Construction Product Guide

Products for the suspension of building services
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About

HEATING, VENTILATION, FAN COIL UNITS, CHILLED BEAMS, DUCTWORK, SOLAR PANELS, CONDUIT, AIR CONDITIONING UNITS, MECHANICAL, PIPING, LADDER TRAY, CABLE BASKET, STRIP LIGHTING, HIGH BAY FLUORESCENTS, TROFFER SUPPORTS, CATENARIES, SHOPFITTING, SIGNAGE, ACOUSTIC BAFFLES, SUSPENDED CEILINGS, BRACING.
About Gripple

Gripple is an employee-owned company that prides itself on product innovation and a culture of charity and fun. Of the 500-strong Gripple employees working worldwide, over 100 are dedicated to servicing North America. Our Territory Managers here are experts in providing suspension solutions for HVAC, Mechanical, Electrical, Lighting, Acoustics, and Signage. And our manufacturing facility and support teams in Aurora, Illinois enable us to offer flexible, centralized service to the US, Canada, and Mexico.

“...Gripple’s capabilities are recognized, admired, and trusted worldwide.”

From contractors to consultants, we offer:

- Material Take Offs (MTO’s) – we’ll advise on what you need and where
- CAD drawings
- Bill of Materials (Gripple product & quantities)
- On-site visits to discuss potential suspension solutions
- Product training – for specific installations or for the latest new products
- Regular on-site advice until job completion
- Fast product delivery

What we do

Time Savings

Save up to 85% on installation times for your suspended services when you use Gripple’s cable hanger kits, as compared to traditional suspension methods. Not only is the installation faster, no pre-work, such as cutting or fling, is required.

Health & Safety

Gripple cable hanger kits are ready-to-use straight from the box, removing the need for potentially hazardous cutting on site. One box of Standard No.2 cable hanger kits weighs just 17 lbs, doing the same job as 330 lbs of threaded rod and strut. Not only is the weight and bulk of materials to carry reduced, but also the time spent working at heights.

CO2 Savings

For every foot of Gripple cable specified to replace threaded rod, it is estimated that a savings of 2.7 lbs of embodied CO2 is realized. This equates to a total embodied CO2 saving of up to 95% when switching from threaded rod to Gripple cable hangers.

Aesthetics

Gripple cable hanger kits are lightweight and virtually invisible from the ground. Comparing 1/8” cable to 3/8” threaded rod, the difference is easy to see. With a trend towards exposed services, Gripple cable kits enhance the aesthetics significantly, especially in retail environments. We also offer a range of black cable kits ideal for cinemas, theaters and other areas where the ceiling is painted black (See page 22).
The Gripple® range of supports and hangers for piping applications has been developed to provide a fast and versatile solution for suspending all types of pipe and mechanical installations.

Gripple products are designed to save time & labor and reduce costs by making the installation quick and easy. 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 USA, and are designed to save you time and labor costs, thus improving the efficiency of your installation. Unlike traditional suspension methods, Gripple kits do not require cutting or filing. Gripple suspension solutions offer aesthetic design without compromising on strength, and are supplied in ready-to-use kits with a choice of cable length and end fixing.
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 & labor 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 working at heights, offering enormous health and safety benefits for your project.
The Gripple® range of suspension solutions for lighting are manufactured in the UK and USA, and have been designed to save you time, money, and labor by improving the efficiency of the installation process. Unlike traditional suspension methods, Gripple kits eliminate on-site cutting or filing, resulting in much better health and safety benefits for your team.

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

Angel has a wide range of feet options available to suit your lighting application. See page 31 for details.

Products shown only for internal use. 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 fast and versatile solutions for prefabricated building services modules, even those requiring installation in tight, hard to reach places.

Our products are manufactured in the UK and USA, and are designed to save you time and labor costs, thus improving the efficiency of your installation. As a proven method of installation, cable hangers can be pre-installed onto modules on the ground, reducing time from module arrival on site to module installation, and with less risk of damage to the module. As a result, installation time is dramatically reduced compared to traditional methods, with no need for cutting, filing, or bending rod into place.

Products shown only for internal use. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.
The Gripple® range of signage hanger products has been developed to provide a complete solution 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 product design provides a sleek, professional finish, without compromising on strength.

Our kits have been designed to save you time and labor by making installation quick and easy.

Products shown only for internal use. Images shown for illustrative purposes only.

Please refer to product installation instructions for full information.
The Gripple® range of hangers for acoustic applications are manufactured in the UK and USA, and have been designed to save you time, money, and labor by improving the efficiency of the installation process. Unlike traditional hanging methods, Gripple kits require no on-site cutting or filing, and offer enormous time-saving benefits for your project.

Gripple products can fit directly into acoustic baffles, panels, 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 cable length.
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 cable suspension systems have always proved perfectly suited to the design of many modern buildings, whether building services in the ceiling space are left exposed and visible, or for specific applications such as the suspension of lighting. The new Black line of products aims to build on this success and will be ideal for use in a wide variety of environments where aesthetics and dark ceilings are prevalent, including retail spaces, theaters, exhibition venues, and concert halls.

Each ready-to-use kit is supplied with a black cable, black fastener, and your choice of black end fixing.

For further information please call 1 866 474 7753 or email grippleinc@gripple.com

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

Seismic Bracing & Blast Protection

Seasonal Decoration (External Cable Strut)

Rooftop Bracing Solutions

Solar Panel Installation
Standard Hanger

Cable hanger kit containing the original Gripple HangFast fastener, for suspending a variety of HVAC, piping, lighting, and electrical services.

- The only Gripple Hanger available in sizes No.1 thru No.5, with Safe Working Loads from 25 thru 715 lbs per hanger
- Ideal for fast suspension of any suspended service
- Up to 6 times faster to install than traditional methods
- Versatile and simple to use
- Strong, safe, and industry approved
- Aesthetically discreet and lightweight
- Fastener can be released with a Release Key to adjust or level the height of the service

Supplied as ready-to-use kits with a length of cable, Standard fastener, and end fixing of your choice.

<table>
<thead>
<tr>
<th>5:1 SAFETY FACTOR</th>
<th>LOAD RATING PER HANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>25 lbs</td>
</tr>
<tr>
<td>No.2</td>
<td>100 lbs</td>
</tr>
<tr>
<td>No.3</td>
<td>200 lbs</td>
</tr>
<tr>
<td>No.4</td>
<td>495 lbs</td>
</tr>
<tr>
<td>No.5</td>
<td>715 lbs</td>
</tr>
</tbody>
</table>

Express Hanger

For the fast suspension of a variety of services, designed with an easy push-button release mechanism.

- The Express No.1 is ideal for signage, shopfitting, lighting, and other lightweight fixtures
- The Express No.2 is ideal for mechanical and electrical services
- Up to 6 times faster to install than traditional methods
- Discreet and aesthetic design
- Ergonomic push buttons are easy to use
- No release key required to adjust or level the service

Supplied as ready-to-use kits with a length of cable, Express fastener, and end fixing of your choice.

<table>
<thead>
<tr>
<th>5:1 SAFETY FACTOR</th>
<th>LOAD RATING PER HANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>33 lbs</td>
</tr>
<tr>
<td>No.2</td>
<td>100 lbs</td>
</tr>
</tbody>
</table>

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* When releasing: 1. Remove load, 2. Insert release key into hole, 3. Pull tail wire out

www.gripple.com       +1 630 406 0600
Angel Hanger

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

- Simple one handed operation for easy height/leveling adjustment by pressing in on “wings”
- Contemporary design to complement the overall suspension
- Extensive range of cable end fixing options allowing installation in most structure types
- Variety of feet options to enable attachment in different ways
- Uses 1/16" cable to make the suspension as visually discreet as possible

Supplied as ready-to-use kits with a length of cable, Angel fastener, and end fixing of your choice.

5:1 SAFETY FACTOR

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Installation

Release*

* When releasing: 1. Remove load, 2. Squeeze wings, 3. Raise or lower on cable

Angel Feet Options

The Angel fastener is extremely versatile, with a range of feet options available to suit every application.

Y-Fit
- Dual fixing points for balance
- Ideal for suspending light fixtures
- 6", 12" and 18" leg lengths as standard
- Various end fixing options for legs

Available with a range of feet options

Signage
- Ideal for signage up to 3/16" in thickness
- Grub screw for direct attachment
- Side cable exit

Hook
- Ideal for light fittings, signage, or for use with eyebolts, spring, and wire anchors
- Integrated hook with 1/8" clearance
- Safety clasp for security
- Side cable exit

Swivel
- Swivel feature for suspension at angles up to 90º
- Available in M4, M6, M8 and 1/4" thread
- Female: maximum insertion depth 1/4"
- Male: 9/16" exposed thread length as standard
- Side cable 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" thread
- Maximum insertion depth 1/4"
- Side cable exit

Knockout
- Ideal for strip lighting with 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

Side Exit Male
- Threaded male foot, ideal for direct attachment to light fittings, frames and acoustic panels
- Available in M4, M6 and 1/4" thread as standard. M5, M8, M10 and M13 adapters available
- 9/16" exposed thread length as standard, custom lengths on request
- Side cable exit
(Center exit also available)

4 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

Supplied as ready-to-use kits with a length of cable, Angel fastener, and end fixing of your choice.
Stainless Steel Hanger

Used to suspend a variety of mechanical and electrical services in the food industry and high humidity environments.

- Stainless steel body and springs are corrosion resistant and long-lasting
- Ceramic rollers for extra strength and corrosion resistance
- Aesthetically discreet and lightweight
- Available in two sizes - loaded up to 200 lbs SWL.
- Fastener can be released with a Release Key to adjust or level the height of the service.
- Like all Gripple hangers, not suitable for use in chlorinated or swimming pool environments.

Supplied as ready-to-use kits with a length of cable, stainless steel fastener and end fixing of your choice.

5:1 SAFETY FACTOR
LOAD RATING

<table>
<thead>
<tr>
<th>No.2</th>
<th>No.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 lbs</td>
<td>200 lbs</td>
</tr>
</tbody>
</table>

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TECHNICAL
HANGER KIT CODES

Installation


Hanger Kit Codes

How to work out your unique product code

1. CHOOSE YOUR PRODUCT

2. CHOOSE YOUR END FIXING

3. CHOOSE YOUR CABLE LENGTH

Enter your unique product code (e.g. XP2-LG-10FT):

For further product information please call 1 866 474 7753 or visit our website www.gripple.com
Trapeze Hanger

Ideal for single and multi-tiered suspension of piping, electrical and HVAC services in conjunction with strut or brackets.

- Can slot into strut or brackets to suspend services with a secure cable hanger instead of threaded rod
- Aesthetic, tapered design: accommodates all slots sizes
- Discreet - fits completely inside the channel
- Pre-fits onto channel with washer to reduce working time in the air
- Available as an accessory for multi-tiered installations
- Ideal for use with Gripple Universal Bracket and QT Universal Clamp for piping installations
- Can be released by pulling pin to adjust or level the height of the service

Supplied as ready-to-use kits with a length of cable, Trapeze fastener, and end fixing of your choice.

<table>
<thead>
<tr>
<th>5:1 SAFETY FACTOR LOAD RATING</th>
<th>No.2</th>
<th>No.3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 lbs</td>
<td>200 lbs</td>
</tr>
</tbody>
</table>

Installation

Release*" When releasing: 1. Remove load, 2. Pull pin, 3. Raise or lower on cable

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Trapeze Plus Hanger

All steel Trapeze Plus is packed with new features to make the suspension of building services even more secure, and the adjustment feature even easier.

- Reduced time working at height; can pre-install onto strut using the washer/nut supplied; strut nut and washer also available as an accessory
- Easy-to-use integral release button for finite adjustment
- Tighten the locking screw to prevent upward movement on cable
- Can be used to suspend multi-tiered strut to optimize space
- Can be used with a clevis hanger to suspend piping

Supplied as ready-to-use kits with a length of cable, Trapeze Plus fastener, and end fixing of your choice.

<table>
<thead>
<tr>
<th>3:1 SAFETY FACTOR LOAD RATING</th>
<th>No.2</th>
<th>No.3</th>
<th>No.4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 lbs</td>
<td>200 lbs</td>
<td>495 lbs</td>
</tr>
</tbody>
</table>

Installation


Note: The Trapeze Plus fastener is supplied with a hex nut as standard. A strut nut & washer (shown) is available separately as an accessory.
QT Trapeze Plus

An innovative extension to the Trapeze Plus range, featuring a Quick Twist attachment to a Gripple Universal Bracket, to deliver the fastest method of installing suspended pipe or electrical services.

- Quarter turn attachment to Universal Bracket for fast and easy installation
- Easy-to-use integral adjustment button ensures perfect levelling
- Locking screw provides ultimate security
- Fail safe clip to secure into bracket - prevents unexpected movement
- Full range of end fixings deliver versatility when installing into a number of different building substrates.

Supplied as ready-to-use kits with a length of cable, Trapeze Plus fastener, and end fixing of your choice.

3:1 SAFETY FACTOR
LOAD RATING

<table>
<thead>
<tr>
<th></th>
<th>No.2</th>
<th>No.3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 lbs</td>
<td>200 lbs</td>
</tr>
</tbody>
</table>

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Installation

*Ensure a minimum 3 inches of tail cable exits the hanger

See page 47 for details on our Universal Pipe Bracket

Trapeze Plus Calibra

Engineered to adjust under load of mechanical and HVAC services, primarily heating / cooling panels or units.

- Adjustable by hand, even with significant load applied
- Easy-to-use integral release button to allow fine adjustment
- Tighten the locking screw for ultimate security
- Snap hook quickly attaches to all standard brackets and fixings
- Cable exits through the side of the hanger to avoid clashes with panels and units
- Ideal for suspending units within ceiling grids
- Supplied in ready-to-use kits

Supplied as ready-to-use kits with a length of cable, Trapeze Plus fastener, and end fixing of your choice.

3:1 SAFETY FACTOR
LOAD RATING

<table>
<thead>
<tr>
<th></th>
<th>Trapeze Plus Calibra</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>200 lbs</td>
</tr>
</tbody>
</table>

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Installation

* +1 630 406 0600
Trapeze Cable Basket Adapter

Ideal for single and multi-tiered suspension of cable, baskets.

- Easily twists onto rails of cable basket*
- Eliminates the need for strut bearers
- Easy-to-use integral release pin on Trapeze allows for height adjustments
- Designed to suspend cable basket up to 40 lbs/ft (based on 5 ft bracket spacing)

* Per cable basket manufacturer recommendations

Available in size No.2

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

<table>
<thead>
<tr>
<th>INSTALLATION</th>
<th>RELEASE</th>
</tr>
</thead>
</table>

Duct Trapeze Hanger

Ideal for fast suspension of rectangular ducting or similar services.

- Eliminates the need for a strut support
- Suitable for ducting made from 0.6 - 1.5 mm gauge steel
- Spreads the load across three fixing points
- Attaches with self-drilling screws or pop rivets (not provided)
- Optional rubber pad prevents air leakage and dampens vibration
- Release pin allows rapid height adjustment

Available in size No.2

Rubber Pad is Sold Separately

Supplied as ready-to-use kits with a length of cable, Duct Trapeze fastener and end fixing of your choice.

<table>
<thead>
<tr>
<th>INSTALLATION</th>
<th>RELEASE</th>
</tr>
</thead>
</table>

*When releasing: 1. Remove load, 2. Pull pin, 3. Raise or lower on cable
Butterfly Trapeze Hanger

Ideal for fast suspension of rectangular ducting or similar services that are hung close to the ceiling.

- Simple height adjustment using the integral pin prior to applying load
- Spreads the load across four fixing points
- Rubber pad prevents air leakage and dampens vibration
- Can be used for multi-tiered installations

Supplied as ready-to-use kits with a length of cable, Butterfly Trapeze fastener, and end fixing of your choice.

### 5:1 SAFETY FACTOR LOAD RATING

| No.2 | 100 lbs |

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

1. **CHOOSE YOUR PRODUCT**
   - Butterfly Trapeze No. 2
     - STZ2
   - Butterfly Trapeze No. 3
     - T23
   - Butterfly Trapeze No. 2 with Cable Basket Adapter
     - STZ2
   - Butterfly Trapeze Plus No. 2
     - MT22
   - Butterfly Trapeze Plus No. 2 with Square Nut & Washer
     - MT22-SN
   - Butterfly Trapeze Plus No. 2 with Stud & Eyelet
     - MTZ2-10FT-SN
   - Butterfly Trapeze Plus No. 3
     - MT23
   - Butterfly Trapeze Plus No. 3 with Square Nut & Washer
     - MT23-SN
   - Butterfly Trapeze Plus No. 3 with Stud & Eyelet
     - MTZ3-10FT-SN
   - Butterfly Trapeze Plus No. 4
     - MTZ4
   - Butterfly Trapeze Plus Calibra
     - MTZ3
   - Butterfly Trapeze Plus Calibra with Square Nut & Washer
     - MTZ3-SN
   - Duct Trapeze
     - MTZ3

2. **CHOOSE YOUR END FIXING**
   - Loop
     - LG
   - Stud
     - S
   - Toggle
     - TG
   - Toggle with Q for 1/4" or 3/8" Stud
     - TGQ
   - Hook
     - HG
   - Mini Hook
     - MH
   - 45° Eyelet
     - EY45
   - 90° Eyelet
     - EY90
   - C-Clip 1/8"
     - CC-1/8
   - C-Clip 1/4"
     - CC-1/4
   - Swivel Toggle
     - STG
   - For use with Spider and Metal Deck Insert only
   - Spider Cast-in-Place Insert
     - SBK Standard
     - SBK-10FT
   - Metal Deck Insert
     - MDI-Y

3. **CHOOSE YOUR CABLE LENGTH**
   - 5FT
   - 10FT
   - 15FT
   - 20FT
   - 30FT

Enter your unique product code (e.g. T22-LG-10FT):

**PRODUCT**  **END FIXING**  **CABLE LENGTH**

*When releasing: 1. Remove load, 2. Pull pin, 3. Raise or lower on cable

For further product information please call 1 866 474 7753 or visit our website www.gripple.com.

www.gripple.com  +1 630 406 0600
Y-Fit & Y-Fit Accessory

Single point suspension at ceiling with two “leg” attachment points

- Ideal for light fixtures and cable baskets
- One leg can be detached to allow for cable installation
- Available with a range of end fixings for legs (hooks, toggles, etc.) and a variety of leg lengths
- Accessory version available for use with another Gripple hanger; ideal for longer drops
- Use with standard Gripple Fastener or Express Fastener

Supplied as ready-to-use kits with a length of cable, Gripple fastener, and end fixings of your choice.

Y-Fit Kit Codes

How to work out your unique product code

1. CHOOSE YOUR PRODUCT
   - Y-Fit No.1 YHF1
   - Y-Fit No.2 YHF2
   - Y-Fit No.3 YHF3
   - Y-Fit Accessory No.1 AY1
   - Y-Fit Accessory No.2 AY2
   - Y-Fit Accessory No.3 AY3

2. CHOOSE YOUR LEG END FIXING
   - Loop LG
   - Toggle TQG TG
   - Hook HG

3. CHOOSE YOUR CABLE LENGTH*
   - 5FT
   - 10FT
   - 15FT
   - 20FT
   - 30FT

4. CHOOSE YOUR LEG LENGTH*
   - 150MM
   - 300MM
   - 460MM

*Not applicable for Y-Fit Accessory

Enter your unique product code (e.g. YHF3-HG-10FT-300MM):

For further product information please call 1 866 474 7753 or visit our website www.gripple.com.
Cable Strut Kit & C-Clip Hanger

Create secure, overhead spans by running high strength cable between two fixed points. Ideal for applications where no direct vertical anchor point is available. The Gripple C-Clip, an innovative twist-on/off device, allows you to suspend from anywhere along the horizontal span.

- Visually discreet and lightweight
- Allows for suspension of services exactly where needed
- No tools needed to install
- Available in 1/8" and 1/4" cable diameters, for suspensions up to 220 lbs per span
- C-Clip End Fixing allows for horizontal and vertical adjustment
- Cams lock solidly in place, even at angles up to 60°

Supplied as ready-to-use kits, including galvanized cable cut to length, two fasteners, and a release key.

Cable Strut Kit Codes

How to work out your unique product code

1. **CHOOSE YOUR PRODUCT**

   ![1/8" Cable Strut](CTI-1/8)

   ![1/4" Cable Strut](CTI-1/4)

2. **CHOOSE YOUR CABLE LENGTH**

   - 10FT
   - 15FT
   - 20FT
   - 25FT
   - 50FT
   - 75FT
   - 100FT

Enter your unique product code (e.g. CTI-1/8-75FT):

- [ ] [ ] [ ] [ ] [ ] [ ] [ ]

**PRODUCT**

**CABLE LENGTH**

C-Clip End Fixing can be ordered to suspend any Gripple hanger from the Cable Strut Kit (see product code pages)

Cable Strut Wall Brackets are available to complement the Cable Strut Kit using the code below

- [ ] [ ] [ ] [ ]

**C-CLIP 1/8" End Fixing Code**

**CC-1/8**

**C-CLIP 1/4" End Fixing Code**

**CC-1/4**

For further product information please call 1 866 474 7753 or visit our website [www.gripple.com](http://www.gripple.com).

www.gripple.com  +1 630 406 0600
QT Universal Clamp

The Quick Twist Universal Clamps are used in conjunction with Gripple Pipe Brackets for quick and easy support of all types of piping.

- Replaces 12 different pipe hanger sizes
- Suitable for all pipe sizes from ø 1/2” to ø 6” OD
- Improved insulation against vibration
- Quarter turn fixing to attach to Pipe Bracket - tool free attachment and adjustment
- Retractable, removable sleeve, pre-fitted to cable to prevent galvanic corrosion
- Can be used over Calsil or Armafix insulation (also available)
- Spreader Band accessory available to distribute the weight of the suspended piping more evenly along the cable

Supplied in ready-to-use kits with Universal Bracket sizes 1, 2, 3, or 4 ft.

<table>
<thead>
<tr>
<th>3:1 SAFETY FACTOR</th>
<th>LOAD RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT UNIVERSAL CLAMP</td>
<td>170 lbs</td>
</tr>
</tbody>
</table>

Universal Bracket

Pipe Brackets are supplied with Quick Twist Universal Clamps for quick and easy support of piping.

- Quick and easy installation - Universal Brackets are supplied with QT Universal Clamps featuring quarter turn fixing
- Versatile - Can be bolted directly to soffit or wall, or suspended using threaded rod or Gripple Trapeze hangers
- Saves labor time - Eliminates the need for cutting channel on site, allowing more productive use of labor
- Improves health and safety - No tools required for installation
- Can be purchased pre-assembled on request

Supplied as ready-to-use kits with QT Universal Clamps.

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>TECHNICAL</th>
<th>PIPING KIT CODES</th>
</tr>
</thead>
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<td>PAGE 79</td>
<td>PAGE 51</td>
</tr>
</tbody>
</table>
QT Compact Clamp

The Quick Twist Compact Clamps are used in conjunction with Low Profile Brackets for lower profile support of all types of piping.

- A lower profile than the QT Universal Clamp
- Up to 6 times faster than traditional methods
- Suitable for all pipe sizes from ø 1/2" to ø 6" OD
- Replaces 12 different pipe hanger sizes
- Quarter turn fixing to attach to pipe bracket - tool free attachment and adjustment
- Can be used over Calsil or Armafix insulation (also available)
- Improved insulation against vibration
- Spreader Band Accessory available to distribute the weight of the suspended piping more evenly along the cable

Supplied in ready-to-use kits with Low Profile Bracket sizes 1, 2, 3 or 4 ft.

<table>
<thead>
<tr>
<th>3:1 SAFETY FACTOR LOAD RATING</th>
<th>QT COMPACT CLAMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 lbs</td>
<td></td>
</tr>
</tbody>
</table>

Low Profile Bracket

Low Profile Brackets are supplied with Quick Twist Compact Clamps for lower profile support of piping.

- A lower profile version than the standard pipe bracket
- Quick and easy installation - Brackets are supplied with QT Compact Clamps featuring quarter turn fixing
- Versatile - Can be bolted directly to soffit or wall
- Saves labor time - Eliminates the need for cutting channel on site, allowing more productive use of labor
- Improves health and safety - No tools required for installation
- Can be purchased pre-assembled on request

Supplied in ready-to-use kits with QT Compact Clamps.
Universal Clamp

The 3/8” threaded Universal Clamp is engineered for hanging all types of piping within mechanical and plumbing services.

- Can be suspended from threaded rod or strut
- Suitable for all pipe sizes from ø 1/2” to ø 6” OD
- Replaces 12 different pipe hanger sizes
- Retractable, removable sleeve is pre-fitted to cable to prevent galvanic corrosion
- Improved insulation against vibration
- Also available as a pre-assembled strut attachment kit; includes a 2-inch length of threaded rod, a hex nut, and square washer
- Can be used over Calsil or Armafix insulation (also available)
- Spreader Band accessory available to distribute the weight of the suspended piping more evenly along the cable

Supplied individually or as part of a custom bracket system to suit your application.

Piping Kit Codes

How to work out your unique product code

1. CHOOSE YOUR PIPE BRACKET

2. CHOOSE YOUR CLAMP QUANTITY

3. CHOOSE YOUR TYPE OF CLAMP

Enter your unique product code (e.g. LPB3-3GC2-C-24IN):

<table>
<thead>
<tr>
<th>PIPE BRACKET</th>
<th>CLAMP QUANTITY</th>
<th>TYPE OF CLAMP</th>
<th>CABLE LENGTH (IN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Profile Pipe Bracket 1 ft</td>
<td>LPB1</td>
<td>T</td>
<td>170 lbs (below mount)</td>
</tr>
<tr>
<td>Low Profile Pipe Bracket 2 ft</td>
<td>LPB2</td>
<td>T</td>
<td>170 lbs (below mount)</td>
</tr>
<tr>
<td>Low Profile Pipe Bracket 3 ft</td>
<td>LPB3</td>
<td>T</td>
<td>170 lbs (below mount)</td>
</tr>
<tr>
<td>Low Profile Pipe Bracket 4 ft</td>
<td>LPB4</td>
<td>T</td>
<td>170 lbs (below mount)</td>
</tr>
</tbody>
</table>

For further product information please call 1 866 474 7753 or visit our website www.gripple.com.
Loop
- End Fixing that installs by a non-invasive, simple, choke knot technique
- Can be choked around a beam, bar joist, strut, or roof trusses
- Available up to 715 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1 3/16”</td>
<td>2 3/8”</td>
<td></td>
</tr>
<tr>
<td>No.2</td>
<td>1 3/16”</td>
<td>2 3/8”</td>
<td></td>
</tr>
<tr>
<td>No.3</td>
<td>1 3/16”</td>
<td>2 3/8”</td>
<td></td>
</tr>
<tr>
<td>No.4</td>
<td>1 3/4”</td>
<td>3 1/4”</td>
<td></td>
</tr>
<tr>
<td>No.5</td>
<td>1 3/4”</td>
<td>3 1/2”</td>
<td></td>
</tr>
</tbody>
</table>

Stud
- End fixing that installs into an anchor or internally threaded concrete insert
- Available in 1/4” and 3/8”, up to 495 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>A (Ø)</th>
<th>B (Ø)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>E (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>5/32”</td>
<td>1/4”</td>
<td>2”</td>
<td>3/8”</td>
<td>1 9/16”</td>
</tr>
<tr>
<td>No.2</td>
<td>1/4”</td>
<td>5/16”</td>
<td>3/8”</td>
<td>1 9/16”</td>
<td>5/16”</td>
</tr>
<tr>
<td>No.3</td>
<td>1/4”</td>
<td>5/32”</td>
<td>1 11/16”</td>
<td>1 9/16”</td>
<td>5/16”</td>
</tr>
</tbody>
</table>

Toggle
- Inserts into specific hole diameters of light fixtures, metal decking, and other pre-drilled structures or services
- Available to fit 1/4”, 5/16”, and 3/8” hole sizes, up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
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</tr>
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<tr>
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</tr>
<tr>
<td>No.3</td>
<td>1/4”</td>
<td>5/32”</td>
<td>1 11/16”</td>
</tr>
</tbody>
</table>

Hook
- Quick and easy attachment to cable basket, tray, beam & purlin clips, and light fixtures
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available as stainless steel

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1/4”</td>
<td>5/8”</td>
<td>3”</td>
</tr>
<tr>
<td>No.2</td>
<td>1/4”</td>
<td>5/8”</td>
<td>3”</td>
</tr>
<tr>
<td>No.3</td>
<td>1/4”</td>
<td>5/8”</td>
<td>3”</td>
</tr>
</tbody>
</table>
Mini Hook
- Smaller version of the hook, ideal for cable basket & light fixtures
- Available up to 33 lbs SWL, with a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

End Stop
- Simple, slide-in installation for suspending from lighting channels, track, and other channel fixtures
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- For use with No.1 - No.3 Gripple hangers

Barrel
- Attaches to any 1/4” or 3/8” male thread product
- Ideal for use on signage or exposed services, such as in retail and office environments
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

Top Hat Barrel
- Aesthetic 1/4” threaded end fixing ideal for use when lighting/services are exposed/visible
- Available up to 100 lbs SWL with up to a 5:1 safety factor
- Two-part construction for fast installation using 1/4” sunk screws
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

Fix using 1/4” screws.

Available with these Hangers
Page 28  Page 29  Page 30

Installation

Install fixings in accordance with manufacturer’s specifications.
**Eyelet**

- For fixing sideways into wood beams, speakers or visual display, light fixtures, or other applications that require bolting to brackets or fixtures
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

**45° Eyelet**

- Ideal for use in bracing applications
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in) anchor size B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1 (0 - 25 lbs)</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>No.2 (25 - 100 lbs)</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>No.3 (100 - 200 lbs)</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

Install in accordance with manufacturer’s specifications.

**90° Eyelet**

- Can be shot fired into concrete or steel
- Ideal for use with Gripple concrete screws for direct soffit mounting
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in) anchor size B (in)</th>
<th>C (in)</th>
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</thead>
<tbody>
<tr>
<td>No.1 (0 - 25 lbs)</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>No.2 (25 - 100 lbs)</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>No.3 (100 - 200 lbs)</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

Install in accordance with manufacturer’s specifications.

**Cladding Hook**

- Designed to fit 1/4" holes in metal decking roof structures
- Suitable for every grade of steel
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Safe working load may vary dependent on the thickness of steel to which it is attached
- Available in lengths of 5 ft - 30 ft as standard

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in) anchor size B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1 (0 - 25 lbs)</td>
<td>2 3/8&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>No.2 (25 - 100 lbs)</td>
<td>2 3/8&quot;</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

Install in accordance with manufacturer’s specifications.
Ring Anchor

- Ideal for fixing into concrete and cracked concrete
- Shallow anchorage depth of 1"
- Available up to 100 lbs SWL, with a 3:1 safety factor
- Supplied as a ready-to-use kit with Gripple fasteners and length of cable; ideal for use with Loop end fixing
- Available in lengths of 5 ft - 30 ft as standard

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1/4&quot;</td>
<td>2 1/8&quot;</td>
<td>1 3/8&quot;</td>
</tr>
<tr>
<td>No.2</td>
<td>1/4&quot;</td>
<td>2 1/8&quot;</td>
<td>1 3/8&quot;</td>
</tr>
</tbody>
</table>

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 100 lbs SWL, with a 3:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

<table>
<thead>
<tr>
<th>Size</th>
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</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>2 3/8&quot;</td>
</tr>
<tr>
<td>No.2</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>2 3/8&quot;</td>
</tr>
</tbody>
</table>

Karabiner

- Provides 3/8" clearance
- Available up to 200 lbs SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple fastener and length of cable; ideal for use with Loop end fixing
- Available in lengths of 5 ft - 30 ft as standard

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>2 3/8&quot;</td>
</tr>
<tr>
<td>No.2</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>2 3/8&quot;</td>
</tr>
</tbody>
</table>

C-Clip

- Designed to suspend a Gripple hanger from Gripple Cable Strut
- One handed installation, no tools required
- Allows horizontal and vertical adjustment
- Cams lock solidly in place even at angles up to 60°
- 1/8" and 1/4" versions available
- Available up to 100 lbs SWL with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with length of cable and Gripple fastener

<table>
<thead>
<tr>
<th>Size</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>1/2&quot;</td>
<td>1&quot;</td>
<td>1 5/16&quot;</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>15/16&quot;</td>
<td>1 3/4&quot;</td>
<td>1 3/4&quot;</td>
</tr>
</tbody>
</table>
Shot Fire

- Shot fire into concrete, or concrete over metal deck
- Can be installed with gas and powder-actuated tools
- Quick and easy fastening solution
- Supplied as a ready-to-use kit with Gripple fastener and length of No. 1 or No. 2 cable
- Please reference submittal data for safe working loads
- Available in lengths of 5 ft - 30 ft as standard

Installation

Available with these Hangers

<table>
<thead>
<tr>
<th>SF35</th>
<th>C045</th>
<th>NS90</th>
</tr>
</thead>
</table>

Nail Clip Shank length (in) Head diameter (in)

| SF35 | 1 1/4" | 5/16" |
| C045 | 7/8"   | 5/16" |
| NS90 | 1"     | 1/8/4" |

Swivel Toggle

- Designed for use on 1" T-Bar grid ceilings
- Ideal for use with No. 1 End stop hanger
- Quick and easy to install - no tools required
- Rated at 11 lbs. SWL with a 5:1 safety factor
- Will not cause damage to the T-Bar grid
- Available as part of a ready-to-use hanger kit or in bulk as an accessory

Installation

Available with these Hangers

Twist Clip (White)

A  (in)  B  (in)  C  (in)  D  (in)

1 9/16"  1 1/4"  1"  9/16"

Eyelag

- For suspending ceilings and other acoustic applications
- Attaches to wood and sheet steel
- All screws are made with carbon steel and are zinc plated
- Available in No.1 and No. 2 hanger kits

Installation

Available with these Hangers

<table>
<thead>
<tr>
<th>ELS</th>
<th>ELW</th>
<th>ELD</th>
</tr>
</thead>
</table>

Screw (in) Screw diameter (in)

<table>
<thead>
<tr>
<th>ELS</th>
<th>ELW</th>
<th>ELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Install fixings in accordance with manufacturer’s specifications.
Metal Deck Insert

- Specifically designed to pre-install into metal deck prior to the concrete being poured
- Rubber head prevents the entry hole from being blocked with concrete
- Tube allows for easy insertion of Swivel Toggle end fixing
- Accommodates either No.2 or No.3 size Gripple Hanger
- Supplied as a ready-to-use kit which includes the Metal Deck Insert, length of cable with Swivel Toggle End Fixing, and Gripple fastener
- Threaded version is also available, for use with a 3/8” threaded rod

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Toggle Version</td>
<td>2 3/8”</td>
<td>1”</td>
<td>7/32”</td>
<td>2</td>
<td>1 1/2”</td>
</tr>
<tr>
<td>Threaded Version</td>
<td>2 3/4”</td>
<td>1”</td>
<td>7/32”</td>
<td>2 3/4”</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Installation

Install fixings in accordance with manufacturer’s specifications.

Spider Insert

- Specifically designed as a cast-in-place concrete anchoring solution
- Robust construction withstands on-site conditions before, during, and after the concrete pour
- Various color options available, allowing contractors to easily identify their own inserts from below
- Supplied as a ready-to-use kit which includes a Spider Insert, length of cable with Swivel Toggle end fixing, and Gripple fastener
- Threaded version also available, for use with 3/8” Gripple stud hanger or threaded rod

<table>
<thead>
<tr>
<th>Insert Version</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Toggle Version</td>
<td>1 1/8”</td>
<td>1 5/8”</td>
<td>4 1/2”</td>
</tr>
<tr>
<td>Threaded Version</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Installation

Install fixings in accordance with manufacturer’s specifications.
Accessories

- Anchoring Solutions  page 68
- Beams & Purlins  page 70
- Brackets & Attachments  page 71
- Adapters  page 74
- Trapeze Accessories  page 76
- Tools & Finishing Accessories  page 77
Anchoring Solutions

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

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Max. SWL (lbs)</th>
<th>Hole Ø (in)</th>
<th>Min. Hole depth* (in)</th>
<th>Min. Anchorage depth* (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPA-1/4</td>
<td>1/4&quot;</td>
<td>1/2&quot;</td>
<td>1&quot;</td>
<td>200</td>
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<tr>
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<td>495</td>
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<td>3/4&quot;</td>
<td>1 5/8&quot;</td>
</tr>
</tbody>
</table>

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

* For further information contact Gripple Technical Services

Concrete Wire Anchor
- Suitable for non-cracked concrete, precast hollow concrete, and hard natural stone
- Stainless steel (304/A2)
- 100lb. SWL applicable to C20/25 concrete

### Installation

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>WIRE-ANCHOR</td>
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<td>100</td>
<td>5/16&quot;</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
</tr>
</tbody>
</table>

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

* For further information contact Gripple Technical Services

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

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Max. SWL (lbs)</th>
<th>Hole Ø (in)</th>
<th>Min. Hole depth* (in)</th>
<th>Min. Anchorage depth* (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCRA6</td>
<td>1/4&quot;</td>
<td>2 1/8&quot;</td>
<td>1 3/8&quot;</td>
<td>117</td>
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<td>1 3/8&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

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

* For further information contact Gripple Technical Services

Concrete Ceiling Anchor
- Self-expanding eyebolt hanger suitable for non-cracked concrete, precast hollow 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 28)

### Installation

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
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</thead>
<tbody>
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<td>1/4&quot;</td>
<td>100</td>
<td>1 3/4&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

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

* For further information contact Gripple Technical Services

Concrete/Wood Screw
- Easy-fit slotted/hex head screw suitable for wood and non-cracked concrete
- Ideal for use with the Eyelit and 90˚ Eyelit End Fixings (page 58-59)
- Removable; excellent corrosion resistance

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>AF</th>
<th>Max. SWL (lbs)</th>
<th>Hole Ø (in)</th>
<th>Min. Hole depth* (in)</th>
<th>Min. Anchorage depth* (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWS32</td>
<td>1 1/4&quot;</td>
<td>5/16&quot;</td>
<td>100</td>
<td>7/32&quot;</td>
<td>1 3/8&quot;</td>
<td>1 1/4&quot;</td>
</tr>
</tbody>
</table>

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

* For further information contact Gripple Technical Services

Spider Insert
- Cast-in-place concrete solution
- Internally threaded version for use with 3/8" threaded rod or Gripple Stud Hanger
- Max. Safe Working Load: 700 lbs

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPIDER-3/8TH</td>
<td>1 1/8&quot;</td>
<td>1 5/8&quot;</td>
<td>4 1/2</td>
</tr>
</tbody>
</table>

3:1 Safety rating

* For further information contact Gripple Technical Services

Metal Deck Insert
- Pre-insert solution for metal decks
- Internally threaded version for use with 3/8" threaded rod
- Max. Safe Working Load: 700 lbs

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDI-Y-3/8TH</td>
<td>2 3/4&quot;</td>
<td>1&quot;</td>
<td>11/16&quot;</td>
<td>7/32&quot;</td>
<td>9/16&quot;</td>
</tr>
</tbody>
</table>

3:1 Safety rating

* For further information contact Gripple Technical Services

Pigtail
- Fast and secure anchor suitable for use with the Loop End Fixing (page 99)
- Ideal for use with the Drop-In Anchor (page 68)
- Allows Loop to be removed for maintenance

### Installation

<table>
<thead>
<tr>
<th>Product code</th>
<th>A</th>
<th>B</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGTAIL6-20MM</td>
<td>1/4&quot;</td>
<td>1 3/16&quot;</td>
<td>3&quot;  200</td>
</tr>
<tr>
<td>PIGTAIL6-45MM</td>
<td>1/4&quot;</td>
<td>1 3/16&quot;</td>
<td>4&quot;  200</td>
</tr>
</tbody>
</table>

5:1 Safety rating - dependent on base material

* For further information contact Gripple Technical Services

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Pigtail
Beams & Purlins

Beam Clip
- Hammer-on installation
- Accommodates a wide variety of flange thicknesses
- Ideal for use with the Hook End Fixing (page 55)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in) Flange Thickness</th>
<th>B (in) Ø</th>
<th>C (in) Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCB24</td>
<td>1/16&quot; - 1/8&quot;</td>
<td>9/32&quot;</td>
<td>1 3/16&quot; 160</td>
</tr>
<tr>
<td>GCB59</td>
<td>1/8&quot; - 1/4&quot;</td>
<td>9/32&quot;</td>
<td>1 1/4&quot; 200</td>
</tr>
<tr>
<td>GCB1016</td>
<td>5/16&quot; - 1/2&quot;</td>
<td>9/32&quot;</td>
<td>1 11/16&quot; 200</td>
</tr>
<tr>
<td>GCB1720</td>
<td>9/16&quot; - 3/4&quot;</td>
<td>9/32&quot;</td>
<td>1 7/8&quot; 200</td>
</tr>
</tbody>
</table>

GF Bracket
- Designed for clamping onto an I-Beam section
- Suitable for 1/4" - 1/2" flange thickness
- Use with 1/2" threaded rod (not supplied)
- Ideal for use with Cable Strut Kits (page 44)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GF12-EYENUT</td>
<td>1/4&quot; - 1/2&quot;</td>
<td>1 3/4&quot;</td>
<td>1 7/8&quot;</td>
<td>2 3/16&quot;</td>
<td>1 3/16&quot;</td>
<td>750</td>
</tr>
<tr>
<td>GF16-EYENUT</td>
<td>5/16&quot; - 5/8&quot;</td>
<td>2 1/4&quot;</td>
<td>2 7/16&quot;</td>
<td>2 3/16&quot;</td>
<td>1 3/16&quot;</td>
<td>750</td>
</tr>
<tr>
<td>GF20-EYENUT</td>
<td>3/8&quot; - 3/4&quot;</td>
<td>2 61/64&quot;</td>
<td>2 41/64&quot;</td>
<td>2 3/16&quot;</td>
<td>1 3/16&quot;</td>
<td>750</td>
</tr>
</tbody>
</table>

Pipe 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 1.57")
- Quick and easy installation
- Robust, mild steel construction

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in) Flange Thickness</th>
<th>B (in) Ø</th>
<th>C (in)</th>
<th>Load Rating (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB-BEAM-CLAMP-2P</td>
<td>3.26&quot;</td>
<td>1.77&quot;</td>
<td>M10</td>
<td>200</td>
</tr>
</tbody>
</table>

Brackets & Attachments

Universal Bracket
- For use with Gripple QT Universal Clamp and Universal Clamp (pages 46 & 50)
- Can be bolted directly to soffit or wall, or suspended from the soffit using threaded rod or Gripple Trapeze Hangers
- Eliminates the need for cutting channel on site

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UBP10</td>
<td>9/16&quot; - 1 1/4&quot;</td>
<td>11/16&quot;</td>
<td>1/2&quot;</td>
<td>500</td>
<td>1000</td>
</tr>
<tr>
<td>UBP15</td>
<td>3/4&quot; - 1 1/2&quot;</td>
<td>13/16&quot;</td>
<td>1/2&quot;</td>
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<td>1250</td>
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<tr>
<td>UBP20</td>
<td>1 1/4&quot; - 2&quot;</td>
<td>1 7/16&quot;</td>
<td>1/2&quot;</td>
<td>900</td>
<td>1400</td>
</tr>
<tr>
<td>UBP30</td>
<td>1 3/4&quot; - 2 1/2&quot;</td>
<td>1 15/16&quot;</td>
<td>1/2&quot;</td>
<td>1200</td>
<td>1800</td>
</tr>
</tbody>
</table>

Low Profile Bracket
- Can be bolted directly to soffit or wall
- Eliminating the need for cutting channel on site, allowing more productive use of labor
- For use with Gripple QT Compact Clamp (page 48)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>PB1FT</td>
<td>12&quot;</td>
<td>1 3/8&quot;</td>
<td>1 11/16&quot;</td>
<td>1&quot;</td>
<td>1 3/16&quot;</td>
<td>1&quot;</td>
<td>9.68</td>
<td>1000</td>
</tr>
<tr>
<td>PB2FT</td>
<td>24&quot;</td>
<td>1 3/8&quot;</td>
<td>1 11/16&quot;</td>
<td>1&quot;</td>
<td>1 3/16&quot;</td>
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<td>850</td>
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<tr>
<td>PB3FT</td>
<td>36&quot;</td>
<td>1 3/8&quot;</td>
<td>1 11/16&quot;</td>
<td>1&quot;</td>
<td>1 3/16&quot;</td>
<td>1&quot;</td>
<td>9.68</td>
<td>720</td>
</tr>
<tr>
<td>PB4FT</td>
<td>48&quot;</td>
<td>1 3/8&quot;</td>
<td>1 11/16&quot;</td>
<td>1&quot;</td>
<td>1 3/16&quot;</td>
<td>1&quot;</td>
<td>9.68</td>
<td>600</td>
</tr>
</tbody>
</table>

Spreader Band
- Distributes the weight of the suspended service more evenly along the cable
- Snap to length as required,Live hinges allow for flexibility of use
- Easily attaches to cable with integrated clips
- Ideal for use with insulation, fabric duct and bundled cable

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>Load Rating (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPREADER-BAND</td>
<td>12&quot;</td>
<td>1 5/8&quot;</td>
<td>3/4&quot;</td>
<td>17.55</td>
</tr>
</tbody>
</table>

Wall Bracket
- Designed to support piping and/or electrical services when installed cantilevered and parallel to the wall
- Wall Brackets are supplied with Universal Brackets and Quick Twist-Universal Clamps featuring quarter turn attachment
- Can be bolted directly to soffit or wall

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WALL BRACKET</td>
<td>1.96&quot;</td>
<td>0.49&quot;</td>
<td>0.23&quot;</td>
<td>9.68</td>
<td>13.62</td>
<td>0.39&quot;</td>
<td>1.49&quot;</td>
<td>17.55</td>
</tr>
</tbody>
</table>

Pipe 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 1.57")
- Quick and easy installation
- Robust, mild steel construction

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in) Flange Thickness</th>
<th>B (in) Ø</th>
<th>C (in)</th>
<th>Load Rating (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB-BEAM-CLAMP-2P</td>
<td>3.26&quot;</td>
<td>1.77&quot;</td>
<td>M10</td>
<td>200</td>
</tr>
</tbody>
</table>
Brackets & Attachments

Roundup Plus Saddle
- 180° metal pipe insulation saddle, 22 gauge galvanized steel
- Peel & stick tape secures the saddle to the pipe insulation
- 12” length with various saddle diameters from 2” thru 6.5”
- Ideal for use with QT Universal Clamp, QT Compact Clamp, and Universal Clamp (pages 46-50)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-BRACKET-100</td>
<td>7 3/4”</td>
<td>6 1/2”</td>
<td>3”</td>
<td>4 3/4”</td>
<td>130</td>
</tr>
<tr>
<td>G-BRACKET-200</td>
<td>7 7/8”</td>
<td>10 1/4”</td>
<td>3”</td>
<td>7 7/8”</td>
<td>130</td>
</tr>
<tr>
<td>G-BRACKET-300</td>
<td>7 7/8”</td>
<td>14 1/2”</td>
<td>3”</td>
<td>12 5/8”</td>
<td>130</td>
</tr>
</tbody>
</table>

3:1 Safety rating

Pipe Insulation Collars
- For use with all Gripple pipe clamps
- Universal - for mild steel, stainless steel, copper and plastic pipes in a range of sizes
- High performance - reduced heat loss & highly moisture resistant
- Temperature range: Calci 20°F to +120°F
- Armalfix -30°F to +221°F
- Thermal conductivity: Calci 0.40 BTU · in/h ft² · °F
- Armalfix 0.27 BTU · in/h ft² · °F

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIS* 12” X*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* x = Saddle diameter: 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6.5

**Installation**
- Step 1
- Step 2
- Step 3

G-Bracket
- Purpose made for cable tray and basket
- Brackets can be easily joined together either vertically or horizontally with coupling bolts
- Ideal for use with the Y-Fit and Y-Fit Accessory (page 42)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-BRACKET-100</td>
<td>3.5”</td>
<td>1 1/2”</td>
<td>2”</td>
<td>3 3/4”</td>
<td>120</td>
</tr>
<tr>
<td>G-BRACKET-200</td>
<td>7.5”</td>
<td>1 1/2”</td>
<td>2”</td>
<td>6 3/4”</td>
<td>120</td>
</tr>
<tr>
<td>G-BRACKET-300</td>
<td>7.5”</td>
<td>1 1/2”</td>
<td>2”</td>
<td>10 3/4”</td>
<td>120</td>
</tr>
</tbody>
</table>

3:1 Safety rating

G-Spacer
- Joins two G-Brackets together, either vertically or horizontally allowing a central gap (max. 12 in)
- Links different sizes of G-Bracket together
- Adjustable

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-SPACER</td>
<td>1 1/32”</td>
<td>13”</td>
<td>1/4”</td>
<td>1/4”</td>
<td>200</td>
</tr>
</tbody>
</table>

5:1 Safety rating

Trapeze Bracket
- Easily attached to rectangular ducting with #10 3/4” self-drilling screws
- Replaces the need for threaded rod or duct strap
- Rigid 14 gauge steel thickness with galvanized finish
- Use with No.2 or No. 3 Trapeze Hanger (page 34)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPZ-BRACKET</td>
<td>1 7/8”</td>
<td>3/16”</td>
<td>1 1/2”</td>
<td>1”</td>
<td>200</td>
</tr>
</tbody>
</table>

3:1 Safety rating

Cable Strut Wall Bracket
- 4” x 4” back plate for concrete walls and wooden beams
- 4 x 7/16” diameter mounting holes
- 2 1/2” hole spacing
- 3/8” ring for easy cable attachment
- Zinc plated finish (minimum 5 µ)

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT-BRACKET-100-MM</td>
<td>4”</td>
<td>1 3/4”</td>
<td>2 1/2”</td>
<td>7/16”</td>
<td>750</td>
</tr>
</tbody>
</table>

3:1 Safety rating

M6 & M8 Adapter
- Ideal for fixing to many services such as light fixtures
- Can be fixed into concrete using a metric Drop-In Anchor (page 68)
- Available in metric threads only

<table>
<thead>
<tr>
<th>Product code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP-M6</td>
<td>0.125”</td>
<td>3/4”</td>
<td>1”</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>ADP-M8</td>
<td>0.25”</td>
<td>1”</td>
<td>1 1/2”</td>
<td>500</td>
<td></td>
</tr>
</tbody>
</table>

5:1 Safety rating - dependent on material

**Installation**
- Step 1
- Step 2
- Step 3

Brackets & Attachments

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73
Adapters

Spring Clip
- Used for attaching to top of light fixture with 1/4" hole
- Ideal for use with the Standard Hanger or Express Hanger (page 28-29)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPRING CLIP</td>
<td>1.5</td>
<td>2.0</td>
<td>60</td>
</tr>
</tbody>
</table>

3:1 Safety rating - dependent on material thickness

LSK Clip
- General purpose clip to support light fittings
- Steel with zinc plated finish
- Designed to fit into 7/8" knockouts on top of light fixtures

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Hole Ø</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIP-LSK</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>1 3/8&quot;</td>
<td>2&quot;</td>
<td>18</td>
</tr>
</tbody>
</table>

3:1 Safety rating

V-Bracket
- Fits into mounting holes of light fixtures
- Steel with zinc plated finish
- Side mount bracket for side of light fixture (VSM)
- Front mount bracket for top of light fixture (VFM)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRACKET-VSM</td>
<td>3 1/8&quot;</td>
<td>4 5/8&quot;</td>
<td>30</td>
</tr>
<tr>
<td>BRACKET-VFM</td>
<td>2 9/16&quot;</td>
<td>3 7/8&quot;</td>
<td>30</td>
</tr>
</tbody>
</table>

5:1 Safety rating

Acoustic Panel Spring Anchor
- Ideal for use with the Standard Hanger, Angel Hook or Express Hanger
- No tools required for installation
- ASA-S for panels up to 40mm in depth (1 9/16")
- ASA-L for panels up to 70mm in depth (2 3/4")
- Maximum load ratings will vary. Contact Gripple Technical Services for more information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>D (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASA-S</td>
<td>5/8&quot;</td>
<td>1 7/8&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>ASA-L</td>
<td>1 1/16&quot;</td>
<td>3 7/8&quot;</td>
<td>2 7/8&quot;</td>
</tr>
</tbody>
</table>

Installation

T-Bar Twist Clip
- Ideal for attaching to suspended ceilings
- Integral 1/4" male thread
- Ideal for use with the 1/4" Barrel End Fixing (page 57)
- Suitable for 1" T-Bar

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBAR-CLIP-Q</td>
<td>1/4&quot;</td>
<td>5/8&quot;</td>
<td>1&quot;</td>
<td>45</td>
</tr>
</tbody>
</table>

5:1 Safety rating

Karabiner
- Versatile fixing, easy to attach and detach
- For use with Loop End Fixing (page 54)
- Available in stainless steel

<table>
<thead>
<tr>
<th>Product Code</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>Max. SWL (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KARA-6-60</td>
<td>1/4&quot;</td>
<td>5/16&quot;</td>
<td>2 3/8&quot;</td>
<td>100</td>
</tr>
<tr>
<td>KARA-6-60-S</td>
<td>1/4&quot;</td>
<td>5/16&quot;</td>
<td>2 3/8&quot;</td>
<td>100</td>
</tr>
<tr>
<td>KARA-8-80</td>
<td>5/16&quot;</td>
<td>1/2&quot;</td>
<td>3 5/32&quot;</td>
<td>200</td>
</tr>
<tr>
<td>KARA-8-80-S</td>
<td>5/16&quot;</td>
<td>1/2&quot;</td>
<td>3 5/32&quot;</td>
<td>200</td>
</tr>
</tbody>
</table>

Installation

Cable Basket Adapter
- For use with Trapeze No. 2 (page 34)
- To suspend cable baskets with wire diameter up to 1/4" (6mm)*
- Can be used to suspend multi-tier cable basket configurations
* For cable basket manufacturer recommendations

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CB6</td>
<td>1 3/8&quot;</td>
<td>1 1/4&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

5:1 Safety rating

Installation
Trapeze Accessories

Trapeze No. 2 & 3
Combine Trapeze as an accessory with any Trapeze kit for multi-tiered installations. Load rating of 100 or 200 lbs with a 5:1 safety factor.

Product code: TZ2-10BB
TRAPEZE-NO3

Trapeze Plus No. 2, 3 & 4
Combine Trapeze Plus as an accessory with any Trapeze kit for multi-tiered installations. Load rating of 100 lbs - 495 lbs with a 3:1 safety factor.

Product code: MTZ2-10BB-INC
MTZ3-10BB-INC
MTZ4-10BB-INC

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 100 lbs with a 5:1 safety factor.

Product code: BT2-10BB

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 100 lbs with a 5:1 safety factor.

Product code: DT2-ACC

Trapeze Accessories

Tools & Finishing Accessories

Cable Cutters
• Hardened, durable jaws
• Two sizes available – pocket size for use up to 1/8” diameter cable, or large, providing greater leverage for up to 1/4” diameter cable

Product code: CUTTER-GRIPPLE
CUTTER-4MM

Drop-In Anchor Setting Punch
• Leaves four permanent indents on the anchor to advise correct installation
• Ergonomic handle with hand protection
• Two sizes available to suit 1/4” & 3/8” anchor

Product code: MAN-PUNCH-1/4
MAN-PUNCH-3/8

Wire Anchor Installation Tool
• Tool securely fits onto the wire anchor to hammer into place

Product code: WIRE-ANCHOR-TOOL

Corner Saddle
• A right angled reinforced molding to prevent cable friction on rectangular ducting
• For use with No. 1-3 cable hanger

Product code: CORNER-SADDLE

Cable Cutters

Tools & Finishing Accessories

Release Keys
• Use for adjusting or releasing the Standard fastener (pre-load)
• Two sizes available – for Gripple hangers No. 1 - No.3 and Gripple hangers No. 4, No. 5 and Cable Strut kits

Product code: KEY-FLAG
(KEY-F45S-UK)
(KEY-F45S-UK)

Protective Sleeving
• Protective black tubing to prevent contact between dissimilar metals or for aesthetic enhancement
• Ideal for use on No.2 & No.3 cable

Product code: SLEEVE-2MM-FT
SLEEVE-3MM-FT

Tensioning Tool
• Applies tension easily with the 6:1 gear drive mechanism
• Designed control mechanism to prevent over tensioning
• Compact, easy to handle, operate and carry
• For use with 1/4” Cable Strut kits

Product code: TOOL-5-4BX-INC

Twister
• Keeps tail wires neat and tidy
• Grey aesthetic finish - blends into background
• For use with No.2 and No.3 cable

Product code: TWISTER-100BB

Corner Saddle

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Overview of Technical Services Department Capabilities

Gripple is a manufacturer of Cable Hanger and Bracing Solutions for all types of suspended services, with our North American headquarters located in Aurora, Illinois, and other locations around the world in the UK, Europe, and India.

Gripple’s Technical Services Department is comprised of a dedicated and detail-oriented team of specialists who offer their technical services free of charge to contractors to assist in the bidding process. Simply put, Gripple’s Technical Services Department reviews the contractor’s drawings and provides the contractor with the recommended Gripple Cable Hanger or Bracing products and quantities for their project.

HVAC, Mechanical, Electrical, and MTO’s (Material Take Offs)

Gripple offers a variety of Cable Hanger products for suspending all types of HVAC, Mechanical, Piping, and Electrical services. No matter the service being suspended, or the type of structure you’re suspending from, Gripple has a solution.

By deciding to benefit from our complimentary Take Off services, the following process ensures that with little effort, your full project can be prepared for bidding:

1. Engineer/Contractor submits project drawings to your Gripple Territory Manager
2. Gripple Technical Team marks up the drawings with exact requirements (hanger type, spacings and quantity) for all services
3. Gripple Technical Team generates concise Bill of Materials, and a “no obligation” quote is provided
4. Once order is placed, product is packaged and labelled to specific project requirements (e.g. Level Two, Zone One, Ductwork) to ensure ease of identification and use on-site
5. Product is dispatched to the job site, and installed accordingly by contractor

In addition to the above, your local Gripple Territory Manager can also provide supporting product submittal information and site visits upon commencement of the project.

• Locations and length of the Cable Strut runs
• Safe Working Loads of the Cable Strut runs
• Intermediate support points
• Number of C-Clip Hangers that can be accommodated
• Expected sag

Seismic Bracing for Nonstructural Building Components

Gripple provides Seismic Risk Management. We take the liability issues away from you by providing a complete seismic solution – the risk management you need – that encompasses beginning-to-end Engineering services, as well as a full line of Seismic Bracing and Vibration Management products for use in seismic zones or AT/FP (Anti-Terrorism/Force Protection) situations.

The complex and technical nature of seismic bracing requirements, industry regulations, and life-safety issues necessitates a partner like Gripple. We begin by providing you with the following:

• Complimentary Budget Estimating – an all-inclusive estimate you can work into your budget that includes (where applicable) Seismic Cable Bracing, Vibration Management products, and Engineering Services.

Should you move ahead with Gripple on your seismic bracing project, we offer you the following Engineering services for an additional fee:

• PE Stamped Drawings - noting the proper location of Gripple Seismic Cable Bracing and Vibration Management products, per the scope of the project.
• BIM Modeling and Clash Detection - provided as required by design scope. Includes 2D, 3D, AutoCAD, and/or REVIT.
• Coordination and Site Reviews - with Structural Engineer and Gripple to ensure proper installation of Gripple products.
Hanging at Angles

The load rating for a Gripple Hanger is based on the suspension being hung vertically. If the cable 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 (lbs) at an angle from vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0°</td>
</tr>
<tr>
<td>No.1</td>
<td>25</td>
</tr>
<tr>
<td>No.2</td>
<td>100</td>
</tr>
<tr>
<td>No.3</td>
<td>200</td>
</tr>
<tr>
<td>No.4</td>
<td>495</td>
</tr>
<tr>
<td>No.5</td>
<td>715</td>
</tr>
</tbody>
</table>

Load % 100 96 86 70 50

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

Cable Construction & Cross Sections

The cable used within our product ranges is galvanized high tensile steel cable, manufactured in accordance with the norm EN 12385.

<table>
<thead>
<tr>
<th>Cable size</th>
<th>Diameter [in]</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.1</td>
<td>1/16&quot;</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No.2</td>
<td>5/64&quot;</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No.3</td>
<td>1/8&quot;</td>
<td>7 x 7 or 1 x 19</td>
</tr>
<tr>
<td>No.4</td>
<td>3/16&quot;</td>
<td>7 x 19</td>
</tr>
<tr>
<td>No.5</td>
<td>1/4&quot;</td>
<td>7 x 19</td>
</tr>
</tbody>
</table>

Ductwork Hanger Data

Rectangular duct (unlined), based on 8' hanging space and two hanger method.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>80 x 20&quot;</td>
<td>28.10</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>70 x 24&quot;</td>
<td>26.44</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>60 x 28&quot;</td>
<td>24.72</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>50 x 32&quot;</td>
<td>23.00</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>40 x 40&quot;</td>
<td>21.28</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>30 x 30&quot;</td>
<td>19.56</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>20 x 20&quot;</td>
<td>17.84</td>
<td>2</td>
<td>2:1</td>
</tr>
<tr>
<td>14 x 14&quot;</td>
<td>15.12</td>
<td>1</td>
<td>4:1</td>
</tr>
<tr>
<td>10 x 10&quot;</td>
<td>12.40</td>
<td>1</td>
<td>4:1</td>
</tr>
<tr>
<td>8 x 8&quot;</td>
<td>9.68</td>
<td>1</td>
<td>4:1</td>
</tr>
</tbody>
</table>

Duct size (height + width)

Weight / ft.

Gripple Hanger Size Needed

Safety Factor

20 Gauge 22 Gauge

<table>
<thead>
<tr>
<th>Diameter (in)</th>
<th>Circumference</th>
<th>Gripple Hanger Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>2&quot;</td>
<td>1</td>
</tr>
<tr>
<td>16&quot;</td>
<td>3&quot;</td>
<td>2</td>
</tr>
<tr>
<td>20&quot;</td>
<td>3.5&quot;</td>
<td>3</td>
</tr>
<tr>
<td>24&quot;</td>
<td>4&quot;</td>
<td>4</td>
</tr>
<tr>
<td>28&quot;</td>
<td>4.5&quot;</td>
<td>5</td>
</tr>
<tr>
<td>32&quot;</td>
<td>5&quot;</td>
<td>6</td>
</tr>
<tr>
<td>36&quot;</td>
<td>5.5&quot;</td>
<td>7</td>
</tr>
<tr>
<td>40&quot;</td>
<td>6&quot;</td>
<td>8</td>
</tr>
<tr>
<td>44&quot;</td>
<td>6.5&quot;</td>
<td>9</td>
</tr>
<tr>
<td>48&quot;</td>
<td>7&quot;</td>
<td>10</td>
</tr>
<tr>
<td>52&quot;</td>
<td>7.5&quot;</td>
<td>11</td>
</tr>
<tr>
<td>56&quot;</td>
<td>8&quot;</td>
<td>12</td>
</tr>
<tr>
<td>60&quot;</td>
<td>8.5&quot;</td>
<td>13</td>
</tr>
<tr>
<td>64&quot;</td>
<td>9&quot;</td>
<td>14</td>
</tr>
</tbody>
</table>

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

Ductwork hanging charts

Standard hanging (for spiral duct 36" and smaller) and cradle hanging (for spiral duct larger than 36")

<table>
<thead>
<tr>
<th>Duct size [height + width]</th>
<th>Gripple cable length (ft) from roof to top of duct</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot;</td>
<td>20</td>
</tr>
<tr>
<td>35&quot;</td>
<td>25</td>
</tr>
<tr>
<td>40&quot;</td>
<td>30</td>
</tr>
<tr>
<td>45&quot;</td>
<td>35</td>
</tr>
<tr>
<td>50&quot;</td>
<td>40</td>
</tr>
<tr>
<td>55&quot;</td>
<td>45</td>
</tr>
<tr>
<td>60&quot;</td>
<td>50</td>
</tr>
<tr>
<td>65&quot;</td>
<td>55</td>
</tr>
<tr>
<td>70&quot;</td>
<td>60</td>
</tr>
<tr>
<td>75&quot;</td>
<td>65</td>
</tr>
<tr>
<td>80&quot;</td>
<td>70</td>
</tr>
<tr>
<td>85&quot;</td>
<td>75</td>
</tr>
<tr>
<td>90&quot;</td>
<td>80</td>
</tr>
</tbody>
</table>

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

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

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

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

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www.gripple.com  +1 630 406 0600
### Pipe Support Spacing Data

Recommended minimum support spacing for pipe brackets and equivalent load per clamp when brackets are spaced as recommended:

<table>
<thead>
<tr>
<th>Copper Tube</th>
<th>Tube size (NPS)</th>
<th>Actual outside diameter</th>
<th>Tube weight per foot</th>
<th>Water weight per foot</th>
<th>Total weight per foot</th>
<th>Tube support spacing for horizontal runs (Ref. MSS SP-58)</th>
<th>Weight per clamp at recommended support spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inches</td>
<td>inches</td>
<td>lb/ft</td>
<td>lb/ft</td>
<td>lb/ft</td>
<td>ft</td>
<td>lb</td>
</tr>
<tr>
<td>1/2</td>
<td>5/8</td>
<td>0.625</td>
<td>0.394</td>
<td>0.095</td>
<td>0.44</td>
<td>5.0</td>
<td>2.2</td>
</tr>
<tr>
<td>5/8</td>
<td>3/4</td>
<td>0.750</td>
<td>0.418</td>
<td>0.145</td>
<td>0.56</td>
<td>5.0</td>
<td>2.8</td>
</tr>
<tr>
<td>3/4</td>
<td>7/8</td>
<td>0.875</td>
<td>0.641</td>
<td>0.189</td>
<td>0.83</td>
<td>5.0</td>
<td>4.1</td>
</tr>
<tr>
<td>1</td>
<td>1 1/8</td>
<td>1.125</td>
<td>0.837</td>
<td>0.337</td>
<td>1.17</td>
<td>6.0</td>
<td>7.0</td>
</tr>
<tr>
<td>1 1/4</td>
<td>1 3/8</td>
<td>1.375</td>
<td>1.040</td>
<td>0.528</td>
<td>1.57</td>
<td>7.0</td>
<td>11.0</td>
</tr>
<tr>
<td>1 1/2</td>
<td>1 5/8</td>
<td>1.625</td>
<td>1.360</td>
<td>0.746</td>
<td>2.11</td>
<td>8.0</td>
<td>16.9</td>
</tr>
<tr>
<td>2</td>
<td>2 1/8</td>
<td>2.125</td>
<td>2.060</td>
<td>1.306</td>
<td>3.37</td>
<td>8.0</td>
<td>26.9</td>
</tr>
<tr>
<td>2 1/2</td>
<td>2 5/8</td>
<td>2.625</td>
<td>2.920</td>
<td>2.018</td>
<td>4.94</td>
<td>9.0</td>
<td>44.4</td>
</tr>
<tr>
<td>3</td>
<td>3 1/8</td>
<td>3.125</td>
<td>4.000</td>
<td>2.876</td>
<td>6.88</td>
<td>10.0</td>
<td>68.8</td>
</tr>
<tr>
<td>3 1/2</td>
<td>3 5/8</td>
<td>3.625</td>
<td>5.120</td>
<td>3.900</td>
<td>9.02</td>
<td>11.0</td>
<td>99.2</td>
</tr>
</tbody>
</table>

### Usage 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 Inc., or via the website www.gripple.com.

Please adhere to the following usage 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.

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

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

- **Lubrication**
  Do not apply oil or any other lubricant to the cable fastener, or any other part of the assembly.

- **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 pool environments.

- **Impact**
  If there is potential for impact on the cable suspension or suspended services, seek advice from Gripple Technical Services prior to installation.

- **Cable**
  Always use the Gripple fastener supplied with Gripple cable. Never use on coated cable or other cable. Trim any damaged filaments with the cable cutter before use.

- **Joining**
  Never join two ends together in-line.

- **Quality & Approvals**
  Gripple UK is ISO 9001:2008 and ISO 14001 certified. Gripple products meet the highest standards of quality, with the lowest environmental impact. Gripple products hold the following approvals, certifications, and verifications:

  - **breathe malterspec**
  - **Chiltern**
  - **Intertek**
  - **TÜV**
  - **ODS – ECO**
  - **Avageco**
  - **FACTS – ECO**

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