Product Guide
A complete guide to building services products
HEATING, VENTILATION, PLENUM BOXES, CHILLED BEAMS, OVAL, SPIRAL & RECTANGULAR DUCTWORK, COLD ROOMS, AIR CONDITIONING UNITS, MECHANICAL, PIPEWORK, CABLE LADDER BASKET & TRAY, STRIP LIGHTING, LUMINAIRE, TRUNKING, BUSBAR, CATENARIES, SHOPFITTING, SIGNAGE, ACOUSTIC BAFFLES, SUSPENDED CEILINGS, BRACING.
About Gripple

Of the 700 strong Gripple team working worldwide, over 30 people are dedicated to servicing the UK and Ireland. All are experts in suspension solutions for HVAC, M&E, modules, lighting, acoustics and signage. Our facilities in Sheffield enable us to offer a flexible, reactive service to find a solution to your problem, and deliver it quickly. We also have a technical, specification and sales office in London.

“...the company's capabilities are now recognised, admired and trusted worldwide.”

From contractors to consultants, we offer:

- Suspension system installation design service – we’ll advise on what you need and where
- BIM solutions
- Environmental impact studies
- CAD drawings
- On-site visits to assess installations and discuss potential solutions
- Product training – for specific installations or for the latest new products
- CPD presentations
- Regular on-site advice until the job is completed
- Next day delivery service available to site

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.

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.

CO₂ Savings

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 8 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 22).
The Gripper® 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, Gripper kits do not require cutting, filing or ‘hot works’ permits. Gripper 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.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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.
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 discrete finish, without compromising on strength; supplied in ready-to-use kits with your choice of end fixing and wire rope length.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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.
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 discrete finish, without compromising on strength. All products are supplied in ready-to-use kits with your choice of end fixing and wire rope length.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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, wire rope and end fixing of your choice.

For further information please call +44 (0)114 275 2255 or email sales@gripple.com

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
UniGrip® 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 42

For further information please call +44 (0)114 275 2255 or email sales@gripple.com.
Fire Rated

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- Fast Trak
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Other applications

Seismic Bracing & Blast Protection Systems

Seasonal (External Catenaries)

Bracing Solutions

Solar Panel Installation

For further information please call (0114) 275 2255 or email sales@gripple.com
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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, conforms to DW/144

**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

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

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**Available Sizes and Load Ratings**

| No. 1 | 10 kg SWL (5:1) |
| No. 2 | 15 kg SWL (5:1) |
| No. 3 | 45 kg SWL (5:1) |
| No. 4 | 90 kg SWL (5:1) |
| No. 5 | 325 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.

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**Installation Steps**

Release

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

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**Available Sizes and Load Ratings**

| No. 1 | 15 kg SWL (5:1) |
| 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.

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**Installation Steps**

Release

Do not adjust under load. Contact Gripple for full product information, submittal data and technical support.
Aesthetic – the design complements modern building design
Discrete – 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

Angel

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

Installation Steps

Release

Available Sizes and Load Ratings

No. 1
15 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.

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 500 mm leg lengths as standard
• Available with a variety of wire and fixings
• Central wire exit

Swivel
• Swivel feature for suspension at angles up to 90°
• Available in M4, M6, M8 and 1/4" UNC
• 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 clip 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 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, M6 and 1/4" UNC
• 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, M6, M8 and 1/4" UNC as standard
• M5, 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 and 1/4" UNC, as standard
• 5 mm, maximum exposed thread length as standard, bespoke lengths on request
• Central wire exit

Knockout
• Ideal for strip lighting with standard 22 mm 7/8" knockout holes
• Slots into knockout centers and twists to lock into place
• No tools needed, or the need to remove the back of the fixture

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

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

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Fire Rated Hanger

The Fire Rated Hanger range is a fire-resistant solution developed in accordance with BS EN 1363-1:2012.

Fire Rated – tested to F120, according to the temperature curve of BS EN 1363-1:2012. For certification to support load limits and exposure times, see page 39
Safe – no tools or ‘hot works’ permit required for installation, improving health and safety on-site
Anti-tamper – requires tool to release
Strong – ceramic rollers provide extra strength and corrosion resistance
Versatile – available in two sizes for a safe working load at ambient temperature of 45 kg (No. 2) and 90 kg (No. 3)

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

**Fire Rated Product Matrix**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>F30</th>
<th>F60</th>
<th>F90</th>
<th>F120</th>
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</thead>
<tbody>
<tr>
<td>842°C</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>945°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1006°C</td>
<td></td>
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<tr>
<td>1049°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. 2</th>
<th>45 kg SWL (5:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 3</td>
<td>90 kg SWL (5:1)</td>
</tr>
</tbody>
</table>

Available Sizes and Load Ratings

Installation Steps

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

Notes
* Calculated value based on empirical evidence
† Gripple Universal Bracket, Low Profile Bracket and Fast Trak loading values are for uniformly distributed load (UDL)
‡ Refer to Hilti Direct Fastening Technology Manual 2015 for fire resistance details
Stainless Steel Hanger

A versatile suspension kit for a variety of applications including the suspension of HVAC, pipework and electrical containment from different substrates in the food industry and high humidity environments.

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

Durable – ceramic rollers and stainless steel springs for corrosion resistance in high humidity environments

Safe – no tools or ‘hot works’ permit required for installation, improving health and safety on site

Easy – simple adjustment using the Setting Key supplied reduces time spent working at height

Strong – industry approved, conforms to DW/144

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Load Rating</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>45 kg SWL</td>
</tr>
<tr>
<td>3</td>
<td>90 kg SWL</td>
</tr>
</tbody>
</table>

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

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How to work out your unique product code:

1. CHOOSE YOUR PRODUCT

2. CHOOSE YOUR END FIXING

3. CHOOSE YOUR WIRE LENGTH

Enter your unique product code (e.g. XP2-LG-4M):

For more available end fixings and further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
UniGrip is 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

**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.

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

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

- **Calibra**  
  - Designed for adjustment of building services under load  
  - 35 mm of finite adjustment using integral adjustment pillar and M10 thread  
  - Side wire exit

- **Hook**  
  - Self closing latch for security  
  - Designed for heating/cooling panels and light fittings  
  - Side wire exit

- **Y-Fit**  
  - Designed for lighting or containment  
  - Dual fixing points for balance  
  - 100 mm, 300 mm and 500 mm leg lengths as standard  
  - Legs available with a variety of wire end fixings eg. Toggle, Snap Hook etc.  
  - Side wire exit

- **Side Exit**  
  - Designed for applications in which wire cannot exit centrally (avoiding clashes with services)  
  - Supplied with a hex nut  
  - Side wire exit

- **Phenolic Adaptor**  
  - Ideal for phenolic & PIR fabricated ductwork  
  - Fast, tool free insertion with less time at height  
  - Push-fit directly into the underside of the duct  
  - 15 kg SWL per bracket at 5:1 safety factor

- **Central Exit**  
  - Designed for services suspended with channel  
  - Supplied with a channel nut  
  - Male thread for mechanical fixing  
  - M8 (UniGrip No.2)  
  - M10 (UniGrip No.3)  
  - M12 (UniGrip No.4)  
  - Central wire exit

- **Central Exit with hex nut**  
  - Designed for services suspended with channel  
  - Supplied with a hex nut  
  - Male thread for mechanical fixing  
  - M8 (UniGrip No.2)  
  - M10 (UniGrip No.3)  
  - M12 (UniGrip No.4)  
  - Central wire exit

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.

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**Available Sizes and Load Ratings**

<table>
<thead>
<tr>
<th>No.</th>
<th>Load Rating</th>
<th>M8 (UniGrip No.2)</th>
<th>M10 (UniGrip No.3)</th>
<th>M12 (UniGrip No.4)</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>55 kg SWL (5:1)</td>
<td>110 kg SWL (5:1)</td>
<td>250 kg SWL (5:1)</td>
<td></td>
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<tr>
<td>3</td>
<td>110 kg SWL (5:1)</td>
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<tr>
<td>4</td>
<td>250 kg SWL (5:1)</td>
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<td></td>
</tr>
</tbody>
</table>

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

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**Contact Gripple for full product information, submittal data and technical support.**
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** – BRE tested to F120 to the temperatures associated with BS476 Part 20 / DIN4102 Part 2. For certification to support load limits and exposure times, see page 39

**Simple** – fast and easy installation using the washer or channel nut supplied to pre-install into Cripple 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

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**Available Sizes and Load Ratings**

- **No. 2**
  - 45 kg SWL (3:1)

- **No. 3**
  - 90 kg SWL (3:1)

- **No. 4**
  - 225 kg SWL (3:1)

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

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**Trapeze Plus Fire Rated**

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, conforms to DW/144 Class D

**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

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**Available Sizes and Load Ratings**

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

**Installation Steps**


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**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, conforms to DW/144 Class D

**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

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**Available Sizes and Load Ratings**

- **No. 2**
  - 45 kg SWL (3:1)

**Installation Steps**


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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, conforms to DW/144 Class D
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

How to work out your unique product code:

1. CHOOSE YOUR PRODUCT
2. CHOOSE YOUR END FIXING
3. CHOOSE YOUR WIRE LENGTH

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For more available End Fixings and further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
Y-Fit & Y-Fit Accessory

Ideal for balanced containment, lighting and pipework.

Simple – single point suspension with double hanging points to enable one leg to be detached to allow access to cables, etc.

Versatile – variety of different end fixings including Snap Hook, Cable Tray Hook, Toggle and Karabiner for attachment to a wide range of services.

Quick & easy installation – accessory version is ideal for longer drops to easily reach to services for adjustment.

Safe – no tools or ‘hot works’ permit required for installation, improving health and safety on-site.

Strong – industry approved.

Y-Fit Kit Codes

1. CHOOSE YOUR PRODUCT

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
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<td>Y-Fit No. 1</td>
</tr>
<tr>
<td>YHF2</td>
<td>Y-Fit No. 2</td>
</tr>
<tr>
<td>YHF3</td>
<td>Y-Fit No. 3</td>
</tr>
<tr>
<td>AY1</td>
<td>Y-Fit Accessory No. 1</td>
</tr>
<tr>
<td>AY2</td>
<td>Y-Fit Accessory No. 2</td>
</tr>
<tr>
<td>AY3</td>
<td>Y-Fit Accessory No. 3</td>
</tr>
</tbody>
</table>

2. CHOOSE YOUR LEG END FIXING

- Toggle (TG)
- Snap Hook (HG)
- Link Hook (NG)
- Cable Tray Hook (CTG)

3. CHOOSE YOUR WIRE LENGTH*

<table>
<thead>
<tr>
<th>Wire Length</th>
<th>Rating</th>
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</thead>
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<td>5M</td>
<td>150 kg SWL (5:1)</td>
</tr>
<tr>
<td>10M</td>
<td>300 kg SWL (5:1)</td>
</tr>
</tbody>
</table>

* Not available on Y-Fit Accessory

4. CHOOSE YOUR LEG LENGTH*

<table>
<thead>
<tr>
<th>Leg Length</th>
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</thead>
<tbody>
<tr>
<td>150MM</td>
</tr>
<tr>
<td>300MM</td>
</tr>
<tr>
<td>500MM</td>
</tr>
</tbody>
</table>

* Bespoke leg lengths are available, please call 0800 0184 264

Simple – single point suspension with double hanging points to enable one leg to be detached to allow access to cables, etc.

Versatile – variety of different end fixings including Snap Hook, Cable Tray Hook, Toggle and Karabiner for attachment to a wide range of services.

Quick & easy installation – accessory version is ideal for longer drops to easily reach to services for adjustment.

Safe – no tools or ‘hot works’ permit required for installation, improving health and safety on-site.

Strong – industry approved.

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

Installation Steps

Release

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

For further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
Catenary Kit & C-Clip

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 discrete 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 Sizes and Load Ratings**

<table>
<thead>
<tr>
<th>Wire Length</th>
<th>3 mm</th>
<th>6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWL</td>
<td>30 kg (5:1)</td>
<td>100 kg (5:1)</td>
</tr>
</tbody>
</table>

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

---

**Installation Steps**

**Release**

---

**End Fixings** Page 67

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**Product codes** Page 51

**Catenary Kit Codes**

How to work out your unique product code:

1. **CHOOSE YOUR PRODUCT**

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

2. **CHOOSE YOUR WIRE LENGTH**

   - 3 mm
   - 6 mm

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

   [ ] [ ] [ ] [ ] [ ] [ ] [ ]

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:

   CAT-BRACKET-100MM

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

---

For further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
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** – bracket can be moved up and down the tracks to accommodate changes in position during installation
- **Zero waste** – tracks bend neatly under bracket
- **Aesthetic** – tracks can be concealed using Fast Trak Bracket Cover for a discrete finish
- **Space saver** – can be multi-tiered to accommodate additional services
- **Easy measurement** – indicators at each end of the bracket can be used as a measurement guide when marking fix points in the soffit
- **Neat & tidy** – system can be stacked to reduce storage on-site
- **Fire rated** – for more information please contact Gripple Technical Services

---

**Available Bracket Sizes**

- FTB-250 – 180 kg SWL (3:1)
- FTB-350 – 180 kg SWL (3:1)
- FTB-450 – 180 kg SWL (3:1)
- FTB-600 – 180 kg SWL (3:1)
- FTB-750 – 180 kg SWL (3:1)
- FTB-900 – 180 kg SWL (3:1)
- FTB-1050 – 90 kg SWL (3:1)
- FTB-1200 – 90 kg SWL (3:1)
- FTB-1500 – 90 kg SWL (3:1)

---

**Available Track Sizes**

- FTT-135 – 90 kg SWL (5:1)
- FTT-285 – 90 kg SWL (5:1)
- FTT-535 – 90 kg SWL (5:1)
- FTT-785 – 90 kg SWL (5:1)
- FTT-1035 – 90 kg SWL (5:1)

---

**Installation Steps**

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

---

Fast Trak™ - Low Profile

A low profile alternative to the standard Fast Trak solution offering greater space efficiency than the standard Fast Trak bracket range. Ideal for use with electrical containment, pipework and mechanical services in ultra-restricted ceiling spaces.

- **Space saver** – 21 mm bracket depth
- **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** – brackets 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
- **Aesthetic** – tracks bend neatly under bracket or can be concealed using Fast Trak Bracket Cover
- **Fire rated** – for more information please contact Gripple Technical Services

---

**Available Bracket Sizes**

- FTBL-250 – 90 kg SWL (3:1)
- FTBL-350 – 90 kg SWL (3:1)
- FTBL-450 – 90 kg SWL (3:1)
- FTBL-600 – 50 kg SWL (3:1)
- FTBL-750 – 40 kg SWL (3:1)
- FTBL-900 – 30 kg SWL (3:1)
- FTBL-1050 – 20 kg SWL (3:1)
- FTBL-1200 – 15 kg SWL (3:1)

---

**Available Track Sizes**

- FTT-135 – 90 kg SWL (5:1)
- FTT-285 – 90 kg SWL (5:1)
- FTT-535 – 90 kg SWL (5:1)
- FTT-785 – 90 kg SWL (5:1)
- FTT-1035 – 90 kg SWL (5:1)

---

**Installation Steps**

Do not adjust under load. Contact Gripple for full product information, submittal data and technical support.
Fast Trak - Side Loading

Pre-fabricated side loading bracket solution offering speed and flexibility for the installation of lightweight electrical containment, pipework, and other mechanical services in restricted places.

Quick – up to four 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 – bracket can be moved up and down the tracks to accommodate changes in position during installation
Secure – safety locks ensure security once brackets and tracks are in place
Space saver – can be multi-tiered to accommodate additional services
Easy installation – lightweight services can be side loaded onto the bracket
Neat & tidy – system can be stacked on-site to reduce storage
Fire rated – for more information please contact Gripple Technical Services

Available Bracket Sizes

| Single Load    | Tech/Load | FTBS-135 – 30 kg SWL (5:1) | FTT-535 – 30 kg SWL (5:1) |

Available Track Sizes

<table>
<thead>
<tr>
<th>Standard</th>
<th>Low Profile</th>
<th>Side Loading - Single</th>
<th>Side Loading - Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTT-135</td>
<td>FTT-235</td>
<td>FTBS-180</td>
<td>FTBS-180</td>
</tr>
</tbody>
</table>

How to work out your unique product code:

1. CHOOSE YOUR BRACKET

   **Standard**
   - 250 mm FTB-250
   - 350 mm FTB-350
   - 450 mm FTB-450
   - 600 mm FTB-600
   - 750 mm FTB-750
   - 1050 mm FTB-1050
   - 1200 mm FTB-1200
   - 1500 mm FTB-1500

   **Low Profile**
   - 250 mm FTT-250
   - 350 mm FTT-350
   - 450 mm FTT-450
   - 600 mm FTT-600
   - 750 mm FTT-750
   - 900 mm FTT-900
   - 1200 mm FTT-1200
   - 1500 mm FTT-1500

   **Side Loading - Single**
   - 180 mm FTT-180
   - 300 mm FTT-300
   - 400 mm FTT-400
   - 535 mm FTT-535
   - 600 mm FTT-600
   - 750 mm FTT-750
   - 900 mm FTT-900
   - 1200 mm FTT-1200

   **Side Loading - Twin**
   - 200 mm FTBT-200
   - 300 mm FTBT-300
   - 400 mm FTBT-400
   - 450 mm FTBT-450
   - 600 mm FTBT-600
   - 750 mm FTBT-750
   - 900 mm FTBT-900
   - 1200 mm FTBT-1200

2. CHOOSE YOUR TRACK LENGTH

   **Standard & Low Profile**
   - 135 mm FTT-135
   - 285 mm FTT-285
   - 535 mm FTT-535
   - 785 mm FTT-785

   *Not to be used with Fast Trak - Side Loading brackets.

For further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
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 15 mm copper to 6" 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
- **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

---

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
- **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 Gripple Technical Services

---

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

**Installation Steps**

Contact Gripple for full product information, submittal data and technical support.

---

**Pad Variants**

- Standard: Rubber pad for insulation purposes 14 dBa reduction.
- Large: Improved fit for large dia. pipe Most suitable for 3" and above 16 dBa reduction.
- Acoustic: Designed to reduce noise related to water pressure 23 dBa reduction.

---

**Size Variants**

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

---

**End Fixings**

Page 67

**Accessories**

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**Product codes**

Page 63
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 15 mm copper to 6” 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

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

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 and can also be used as a shallow bearer for support of electrical services

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 Gripple Technical Services
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 15 mm copper to 6” 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

**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

---

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 by 3” and above 18 dBa reduction.
- **Acoustic** Designed to reduce noise related to water pressure 23 dBa reduction.

Contact Gripple for full product information, submittal data and technical support.

---

Installation Steps

- **End Fixings** Page 67
- **Accessories** Page 83
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- **Product codes** Page 63

---

Pad Variants

- **Standard** Rubber pad for insulation purposes 14 dBa reduction.
- **Large** Improved fit for large dia. pipe Most suitable by 3” and above 18 dBa reduction.
- **Acoustic** Designed to reduce noise related to water pressure 23 dBa reduction.

Contact Gripple for full product information, submittal data and technical support.

---

Installation Steps

- **End Fixings** Page 67
- **Accessories** Page 83
- **Technical** Page 95
- **Product codes** Page 63
Wall Bracket

Ideal for use in conjunction with Gripple Universal Brackets for quick and easy installation of mechanical or electrical containment in close proximity to the wall.

**Versatile** – bolts directly to the wall, ideal for use when suspending from the deck is not permitted

**Compatible** – suitable for use with Gripple Universal Brackets up to 440 mm long

**Simple** – a complete system supplied with Gripple Universal Brackets and QT Clamps (if required)

**Strong** – designed to support M&E services when installed cantilevered and parallel to the wall

**Unobtrusive** – designed to not impede the slots on either face of the bracket allowing easy install of QT Clamps and securing of tray/basket to bracket

---

Pipework Kit Codes

How to build your unique product code:

1. **CHOOSE YOUR UNIVERSAL OR LOW PROFILE BRACKET**
   - Universal Bracket
   - Low Profile Bracket

2. **CHOOSE YOUR CLAMP QUANTITY**
   - 2
   - 3
   - 4
   - 5
   - 6
   - 7
   - 8

3. **CHOOSE YOUR TYPE OF CLAMP**
   - QT Universal Clamp
   - QT Compact Clamp
   - Universal Clamp
   - Height Adjustable Universal Clamp

4. **CHOOSE YOUR FOOT VARIANT**
   - Standard
   - Large
   - Acoustic

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

- Bracket
- Clamp Quantity
- Type or Clamp
- Foot Variant

For further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.

---

Contact Gripple for full product information, submittal data and technical support.
Pipe Insulation Collars

Kooltherm® and Armaflex® pipe collars provide rapid installation and ensure insulation continuity without thermal breaks.

Compatible – designed specifically for use with Gripple pipe clamps
Universal – suitable for mild steel, stainless steel, copper and plastic pipes in a range of sizes
High performance – reduced heat loss & highly moisture resistant

Temperature range:
Kooltherm -50°C to 120°C, Armaflex -183°C to 105°C
Thermal conductivity:
Kooltherm 0.021 W/m·K at 10°C, Armaflex 0.036 W/m·K at 10°C

---

Pipe Insulation Collar Codes

How to work out your unique product code:

1. CHOOSE YOUR INSULATION

   - Kooltherm®
   - Armaflex®

2. CHOOSE YOUR OUTSIDE PIPE DIAMETER (OD MM)

   - 15
   - 21
   - 22
   - 27
   - 28
   - 34
   - 35
   - 42
   - 54
   - 60
   - 67
   - 76
   - 89

3. CHOOSE YOUR INSULATION THICKNESS (MM)

   - KOOLTHERM®
     - 15
     - 20
     - 25
     - 30
     - 40
     - 50
   - ARMAFLEX®
     - 19
     - 25
     - 32

Enter your unique product code (e.g. GKT-PS-27-40):

For further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
End Fixings

- Loop & Stud page 68
- Toggle & Snap Hook page 69
- Cable Tray Hook & Mini Hook page 70
- Barrel & Top Hat page 71
- End Stop & Eyelet page 72
- 45º Eyelet & 90º Eyelet page 73
- Cladding Hook & Ring Anchor page 74
- Ceiling Anchor & Link Hook page 75
- Karabiner & C-Clip page 76
- Shot Fire & Channel Nut page 77
- Decking Wedge & Alphawedge page 78
- Multiwedge 2 & TR60 Wedge page 79
- MF Wedge & Twist Clip (White) page 80
- Magnetic Pad & QT Barrel page 81
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 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

Installation

Ensures minimum 75 mm of tail wire exit the hanger.

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>30</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>No. 2</td>
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<td></td>
</tr>
<tr>
<td>No. 3</td>
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<td></td>
</tr>
<tr>
<td>No. 4</td>
<td>45</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>No. 5</td>
<td>45</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
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<td>12</td>
<td>40</td>
</tr>
<tr>
<td>No. 2</td>
<td>6.3</td>
<td>18</td>
<td>40</td>
</tr>
<tr>
<td>No. 3</td>
<td>6.3</td>
<td>18</td>
<td>40</td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Toggle

- Ideal when used as a Y-Fit to suspend lighting
- Available up to 110 kg SWL with a 5:1 safety factor
- Comes as a complete kit with Gripple wire rope and hanger
- Available in stainless steel

Installation

Uses quick and easy attachment to cable basket, purlin clips, light fittings

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
<th>D (Ø)</th>
<th>E (Ø)</th>
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</thead>
<tbody>
<tr>
<td>No. 1</td>
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<td>40</td>
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<td>No. 2</td>
<td>6.2</td>
<td>7.9</td>
<td>12</td>
<td>40</td>
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<tr>
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<td>18</td>
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Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
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<tbody>
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</tr>
<tr>
<td>No. 3</td>
<td>6.3</td>
<td>7</td>
<td>75</td>
</tr>
</tbody>
</table>

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 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

Installation

Supplied with Drop-in Anchors (as standard) or nuts as required

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>30</td>
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<td></td>
</tr>
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<tr>
<td>No. 3</td>
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<td>60</td>
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</tr>
<tr>
<td>No. 4</td>
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</tr>
<tr>
<td>No. 5</td>
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<td>90</td>
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</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
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<tr>
<td>No. 2</td>
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<td>75</td>
</tr>
<tr>
<td>No. 3</td>
<td>6.3</td>
<td>7</td>
<td>75</td>
</tr>
</tbody>
</table>

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 250 kg SWL with 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

Installation

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

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1*</td>
<td>M6</td>
<td>20</td>
<td>48</td>
</tr>
<tr>
<td>No. 2</td>
<td>M6</td>
<td>20</td>
<td>48</td>
</tr>
<tr>
<td>No. 3</td>
<td>M6</td>
<td>45</td>
<td>70</td>
</tr>
<tr>
<td>No. 4</td>
<td>M8</td>
<td>45</td>
<td>70</td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
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<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>M8</td>
<td>20</td>
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</tr>
<tr>
<td>No. 2</td>
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<td>77</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>45</td>
<td>70</td>
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<tr>
<td>No. 4*</td>
<td>M10</td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

* No. 1 & No. 4 not available in stainless steel

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>6.3</td>
<td>7</td>
<td>75</td>
</tr>
<tr>
<td>No. 2</td>
<td>6.3</td>
<td>7</td>
<td>75</td>
</tr>
<tr>
<td>No. 3</td>
<td>6.3</td>
<td>7</td>
<td>75</td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.
**Cable Tray Hook**

- Fits cable trays from 100 mm to 300 mm wide
- Can be attached to both holes and slots of cable trays
- For supporting up to 45 kg of load with a 5:1 safety factor
- Compatible with all side wall holes and slots irrespective of depth
- Comes as a ready-to-use kit with Gripple Y-Fit hanger (No. 2) or Y-Fit accessory (No. 2)
- Available in lengths of 1 m, 2 m and 3 m

**Available Hangers**

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>92</td>
<td>60</td>
<td>19</td>
</tr>
<tr>
<td>No. 2</td>
<td>92</td>
<td>60</td>
<td>19</td>
</tr>
</tbody>
</table>

**Installation**

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 110 kg SWL with 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**

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>M6</td>
<td>12</td>
<td>40</td>
<td>26</td>
</tr>
<tr>
<td>No. 2</td>
<td>M6 and M8</td>
<td>12</td>
<td>40</td>
<td>26</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>12</td>
<td>40</td>
<td>26</td>
</tr>
</tbody>
</table>

**Installation**

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**

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>4.5</td>
<td>5</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>No. 2</td>
<td>92</td>
<td>60</td>
<td>19</td>
<td>5</td>
</tr>
</tbody>
</table>

**Installation**

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 55 kg SWL with a 5:1 safety factor
- Two part construction for fast installation using M6 or ø 4.5 mm c/sunk screws
- Supplied 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**

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>18</td>
<td>14</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>No. 2</td>
<td>18</td>
<td>14</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

**Installation**

Fix using M6 or ø 4.5 mm c/sunk screws.

Install fixings in accordance with manufacturer's specifications.
**End Stop**

- Simple, fast installation for extruded profiles
- Available up to 110 kg SWL with 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

**Eyelet**

- Available up to 110 kg SWL with a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Fire rated version available

**45° Eyelet**

- Ideal for use in bracing applications
- Available up to 110 kg SWL with a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger

**90° Eyelet**

- Ideal for use with Gripple concrete screws for direct soffit mounting
- Available up to 110 kg SWL with a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Fire rated version available
Cladding Hook
- Designed to fit 6 mm holes
- Suitable for every grade of steel
- Creates a secure hanger
- Safe working load may vary dependent on the thickness of steel to which it is attached
- Comes as a ready-to-use kit with Gripple wire rope and hanger

Available Hangers
- Size (SWL)
- A (mm)
- B (mm)
- C (mm)
  - No. 2
    - 59
    - 5
    - 24

Installation

Ring Anchor
- Ideal for fixing into non-cracked and cracked concrete
- Shallow anchorage depth of 25 mm
- Available up to 55 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
    - 6
    - 54
    - 35
  - No. 2
    - 6
    - 54
    - 35

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
    - 6
    - 65
    - 50
  - No. 2
    - 6
    - 65
    - 50

Installation

Link Hook
- Ideal for use with cable tray
- Available up to 45 kg SWL with a 4:1 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
    - 6
    - 15
    - 48
  - No. 2
    - 6
    - 15
    - 48

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
    - 6
    - 65
    - 50
  - No. 2
    - 6
    - 65
    - 50

Installation

Link Hook
- Ideal for use with cable tray
- Available up to 45 kg SWL with a 4:1 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
    - 6
    - 15
    - 48
  - No. 2
    - 6
    - 15
    - 48

Installation

Cladding Hook
- Designed to fit 6 mm holes
- Suitable for every grade of steel
- Creates a secure hanger
- Safe working load may vary dependent on the thickness of steel to which it is attached
- Comes as a ready-to-use kit with Gripple wire rope and hanger

Available Hangers
- Size (SWL)
- A (mm)
- B (mm)
- C (mm)
  - No. 2
    - 59
    - 5
    - 24

Installation

Ring Anchor
- Ideal for fixing into non-cracked and cracked concrete
- Shallow anchorage depth of 25 mm
- Available up to 55 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
    - 6
    - 54
    - 35
  - No. 2
    - 6
    - 54
    - 35

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 Gipple 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
    - 6
    - 65
    - 50
  - No. 2
    - 6
    - 65
    - 50

Installation

Link Hook
- Ideal for use with cable tray
- Available up to 45 kg SWL with a 4:1 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
    - 6
    - 15
    - 48
  - No. 2
    - 6
    - 15
    - 48

Installation
Karabiner

- Provides 9 mm clearance
- Available up to 90 kg SWL with 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

### Installation

- Provides 9 mm clearance
- Available up to 90 kg SWL with 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

### C-Clip

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

### Channel Nut

- Fast to install
- Pre-assembled and ready-to-insert
- Fits directly into the channel
- Available up to 250 kg SWL with 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

### 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 three sizes up to 45 kg load
- Available in lengths from 1 to 10 m (other lengths available on request)

### Installation

- Provides 9 mm clearance
- Available up to 90 kg SWL with 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

### C-Clip

- Up to 10 times faster to install
- Allows horizontal and vertical adjustment
- Cam lock solidly in place even at angles up to 60°
- 3 mm and 6 mm versions available
- Can be retrofitted
- One handed installation, no tools required
- Designed for use with Gripple Catenary Kits
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- Fits directly into the channel
- Available up to 250 kg SWL with a 5:1 safety factor
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- Can be used with gas and powder fastening tools
- Quick and easy fastening solution
- Supplied as a ready-to-use kit
- Available in three sizes up to 45 kg load
- Available in lengths from 1 to 10 m (other lengths available on request)
Decking Wedge

- 25 mm version designed for use with SMD RS1, Comflor 51, Holotub, 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

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>M8</td>
<td>25</td>
<td>70</td>
<td>40</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>25</td>
<td>70</td>
<td>40</td>
</tr>
</tbody>
</table>

Installation

- Designed for use with Ribdeck E60
- Adjustable and removable, no need for drilling specialist tools or skills
- Available up to 90 kg SWL
- Comes as a ready-to-use kit with Gripple wire rope and hanger

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>M8</td>
<td>18</td>
<td>70</td>
<td>40</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>18</td>
<td>70</td>
<td>40</td>
</tr>
</tbody>
</table>

Alphawedge

- Designed for use with Ribdeck E60
- Adjustable and removable, no need for drilling specialist tools or skills
- Available up to 90 kg SWL
- Comes as a ready-to-use kit with Gripple wire rope and hanger

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>M8</td>
<td>45</td>
<td>70</td>
<td>40</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>45</td>
<td>70</td>
<td>40</td>
</tr>
</tbody>
</table>

TR60 Wedge

- Designed for use with Structural Metal Decks TR60+ and TR80+
- Adjustable and removable, no need for drilling, specialist tools or skills
- Available up to 90 kg SWL
- Comes as a ready-to-use kit with Gripple wire rope and hanger

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>M8</td>
<td>45</td>
<td>70</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>45</td>
<td>70</td>
</tr>
</tbody>
</table>

Multiwedge 2

- Designed for use with Kingspan Multideck 60 and 80
- Adjustable and removable, no need for drilling, specialist tools or skills
- Available up to 90 kg SWL
- Comes as a ready-to-use kit with Gripple wire rope and hanger

<table>
<thead>
<tr>
<th>Size (SWL)</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>M8</td>
<td>45</td>
<td>70</td>
</tr>
<tr>
<td>No. 3</td>
<td>M8</td>
<td>45</td>
<td>70</td>
</tr>
</tbody>
</table>
MF Wedge

- Ideal for fixing into Metfloor® 60 and 80 profiles manufactured by Composite Metal Flooring
- The only fixing recommended by the decking manufacturer
- Load rated at 90 kg SWL
- Comes as a ready-to-use kit with Gripple wire rope and hanger

Magnetic Pad

- Ideal for hanging signage and fixing services to magnetic metal surfaces
- Available up to 8 kg SWL with a 2:1 safety factor
- Load is affected by the metal thickness and surface condition (painted finish)
- Not for use on aluminium, brass or non-magnetic products
- Comes as a ready-to-use kit with Gripple wire rope and hanger

Twist Clip (White)

- Designed for use on 24 mm T-Bar grid ceilings
- Quicker manufacture and installation times
- Ideal for use with the Angel range
- Quick and easy to install – no tools required
- Visually discreet and lightweight
- Can be retrofitted
- Will not cause damage to the T-Bar grid
- Available as part of a ready-to-use kit or in bulk as an accessory

QT Barrel

- Fast, quarter turn attachment to Gripple Brackets
- Allows for suspension of services from pre-installed header rails or to provide multi-tier suspension from Gripple Universal Brackets
- Fail safe clip to secure into bracket - prevents unexpected movement
- Available for use with No. 1, No. 2 and No. 3 hangers
- Supplied as a kit with wire and Gripple Hanger
- Available in lengths from 1 to 10 m
- Other lengths are available on request
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

Concrete Wire Anchor
- Suitable for non-cracked concrete and hard natural stone
- Stainless steel (304/316)
- CISTR test report

Concrete Screw
- Suitable for cracked and non-cracked concrete
- Ideal for use with the 90˚ Eyelet End Fixing (page 73)
- Removable

Barrel Concrete Screw
- Suitable for cracked and non-cracked concrete, precast hollow concrete and hard natural stone
- Easy-fit screw with integrated male thread connection
- Ideal for use with the M8 Barrel End Fixing (page 71)
- Removable

Stud Cracked Concrete Screw
- Suitable for cracked and non-cracked concrete
- Dual M6/M10 internal thread
- Ideal for use with the Stud End Fixing (page 68)
- Removable

Ceiling Clip Concrete Screw
- Suitable for cracked and non-cracked concrete, precast hollow concrete and hard natural stone
- Allows for pivotal movement
- Ideal for use with the Loop End Fixing (page 68)

Cracked Concrete Ring Anchor
- Suitable for cracked and non-cracked concrete
- Self-expanding anchor
- ETA approved

Concrete Ceiling Anchor
- Suitable for cracked and 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 34)

Concrete Wood Screws
- Easy-fit screw suitable for wood, non-cracked concrete, precast hollow concrete and hard natural stone
- Ideal for use with the range of 90˚ Eyelet End Fixings (page 73)
- Removable

Barrel Wood Screw
- Easy-fit wood screw with integrated M6 thread connection
- Ideal for use with the M6 Barrel End Fixing (page 71)

Ceiling Clip Wood Screw
- Designed for screwing into wood
- Allows for pivotal movement
- Ideal for use with the Loop End Fixing (page 68)

M8 Decking Adaptors
- Ideal for use with the Y-Fit and Y-Fit Accessory (page 48)
- M8 thread with 12 mm diameter eye
- Can be combined with other decking fixings: Alphawedge, MF Wedge, Multiwedge 2 and TR60 (pages 78 - 79)

For further information contact Gripple Technical Services

* For further information contact Gripple Technical Services
Brackets & Attachments

Universal Bracket
- Can be bolted directly to soffit or wall, or suspended from the soffit using threaded rod or Gripple Hanger e.g. Trapeze Plus FR
- Eliminates the need for cutting channel on site
- Integrates with Gripple Hangers
- Available in 100 mm increments from 240 mm - 1540 mm

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB1550</td>
<td>240</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
<tr>
<td>PB1540</td>
<td>250</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
<tr>
<td>PB1530</td>
<td>260</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
<tr>
<td>PB1520</td>
<td>270</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
<tr>
<td>PB1510</td>
<td>280</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPB1550</td>
<td>240</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
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<td>LPB1530</td>
<td>260</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
<tr>
<td>LPB1520</td>
<td>270</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
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<tr>
<td>LPB1510</td>
<td>280</td>
<td>40</td>
<td>10</td>
<td>360</td>
<td>10</td>
</tr>
</tbody>
</table>

Universal Bracket Beam Clamp
- Allows brackets to be fixed directly to beams for pipe runs close to the deck
- Suitable for a wide range of flange sizes (up to 40mm)
- Quick and easy installation
- Compatible with all Gripple Universal Brackets (page 57)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB-BEAM-M10</td>
<td>150</td>
<td>35</td>
<td>10</td>
<td>120</td>
<td>10</td>
</tr>
</tbody>
</table>

G-Bracket
- Purpose made for cable tray and basket
- Brackets can be easily joined together either vertically or horizontally to create a double fixing
- Ideal for use with the Y-Fit and Y-Fit Accessory (page 48)
- Fire rated

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC2-QT-M8</td>
<td>200</td>
<td>60</td>
<td>9</td>
<td>40</td>
<td>10</td>
</tr>
</tbody>
</table>

G-Spacer
- Joins two G-Brackets together, either vertically or horizontally allowing a central gap (max. 300 mm)
- Links different sizes of G-Bracket together
- Adjustable

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSC-200</td>
<td>100</td>
<td>50</td>
<td>5</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GW-BRACKET-M10</td>
<td>100</td>
<td>35</td>
<td>6</td>
<td>300</td>
<td>10</td>
</tr>
</tbody>
</table>

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 OW/144 best practice
- Use with UniGrip No. 2 and No. 3 (page 42)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR-BRACKET-M10</td>
<td>65</td>
<td>5</td>
<td>4</td>
<td>35</td>
<td>10</td>
</tr>
</tbody>
</table>

Wall Bracket
- Universal Brackets are quickly fixed to Wall Brackets using supplied fixings
- Designed to support piping and/or electrical services when installed cantilevered and parallel to the wall
- Suitable for use with Gripple Universal Brackets up to 440 mm long
- Wall Brackets are supplied with Universal Brackets and Quick Twist-Universal Clamps featuring quarter turn attachment
- Allows for full use of both faces of the bracket for multiple services
- Can be bolted directly to soffit or wall

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALL-BRACKET-MEDIUM</td>
<td>125</td>
<td>50</td>
<td>25</td>
<td>125</td>
<td>10</td>
</tr>
</tbody>
</table>

QT Accessory
- Make height adjustments to suit exact requirements
- Simple quarter turn attachment to bracket
- Enables pipes of different to be installed along the centre axis and condensate pipes to be installed at a gradient for drainage
- Replaces more than 13 different pipe ring sizes, when used with the Gripple Universal Bracket

<table>
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<tr>
<th>Product Code</th>
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<tr>
<td>GC2-QT-M8</td>
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</tbody>
</table>

Beam Clamp
- Avoids drilling into and welding onto I-beams
- Simple and easy to install
- Aesthetic appeal
- Compatible with Gripple Stud End Fixing

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<thead>
<tr>
<th>Product Code</th>
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<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEACLAMP-M8</td>
<td>125</td>
<td>5</td>
<td>10</td>
<td>75</td>
<td>10</td>
</tr>
</tbody>
</table>
Adaptors

Pigtails
- Fast and secure anchor suitable for use with the Loop End Fixing (page 68)
- Ideal for use with the Drop-In Anchor (page 84)
- Allows Loop to be removed for maintenance

### Safety Factors

<table>
<thead>
<tr>
<th>Material</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
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</tr>
</tbody>
</table>

**Pigtail Specifications**

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</tbody>
</table>

Turnbuckle
- Ideal for cold room panels
- One end with closed-eyes and one with straight threaded rod
- Use with the Standard Hanger (page 34)

### Safety Factors

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**Turnbuckle Specifications**

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</table>

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 34)

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**Spring Clip Specifications**

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

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</table>

Acoustic Spring Anchor
- Ideal for use with the Standard Hanger, Angel Hooks 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

**Acoustic Spring Anchor Specifications**

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T-Bar Twist Clip
- Ideal for attaching to suspended ceilings
- Integral M8 thread
- Ideal for use with the Barrel End Fixing (page 71)
- Suitable for 45 mm T-Bar

### Safety Factors

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**T-Bar Twist Clip Specifications**

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</table>

Uni-Wedge
- One universal fitting for many decking profiles available in the UK
- Ideal for use with the Stud End Fixing (page 68)
- Suitable for Kingspan Multideck 60 and 80
- Richard Less Ribdeck 80/AL and E60 SMD TR60 and TR80

**Uni-Wedge Specifications**

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</table>

Wedge Nuts
- Ideal for use with the Stud End Fixing (page 68)
- Also supplied as a Decking Wedge End Fixing (page 78)
- Available in 18 mm and 25 mm sizes

### Safety Factors

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**Wedge Nut Specifications**

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Eyebolt
- Closed-eyes for ultimate strength
- Ideal for suspending services with Standard Hanger (page 34)
- Available fully threaded or partially threaded

### Safety Factors

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**Eyebolt Specifications**

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</table>

Link Hook
- Easy to attach and detach for loading cable tray
- Suitable for services that require access or maintenance
- Large inner dimension for easy fit
- Ideal for use with the Y-Fit and Y-Fit Accessory (page 48)

### Safety Factors

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</table>

**Link Hook Specifications**

<table>
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<tr>
<td>Zinc</td>
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</tr>
</tbody>
</table>

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

### Safety Factors

<table>
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</table>

**Karabiner Specifications**

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<tr>
<td>Zinc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Beams & Purlins**

**Tiger Clip**
- hammer-on installation
- accommodates a wide variety of flange thicknesses
- ideal for use with the Snap Hook End Fixing (page 69)

**Purlin Clip**
- easy installation - clip into place
- available to suit 4 mm - 5 mm flange thickness
- ideal for use with the Snap Hook End Fixing (page 69)

**Beam Clip**
- hammer-on installation
- accommodates a wide variety of flange thicknesses
- ideal for use with the Snap Hook End Fixing (page 69)

**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 50)

**M6 & M8 Adaptor**
- ideal for fixings to many services such as luminaires
- can be fixed into concrete using the Drop-In Anchors (page 84)
- supplied with nut

**Catenary Steel Anchor**
- designed for blind fixing where only one side of beam is accessible
- accommodates wide range of flange 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 50)

**Vertical Flange Clip**
- hammer-on installation
- two sizes available to suit 1 mm - 5 mm and 5 mm - 7 mm flange thickness
- ideal for use with the Snap Hook End Fixing (page 69)

**Z Purlin Clip**
- hammer-on installation
- available to suit 2.5 mm maximum flange thickness
- ideal for use with the Snap Hook End Fixing (page 69)

---

**UniGrip & Hanger Accessories**

**Central Exit No. 2, 3 & 4**
- designed for services suspended with channel
- supplied with either a square washer and channel nut or hex nut
- male thread for mechanical fixing
- M6 & M8 UniGrip No. 2, M10 & M12 UniGrip No. 3, M12 & M16 UniGrip No. 4
- 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.
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 15 mm 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

**Vibration Damper**
Designed for vibration reduction when installing rectangular ducting on Fast Trak.
- Discrete finish, ideal for open soft-fit 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

**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

**Bracket Cover**
Neatly hides tracks to further enhance the aesthetics of the Fast Trak system.
- Discrete finish, ideal for open soft-fit 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

**Drop-In Anchor Punch**
Leaves four permanent indentations on the anchor to advise correct installation
- Ergonomic handle with hand protection
- Three sizes available to suit M6, M8 or M10 anchor

**CT Clip**
For quick fastening of cable tray to Gripple Fast Trak, Universal and G Brackets.
- Prevents uplift and slide of tray
- Two sizes available to fit 4 mm and 5 mm basket wire
- Tool free, quarter turn installation
- Time saving compared to traditional methods

**Tools & Finishing Accessories**

**Twister**
Keeps tail wires neat and tidy
- Grey aesthetic finish – blends into background
- For use with 2 mm and 3 mm wire rope

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

**Wire Anchor Installation Tool**
Tool securely locates onto the wire anchor to hammer into place

**Wire Cutters**
Hardened, durable jaws
- Two sizes available – pocket size for wire up to 3 mm and 5 mm thick steel
- Provides greater leverage for up to 6 mm diameter wire rope

**Spreader Band**
A flexible accessory for spreading the load of various suspended services
- Snap to length as required, five hinges allow for flexibility
- For use with 2 mm and 3 mm wire rope

**Fixing Tool for Ceiling Clip Wood**
For use with a power driver
- Hexagonal head to fit AF 8 mm

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

**CB Clip**
For quick fastening of cable basket to Gripple Fast Trak, Universal and G Brackets.
- Prevents uplift and slide of basket
- Two sizes available to fit 4 mm and 5 mm basket wire

**CT Clip**
For quick fastening of cable tray to Gripple Fast Trak, Universal and G Brackets.
- Prevents uplift and slide of tray
- Two sizes available to fit 2 mm and 3 mm thick steel
- Tool free, quarter turn installation
- Quick push fit fixing

**Driver Bit**
For use with a power driver
- Torx head to fit Concrete Screw or Cracked Concrete Screw (page 84)

**J-Hook**
Used in conjunction with Fast Trak tracks to support all types of data cables.
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Technical

Technical Services page 96
Hanging At Angles page 100
Wire Rope Construction & Cross Sections page 100
Nominal Ductwork Weights page 101
Pipe Support Spacing page 102
Key Recommendations page 103
Technical Services

Gripple Technical Services is a dedicated team of qualified engineering physicists and mechanical engineers that offers CIBSE certified CPD presentations, and provides the following range of engineering services to building services consultants, designers and engineers.

Installation Design

Gripple Technical Services 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. Gripple’s 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 Gripple Technical Services 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.

BIM

Building Information Modelling (BIM) is now a mandatory requirement for centrally funded government projects in the UK, and this highly collaborative way of working is fast becoming the preferred method for carrying out progressive private sector projects.

Gripple Ltd. is the only supplier of wire rope suspension systems that offers consultants and contractors 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 schedules of Gripple components can be created meaning only the correct quantity of product is ordered, minimising cost and waste. Gripple Technical Services has recognised the advantages that BIM brings to construction projects, and is committed to working with consultants and contractors to develop their BIM capabilities.

Contact Gripple Technical Services for the latest BIM models.

Embodied CO₂ Assessment and BREEAM or LEED Accreditation

Gripple Ltd. recognises that today’s buildings need to be designed to the highest environmental standards. In order to facilitate this, Gripple Technical Services is able to provide calculations, based on drawing submissions or site surveys, to determine the CO₂ savings when switching to lightweight wire rope suspension systems. This supporting evidence can then be submitted to BREEAM assessors in order to obtain BREEAM credits, or to LEED assessors for LEED points.
Seismic Bracing & Blast Protection Systems

Gripple Ltd. is a leading provider of seismic bracing and blast protection systems.

In contrast to standard wire bracing, Gripple’s seismic system is fully tested and approved to OSHPD OPA-2123-10, tested by UL for NEBS GR 63 Core and has SMACNA verification, recognised as the most demanding requirement in the world.

Gripple Technical Services can offer:

1. Engineered seismic bracing calculations based on design category, occupancy, importance and relevant site specific seismic specifications.

2. Detailed engineer’s sealed drawings (electronic format) prepared in AutoCAD or .pdf files (submitted by the consultant/contractor) indicating the location of seismic bracing points and bracket type.

3. Gripple on-site training on seismic product installation.

4. Completion visit by Gripple Seismic Authorized 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 Hanger

Acoustic & Vibration Performance

Gripple wire suspensions offer vastly improved acoustic performance over traditional installation methods. Gripple Technical Services can supply independent test data which confirms the levels of attenuation that Gripple wire rope suspensions achieve over a range of audible and inaudible frequencies, when compared to threaded rod.

Technical Specifications & Best Practice Guides

Along with industry leading certified CPD presentations on a range of subjects, Gripple Technical Services offers a range of published material to ensure that installations are done in accordance with the best standards. Titles include ‘Suspension of Ductwork and Associated Services with Steel Wire Ropes’ and ‘Suspension of Pipework and Associated Equipment with Steel Wire Ropes’. A generic specification is also available should you wish to include wire rope suspension systems in your design without specifying Gripple products. Gripple Technical Services can also offer advice should fire rated suspension systems be required.

On-site Support

Pre-commencement site surveys, on-site pull testing to verify substrate suitability, progress reports and completion certificates can all be requested from Gripple Technical Services. Toolbox talks are also available on a range of Gripple products and time saving installation methods.
**Nominal Ductwork Weights**

**Galvanised Steel Spirally Wound Circular Ductwork**

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

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Circumference (m)</th>
<th>Weight (kg/m)</th>
<th>Min. Gripple Hanger size</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>0.25</td>
<td>1.00</td>
<td>No. 1</td>
</tr>
<tr>
<td>100</td>
<td>0.32</td>
<td>1.56</td>
<td>No. 1</td>
</tr>
<tr>
<td>125</td>
<td>0.40</td>
<td>1.96</td>
<td>No. 1</td>
</tr>
<tr>
<td>160</td>
<td>0.50</td>
<td>2.50</td>
<td>No. 1</td>
</tr>
<tr>
<td>200</td>
<td>0.63</td>
<td>3.75</td>
<td>No. 2</td>
</tr>
<tr>
<td>250</td>
<td>0.80</td>
<td>4.69</td>
<td>No. 2</td>
</tr>
<tr>
<td>300</td>
<td>0.94</td>
<td>5.63</td>
<td>No. 2</td>
</tr>
<tr>
<td>315</td>
<td>1.00</td>
<td>5.92</td>
<td>No. 2</td>
</tr>
<tr>
<td>400</td>
<td>1.26</td>
<td>9.10</td>
<td>No. 2</td>
</tr>
<tr>
<td>500</td>
<td>1.57</td>
<td>11.50</td>
<td>No. 2</td>
</tr>
<tr>
<td>630</td>
<td>1.98</td>
<td>14.50</td>
<td>No. 2</td>
</tr>
<tr>
<td>710</td>
<td>2.23</td>
<td>16.15</td>
<td>No. 3</td>
</tr>
<tr>
<td>1000</td>
<td>3.14</td>
<td>28.50</td>
<td>No. 3</td>
</tr>
<tr>
<td>1250</td>
<td>3.93</td>
<td>45.30</td>
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</tr>
</tbody>
</table>

This table is an extract from DW/144 2013 edition.

**Nominal Ductwork Weights**

**Rectangular Ducting**

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>250</th>
<th>500</th>
<th>750</th>
<th>1000</th>
<th>1250</th>
<th>1500</th>
<th>1750</th>
<th>2000</th>
<th>2250</th>
<th>2500</th>
<th>2750</th>
<th>3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>7.25</td>
<td>10.75</td>
<td>14.25</td>
<td>19.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>500</td>
<td>-</td>
<td>14.25</td>
<td>17.75</td>
<td>22.75</td>
<td>34.00</td>
<td>38.75</td>
<td>47.75</td>
<td>52.75</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>750</td>
<td>-</td>
<td>-</td>
<td>21.25</td>
<td>26.25</td>
<td>38.75</td>
<td>43.50</td>
<td>52.75</td>
<td>58.00</td>
<td>68.50</td>
<td>74.00</td>
<td>90.75</td>
<td>97.00</td>
</tr>
<tr>
<td>1000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>30.00</td>
<td>43.50</td>
<td>48.25</td>
<td>58.00</td>
<td>63.00</td>
<td>74.00</td>
<td>79.50</td>
<td>97.00</td>
<td>103.50</td>
</tr>
<tr>
<td>1250</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>48.25</td>
<td>53.00</td>
<td>63.00</td>
<td>68.00</td>
<td>79.50</td>
<td>85.00</td>
<td>103.50</td>
<td>109.75</td>
</tr>
<tr>
<td>1500</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>57.75</td>
<td>68.00</td>
<td>73.25</td>
<td>85.00</td>
<td>90.50</td>
<td>109.75</td>
<td>116.00</td>
</tr>
<tr>
<td>1750</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>73.25</td>
<td>78.25</td>
<td>90.50</td>
<td>96.00</td>
<td>116.00</td>
<td>122.25</td>
</tr>
<tr>
<td>2000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>83.50</td>
<td>96.00</td>
<td>101.50</td>
<td>122.25</td>
<td>128.50</td>
</tr>
<tr>
<td>2250</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>101.50</td>
<td>107.00</td>
<td>128.50</td>
<td>134.75</td>
</tr>
<tr>
<td>2500</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>141.00</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>141.00</td>
<td>147.50</td>
</tr>
<tr>
<td>3000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>153.75</td>
</tr>
</tbody>
</table>

For galvanised steel spirally-wound flat oval ductwork, insulated ductwork and phenolic ductwork weights, please contact Gripple Technical Services.

**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.

<table>
<thead>
<tr>
<th>Hanger size</th>
<th>Maximum load (kg) at an angle from vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0°</td>
</tr>
<tr>
<td>No. 1</td>
<td>10</td>
</tr>
<tr>
<td>No. 2</td>
<td>45</td>
</tr>
<tr>
<td>No. 3</td>
<td>90</td>
</tr>
<tr>
<td>No. 4</td>
<td>225</td>
</tr>
<tr>
<td>No. 5</td>
<td>325</td>
</tr>
<tr>
<td>Load %</td>
<td>100</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Wire rope size</th>
<th>Diameter (mm)</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>1.5</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No. 2</td>
<td>2</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No. 3</td>
<td>3</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No. 4</td>
<td>4.75</td>
<td>7 x 19</td>
</tr>
<tr>
<td>No. 5</td>
<td>6</td>
<td>7 x 19</td>
</tr>
</tbody>
</table>

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

Recommended minimum support spacing for steel and copper pipes.

Copper Pipes

<table>
<thead>
<tr>
<th>Copper tube</th>
<th>Nominal pipe size (mm)</th>
<th>OD (mm)</th>
<th>Weight empty (kg/m)</th>
<th>Weight filled (kg/m)</th>
<th>Max. spacing for horizontal runs (m)</th>
<th>Weight per Gripple Clamp* (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS EN 1057</td>
<td>15</td>
<td>15</td>
<td>0.28</td>
<td>0.43</td>
<td>1.2</td>
<td>0.51</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>22</td>
<td>0.53</td>
<td>0.85</td>
<td>1.8</td>
<td>1.53</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>28</td>
<td>0.68</td>
<td>1.22</td>
<td>1.8</td>
<td>2.19</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>35</td>
<td>1.13</td>
<td>1.96</td>
<td>2.4</td>
<td>4.72</td>
</tr>
<tr>
<td></td>
<td>42</td>
<td>42</td>
<td>1.37</td>
<td>2.60</td>
<td>2.4</td>
<td>6.24</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>54</td>
<td>1.77</td>
<td>3.86</td>
<td>2.7</td>
<td>10.43</td>
</tr>
<tr>
<td></td>
<td>67</td>
<td>67</td>
<td>2.74</td>
<td>5.96</td>
<td>3.0</td>
<td>17.87</td>
</tr>
<tr>
<td></td>
<td>76</td>
<td>76</td>
<td>3.12</td>
<td>7.31</td>
<td>3.0</td>
<td>21.92</td>
</tr>
</tbody>
</table>

Mass calculated at standard pressure with water at 4°C.

*At max. bracket spacing.

Steel Pipes

<table>
<thead>
<tr>
<th>Steel pipe</th>
<th>Nominal pipe size (in)</th>
<th>OD (mm)</th>
<th>Weight empty (kg/m)</th>
<th>Weight filled (kg/m)</th>
<th>Max. spacing for horizontal runs (m)</th>
<th>Weight per Gripple Clamp* (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS 1387</td>
<td>1/2</td>
<td>21</td>
<td>1.22</td>
<td>1.39</td>
<td>2.0</td>
<td>2.77</td>
</tr>
<tr>
<td></td>
<td>3/4</td>
<td>27</td>
<td>1.58</td>
<td>1.91</td>
<td>2.4</td>
<td>4.59</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>34</td>
<td>2.44</td>
<td>2.97</td>
<td>2.7</td>
<td>8.02</td>
</tr>
<tr>
<td></td>
<td>1 1/4</td>
<td>42</td>
<td>3.14</td>
<td>4.05</td>
<td>2.7</td>
<td>10.93</td>
</tr>
<tr>
<td></td>
<td>1 1/2</td>
<td>48</td>
<td>3.61</td>
<td>4.87</td>
<td>3.0</td>
<td>14.60</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>60</td>
<td>5.10</td>
<td>7.14</td>
<td>3.4</td>
<td>24.29</td>
</tr>
<tr>
<td></td>
<td>2 1/2</td>
<td>76</td>
<td>6.51</td>
<td>10.04</td>
<td>3.7</td>
<td>37.13</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>89</td>
<td>8.47</td>
<td>13.37</td>
<td>3.2</td>
<td>42.79</td>
</tr>
</tbody>
</table>

Mass calculated at standard pressure with water at 4°C.

*At max. bracket spacing.

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 the website www.gripple.com.

Please adhere to the following key recommendations:

Loads
Always operate the product within its stated safe working load range.

Lifting
Do not use for lifting, either by crane or as part of a pulley system. Suspend static loads only.

Environment
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.

Ducting:
When installing included angle teardrop hangers on round/spiral ducting or pipes, the final included angle of the assembly should not exceed 60°.

Y-Fit:
Legs on Y-Fit not to be installed greater than 60°.

Painting
Do not paint the hanger prior to installation.

Quality & Approval

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

Gripple’s policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.