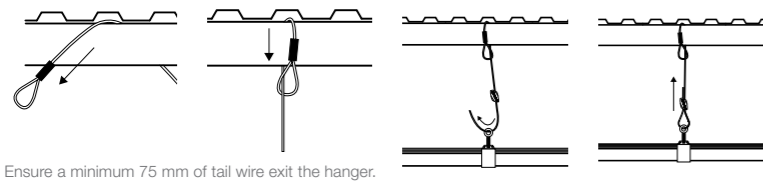
### Available Hangers



Size (SWL)	A (mm) Indicative	B (mm) Indicative
No. 1 (0 - 10 kg)	30	60
No. 2 (10 - 45 kg)	30	60
No. 3 (45 - 90 kg)	25	60
No. 4 (90 - 225 kg)	45	85
No. 5 (225 - 325 kg)	45	90

Product Code: LG

### Installation



Ensure a minimum 75 mm of tail wire exit the hanger.

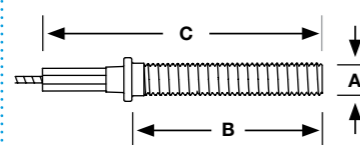
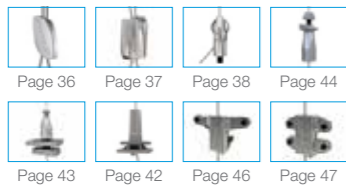
Install fixings in accordance with manufacturer's specifications.

## Stud

- Supplied with Drop-in Anchors (as standard) or nuts as required
- Available in M6, M8 and M10, up to 225 kg SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request
- Also available in stainless steel and fire rated kits with Trapeze Plus FR No. 3
- Fire rated version available



### Available Hangers



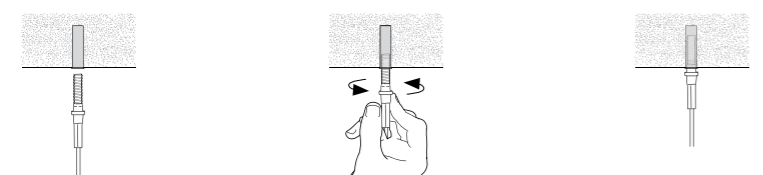
Size	A (Ø)	B (mm)	C (mm)
No. 1* (0 - 10 kg)	M6	20	48
No. 2 (10 - 45 kg)	M6	20	48
	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70
	M10	45	77
No. 4* (90 - 225 kg)	M10	45	77

Product Code: S8G

Stud available in M6, M8 and M10  
Please substitute the number for size required.

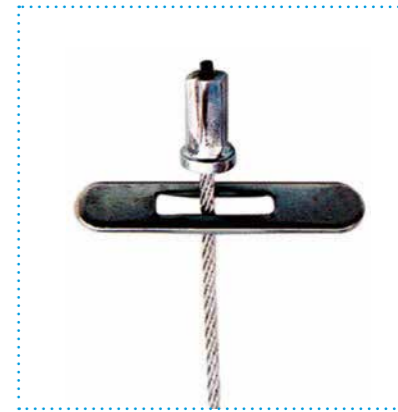
Install fixings in accordance with manufacturer's specifications.  
\*No. 1 & No. 4 not available in Stainless Steel

### Installation

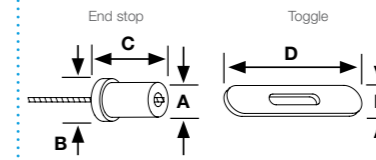
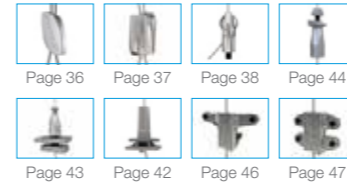


## Toggle

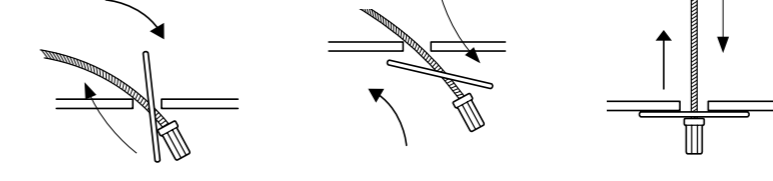
- Ideal when used as a Y-Fit to suspend lighting
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a complete kit with Gripple wire rope and hanger
- Available in stainless steel



### Available Hangers



### Installation



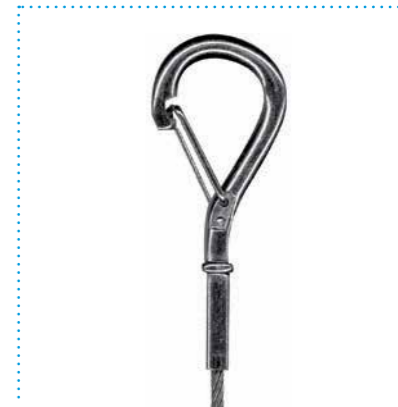
Size (SWL)	A (Ø)	B (Ø)	C (mm)	D (mm)	E (mm)
No. 1 (0 - 10 kg)	4.2	5.9	8	40	5.8
No. 2 (10 - 45 kg)	6.2	7.9	12	40	7.8
No. 3 (45 - 90 kg)	6.2	9.9	18	40	9.7

Product Code: TG

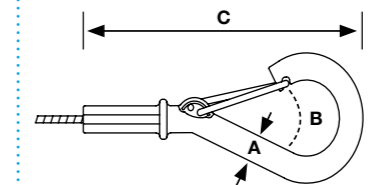
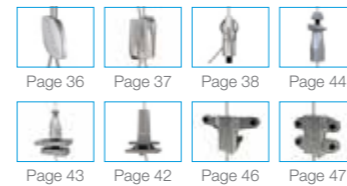
Install fixings in accordance with manufacturer's specifications.

## Snap Hook

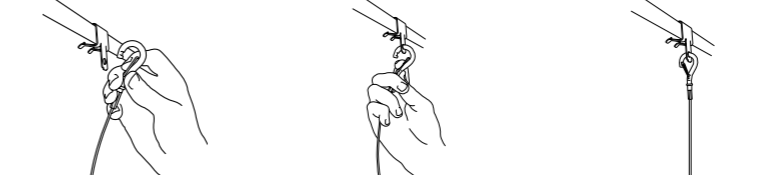
- Quick and easy attachment to cable basket, purlin clips, light fittings
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request



### Available Hangers



### Installation



Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6.3	7	75
No. 2 (10 - 45 kg)	6.3	7	75
No. 3 (45 - 90 kg)	6.3	7	75

Product Code: HG

Install fixings in accordance with manufacturer's specifications.

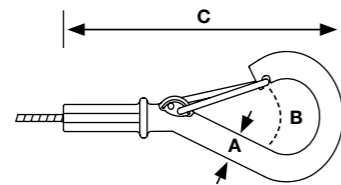
## Mini Hook

- Ideal for services that require access or maintenance, such as cable tray and cable basket, especially when used as a Y-Fit
- Available up to 15 kg SWL, with a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Standard lengths 1 m - 10 m
- Other lengths are available upon request

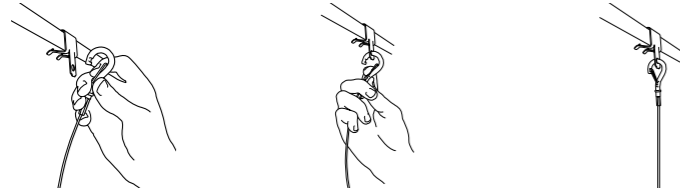
### Available Hangers



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### Installation



Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 15 kg)	4.5	5	55

Product Code: MHG

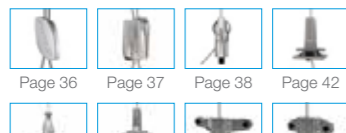
Install fixings in accordance with manufacturer's specifications.

## Top Cone/Top Round

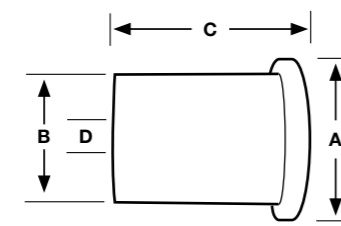
- Aesthetic fixing for use with a wide range of Gripple hangers
- Ideal when lighting/services are exposed
- Available up to 45 kg SWL with up to a 5:1 safety factor
- Two part construction for fast installation with a  $\varnothing 7.0$  mm attachment hole suitable for concrete or twelve gauge timber screws
- Supplied as a ready-to-use kit with wire rope and Gripple hanger

\* Non Gripple product. Supplied directly by Polyplas International.

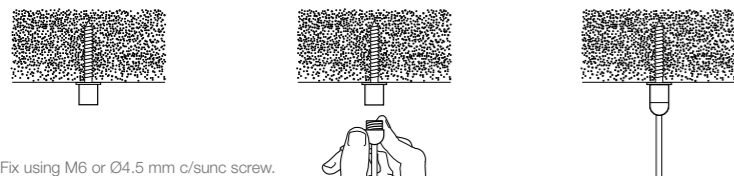
### Available Hangers



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### Installation



Fix using M6 or  $\varnothing 4.5$  mm c/sunc screw.



Size	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 10 kg)	20	11.5	20	6.8
No. 2 (10 - 45 kg)	20	11.5	20	6.8

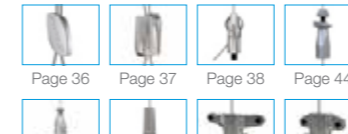
Product Code: CNE (Cone)  
Product Code: RND (Round)

Install fixings in accordance with manufacturer's specifications.

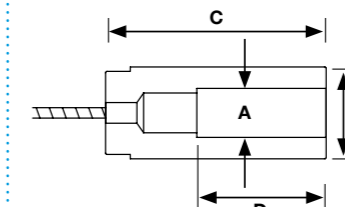
## Barrel

- Ideal for use on signage, or exposed services, such as retail and office environments
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m

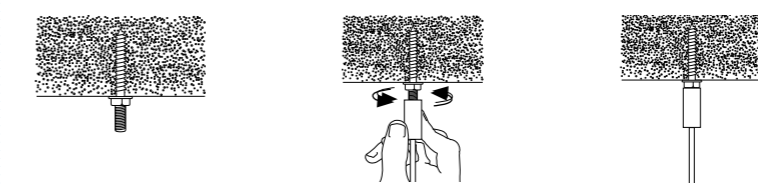
### Available Hangers



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### Installation



Size (SWL)	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 10 kg)	M6	12	45	26
No. 2 (10 - 45 kg)	M6 and M8	12	45	26
No. 3 (45 - 90 kg)	M8	12	45	26

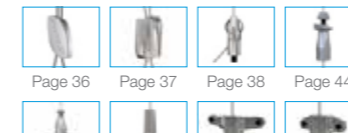
Product Code: B6G  
Product Code: B8G

Install fixings in accordance with manufacturer's specifications.

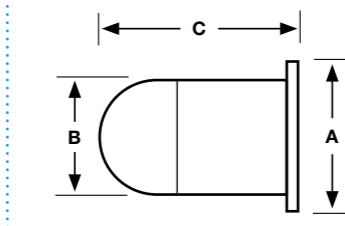
## Top Hat

- Aesthetic fixing for use with a wide range of Gripple hangers
- Ideal when lighting/services are exposed
- Available up to 45 kg SWL with up to a 5:1 safety factor
- Two part construction for fast installation using M6 or  $\varnothing 4.5$  mm c/sunc screws
- Supplied as a ready-to-use kit with Gripple wire rope and hanger

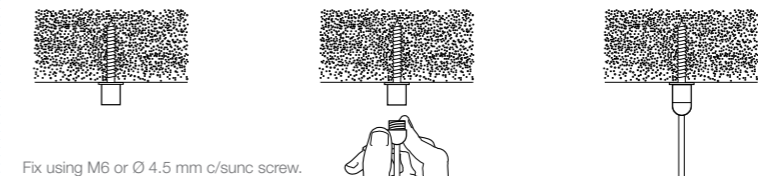
### Available Hangers



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### Installation



Fix using M6 or  $\varnothing 4.5$  mm c/sunc screw.



Size (SWL)	A (mm)	B (mm)	D (mm)
No. 1 (0 - 10 kg)	18	14	26
No. 2 (10 - 45 kg)	18	14	26

Product Code: BB6








Install fixings in accordance with manufacturer's specifications.

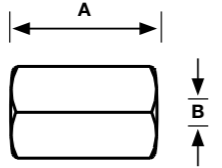
# M6 Hex Standard

- For direct attachment to an M6 thread
- Can be installed vertically or horizontally
- Easily removable
- Ideal for use with M6 cracked concrete anchor

\* Non Gripple product. Supplied directly by Polyplas International.

**Available Hangers**

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Size	A (mm)	B (mm)
No. 1 (0 - 10 kg)	16	M6
No. 2 (10 - 45 kg)	16	M6
<b>Product Code:</b>		<b>HX6</b>








Install fixings in accordance with manufacturer's specifications.

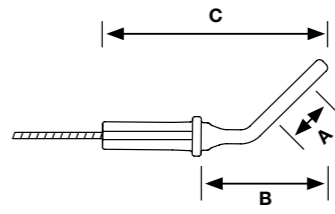
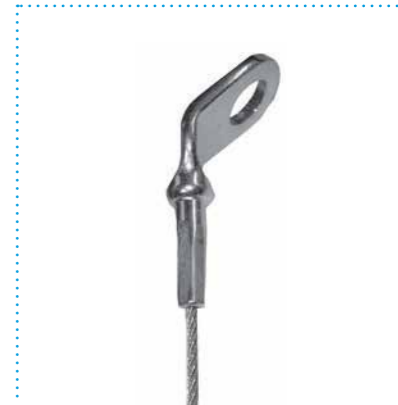
**Installation**

# 45° Eyelet

- Ideal for use in bracing applications
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger

**Available Hangers**

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Size (SWL)	A (mm)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	11.2	29	52
No. 3 (45 - 90 kg)	11.2	29	52
<b>Product Code:</b>		<b>EY45</b>	








Install fixings in accordance with manufacturer's specifications.

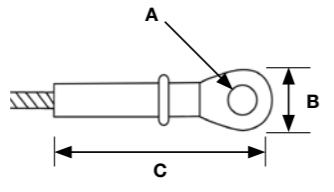
**Installation**

# Eyelet

- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Fire rated version available

**Available Hangers**

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Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6.2	7.7	12
No. 2 (10 - 45 kg)	6.2	7.7	12
No. 3 (45 - 90 kg)	6.2	9.7	18
<b>Product Code:</b>		<b>EY6G</b>	








Install fixings in accordance with manufacturer's specifications.

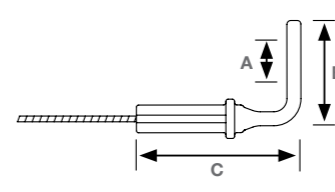
**Installation**

# 90° Eyelet

- Ideal for use with Gripple concrete screws for direct soffit mounting
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Fire rated version available

**Available Hangers**

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Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	7.5	25	38
No. 2 (10 - 45 kg)	7.5	25	38
No. 3 (45 - 90 kg)	7.5	25	38
<b>Product Code:</b>		<b>EY90</b>	

Install fixings in accordance with manufacturer's specifications.

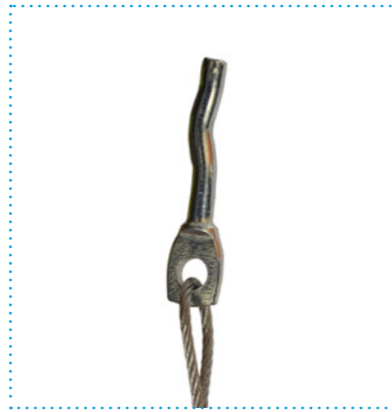
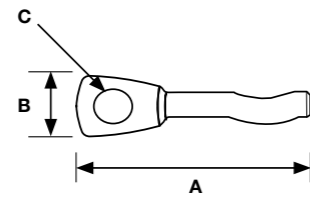
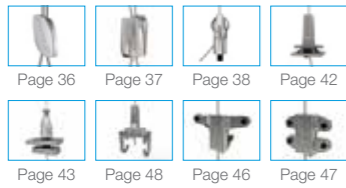
**Installation**

## Tie Wire Spike

- Only requires a small, 5 mm hole for installation
- Comes as a ready-to-use kit with wire rope and Gripple hanger
- Available in lengths from 1 - 10 m
- Other lengths are available on request
- For use up to 90 kg

\* Non Gripple product. Supplied directly by Polyplas International.

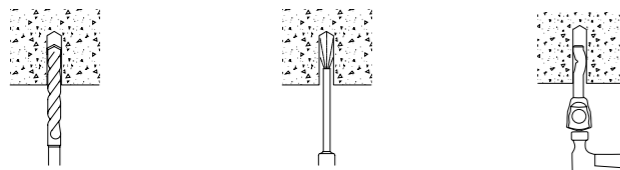
### Available Hangers



Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	45	10	5.5
No. 2 (10 - 45 kg)	45	10	5.5
No. 3 (45 - 90 kg)	45	10	5.5
Product Code:	TW		

Install fixings in accordance with manufacturer's specifications.

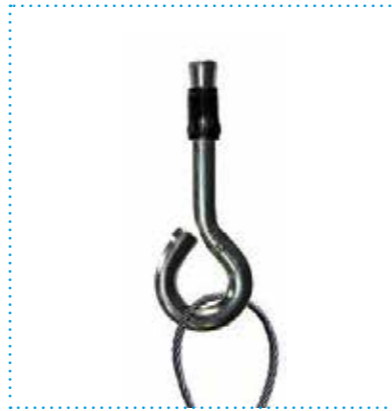
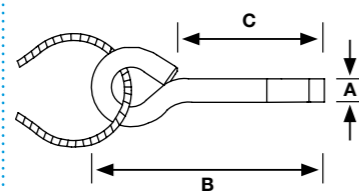
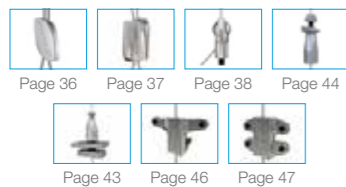
### Installation



## Ring Anchor

- Ideal for fixing into non-cracked and cracked concrete
- Shallow anchorage depth of 25 mm
- Available up to 45 kg SWL, with a 3:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request

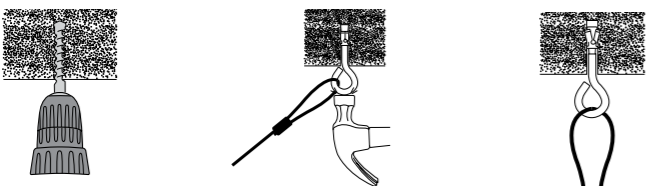
### Available Hangers



Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6	54	35
No. 2 (10 - 45 kg)	6	54	35
Product Code:	RAG		

Install fixings in accordance with manufacturer's specifications.

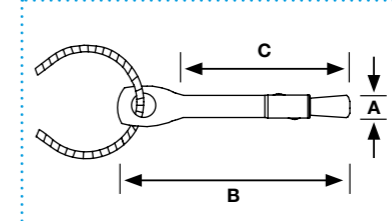
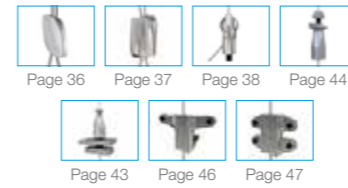
### Installation



## Ceiling Anchor

- Ideal for fixing Gripple hangers into concrete
- Knock into a pre-drilled hole, pull with a claw hammer to set
- Available up to 45 kg SWL, with a 3:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request

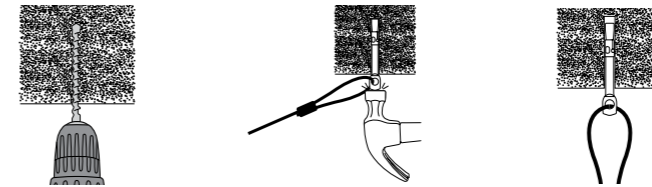
### Available Hangers



Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6	65	50
No. 2 (10 - 45 kg)	6	65	50
Product Code:	CAG		

Install fixings in accordance with manufacturer's specifications.

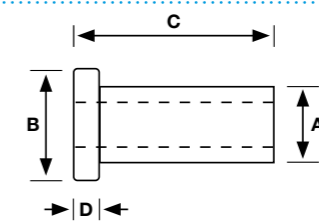
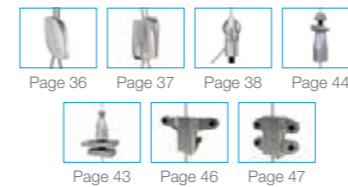
### Installation



## End Stop

- Simple, fast installation for extruded profiles
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a complete kit with Gripple wire rope and hanger
- For use with No.1 - No. 3 Gripple hangers

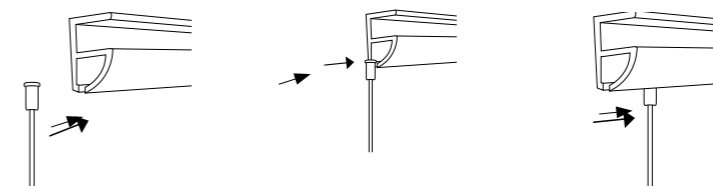
### Available Hangers



Size (SWL)	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 10 kg)	4.2	5.7	9	2
No. 2 (10 - 45 kg)	6.2	7.8	13.8	2
No. 3 (45 - 90 kg)	6.2	9.8	19	2.8
Product Code:	EG			

Install fixings in accordance with manufacturer's specifications.

### Installation

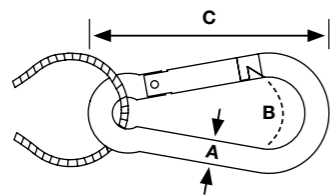
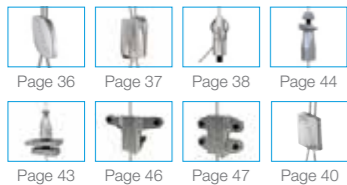




# Karabiner

- Provides 9 mm clearance
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request
- Available in stainless steel for Fire rated Hanger (Page 40)

### Available Hangers



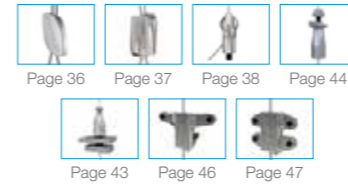
Size (SWL)	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6	10	60
No. 2 (10 - 45 kg)	6	10	60
No. 3 (45 - 90 kg)	8	10	80
Product Code:	KG		

Install fixings in accordance with manufacturer's specifications.

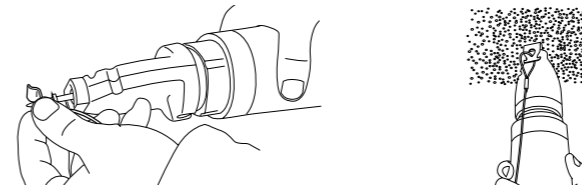
# Shot Fire

- Six times faster than traditional methods (drilling and anchoring)
- Can be used with gas and powder fastening tools
- Quick and easy fastening solution
- Supplied as a ready-to-use kit
- Available in two sizes up to 45 kg load
- Available in lengths from 1 to 3 m (other lengths available on request)

### Available Hangers



### Installation



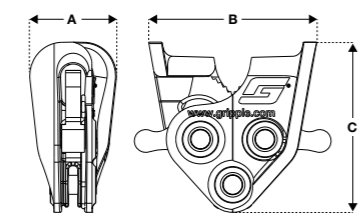
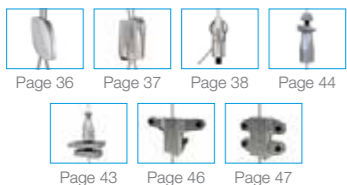
Nail Length (mm)	Tool Required
16	DX 351 or DX2
22	DX 351 or DX2
27	DX 351 or DX2
N/A Requires B3 MX Cartridges	BX 3-ME
Product Code:	SHOT25

For use with Hilti Direct Fastening tools.  
Install fixings in accordance with manufacturer's specifications.

# C-Clip

- Up to 10 times faster to install
- Allows horizontal and vertical adjustment
- Cams lock solidly in place even at angles up to 60°
- 3 mm and 6 mm versions available
- Available up to 45 kg SWL with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Can be retrofitted
- One handed installation, no tools required
- Designed for use with Gripple Catenary Kits

### Available Hangers



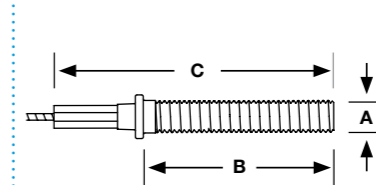
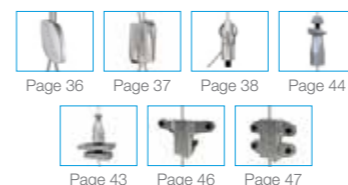
Size	A (mm)	B (mm)	C (mm)
3 mm C-Clip	12	26	33
6 mm C-Clip	23	45	45
Product Code:	CC3		
Product Code:	CC6		

Install fixings in accordance with manufacturer's specifications.

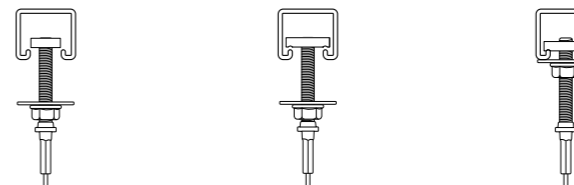
# Channel Nut

- Fast to install
- Pre-assembled and ready-to-insert
- Fits directly into the channel
- Available up to 90 kg SWL with up to a 5:1 safety factor
- Fits both 41 x 41 and 41 x 21 channel
- Ideal for common rail installations
- Ideal for multi-tier installations
- No additional components required

### Available Hangers



### Installation



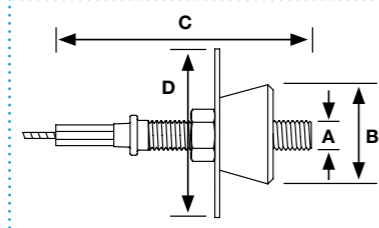
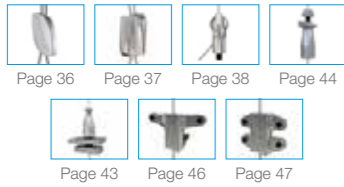
Size (SWL)	A (Ø)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70
Product Code:	CN8G		

Install fixings in accordance with manufacturer's specifications.

## Decking Wedge

- 25 mm version designed for use with SMD R51, Comflor 51, Holorib, Multideck 50 and Metfloor 55
- 18 mm version designed for use with Ribdeck S60 and Ribdeck 80
- Available up to 90 kg SWL
- Available in 18 mm and 25 mm sizes
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Other lengths are available on request
- No need for drilling, specialist tools or skills

### Available Hangers



### 25 mm Wedge

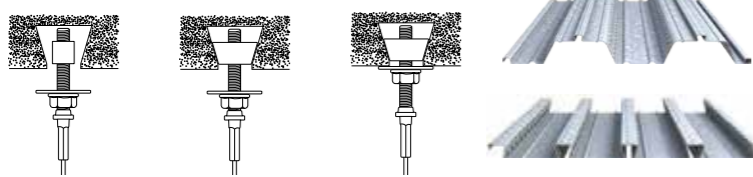
Size (SWL)	A (Ø)	B (mm)	C (mm)	D (mm)
No. 2 (0 - 45 kg)	M8	25	70	40
No. 3 (45 - 90 kg)	M8	25	70	40
Product Code:		DW258G		

### 18 mm Wedge

Size (SWL)	A Ø	B (mm)	C (mm)	D (mm)
No. 2 (0 - 45 kg)	M8	18	70	40
Product Code:		DW188G		

Install fixings in accordance with manufacturer's specifications.

### Installation

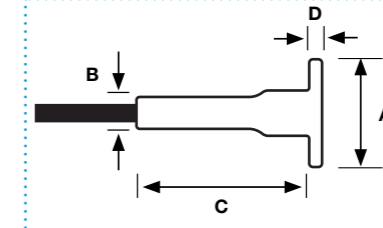
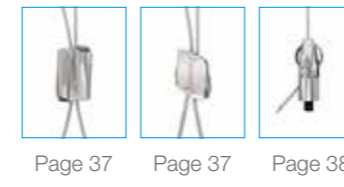


## Disc End Standard

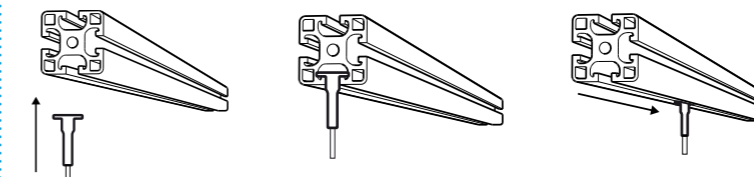
- Ideal for lighting suspensions
- Designed for use with channel, extrusions and for suspending lighting
- Available with 1.2 mm, 1.5 mm and 2 mm wire
- Can also be used on Y-Fit legs as a balanced solution for lighting and channel suspensions

\* Non Gripple product. Supplied directly by Polyplas International.

### Available Hangers



### Installation



Size	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 10 kg)	9.5	4.3	10	1.3
No. 1 (0 - 10 kg)	9.5	4.3	12.5	1.3
No. 2 (0 - 45 kg)	10	4.3	15	1.5
Product Code:		EF		

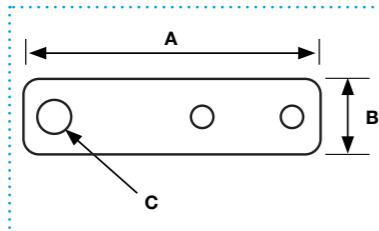
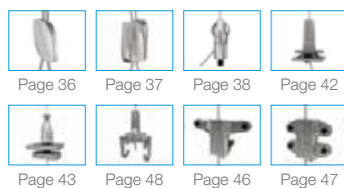
Install fixings in accordance with manufacturer's specifications.

## Purlin Bracket

- Suitable for direct attachment to a ducting, wood, steel or concrete
- Simple and secure two screw installation
- Ideal for use with the snap hook end fixing
- Suitable to use as a purlin support for cat wire spans

\* Non Gripple product. Supplied directly by Polyplas International.

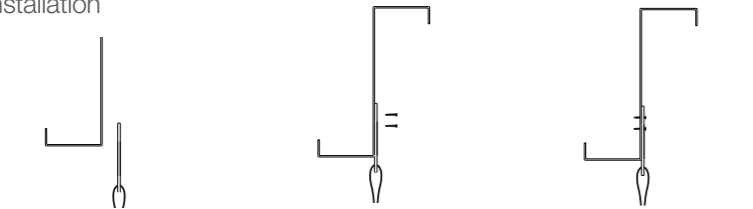
### Available Hangers



Size	A (mm)	B (mm)	C Ø (mm)
No. 2 (0 - 45 kg)	80	20	8
No. 3 (45 - 90 kg)	80	20	8
Product Code:		PBH	

Install fixings in accordance with manufacturer's specifications.

### Installation

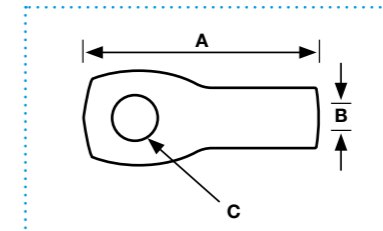
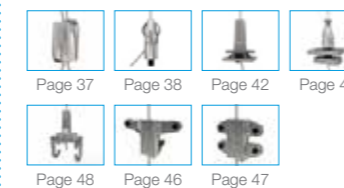


## M10 Eynut Standard

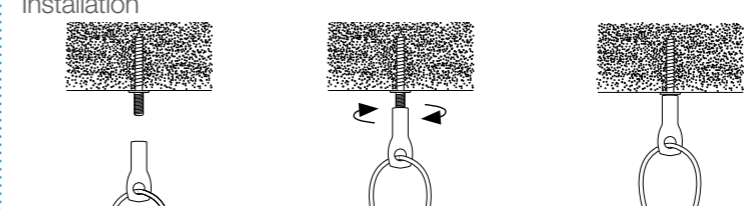
- Ideal for use with M10 threaded rod
- Internal M10 thread
- Can be installed vertically or horizontally

\* Non Gripple product. Supplied directly by Polyplas International.

### Available Hangers



### Installation



Size	A (mm)	B (mm)	C Ø (mm)
No. 2 (0 - 45 kg)	51	M10	10
No. 3 (45 - 90 kg)	51	M10	10
Product Code:		TW10	

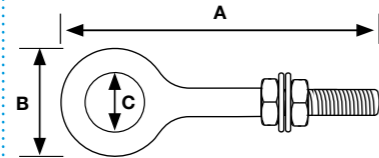
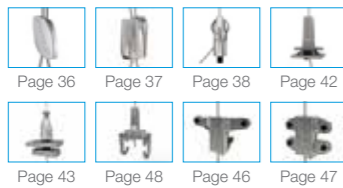
Install fixings in accordance with manufacturer's specifications.

## M10/M12 Eyebolt

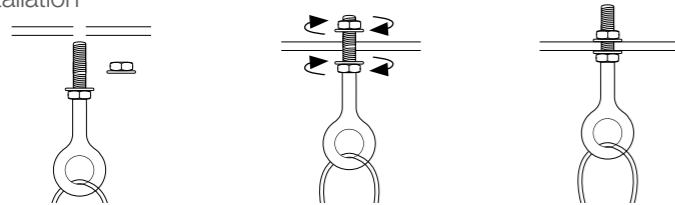
- Suitable for direct attachment to a purlin or metal fixing point
- Ideal for use as a part of a catenary system
- Can be supplied swaged or loose
- Available in M10 and M12 variants
- Forged for ultimate strength
- Also available in stainless steel

\* Non Gripple product. Supplied directly by Polyplas International.

### Available Hangers



### Installation



A (mm)	B (mm)	C (mm)
<b>M10 Short</b>		
45	45	25
Product Code: E10		
<b>M10 Long</b>		
103	25	12.5
Product Code: EB10-65		
<b>M12 Short</b>		
80	54	30
Product Code: EB12		
<b>M12 Long</b>		
148	50	25
Product Code: EB12-95		

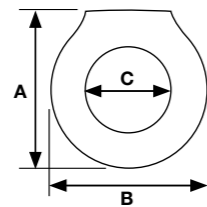
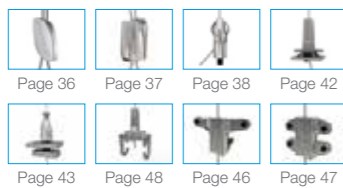
Install fixings in accordance with manufacturer's specifications.

## M8/M10/M12 Eyenuts

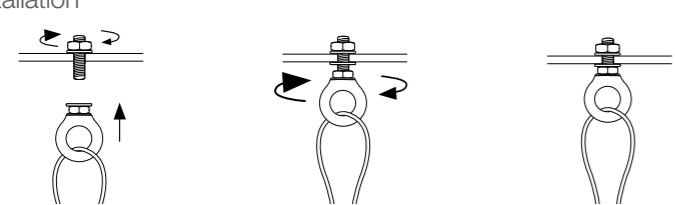
- Ideal for use as a part of a catenary system
- Industry rated eyenut
- Forged for ultimate strength
- Available in variants to accept M8, M10, and M12

\* Non Gripple product. Supplied directly by Polyplas International.

### Available Hangers



### Installation



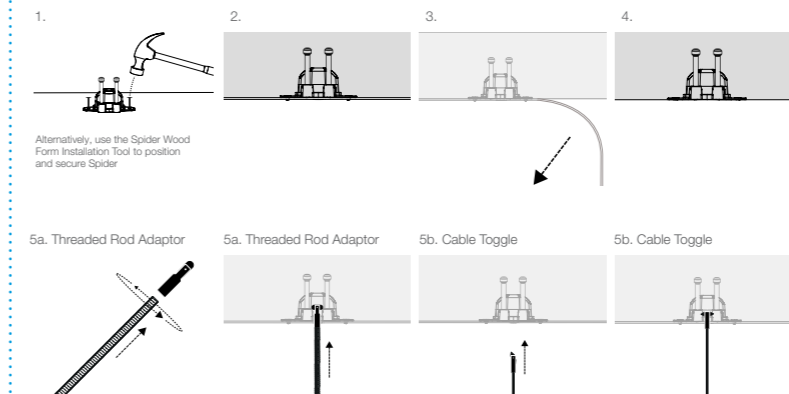
<b>M8</b>		
A (mm)	B (mm)	C (mm)
36	36	20
Product Code: M8EN		
<b>M10</b>		
A (mm)	B (mm)	C (mm)
45	45	25
Product Code: M10EN		
<b>M12</b>		
A (mm)	B (mm)	C (mm)
53	54	30
Product Code: M12EN		

Install fixings in accordance with manufacturer's specifications.

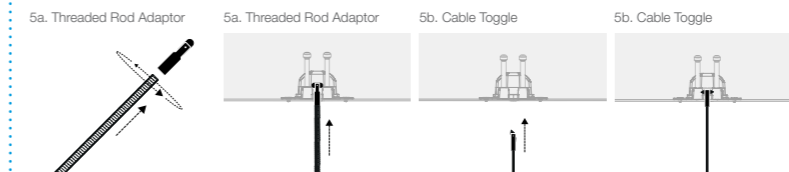
## Spider - Wood Form

- Specifically designed to pre-install anchor points prior to the concrete being poured on wood form
- Option on rod size or cable size can be made after the slab is poured
- one insert accommodates rod sizes from 10 mm to 3/4", as well as No.2 – No.5 swivel toggle cable kits
- allows the specification and stocking of one insert for all requirements, simplifying procurement through to installation
- Below deck install saves time due to swivel toggle technology on both cable and rod attachments.

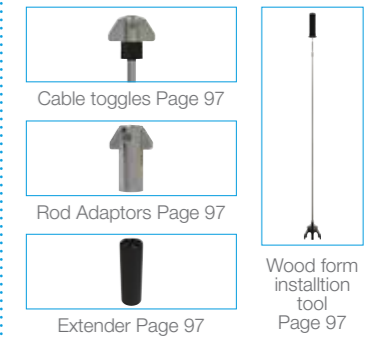
### Installation



Alternatively, use the Spider Wood Form Installation Tool to position and secure Spider



### Available Accessories



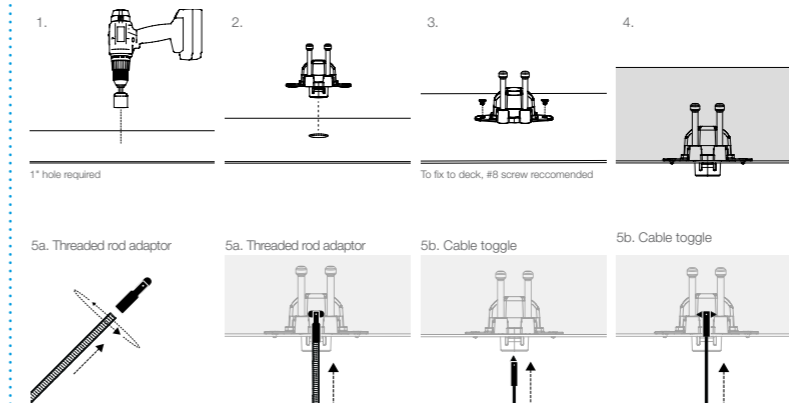
Product Code: SX-WF

Install fixings in accordance with manufacturer's specifications.

## Spider - Metal Deck

- Specifically designed to pre-install anchor points prior to the concrete being poured on metal Deck
- Option on rod size or cable size can be made after the slab is poured
- one insert accommodates rod sizes from 10 mm to 3/4", as well as No.2 – No.5 swivel toggle cable kits
- allows the specification and stocking of one insert for all requirements, simplifying procurement through to installation
- Below deck install saves time due to swivel toggle technology on both cable and rod attachments.

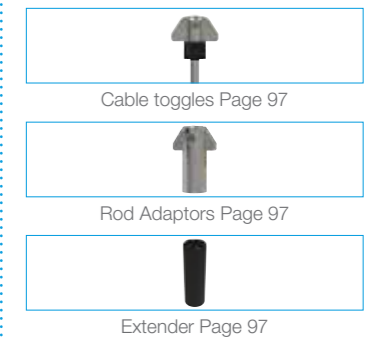
### Installation



1" hole required

To fix to deck, #8 screw recommended

### Available Accessories



Product Code: SX-MD

Install fixings in accordance with manufacturer's specifications.





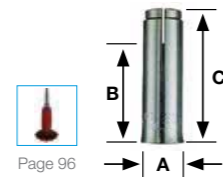
## Accessories

Anchoring Solutions .....	88	UniGrip & Hanger Accessories .....	94
Beams & Purlins .....	90	Fast Trak Accessories .....	95
Brackets & Attachments .....	91	Tools & Finishing Accessories .....	96
Adaptors .....	92	Spider Accessories .....	97

# Anchoring Solutions

## Drop-In Anchor

- Suitable for cracked and non-cracked concrete, precast hollow core concrete and hard natural stone
- Internal threaded anchor with flared end for easy setting
- Compliant with TS 101

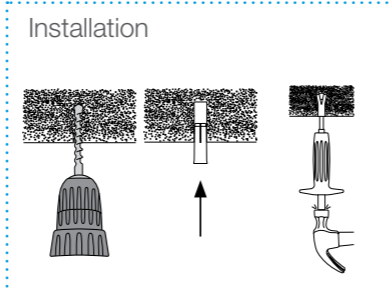


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3:1 Safety rating - load rating is dependant on base material

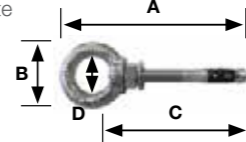
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Anchorage depth* (mm)	Quantity
DPA-M6	M6	13	25	140	8	27	25	10
DPA-M8	M8	12	30	185	10	33	30	10
DPA-M10	M10	15	40	290	12	43	40	10

\* For further information contact Polyplas International Technical Services



## M12 Concrete Catenary Anchor

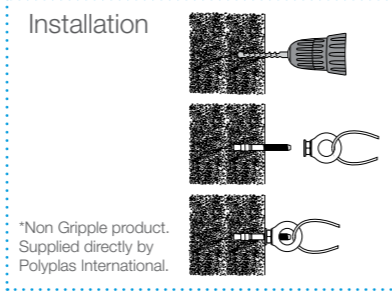
- Designed to provide a reliable catenary anchor into concrete
- Ideal for use as a part of a catenary system
- Industry rated anchor
- Self-expanding anchor
- Forged for ultimate strength



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C (mm)	D (mm)
CAT-ANC-M12	146	54	111	29.5

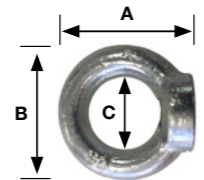
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Eyenuit - M8, M10, M12

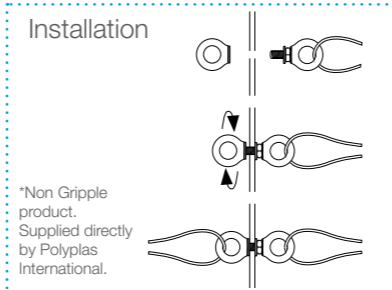
- Ideal for use as a part of a catenary system
- Industry rated eyenuit
- Forged for ultimate strength
- Available in variants to accept M8, M10, and M12



3:1 Safety rating - load rating is dependant on base material

Size	Product code	A (mm)	B (mm)	C (mm)
M8	EN8	36	36	20
M10	EN10	45	45	25
M12	EN12	53	54	30

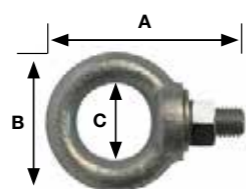
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Eyebolt - M10, M12

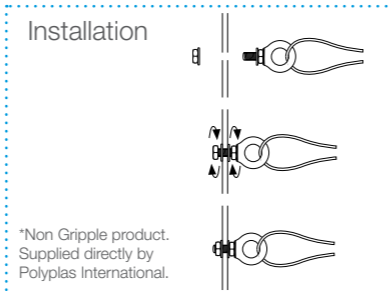
- Suitable for direct attachment to a purlin or metal fixing point
- Ideal for use as a part of a catenary system
- Can be supplied swaged or loose
- Available in M10 and M12 variants
- Forged for ultimate strength
- Also available in stainless steel



3:1 Safety rating - load rating is dependant on base material

Size	Product code	A (mm)	B (mm)	C (mm)
M10	EB10	62	45	25
M12	EB12	77	55	30

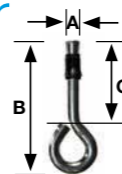
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Cracked Concrete Ring Anchor

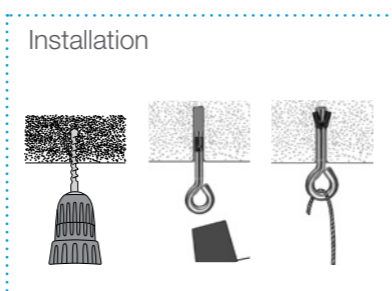
- Suitable for cracked and non cracked concrete
- Self-expanding anchor
- ETA approved
- Compliant with TS 101



3:1 Safety rating - load rating is dependant on base material

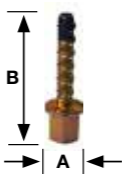
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
RAG	6	54	31	57	6	35	25	100

\* For further information contact Polyplas International Technical Services



## Vertigo Concrete

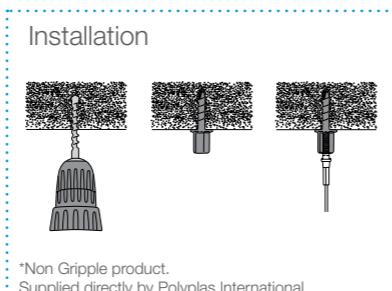
- Suitable for fitting directly in to concrete
- Insert threaded rod or stud directly
- Available in 6 mm, 8 mm, 10 mm
- Compliant with TS 101



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
VCV-6-32	13	49	6	N/A	39	32	100
VCV-10-38	13	55	10	N/A	45	38	100
VCV-10-54	18	76	10	N/A	64	36	100
VCV-12-54	18	76	12	N/A	64	36	100

\* For further information contact Polyplas International Technical Services

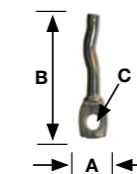


\*Non Gripple product. Supplied directly by Polyplas International.

# Anchoring Solutions Continued

## Tie Wire Spike

- For use with No 1 to No 3 wire up to 90 kg
- Suitable for cracked and non cracked concrete
- Self expanding anchor



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
TW	10	45	5.5	90	32	25	100
TW85	10	85	5.5	90	80	55	100

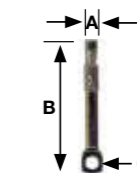
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Concrete Ceiling Anchor

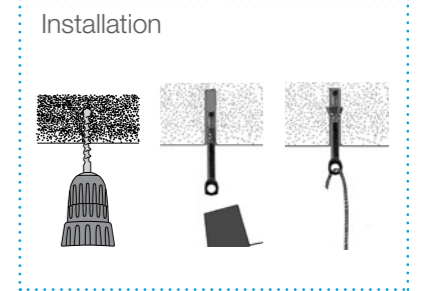
- Suitable for non-cracked concrete and hard natural stone
- Knock into a pre-drilled hole and pull with a claw hammer to set
- Ideal for use with the Standard Hanger (page 30)



3:1 Safety rating - load rating is dependant on base material

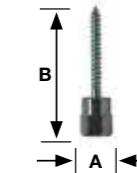
Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CAG	6	60	6.2	45	43	25	100
CAG120	6	135	6	45	43	25	100

\* For further information contact Polyplas International Technical Services



## Vertigo Wood

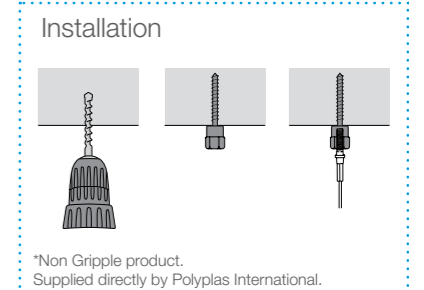
- Easy fit into wood with 6 mm, 8 mm & 10 mm variants
- Ideal for use with a stud end fixing



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
VWV-6-50	16	70	6	N/A	57	40	100
VWV-8-50	16	70	8	N/A	57	40	100
VWV-10-50	16	70	10	N/A	57	40	100
VWV-10-25	16	45	10	N/A	32	25	100

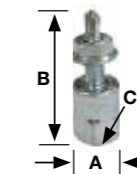
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Vertigo Steel

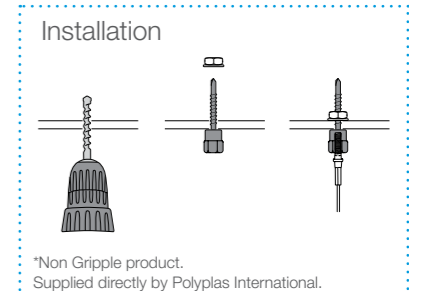
- Suitable for fitting directly in to the purlin
- Must be used with the nut provided
- Insert threaded rod or stud directly
- Available in 6 mm, 8 mm, 10 mm



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
VSV-6-25	16	45	6	N/A	Used with nut	Used with nut	100
VSV-8-25	16	45	8	N/A	Used with nut	Used with nut	100
VSV-10-25	16	45	10	N/A	Used with nut	Used with nut	100

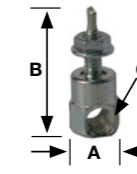
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

## Vertigo Steel Side

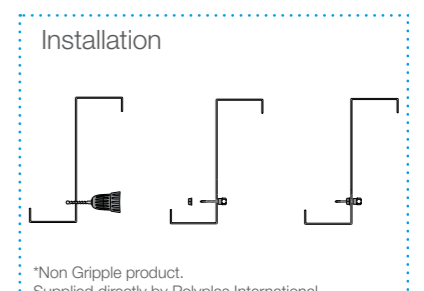
- Installed horizontally and provides a vertical suspension point
- Available in 6 mm, 8 mm, 10 mm



3:1 Safety rating - load rating is dependant on base material

Product code	A (mm)	B (mm)	C Ø (mm)	Max. SWL (kg)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
VSS-6-25	16	45	6	N/A	Used with nut	Used with nut	100
VSS-8-25	16	45	8	N/A	Used with nut	Used with nut	100
VSS-10-25	16	45	10	N/A	Used with nut	Used with nut	100

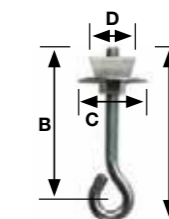
\* For further information contact Polyplas International Technical Services



\*Non Gripple product. Supplied directly by Polyplas International.

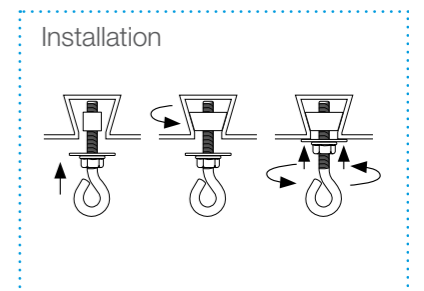
## M8 Decking Adaptors

- Ideal for use with the Y-Fit and Y-Fit Accessory (page 50)
- M8 thread with 12 mm diameter eye



3:1 Safety rating

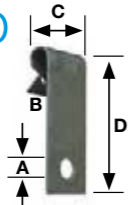
Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
ADP-M8-W25	96	80	18	25	90	10



# Beams & Purlins

## Vertical Flange Clip

- Hammer-on installation
- Two sizes available to suit 1 mm - 5 mm and 1 mm - 2.5 mm flange thickness
- Ideal for use with the Snap Hook End Fixing (page 73)

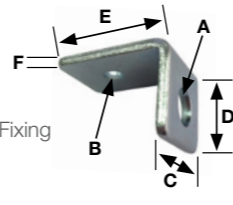


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
GCVF15	6.5	1-5	19	39	33	100
GCVF125	6.5	1-2.5	19	40	33	100

## Angle Bracket

- Multiple sizes to a range of application
- Available in up to 6 mm thickness
- Ideal for use with the Snap Hook End Fixing (page 73)



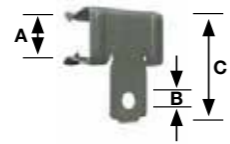
3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Max. SWL (kg)	Quantity
AB	8	4.5	18	20	28	2.5	45	NA
ABH	14	14	40	50	50	6	90	NA
ABS	5	5	22	27	27	-	-	NA

\*Non Gripple product.  
Supplied directly by Polyplas International.

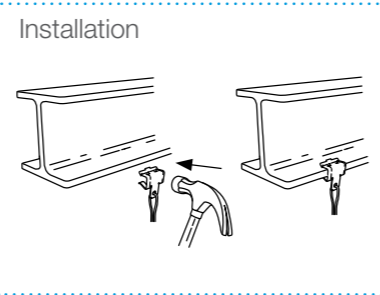
## Beam Clip

- Hammer-on installation
- Accommodates a wide variety of flange thicknesses
- Ideal for use with the Snap Hook End Fixing (page 73)



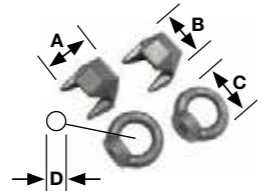
3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
GCB24	2-4	6.5	21	32	100
GCB59	5-9	6.5	23	43	100
GCB1016	10-16	6.5	29	43	100
GCB1720	17-20	6.5	34	43	100



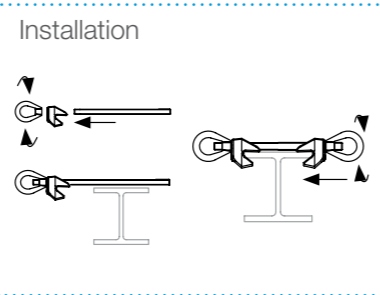
## GF Bracket

- Designed for clamping onto an I-Beam section
- Suitable from 6 mm - 19 mm flange thicknesses
- Use with M12 threaded rod (not supplied)
- Ideal for use with Catenary Kits (page 54)



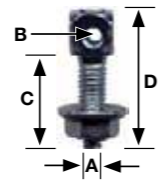
5:1 Safety rating

Product code	Beam Flange Thickness (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
GF12-EYENUT	6-13	46	47	55	30	340	1
GF16-EYENUT-12	8-16	62	62	55	30	340	1
GF20-EYENUT-12	10-19	75	75	55	30	340	1



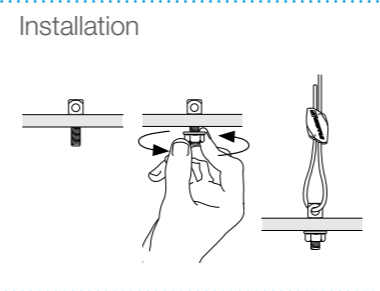
## M6 & M8 Adaptor

- Ideal for fixings to many services such as luminaires
- Can be fixed into concrete using the Drop-In Anchors (page 90)
- Supplied with nut



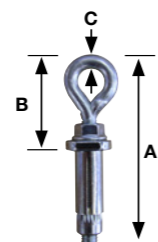
5:1 Safety rating - dependent on material

Product code	A Ø	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
M6A	M6	3.5	20	28	90	10
M8A	M8	5.5	25	37	225	10



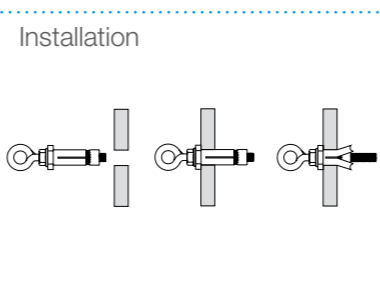
## Catenary Steel Anchor

- Designed for blind fixing where only one side of beam is accessible
- Accommodates wide range of steel thickness (3-22 mm)
- Fast install into a 14 mm hole with 13 mm and 19 mm spanners
- Ideal for use with Catenary Kits (page 54)



5:1 Safety rating - dependent on material

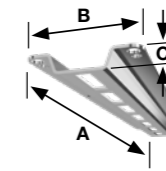
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
CSA	90	46	7	325	10



# Brackets & Attachments

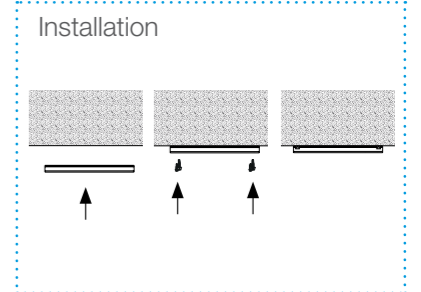
## Low Profile Bracket

- Can be bolted directly to soffit or wall
- No "Hot Works" permit required, eliminating the need for cutting channel on site, allowing more productive use of labour



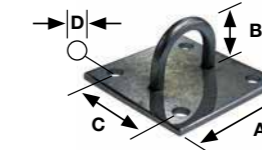
3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg) Between Fixings	Quantity
LPB180	180	78	14	45	10
LPB350	350	78	14	45	10
LPB650	650	78	14	45	10
LPB950	950	78	14	45	10
LPB1200	1200	78	14	45	10



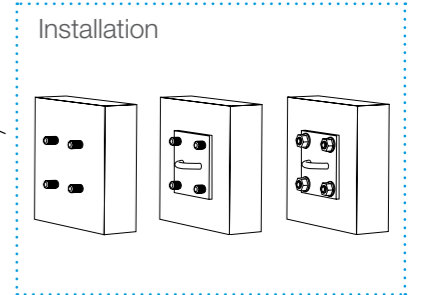
## Catenary Wall Bracket

- 100 mm x 100 mm back plate for concrete walls and wooden beams
- 4 x 11 mm diameter mounting holes
- 65 mm hole spacing
- 9 mm ring for easy wire rope attachment
- Zinc plated finish (minimum 5 µm)



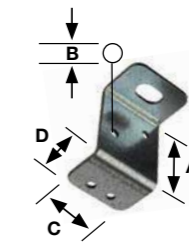
3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
CAT-BRACKET-100	100	45	65	11	340	10



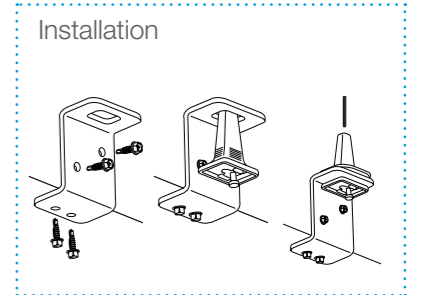
## Trapeze Bracket

- Easily attached to rectangular ducting
- Replaces the need for threaded rod or channel support
- Rigid 2 mm steel thickness with galvanised finish
- Conforms to DW144 best practice
- Use with the Trapeze (page 42)



3:1 Safety rating

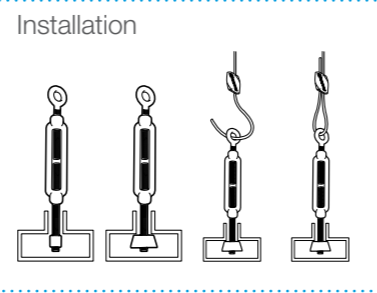
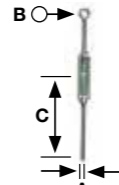
Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
TPZ-BRACKET	48	5.0	38.5	25.5	90	10



# Adaptors

## Turnbuckle

- Ideal for cold room panels
- One end with closed-eye/one end with straight threaded rod
- Forged for ultimate strength
- Use with the Standard Hanger (page 36)

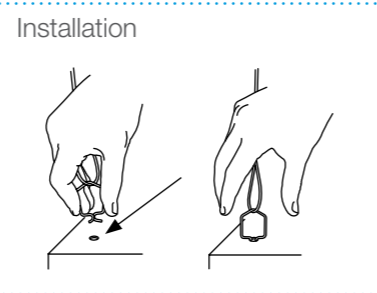
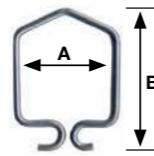


5:1 Safety rating - dependent on material

Product code	A Ø	B (mm)	C (mm)	Max. SWL (kg)	Quantity
TBK8-R200	M8	14	200	325	10
TBK10-R200	M10	14	200	325	10
TBK12-R200	M12	17	200	325	10

## Spring Clip

- Used for attaching to services such as trunking and lighting
- For 6 mm - 8 mm holes
- Ideal for use with the Standard Hanger (page 36)

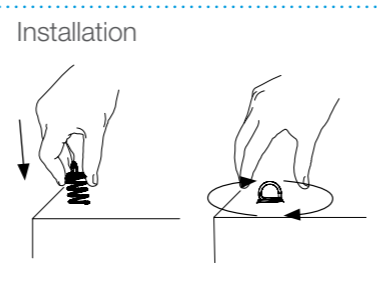
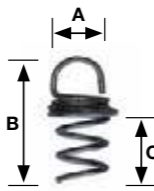


3:1 Safety rating - dependent on material thickness

Product code	A (mm)	B (mm)	Max. SWL (kg)	Quantity
CLIP-SPG-68	24	38	30	100

## Acoustic Spring Anchor

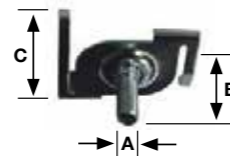
- Ideal for use with the Standard Hanger, Angel Hook or Express
- Available in standard (40 mm) and large size (70 mm) with 2 mm wire diameter
- No tools required for installation
- Sold as part of a kit
- Maximum load ratings will vary. Contact Technical Services for more information



Product code	A (mm)	B (mm)	C (mm)	Kit Quantity
ASA47	17	47	28	10
ASA97	27	97	72	10

## T-Bar Twist Clip

- Ideal for attaching to suspended ceilings
- Integral M6 thread
- Ideal for use with the Barrel End Fixing (page 75)
- Suitable for 25 mm T-Bar
- Available in white

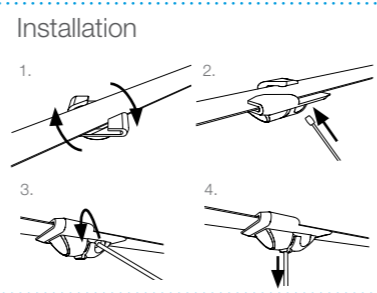
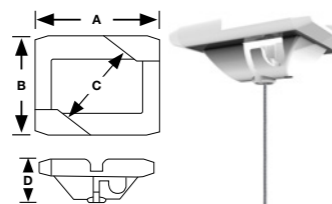


5:1 Safety rating

Product code	A Ø	B (mm)	C (mm)	Max. SWL (kg)	Quantity
TBAR-CLIP-M6	M6	16	25	22	100
TBAR-CLIP-M6-W	M6	16	25	22	100

## Twist Clip (White)

- Ideal for attaching to suspended ceilings
- Integral M6 thread
- Ideal for use with the Angel range (page 38)
- Suitable for 25 mm T-Bar
- Available in white

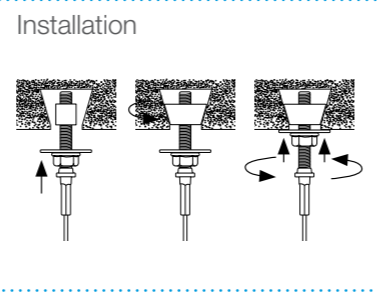
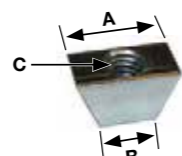


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Quantity
TTCW	40	32	24	24	10

## Wedge Nuts

- Ideal for use with the Stud End Fixing (page 72)
- Also supplied as a Decking Wedge End Fixing (page 82)
- Available in 18 mm and 25 mm sizes



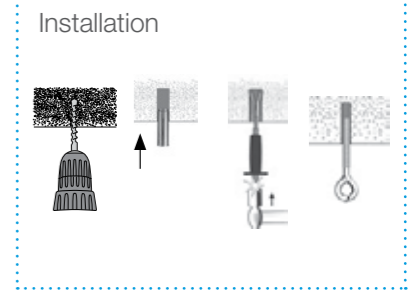
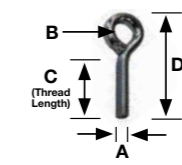
3:1 Safety rating

Product code	A	B (mm)	C Ø	Max. SWL (kg)	Quantity
WEDGE8-25	25	18	M8	200	10
WEDGE8-18	18	10	M8	200	10

# Adaptors Continue

## Eyebolt

- Forged for ultimate strength
- Ideal for suspending services with Standard Hangers (page 36)
- Available fully threaded or partially threaded
- Available in Stainless Steel

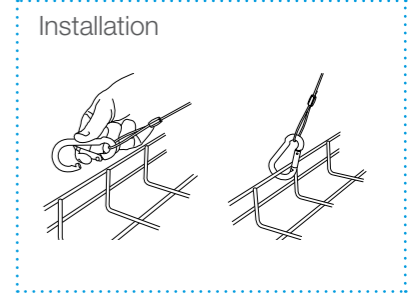
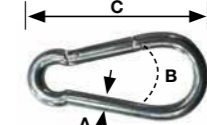


5:1 Safety rating

Product code	A Ø	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
EYEBOLT-M10-130MM-F/TH	M10	13	130	174	325	10
EYEBOLT-M10-200MM-98MM	M10	13	98	238	325	10
EYEBOLT-M10-0.2M-F/TH	M10	13	190	238	325	10
EYEBOLT-M12-95MM	M12	25	95	145	325	10

## Karabiner

- Versatile fixing, easy to attach and detach
- Available in Stainless steel



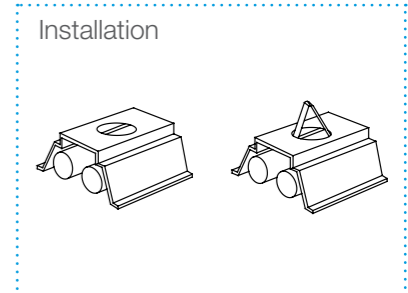
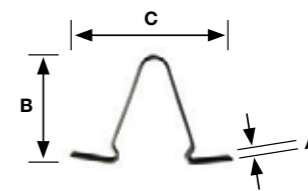
5:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
KARA-5-50	5	8	50	45	10
KARA-6-60	6	8	60	45	10
KARA-8-80	8	10	80	90	10

Product code (Stainless Steel)	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
KARA-5-50-S	5	8	50	45	10
KARA-6-60-S	6	8	60	45	10
KARA-8-80-S	8	10	80	90	10

## LSK Clip

- General purpose clip to support light fittings
- Steel with zinc plated finish

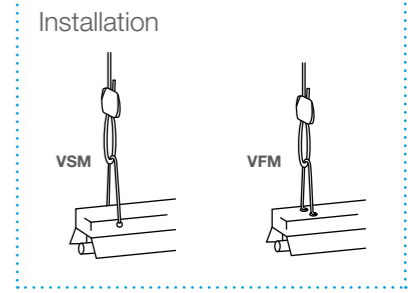
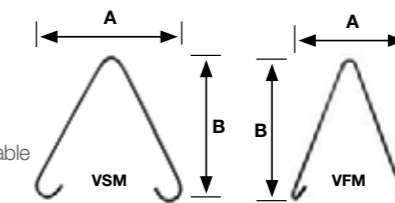


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
CLIP-LSK	8	35	51	3.8	100

## V-Bracket

- Attaches to the top of light fittings
- Easily fits into mounting holes
- Steel with zinc plated finish
- In-line or right angled mounting hooks available

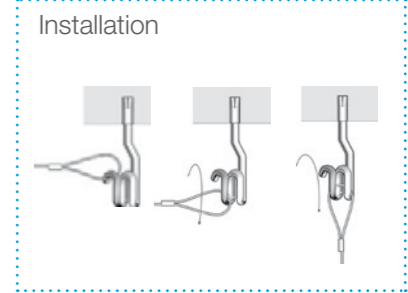
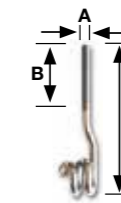


5:1 Safety rating

Product code	A (mm)	B (mm)	Max. SWL (kg)	Quantity
BRACKET-VSM	111	126	15	100
BRACKET-VFM	88	111	15	100

## Pigtail

- Fast and secure anchor suitable for use with the Loop End Fixing (page 72)
- Ideal for use with the Drop-In Anchor (page )
- Allows Loop to be removed for maintenance

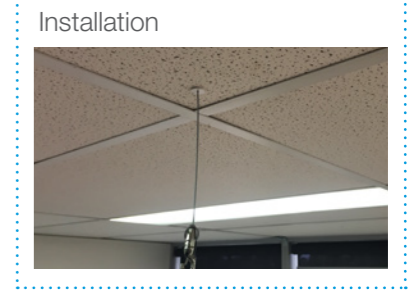


5:1 Safety rating - dependent on base material

Product code	A Ø	B (mm)	C (mm)	Max. SWL (kg)	Quantity
PIGTAIL6-20MM	M6	20	76	90	10
PIGTAIL6-45MM	M6	45	102	90	10
PIGTAIL8-45MM	M8	45	118	150	10

## Ceiling Tile Spacer

- Ideal for use in spaces with suspended ceilings
- Suitable for use on 1.5 mm and 2 mm wire rope
- Available in white, silver, black.
- Supplied with washer and nut to fix to ceiling tile.



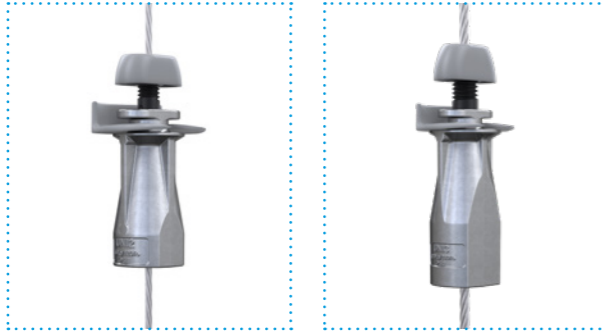
Please note this is not a load bearing product.

\* Non Grippler product. Supplied directly by Polyplas International.

## UniGrip & Hanger Accessories

### Standard No. 2 & 3

- Designed for non-mechanical fixing through brackets
- Supplied with retention clip for pre-fabrication applications
- Central wire exit



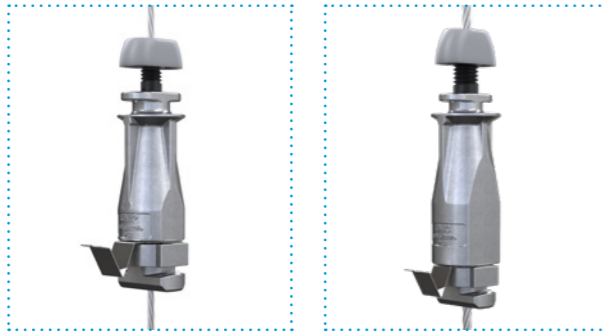
### Central Exit No. 2, 3 & 4

- Designed for services suspended with channel
- Supplied with either a square washer and channel nut or hex nut
- 25 mm male thread
- M8 (UniGrip No. 2), M10 (UniGrip No. 3) M12 (UniGrip No. 4)
- Central wire exit



### QT No. 2 & 3

- Designed for use with Gripple Universal Brackets
- Quarter turn installation, no mechanical fix required
- Safety dip for added security
- Central wire exit



### Butterfly Trapeze

Ideal for use with light ductwork. Combine Butterfly Trapeze as an accessory with any Trapeze kit for multi-tiered installations. Maximum load rating of 45 kg with a 5:1 safety factor.



### Duct Trapeze

Ideal for use with rectangular ductwork. Combine Duct Trapeze as an accessory with any Trapeze kit for multi-tiered installations. Maximum load rating of 45 kg with a 5:1 safety factor.



### Vibration Isolator

The Trapeze Vibration Isolator has been specifically developed to remove the effects of vibration on common Trapeze No.2 installations such as fan cooled units.



\*Non Gripple product. Supplied directly by Polyplas International.

## Fast Trak Accessories

### Conduit Clamp

Quarter turn attachment to Fast Trak brackets for quick installation of conduit.

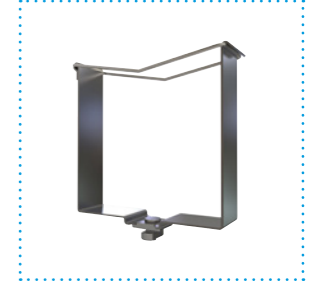
- No specialist tools required for installation
- Available in sizes from 12.5 mm up to 100 mm
- Supports rigid and EMT conduit
- Pre-assembled with nut and bolt



### Trunking Clamp

Quarter turn attachment to Fast Trak brackets for quick installation to trunking.

- No tools or additional fixings required
- Available in 4 sizes; 50 x 50 mm, 75 x 75 mm, 100 x 100 mm and 150 x 150 mm
- Integral, hinged latch retains trunking in position
- Suitable for use with PVC and steel trunking



### QT Universal Clamp & QT Compact Clamp

Used in conjunction with Fast Trak brackets to support all types of pipework within mechanical and plumbing services.

- Integral mounting pillar and quarter turn attachment
- No tools required for installation
- Replaces more than 13 different pipe rings from OD15 (15 mm copper) to OD 114 (100 mm steel)



### J-Hook

Used in conjunction with Fast Trak tracks to support all types of data cables.

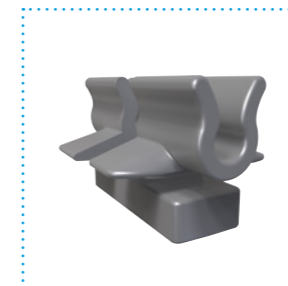
- Gate 'lock off' can be re-opened to add additional cables
- High performance, wide base wire form design
- Fast connection onto the Fast Trak track
- 50 mm diameter; can also be used for VRF/condensate pipes



### CB Clip

For quick fastening of cable basket to Gripple Fast Trak.

- Prevents uplift and slide of basket
- Two sizes available to fit 4 mm and 5 mm cable basket wire
- Tool-free, quarter turn installation
- Time saving compared to traditional methods



### CT Clip

For quick fastening of cable tray to Gripple Fast Trak, Universal and G Brackets.

- Prevents uplift and slide of tray
- Available in one size to fit 2 mm thick steel
- Tool-free, quarter turn installation
- Quick push fit fixing



### Vibration Dampener

Designed for vibration reduction when installing rectangular ducting on Fast Trak.

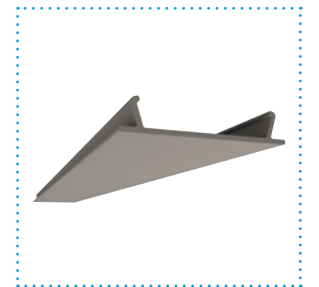
- Vibration reduction across a wide range of frequencies
- Prevents slipping of ductwork
- Made of rubber, no tools required
- Installs in seconds



### Bracket Cover

Neatly hides tracks to further enhance the aesthetics of the Fast Trak system.

- Discreet finish; ideal for open soffit spaces
- Tool free and simple 'snap fit' installation
- Can be cut down to specific lengths
- Covers metal edges that would usually protrude below the bracket





## Tools & Finishing Accessories

### Drop-In Anchor Punch

- Leaves four permanent indents on the anchor to advise correct installation
- Ergonomic handle with hand protection
- Three sizes available to suit M6, M8 or M10 anchor



### Protective Sleeving

- Protective black tubing
- Ideal for use on 2 mm and 3 mm wire rope
- Available in 25 m lengths as standard



### Adjustment Keys

- Use for adjusting the Gripple hanger height (pre-load)
- Two sizes available – for Gripple hangers No.1- No.3 and Gripple hangers No.4, No.5 and Catenary kits. For D3 and D6 use No.1 - No.3 adjustment key



### Wire Anchor Installation Tool

- Tool securely locates onto the wire anchor to hammer into place



### Fixing Tool for Ceiling Clip Wood

- For use with a power driver
- Hexagonal head to fit AF 8 mm



### Wire Cutters

- Hardened, durable jaws
- Two sizes available – pocket size for use up to 3 mm diameter wire rope, or large, providing greater leverage for up to 6 mm diameter wire rope



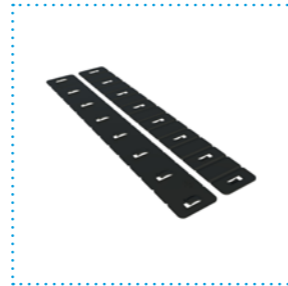
### Tensioning Tool

- Applies tension easily with the 6:1 gear drive mechanism
- Designed control mechanism to prevent over tensioning
- Compact, easy to handle, operate and carry
- For use with 6 mm Catenary kits



### Spreader Band

- A flexible accessory for spreading the load of various suspended services
- Snap to length as required, live hinges allow for flexibility
- For use with 2 mm and 3 mm wire
- Spreads load of services over wider band



### Corner Saddle

- Ideal for use with phenolic ductwork
- Also available with magnetic fixing for steel
- Use with wire rope up to 3 mm



### Protective Strip

- Spreads the load of services over a greater surface area
- Ideal for use with flexible duct
- For use with No. 2 or No. 3 wire rope
- Wire rope sits securely within the central groove
- Comes in 30 m rolls and is easily cut to length



\*Non Gripple product. Supplied directly by Polyplas International.

### QT Accessory

- Enables pipes to be installed at varying heights from the bracket
- Ideal for instances where different sized pipes require aligning along the centre axis
- For use with M8 rod and the Universal Clamp



### Work belt

- Numerous pockets to keep products safe and handy
- Adjustable belt
- Fast-release buckle
- Heavy-duty woven polyester



## Spider Accessories

### Swivel Cable Toggle

A range of engineered swivel toggle end fixings for use with both metal deck and wood form versions of the Spider, for the suspension of building services.

**Fast** – below deck install saves time due to swivel toggle technology

**Versatile** – universal design allows decision on cable size to be made after the slab is poured

**Strong** – up to 715 lbs safe working load, with a 5:1 safety factor

**Simple** – supplied in ready to use kits with length of cable with pre-attached swivel cable toggle and Gripple fastener, making installation straightforward

**Safe** – once installed, swivel toggle technology ensures it cannot be accidentally removed/displaced



#### Available Sizes and Load Ratings

	<b>No. 2 Toggle</b> 120 lbs		<b>No. 3 Toggle</b> 240 lbs		<b>No. 4 Toggle</b> 550 lbs		<b>No. 5 Toggle</b> 715 lbs
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### Threaded Rod Adaptor

A range of engineered adaptors to facilitate the use of threaded rod with both metal deck and wood form versions of the Spider, for the suspension of building services.

**Fast** – below deck install saves time due to Swivel Toggle technology

**Versatile** – universal design allows decision on cable size to be made after the slab is poured

**Strong** – up to 2250 lbs safe working load, with a 4:1 safety factor

**Simple** – secures quickly to standard threaded rod, making installation straight forward

**Safe** – once installed, swivel toggle technology ensures it cannot be accidentally removed/displaced



#### Available Sizes and Load Ratings

	<b>3/8" Adaptor</b> 730 lbs		<b>1/2" Adaptor</b> 1100 lbs		<b>5/8" Adaptor</b> 1800 lbs		<b>3/4" Adaptor</b> 2250 lbs
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### Wood Form Installation Tool

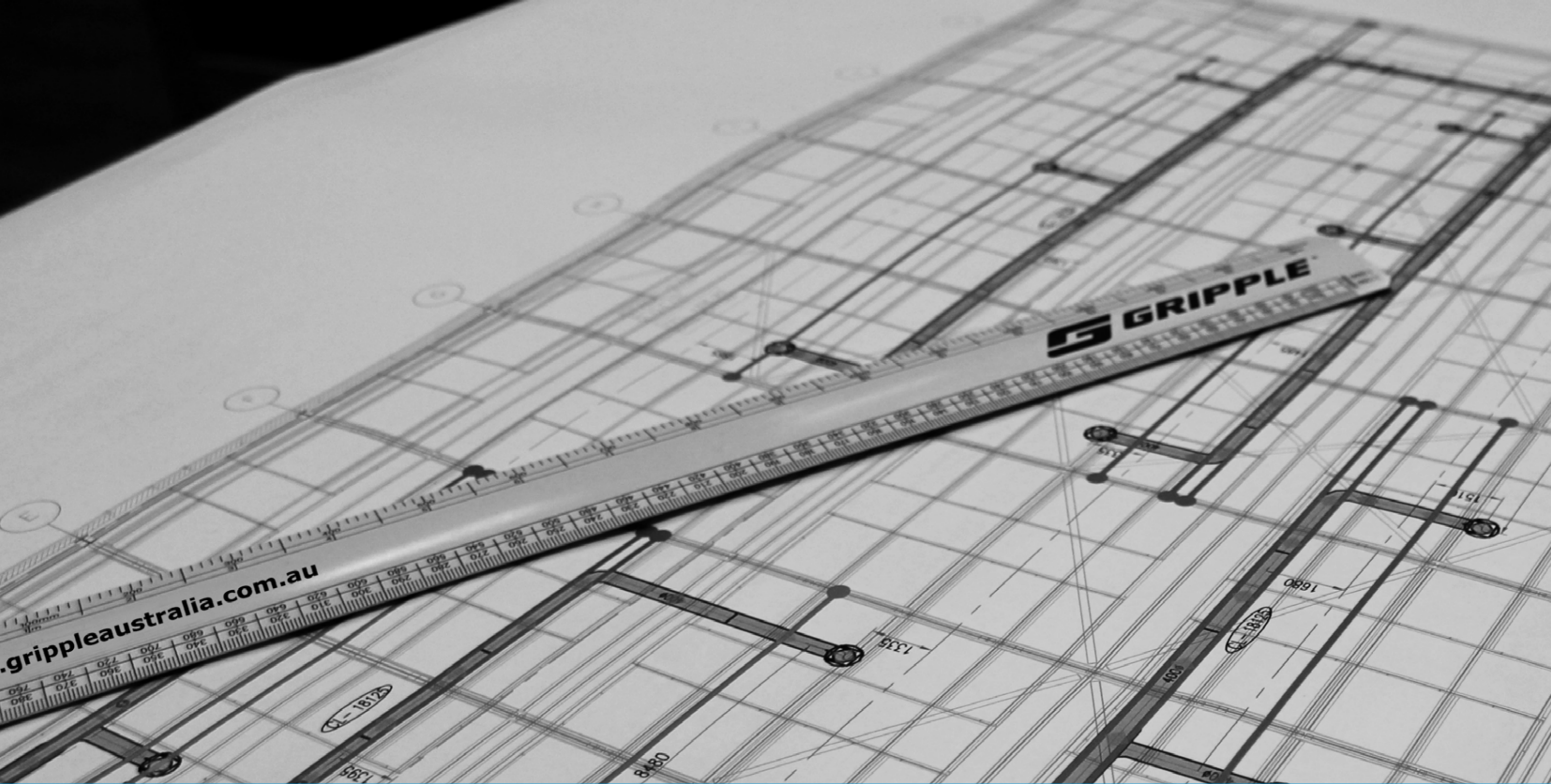
A time saving installation tool for the Spider (Wood Form).



### Extension Tube

For use with Spider (Metal Deck), increasing the length of the insert tube and preventing ingress from fire protection sprays.





# Technical

Technical Services .....	100	Nominal Ductwork Weights .....	104
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Wire Rope Construction & Cross Sections .....	103	Key Recommendations .....	106

# Technical Services



**Polyplas International's technical services department** is able to work in collaboration with partners around the world to offer the following range of engineering services to building services consultants, designers and engineers.

## Installation Design

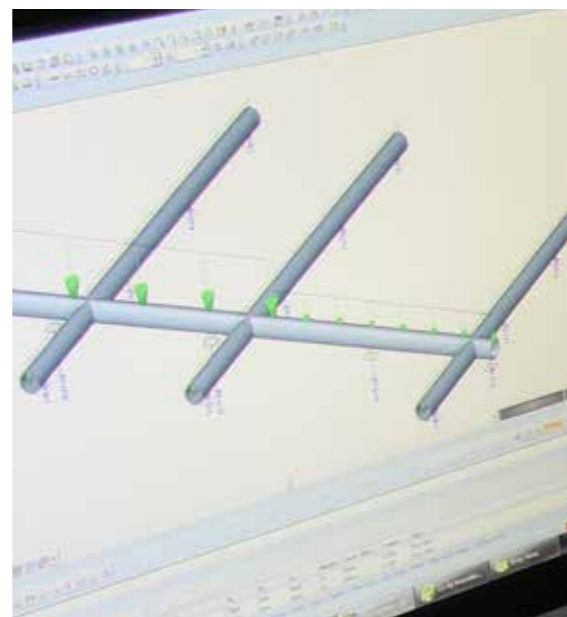
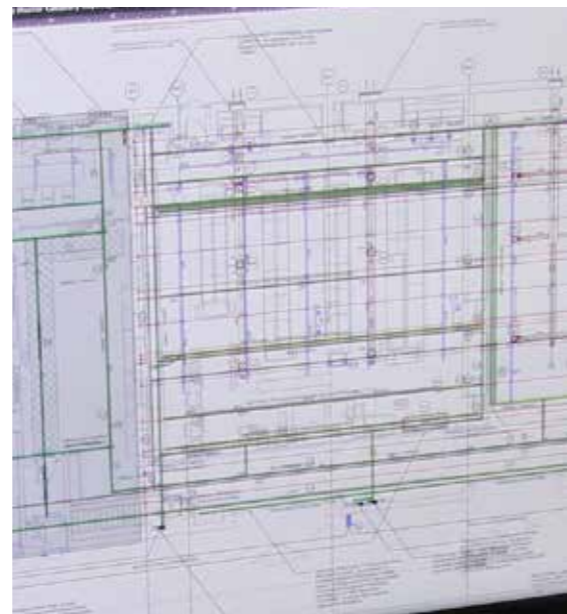
Polyplas International's technical services team offers a full suspension system design service. Drawings can be submitted in either .dwg or .pdf file formats and are returned fully annotated and costed. Bespoke bracket design, and assistance with minimising suspension elements and cost can also be provided. In order to reduce programme time and installation costs further, Gripple Catenary Systems can be employed to span structural steels and suitable building components.

The installation design service provides the contractor with annotated drawings showing the location and length of each catenary wire to simplify the installation process.

## Catenary Tension Analysis

Catenary systems can impose loads on building structures far in excess of the vertical loads applied to each free span. It's for this reason that Polyplas International's technical services team offers computer modelled catenary tension analyses to determine both final catenary sag and more importantly, anchor point loading.

This ensures that all catenary systems installed meet the requirements of the structural engineer.



## Seismic Bracing & Blast Protection Systems

Gripple seismic bracing systems are globally recognised as industry leading solutions for seismic bracing and blast protection.

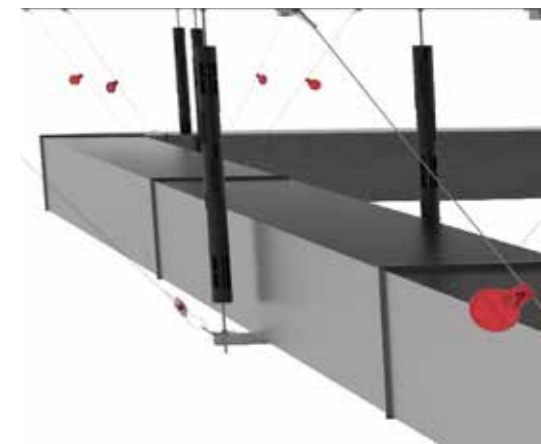
The systems are fully tested, industry proven, and designed to be in compliance with AS1170.4, NZ4219 and NZS 1170.5.

The seismic products are also approved to ANSI/ASHRAE 171, AC-156 Shaker Table, OSHPD OPA-2123-10, UL tested for NEBS GR 63 Core and have SMACNA verification, recognised as the most demanding requirement in the world.

- Up to 10 times faster to install
- No field swaging of wires & no tools required
- Colour coding allows easy field verification
- Suitable for new or retrofit installations
- Can be used in a variety of bracing configuration
- ANSI/ASHRAE 171 Tested
- Complete pre-engineered systems
- AC-156 Shaker Table Tested
- AS 1170.0 Ultimate Limit State Tested
- OSHPD OPA 2123-10 approved range also available
- SMACNA verified
- UL tested for NEBS GR 63 Core

## Time Savings

1. Engineered seismic bracing calculations based on design category, occupancy, importance and relevant site specific seismic specifications.
2. Detailed engineered drawings (submitted by the consultant/contractor) indicating the location of seismic bracing points and bracket type.
3. On-site training on seismic product installation.
4. Completion visit by a Polyplas International representative to ensure correct installation.
5. Gripple seismic bracing products per engineering calculations, including:
  - a. Seismic wire rope kit with End Fixing and colour coded verification tag
  - b. Seismic component bracket
  - c. Gripple Seismic brace
  - d. Seismically rated suspensions
  - e. Rod Stiffener
  - f. Safety wires





## BIM

This highly collaborative way of working is fast becoming the preferred method for carrying out progressive private sector projects.

Polyplas International's technical services department can offer full BIM support in the form of 3D model families.

This allows designers to add both fixed and suspended supports for building services, and carry out clash detection in the virtual project environment.

Models are available in a range of file formats including .rfa, .ifc and .dwg and offer full connectivity to product data which can be used to aid cost management, construction collaboration and facilities management.

Detailed component schedules can be created meaning only the correct quantity of product is ordered, minimising cost and waste.

Contact Polyplas International for the latest BIM models.



## Embodied CO<sub>2</sub> Assessment

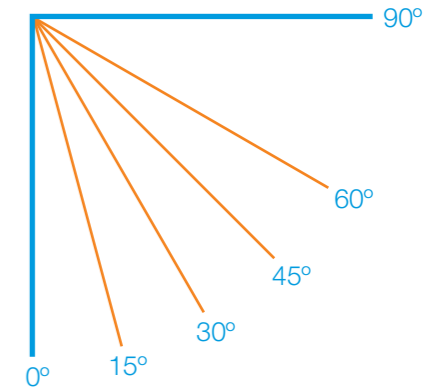
Polyplas International recognises that today's buildings need to be designed to the highest environmental standards.

In order to facilitate this, Polyplas International's technical services department is able to provide calculations, based on drawing submissions or site surveys, to determine the ECO<sub>2</sub> savings when switching to lightweight wire rope suspension systems.

## Hanging at Angles

The load rating for a Gripple Hanger is based on the suspension being hung vertically. If the wire rope is at an angle, an additional sideways force is applied which increases the load on the suspension. The net effect is shown in the table below.

Hanger size	Maximum load (kg) at an angle from vertical				
	0°	15°	30°	45°	60°
No.1	10	9.6	8.6	7	5
No.2	45	43	39	32	22
No.3	90	87	78	64	45
No.4	225	217	195	159	113
No.5	325	314	281	230	163
Load %	100	96	86	70	50

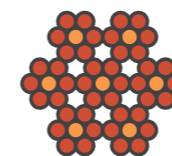


For Gripple hanger hung at an angle in excess of 60° from vertical, contact Gripple Technical Services.

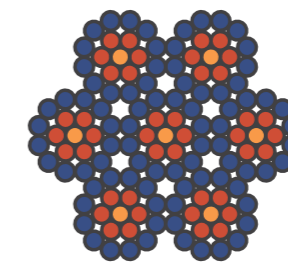
## Wire Rope Construction & Cross Sections

The wire ropes used within our product ranges are manufactured with a galvanised coating in accordance with the norm EN 12385.

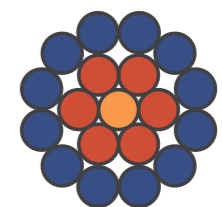
Wire rope size	Diameter (mm)	Construction
No.1	1.5	7 x 7 or 1 x 19
No.2	2	7 x 7 or 1 x 19
No.3	3	7 x 7 or 1 x 19
No.4	4.75	7 x 19
No.5	6	7 x 19



7 x 7 (6/1)



7 x 19 (12/6/1)



1 x 19 (12/6/1)

## Nominal Ductwork Weights

### Galvanised Steel Spirally Wound Circular Ductwork

The Grippler hanger size is based on a 2.5 m hanger spacing.

Diameter (mm)	Circumference (m)	Weight (kg/m)	Min. Grippler Hanger size
100	0.31	2.30	No. 1
125	0.39	2.87	No. 1
150	0.47	3.45	No. 1
200	0.63	4.60	No. 1
300	0.94	8.66	No. 2
400	1.26	11.55	No. 2
500	1.57	14.44	No. 2
600	1.88	17.32	No. 2
700	2.20	25.51	No. 3
800	2.51	29.15	No. 3
900	2.83	32.80	No. 3
1000	3.14	36.44	No. 4

Table uses following assumptions for sheet metal duct with diameter less than: 200mm = 0.8mm, 600mm = 1mm, 1,000 = 1.2mm all with no lagging. Sheet metal weights as per AS4254.

### Rectangular Ducting (Duct weight as per AS4254)

Size (mm)	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
250	8.42	12.63	16.84	21.05	25.26	36.02	41.16	57.15	63.50	69.85	76.20	82.55
500	12.63	16.84	21.05	25.26	29.47	41.16	46.31	63.50	69.85	76.20	82.55	88.90
750	16.84	21.05	25.26	29.47	33.68	46.31	51.45	69.85	76.20	82.55	88.90	95.25
1000	21.05	25.26	29.47	33.68	37.89	51.45	56.60	76.20	82.55	88.90	95.25	101.60
1250	25.26	29.47	33.68	37.89	42.10	56.60	61.74	82.55	88.90	95.25	101.60	107.95
1500	36.02	41.16	46.31	51.45	56.60	61.74	66.89	88.90	95.25	101.60	107.95	114.30
1750	41.16	46.31	51.45	56.60	61.74	66.89	72.03	95.25	101.60	107.95	114.30	120.65
2000	46.31	51.45	56.60	61.74	66.89	72.03	77.18	101.60	107.95	114.30	120.65	127.00
2250	63.50	69.85	76.20	82.55	88.90	95.25	101.60	107.95	114.30	120.65	127.00	133.35
2500	69.85	76.20	82.55	88.90	95.25	101.60	107.95	114.30	120.65	127.00	133.35	139.70
2750	76.20	82.55	88.90	95.25	101.60	107.95	114.30	120.65	127.00	133.35	139.70	146.05
3000	82.55	88.90	95.25	101.60	107.95	114.30	120.65	127.00	133.35	139.70	146.05	152.40

Table uses following assumptions for sheet metal duct with longest side of: 1,250mm = 0.8mm, 2,000mm = 1mm, 3000 = 1.2mm all with 50mm external lagging weighing 1.1kg/m<sup>2</sup>. Sheet metal weights as per AS4254.

## Pipe Weights & Spacing

Recommended minimum support and spacing for steel and copper pipes.

### Pipe Mass (kg/m)

#### Copper Pipes

Nominal Ø (mm)	15	20	25	32	40	50	65	80	90	100	125	150	200
Pipe	0.5	1	1.5	2	2.25	3	3.25	5.25	6	7	8.75	13	17.25
Pipe and Water	0.75	1.25	2	2.5	3.25	5	6.25	9.5	11.75	14.5	20.75	30	48.5
Pipe, Water & Insulation	2	2.75	3.5	4.5	5.5	7.25	11	15	18	24	32	43	65

#### Steel Pipes

Nominal Ø (mm)	25	32	40	50	65	80	90	100	125	150	200	250	300
Pipe	4.5	6	7.25	9.5	13	17	20.25	24.25	32.75	42.5	64	90.5	114
Pipe and Water	5	7	8.5	11.75	16.25	21.75	26.75	32.5	45.75	61	96	141	190
Pipe, Water & Insulation	6.75	8.75	10.5	14	21	27.25	32.75	42	56.75	74	112.75	162.25	215.75

### Hanger Spacing (m)

Smallest Pipe Nom Ø (mm)	15	20	25	32	40	50	65	80	90	100	125	150	200	300
Copper	1.5	1.5	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Steel	2.0	2.0	2.7	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	6.0	6.0

## Key Recommendations

Failure to comply with these recommendations may result in product malfunction and possible damage to property or person and will invalidate the Gripple guarantee. Gripple products are guaranteed to be free from defects in materials and workmanship in accordance with our terms and conditions. No other warranty, whether express or implied, including any warranty of merchantability or fitness for purpose shall exist in connection with the sale or use of any Gripple product.

Full technical information and installation instructions should be obtained directly from Gripple Limited, Gripple Europe or Gripple Inc., any regional Gripple office, or via [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au).

Please adhere to the following key recommendations:

 <p><b>Loads</b> Always operate the product within its stated safe working load range.</p>	 <p><b>Lifting</b> Do not use for lifting, either by crane or as part of a pulley system. Suspend static loads only.</p>
 <p><b>Hanging At An Angle To Vertical</b> Ensure that the load calculation considers the effect of 'side load'. For example, at an angle of 60° to vertical the SWL is effectively reduced by 50%</p>	 <p><b>Impact</b> If there is potential for impact on the wire rope suspension or suspended services, seek advice from Gripple Ltd. Technical Services prior to installation.</p>
 <p><b>Ducting:</b> When installing included angle teardrop hangers on round/spiral ducting or pipes, the final included angle of the assembly should not exceed 60°.</p>	 <p><b>Lubrication</b> Do not apply oil or any other lubricant to the hanger or any other part of the assembly.</p>
 <p><b>Y-Fit:</b> Legs on Y-Fit not to be installed greater than 60°.</p>	 <p><b>Wire Rope</b> Always use the fastener supplied and specified wire rope. Never use on coated wire rope or other rope. Trim any damaged filaments with the wire cutter before use.</p>
 <p><b>Environment</b> Do not use in chlorinated or chemically corrosive atmospheres. Standard hangers are for use in dry and air conditioned environments only. Stainless steel hangers should be considered for high to saturated humid environments after validation by a competent person. Not suitable for swimming pools.</p>	 <p><b>Installation</b> Do not walk or stand on the Gripple product installation unless expressly designed for this purpose.</p>
 <p><b>Joining</b> Never join two ends together in-line.</p>	 <p><b>Painting</b> Do not paint the hanger prior to installation. Ensure that the hanger is in its final position prior to applying any paint to the wire rope assembly. Do not move the fastener after painting.</p>
 <p><b>Joining</b> Never join two ends together in-line.</p>	 <p><b>Storing</b> Do not store the product outdoors.</p>

## Quality & Approval

Gripple UK is ISO 9001:2015 and ISO 14001 certified. Gripple products meet the highest standards of quality with lowest environmental impact.



## Notes



# [www.grippleaustralia.com.au](http://www.grippleaustralia.com.au)

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