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 500 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).
Applications

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- Electrical page 12
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- Acoustics page 20
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- UniGrip page 26
- Other Applications page 28
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 hangers for HVAC applications has been developed to provide a fast and versatile solution for suspending ductwork, heaters, air conditioning, radiant panels and plenum boxes.

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

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.

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 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.

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

Angel has a wide range of feet available to suit your lighting application. See page 35 for details.
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.

Our 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.
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 discreet finish, without compromising on strength. All products are supplied in ready-to-use kits with your choice of end fixing and wire rope length.

Products shown are for internal use only. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
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
Gripple® Fast Trak™ is a pre-fabricated trapeze bracket solution delivering significant time savings to the installation of electrical containment, pipework, ductwork and other mechanical services in restricted places. A zero waste product comprising metal tracks and mounting brackets in pre-cut lengths, tool-free adjustments can be made in seconds, eliminating on-site cutting and filling, and easing handling on-site.

Ideal for use in high rise office blocks and residential buildings – where the ceiling space is at a premium. Fast Trak delivers on time and labour savings like other Gripple suspension systems.

See Fast Trak product information on page 48

For further information please call +44 (0)114 275 2255 or email sales@gripple.com
Gripple® UniGrip is the next generation wire rope suspension system, and a complete solution for the suspension of all building services applications. Offering Gripple’s best ever load performance, alongside easier adjustment and a range of ‘feet’ to cater for all building services and installation methods, UniGrip is our most impressive single channel suspension solution to-date.

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

See UniGrip product information on page 38
For further information please call +44 (0)114 275 2255 or email sales@gripple.com
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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<td>56</td>
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</tbody>
</table>
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 DW144
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

Available Sizes and Load Ratings

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>2</td>
<td>45 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>3</td>
<td>90 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>4</td>
<td>225 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>5</td>
<td>325 kg</td>
<td>5:1 SWL</td>
</tr>
</tbody>
</table>

Available Sizes and Load Ratings

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>2</td>
<td>45 kg</td>
<td>5:1 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.

Installation Steps

Release

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

Product codes

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Angel

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

Aesthetic – the design complements modern building design
Discreet – supplied with 1.5 mm wire for a unobtrusive suspension
Quick – ergonomic button allows for easy, rapid adjustment
Strong – 15 kg SWL to accommodate a wide range of fittings
Versatile – variety of different foot and End Fixings for attachment to a wide range of products and substrates
Safe – no tools or ‘hot works’ permit required for installation, improving health and safety on-site

* Available Sizes and Load Ratings *

<table>
<thead>
<tr>
<th>No.</th>
<th>15 kg</th>
<th>5:1 SWL</th>
</tr>
</thead>
</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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Installation Steps

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

Angel Feet

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

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

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

Side Exit Male
• Threaded male foot, ideal for direct attachment to light fittings, frames and acoustic panels
• Available in M6 and 1/4" UNC, as standard
• 5 mm minimum exposed thread length as standard, bespoke lengths on request
• Side wire exit

Central Exit
• Threaded male foot, ideal for direct attachment to light fittings
• Available in M6 and 1/4" UNC, as standard
• 5 mm minimum exposed thread length as standard, bespoke lengths on request
• Side wire exit

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

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

Four Point
• Ideal for light panels with multi fixing points
• Perfect for even balance of square modules
• Side wire exit

Angel Knockout
• Ideal for fast installation and easy adjustment of acoustic panels
• Standard 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

Angel Helix
• Ideal for fast installation and easy adjustment of acoustic panels
• Helix screw locks simply into acoustic panels using a hex key
• Locks into acoustic panel with audible click to confirm secure installation
• Central and Side wire exit options
Fire Rated 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 DW144

**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

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### How to work out your unique product code:

1. **CHOOSE YOUR PRODUCT**
   - **Hanger Kit Codes**
   - **Hanger Kit Codes**

2. **CHOOSE YOUR END FIXING**
   - **Loop**
   - **Stud**
   - **Snap Hook**
   - **End Stop**

3. **CHOOSE YOUR WIRE LENGTH**
   - **1M**
   - **2M**
   - **3M**
   - **4M**
   - **5M**
   - **10M**

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.

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**Available Sizes and Load Ratings**

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

*Stud available in M6, M8 or M10. Barrel available in M6 or M8. Please substitute the (*) for the size required when ordering, e.g. - S8G for an M8 Stud.*

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**Installation Steps**

**Release**

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

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

Quick – up to 6 times faster than traditional suspension systems
Safe – can be pre-installed to channel using pre-fitted washer/nut or using retention clip reducing time working at height
Easy – integral ergonomically designed release button allows for simple adjustment
Secure – button acts as a locking screw and indicator clearly highlights the wire is locked in position for ultimate security
Versatile – variety of foot attachments available to suit applications
Strong – highest load rating capability to date up to 250 kg with 5:1 SWL

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.

Available Sizes and Load Ratings

<table>
<thead>
<tr>
<th>No. 2</th>
<th>55 kg</th>
<th>5:1 SWL</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 3</td>
<td>110 kg</td>
<td>5:1 SWL</td>
</tr>
<tr>
<td>No. 4</td>
<td>250 kg</td>
<td>5:1 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.
Trapeze Plus Fire Rated

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

**Fire rated** – supplied with stainless steel wire. BRE tested to F120 to the temperatures associated with BS476 Part 20 / DIN4102 Part 2. Independent test data available with load limits and exposure times

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

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

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

**Strong** – industry approved

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

*Available Sizes and Load Ratings*

<table>
<thead>
<tr>
<th>No.</th>
<th>Load</th>
<th>SWL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>45 kg</td>
<td>3:1</td>
</tr>
<tr>
<td>3</td>
<td>90 kg</td>
<td>3:1</td>
</tr>
<tr>
<td>4</td>
<td>225 kg</td>
<td>3:1</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*


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 DW144 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

*Available Sizes and Load Ratings*

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

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 airflow leakage and dampens vibration
Strong – industry approved, conforms to DW144 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

Hanger Kit Codes

How to work out your unique product code:

1  CHOOSE YOUR PRODUCT
   (e.g. UG2-LG-4M)

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

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**Y-Fit Kit Codes**

How to work out your unique product code:

1. **CHOOSE YOUR PRODUCT**
   - Y-Fit YHF1
   - Y-Fit YHF2
   - Y-Fit YHF3
   - Y-Fit Accessory AY1
   - Y-Fit Accessory AY2
   - Y-Fit Accessory AY3

2. **CHOOSE YOUR LEG END FIXING**
   - Loop LG
   - Toggle TG
   - Snap Hook HG
   - Link Hook NG
   - Cable Tray Hook CTG

3. **CHOOSE YOUR WIRE LENGTH**
   - 1M
   - 2M
   - 3M
   - 4M
   - 5M
   - 10M

   *Not available on Y-Fit Accessory

4. **CHOOSE YOUR LEG LENGTH**
   - 150MM
   - 300MM
   - 500MM

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

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Enter your unique product code (e.g. YHF3-HG-4M-300MM):

**PRODUCT**

**LEG END FIXING**

**WIRE LENGTH**

**LEG LENGTH**

For more available End Fixings and further product information please call 0800 0184 264 or visit our website [www.gripple.com](http://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 discreet finish  
**Safe** - no “hot works” permit required for installation, improving health and safety on-site  
**Easily tensioned** - using the Gripple Catenary Tensioning Tool reducing time spent working at height  
**Secure** - locking mechanism in the Lockable Plus prevents dynamic movements  
**Strong** - industry approved  
**Lightweight** - easy to move and handle on-site, whilst reducing the load on the building structure

**Available Sizes and Load Ratings**

<table>
<thead>
<tr>
<th>No. 3</th>
<th>30 kg 5:1 SWL</th>
<th>No. 6</th>
<th>100 kg 5:1 SWL</th>
</tr>
</thead>
</table>

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

**Installation Steps**

- Catenary Kit & C-Clip
- C-Clip 3 mm CC3
- C-Clip 6 mm CAT-BRACKET-100MM

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

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
Secure – safety locks ensure security once brackets & tracks are in place
Zero waste – tracks bend neatly under bracket
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 fixing points in the soffit
Neat & tidy – system can be ‘stacked’ on-site to reduce storage

Fast Trak Kit Codes

How to work out your unique product code:

1. CHOOSE YOUR BRACKET LENGTH

2. CHOOSE YOUR TRACK LENGTH

Optional Accessories

Cable Basket Clip
Cable Tray Clip
QT Compact Clamp

Innovative packaging

Neat and tidy - system can be “stacked” on-site to reduce storage
Environmentally friendly - significantly reduced cardboard coverage, reducing waste
User friendly - Easy to carry using pre-installed handle

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 OD1 (15 mm copper) to OD114 (4” steel)

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

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

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

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

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

**Available Sizes and Load Ratings**

<table>
<thead>
<tr>
<th>Size</th>
<th>Load Rating</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Rubber pad for insulation purposes 14 dbA reduction.</td>
<td></td>
</tr>
<tr>
<td>Large</td>
<td>Improved fit for large dia. pipe Most suitable for 3” and above 16 dbA reduction.</td>
<td></td>
</tr>
<tr>
<td>Acoustic</td>
<td>Designed to reduce noise related to water pressure 23 dbA reduction.</td>
<td></td>
</tr>
</tbody>
</table>

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.

Universal Bracket

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

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

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

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

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

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

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

**Size Variants**

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

**Available in 100 mm increments from 240 mm - 1540 mm**

SWL 150 kg

**Installation Steps**

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

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

Quick – up to ten times faster than traditional methods due to integral mounting pillar and quarter turn attachment to Gripple Brackets
Simple – no tools required for installation
Universal – replaces more than 13 different pipe rings from OD15 (15 mm copper) to OD114 (4” steel)
Robust – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion
Versatile – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)
Strong – 75 kg SWL with a 3:1 safety factor (equivalent to OD 89 (3” steel) filled with water)
Compatible – available with Kooltherm/Armaflex pipe collars for insulated pipe
Safe – supplied in ready-to-use kits with Gripple Brackets, for easy site storage and waste reduction

Low Profile Bracket

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

Quick – pre-cut lengths eliminating the need for cutting channel on-site, allowing more productive use of labour
Versatile – can be bolted directly to soffit or wall with less than 15 mm depth
Compatible – brackets are supplied with QT Universal Clamps or QT Compact Clamps featuring quarter turn fixing
Safe – improved health and safety as no tools or “hot works” permit required for installation
Strong – 150 kg load rating in sizes ranging from 250 mm to 1550 mm

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

<table>
<thead>
<tr>
<th>Available Sizes and Load Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
</tr>
<tr>
<td>Rubber pad for insulation purposes</td>
</tr>
<tr>
<td>14 dBa reduction.</td>
</tr>
</tbody>
</table>

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

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Accessories Page 74
Technical Page 86
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Contact Gripple for full product information, submittal data and technical support.

End Fixings Page 58
Accessories Page 74
Technical Page 86
Product codes Page 55
Universal Clamp

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

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

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

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

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

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

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

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

---

### Universal Clamp

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

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

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

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

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

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

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

---

### Pipework Kit Codes

**How to work out your unique product code:**

1. **CHOOSE YOUR UNIVERSAL OR LOW PROFILE BRACKET**

   ![Universal Bracket](image1)

   - Universal Bracket
   - Low Profile Bracket

<table>
<thead>
<tr>
<th>Universal Bracket</th>
<th>Low Profile Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 mm PB240</td>
<td>250 mm PB250</td>
</tr>
<tr>
<td>340 mm PB340</td>
<td>350 mm PB350</td>
</tr>
<tr>
<td>440 mm PB440</td>
<td>450 mm PB450</td>
</tr>
<tr>
<td>540 mm PB540</td>
<td>550 mm PB550</td>
</tr>
<tr>
<td>640 mm PB640</td>
<td>650 mm PB650</td>
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<tr>
<td>740 mm PB740</td>
<td>750 mm PB750</td>
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<tr>
<td>840 mm PB840</td>
<td>850 mm PB850</td>
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<tr>
<td>940 mm PB940</td>
<td>950 mm PB950</td>
</tr>
<tr>
<td>1040 mm PB1040</td>
<td>1050 mm PB1050</td>
</tr>
<tr>
<td>1140 mm PB1140</td>
<td>1150 mm PB1150</td>
</tr>
<tr>
<td>1240 mm PB1240</td>
<td>1250 mm PB1250</td>
</tr>
<tr>
<td>1340 mm PB1340</td>
<td>1350 mm PB1350</td>
</tr>
<tr>
<td>1440 mm PB1440</td>
<td>1450 mm PB1450</td>
</tr>
<tr>
<td>1540 mm PB1540</td>
<td>1550 mm PB1550</td>
</tr>
</tbody>
</table>

2. **CHOOSE YOUR CLAMP QUANTITY**

   ![Clamp Quantity](image2)

   - Standard
   - Large
   - Acoustic

<table>
<thead>
<tr>
<th>Standard</th>
<th>Large</th>
<th>Acoustic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rubber pad for insulation purposes</td>
<td>Improved fit for large dia. pipe</td>
<td>Designed to reduce noise related to water pressure 20 dba reduction</td>
</tr>
</tbody>
</table>

3. **CHOOSE YOUR TYPE OF CLAMP**

   ![Type of Clamp](image3)

   - QT Universal Clamp T
   - QT Compact Clamp C
   - Universal Clamp I

4. **OPTIONAL ACCESSORIES**

   ![Optional Accessories](image4)

   - Wall Bracket WB
   - Spreader Band SPREADER-BAND

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

- **BRACKET**
- **CLAMP QUANTITY**
- **TYPE OF CLAMP**
- **WIRE LENGTH**
- **OPTIONAL ACCESSORIES**

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

For more available End Fixings and further product information please call **0800 0184 264** or visit our website [www.gripple.com](http://www.gripple.com) for further details.
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 more available End Fixings and further product information please call 0800 0184 264 or visit our website www.gripple.com for further details.
## End Fixings

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop &amp; Stud</td>
<td>60</td>
</tr>
<tr>
<td>Toggle &amp; Snap Hook</td>
<td>61</td>
</tr>
<tr>
<td>Cable Tray Hook &amp; Mini Hook</td>
<td>62</td>
</tr>
<tr>
<td>Barrel &amp; Top Hat</td>
<td>63</td>
</tr>
<tr>
<td>End Stop &amp; Eyelet</td>
<td>64</td>
</tr>
<tr>
<td>45° Eyelet &amp; 90° Eyelet</td>
<td>65</td>
</tr>
<tr>
<td>Cladding Hook &amp; Ring Anchor</td>
<td>66</td>
</tr>
<tr>
<td>Ceiling Anchor &amp; Link Hook</td>
<td>67</td>
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<td>Karabiner &amp; C-Clip</td>
<td>68</td>
</tr>
<tr>
<td>Shot Fire &amp; Channel Nut</td>
<td>69</td>
</tr>
<tr>
<td>Decking Wedge &amp; Alphawedge</td>
<td>70</td>
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<tr>
<td>Multiwedge 2 &amp; TR60 Wedge</td>
<td>71</td>
</tr>
<tr>
<td>MF Wedge &amp; Twist Clip (White)</td>
<td>72</td>
</tr>
<tr>
<td>Magnetic Pad &amp; QT Barrel</td>
<td>73</td>
</tr>
</tbody>
</table>
Loop

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

Stud

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

Snap Hook

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

Toggle

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

Available Hangers

<table>
<thead>
<tr>
<th>Size</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 (0 - 10 kg) M6</td>
<td>20</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>No. 2 (10 - 45 kg) M6</td>
<td>20</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>No. 3 (45 - 90 kg) M6</td>
<td>20</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>No. 4 (90 - 225 kg) M6</td>
<td>20</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>No. 5 (225 - 325 kg) M6</td>
<td>45</td>
<td>77</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 (0 - 10 kg) M8</td>
<td>20</td>
<td>46</td>
<td>6.2</td>
<td>5.9</td>
<td>60</td>
</tr>
<tr>
<td>No. 2 (10 - 45 kg) M8</td>
<td>45</td>
<td>70</td>
<td>6.2</td>
<td>9.9</td>
<td>40</td>
</tr>
<tr>
<td>No. 3 (45 - 90 kg) M10</td>
<td>45</td>
<td>77</td>
<td>6.2</td>
<td>18.0</td>
<td>40</td>
</tr>
</tbody>
</table>

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

Installation

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

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

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

Installation

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size</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>

Barrel

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

Installation

Install fixings in accordance with manufacturer’s specifications.

Available Hangers

<table>
<thead>
<tr>
<th>Size</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>12</td>
<td>45</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>No. 2</td>
<td>12</td>
<td>45</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

Top Hat

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

Installation

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

Available Hangers

<table>
<thead>
<tr>
<th>Size</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>
End Stop

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

**Available Hangers**

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 (0 - 10 kg)</td>
<td>4.2</td>
<td>5.7</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>No. 2 (10 - 45 kg)</td>
<td>6.2</td>
<td>7.8</td>
<td>18.8</td>
<td>2</td>
</tr>
<tr>
<td>No. 3 (45 - 90 kg)</td>
<td>6.2</td>
<td>9.8</td>
<td>10.6</td>
<td>2.8</td>
</tr>
</tbody>
</table>

**Installation**

Install fixings in accordance with manufacturer’s specifications.

Eyelet

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

**45° Eyelet**

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

**Available Hangers**

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2 (0 - 45 kg)</td>
<td>11.2</td>
<td>29</td>
<td>52</td>
</tr>
<tr>
<td>No. 3 (45 - 90 kg)</td>
<td>11.2</td>
<td>29</td>
<td>52</td>
</tr>
</tbody>
</table>

**Installation**

Install fixings in accordance with manufacturer’s specifications.

Eyelet

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

**90° Eyelet**

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

**Available Hangers**

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 (0 - 10 kg)</td>
<td>7.5</td>
<td>25</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>No. 2 (10 - 45 kg)</td>
<td>7.5</td>
<td>25</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>No. 3 (45 - 90 kg)</td>
<td>7.5</td>
<td>25</td>
<td>38</td>
<td></td>
</tr>
</tbody>
</table>

**Installation**

Install fixings in accordance with manufacturer’s specifications.
Cladding Hook

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

Available Hangers

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2</td>
<td>59</td>
<td>5</td>
<td>24</td>
</tr>
</tbody>
</table>

Installation

Link Hook

- Ideal for use with cable tray
- Available up to 45 kg SWL, with up to 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

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>6</td>
<td>15</td>
<td>48</td>
</tr>
<tr>
<td>No. 2</td>
<td>6</td>
<td>15</td>
<td>48</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>6</td>
<td>65</td>
<td>50</td>
</tr>
<tr>
<td>No. 2</td>
<td>6</td>
<td>65</td>
<td>50</td>
</tr>
</tbody>
</table>

Installation

Ring Anchor

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

Available Hangers

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>6</td>
<td>65</td>
<td>50</td>
</tr>
<tr>
<td>No. 2</td>
<td>6</td>
<td>65</td>
<td>50</td>
</tr>
</tbody>
</table>

Installation
Karabiner

- Provides 9 mm clearance
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request
- Available in Stainless steel (page 36)

C-Clip

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

Installation

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
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<tbody>
<tr>
<td>No. 1</td>
<td>6</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>No. 2</td>
<td>6</td>
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</tr>
<tr>
<td>No. 3</td>
<td>8</td>
<td>10</td>
<td>80</td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Channel Nut

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

Installation

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 mm C-Clip</td>
<td>12</td>
<td>26</td>
<td>33</td>
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<tr>
<td>6 mm C-Clip</td>
<td>23</td>
<td>45</td>
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</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.

Shot Fire

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

Installation

<table>
<thead>
<tr>
<th>Size</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
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<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>

Install fixings in accordance with manufacturer’s specifications.
Decking Wedge

- 25 mm version designed for use with SMD RS1, Comflor 51, Hololit, Multideck 50 and Metfloor S5
- 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

18 mm Wedge

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

25 mm Wedge

<table>
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<tr>
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<th>A (Ø)</th>
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<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>

Available Hangers

- Available in 18 mm and 25 mm sizes
- Comes as a ready-to-use kit with Gripple wire rope and hanger

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

Installation

<table>
<thead>
<tr>
<th>Size</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

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

Available Hangers

- Available in 18 mm and 25 mm sizes
- Comes as a ready-to-use kit with Gripple wire rope and hanger

Installation

<table>
<thead>
<tr>
<th>Size</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
Accessories

- Anchoring Solutions  page 76
- Beams & Purlins  page 78
- Brackets & Attachments  page 80
- Adaptors  page 82
- UniGrip & Hanger Accessories  page 84
- Tools & Finishing Accessories  page 85
Anchoring Solutions

Drop-In Anchor
- Suitable or cracked and non-cracked concrete, precast hollow concrete and hard natural stone
- Internal threaded anchor with fixed end for easy setting

Concrete Wire Anchor
- Suitable for non-cracked concrete and hard natural stone
- Stainless steel (304/A2)
- CISTB test report

Concrete Screw
- Suitable for cracked and non-cracked concrete
- Ideal for use with the 90° Eyelet End Fixing (page 65)
- 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 M6 Barrel End Fixing (page 63)
- 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 60)
- 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 60)

Concrete Ceiling Anchor
- Suitable for non-cracked concrete and hard natural stone
- Knock into a pre-drilled hole and pull with a claw hammer to set
- Ideal for use with the Standard Hanger (page 32)

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 65)
- Removable

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

Barrel Wood Screw
- Easy-fit wood screw with integrated M6 thread connection
- Ideal for use with the M6 Barrel End Fixing (page 63)
**Ceiling Clip Wood Screw**
- Designed for screwing into wood
- Allows for pivotal movement
- Ideal for use with the Loop End Fixing (page 60)
- *Safety rating: 3:1*  

**M8 Decking Adaptors**
- Ideal for use with the 1½T and 1½F Accessory (page 44)
- M8 thread with 12 mm diameter eye
- Can be combined with other decking fixings: AlphaWedge, M6 Wedge, Multiwedge 2 and TR60 (pages 70 - 72)
- *Safety rating: 3:1*

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (Ø)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. SWL (kg)</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>ADP-M8-W25</td>
<td>5.6</td>
<td>31</td>
<td>56</td>
<td>40</td>
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<tr>
<td>ADP-M8-W27</td>
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<td>32</td>
<td>56</td>
<td>40</td>
<td>6.7</td>
<td>32</td>
</tr>
</tbody>
</table>

**Beams & Purlins**
- Ideal for use with the Snap Hook End Fixing (page 61)

**Tiger Clip**
- Hammer-on installation
- Accommodates a wide variety of flange thicknesses
- Ideal for use with the Snap Hook End Fixing (page 61)
- *Safety rating: 5:1*

**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 61)
- *Safety rating: 3:1*

**Catenary Steel Anchor**
- Designed for blind fixing where only one side of beam is accessible
- Accommodates wide range of steel thickness (5 - 22 mm)
- Fast install into a 14 mm hole with 13 mm and 19 mm spanners
- Ideal for use with Catenary Kits (page 46)
- *Safety rating: 3:1*

**Catenary Steel Anchor**
- Designed for blind fixing where only one side of beam is accessible
- Accommodates wide range of steel thickness (5 - 22 mm)
- Fast install into a 14 mm hole with 13 mm and 19 mm spanners
- Ideal for use with Catenary Kits (page 46)
- *Safety rating: 3:1*

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. SWL (kg)</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>GSP318-EYENUT-12</td>
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<td>19</td>
<td>58</td>
<td>56</td>
<td>62</td>
<td>72</td>
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<tr>
<td>GSP20-EYENUT-12</td>
<td>12-14</td>
<td>19</td>
<td>58</td>
<td>56</td>
<td>62</td>
<td>72</td>
</tr>
<tr>
<td>GSP12-EYENUT-12</td>
<td>8-10</td>
<td>19</td>
<td>58</td>
<td>56</td>
<td>62</td>
<td>72</td>
</tr>
<tr>
<td>CAT-STEEL-ANCHOR</td>
<td>18</td>
<td>46</td>
<td>7</td>
<td>320</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**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 61)
- *Safety rating: 3:1*  

**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 61)
- *Safety rating: 3:1*
Brackets & Attachments

Universal Bracket
- Can be bolted directly to soffit or wall, suspended from the soffit using threaded rod or Gripple Hanger e.g. Trapeze
- Eliminates the need for cutting channel on site
- Integrates with Trapeze No. 2 and Y-Fit
- Available in 100 mm increments from 240 mm - 1240 mm
- Bespoke sizes available on request

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>PB-1200</td>
<td>1200</td>
<td>44</td>
<td>44</td>
<td>150</td>
<td>950</td>
<td>10</td>
</tr>
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</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>D (mm)</th>
<th>Max. Bracket Load (kg)</th>
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<td>1240</td>
<td>48</td>
<td>65</td>
<td>10</td>
<td>346</td>
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</tr>
</tbody>
</table>

Universal Bracket Beam Clamp
- Allows brackets to be fixed directly to beams for pipe runs close to the dock
- Suitable for a wide range of flange sizes (up to 40mm)
- Quick and easy installation
- Compatible with all Gripple Universal Brackets (page 51)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>Bracket</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>PB-BEAM-CLAMP</td>
<td>1200</td>
<td>44</td>
<td>65</td>
<td>500</td>
<td>180</td>
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</tr>
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</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 44)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>Bracket</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-BRACKET-100</td>
<td>100</td>
<td>48</td>
<td>65</td>
<td>10</td>
<td>80</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>Bracket</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-SPACER</td>
<td>100</td>
<td>48</td>
<td>65</td>
<td>10</td>
<td>80</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>D (mm)</th>
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<tbody>
<tr>
<td>CWB-100</td>
<td>100</td>
<td>45</td>
<td>50</td>
<td>10</td>
<td>348</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 DW144 best practice
- Use with UniGrip No. 2 and No. 3 (page 38)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>TPZ-BRACKET</td>
<td>1200</td>
<td>45</td>
<td>75</td>
<td>10</td>
<td>150</td>
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</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

Fixings to wall supplied separately

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB-BRACKET-MEDIUM</td>
<td>1200</td>
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<td>75</td>
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<td>150</td>
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<table>
<thead>
<tr>
<th>Product code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>Max. Bracket Load (kg)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB-BEAM-CLAMP</td>
<td>1200</td>
<td>45</td>
<td>75</td>
<td>10</td>
<td>150</td>
<td>10</td>
</tr>
</tbody>
</table>
Adaptors

**Pigtail**
- Fast and secure anchor suitable for use with the Loop End Fixing (page 60)
- Ideal for use with the Drop-In Anchor (page 78)
- Allows Loop to be removed for maintenance

2:1 Safety rating - dependent on base material

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
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<tbody>
<tr>
<td>TBK8-R80</td>
<td>13</td>
<td>80</td>
<td>10</td>
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</tr>
<tr>
<td>TBK10-R200</td>
<td>13</td>
<td>200</td>
<td>22</td>
<td>100</td>
</tr>
</tbody>
</table>

**Turnbuckle**
- Ideal for cold room panels
- One end with closed-eye/cone and with straight threaded rod
- Use with the Standard Hanger (page 32)

2:1 Safety rating - dependent on material

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EYEBOLT-M8-20MM</td>
<td>12</td>
<td>20</td>
<td>98</td>
<td>120</td>
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<tr>
<td>EYEBOLT-M8-130MM-F/TH</td>
<td>12</td>
<td>130</td>
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<td>120</td>
</tr>
<tr>
<td>EYEBOLT-M10-130MM-F/TH</td>
<td>12</td>
<td>130</td>
<td>190</td>
<td>120</td>
</tr>
</tbody>
</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 32)

2:1 Safety rating - dependent on material thickness

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIP-SPG-68</td>
<td>13</td>
<td>68</td>
<td>3.8</td>
<td>90</td>
</tr>
</tbody>
</table>

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

2:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSK-10</td>
<td>6</td>
<td>10</td>
<td>98</td>
<td>120</td>
</tr>
<tr>
<td>LSK-13</td>
<td>6</td>
<td>13</td>
<td>98</td>
<td>120</td>
</tr>
</tbody>
</table>

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

2:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TJK6-80</td>
<td>12</td>
<td>80</td>
<td>15</td>
<td>100</td>
</tr>
<tr>
<td>TJK8-80</td>
<td>12</td>
<td>80</td>
<td>15</td>
<td>100</td>
</tr>
<tr>
<td>TJK10-100</td>
<td>12</td>
<td>100</td>
<td>15</td>
<td>100</td>
</tr>
</tbody>
</table>

**Acoustic Spring Anchor**
- Ideal for use with the Standard Hanger, Angel Hook or Express
- Available in standard (40 mm) and large size (70 mm) with 3 mm inner diameter
- No tools required for installation
- Sold as part of a kit call (8800 928 4264 for more information
- Maximum back ratings will vary. Contact Gripple Technical Services for more information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSM</td>
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<td>68</td>
<td>30</td>
<td>70</td>
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<tr>
<td>VSM</td>
<td>30</td>
<td>68</td>
<td>30</td>
<td>70</td>
</tr>
</tbody>
</table>

**T-Bar Twist Clip**
- Ideal for attaching to suspended ceilings
- Integral M6 thread
- Ideal for use with the Barrel End Fixing (page 63)
- Suitable for 25 mm T-Bar

3:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBAR-CLIP-M6</td>
<td>98</td>
<td>16</td>
<td>22</td>
<td>100</td>
</tr>
</tbody>
</table>

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

3:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KARA-6-60</td>
<td>13</td>
<td>60</td>
<td>3.8</td>
<td>90</td>
</tr>
<tr>
<td>KARA-8-80</td>
<td>13</td>
<td>80</td>
<td>3.8</td>
<td>90</td>
</tr>
</tbody>
</table>

**Wedge Nuts**
- Ideal for use with the Stud End Fixing (page 60)
- Also supplied as a Decking Wedge End Fixing (page 70)
- Available in 18 mm and 25 mm sizes

3:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEDGE8-25</td>
<td>13</td>
<td>25</td>
<td>2.5</td>
<td>40</td>
</tr>
<tr>
<td>WEDGE8-32</td>
<td>13</td>
<td>32</td>
<td>2.5</td>
<td>40</td>
</tr>
</tbody>
</table>

**Eyebolt**
- Closed-eyes for ultimate strength
- Ideal for suspending services with Standard Hanger (page 32)
- Available fully threaded or partially threaded

3:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EYEBOLT-M8-20MM</td>
<td>12</td>
<td>20</td>
<td>98</td>
<td>120</td>
</tr>
</tbody>
</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 Halibut Fitting (page 44)

4:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINKH-M10-100</td>
<td>12</td>
<td>100</td>
<td>190</td>
<td>120</td>
</tr>
</tbody>
</table>

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

5:1 Safety rating

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Max. SWL (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KARA-8-80</td>
<td>13</td>
<td>80</td>
<td>3.8</td>
<td>90</td>
</tr>
</tbody>
</table>
### UniGrip & Hanger Accessories

#### Standard No. 2 & 3
- Designed for non-mechanical fixing through brackets
- Supplied with retention clip for pre-fabrication applications
- Central wire exit

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

#### Cable Basket Adaptor No. 2
- Designed for fast suspension of cable baskets (up to 6mm thickness)
- Eliminates requirement for channel bearers
- Central wire exit

#### QT No. 2 & 3
- Designed for use with Gripple Universal Brackets
- Quarter turn installation, no mechanical fix required
- Safety dip for added security
- Central wire exit

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

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

### Tools & Finishing Accessories

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

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

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

#### Driver Bit
- For use with a power driver
- Torx head to fit Concrete Screw or Cracked Concrete Screw (page 76)

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

#### Protecting 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 use up to 3 mm diameter wire rope, or large, providing greater leverage for up to 6 mm diameter wire rope

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

#### Spreader Band
A flexible accessory for spreading the load of various suspended services
- Snap to length as required, live hinges allow for flexibility
- For use with 2 mm and 3 mm wire
- Spreads load of services over wider band
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 ECO₂ 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 OSHA 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.
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>

Rectangular Ducting

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

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>
<td>No. 4</td>
</tr>
</tbody>
</table>

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

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

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>
<td>No. 4</td>
</tr>
</tbody>
</table>

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

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.
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.

**Hanging At An Angle To Vertical**
Ensure that the load calculation considers the effect of “side load”. For example, at an angle of 60° to vertical the SWL is effectively reduced by 50%.

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

**Environment**
Do not use in chlorinated or chemically corrosive atmospheres.

**Wire Rope**
Always use the fastener supplied and specified wire rope. Never use on coated wire rope or other rope. Trim any damaged filaments with the wire cutter before use.

**Installation**
Do not walk or stand on the Gripple product installation unless expressly designed for this purpose.

**Painting**
Do not paint the hanger prior to installation. Ensure that the hanger is in its final position prior to applying any paint to the wire rope assembly. Do not move the fastener after painting.

**Quality & Approval**