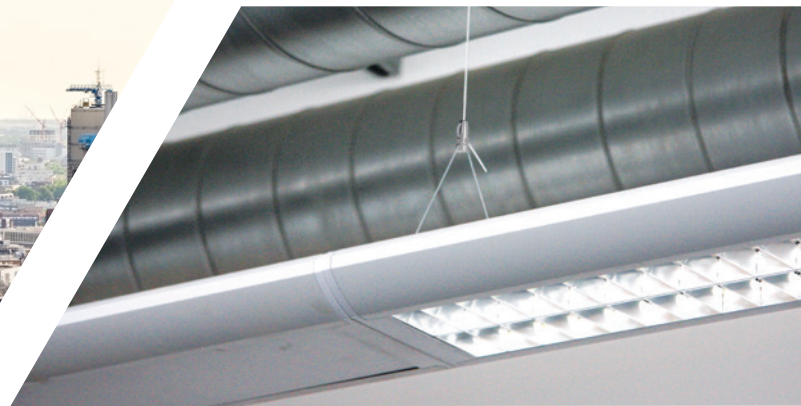




Product Guide

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.

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About Gripple

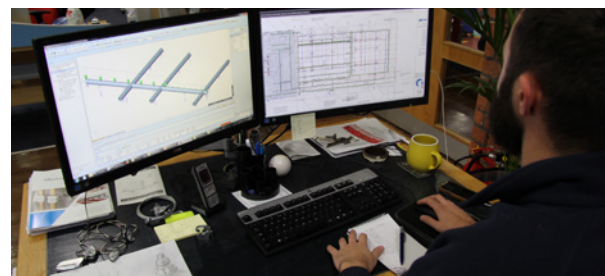
Of the 500 strong Gripple team working worldwide, over 30 people are dedicated to servicing the UK and Ireland. All are experts in suspension solutions for HVAC, M&E, modules, lighting, acoustics and signage. Our facilities in Sheffield enable us to offer a flexible, reactive service to find a solution to your problem, and deliver it quickly.



“...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 job completion
- Next day delivery service 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).



“...**83%** OF FABRICATION
WORK TOOK PLACE OFF-SITE;
GRIPPLE SOLUTIONS
CONTRIBUTED TO REDUCING
DELIVERY SCHEDULE BY
SIX MONTHS...”

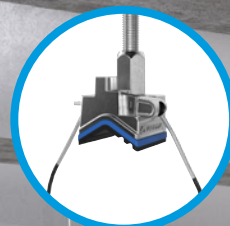
LEADENHALL BUILDING, LONDON



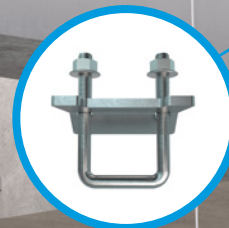
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Pipework



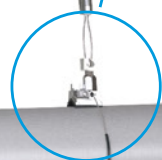
Universal Clamp
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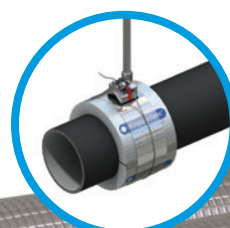
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Beam Clamp
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QT Compact Clamp &
Low Profile Bracket
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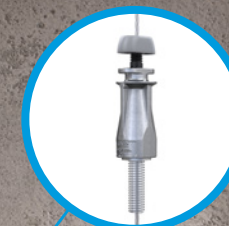
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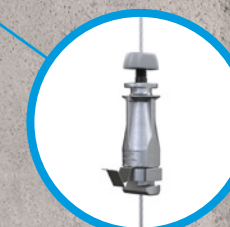
QT Universal Clamp
& Universal Bracket
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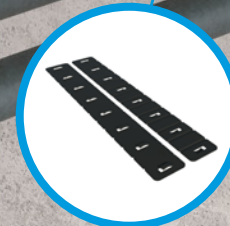
Wall Bracket
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UniGrip – Central Exit
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UniGrip – QT
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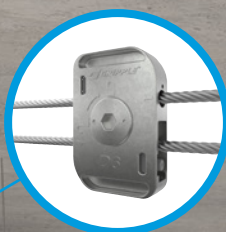


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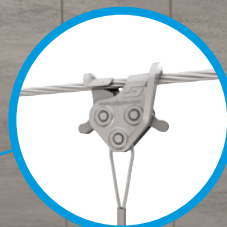
The **Gripple®** range of supports and hangers has been developed to provide a fast and versatile solution for suspending all types of pipework.

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

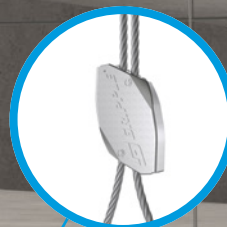
HVAC



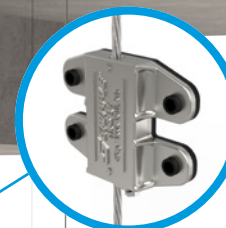
Catenary Kit
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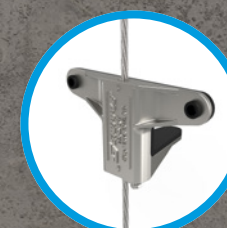
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Standard Hanger
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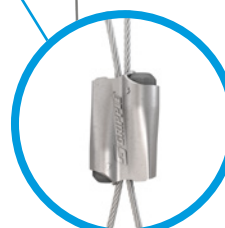
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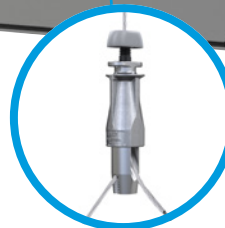
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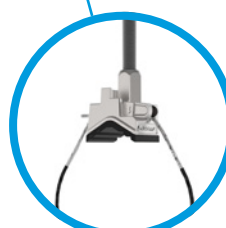
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UniGrip – Standard
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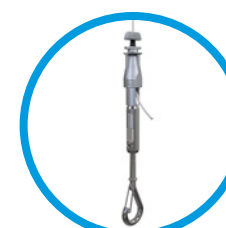
UniGrip – Y-Fit
Page 39



Universal Clamp
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UniGrip – Central Exit
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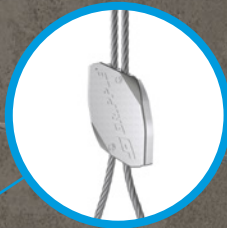


UniGrip – Calibra
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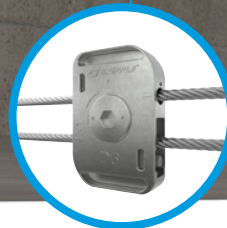
The **Gripple**® range of hangers for HVAC applications has been developed to provide a fast and versatile solution for suspending ductwork, heaters, air conditioning, radiant panels and plenum boxes.

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

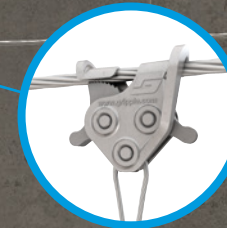
Electrical



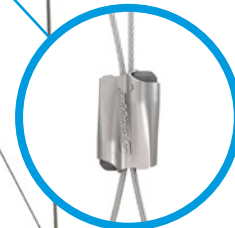
Standard Hanger
Page 32



Catenary Kit
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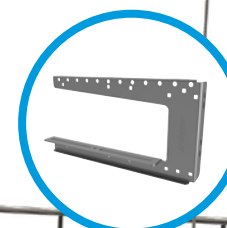
C-Clip
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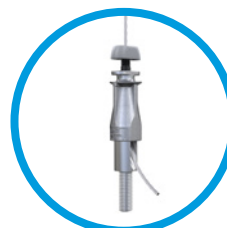
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UniGrip – Side Exit
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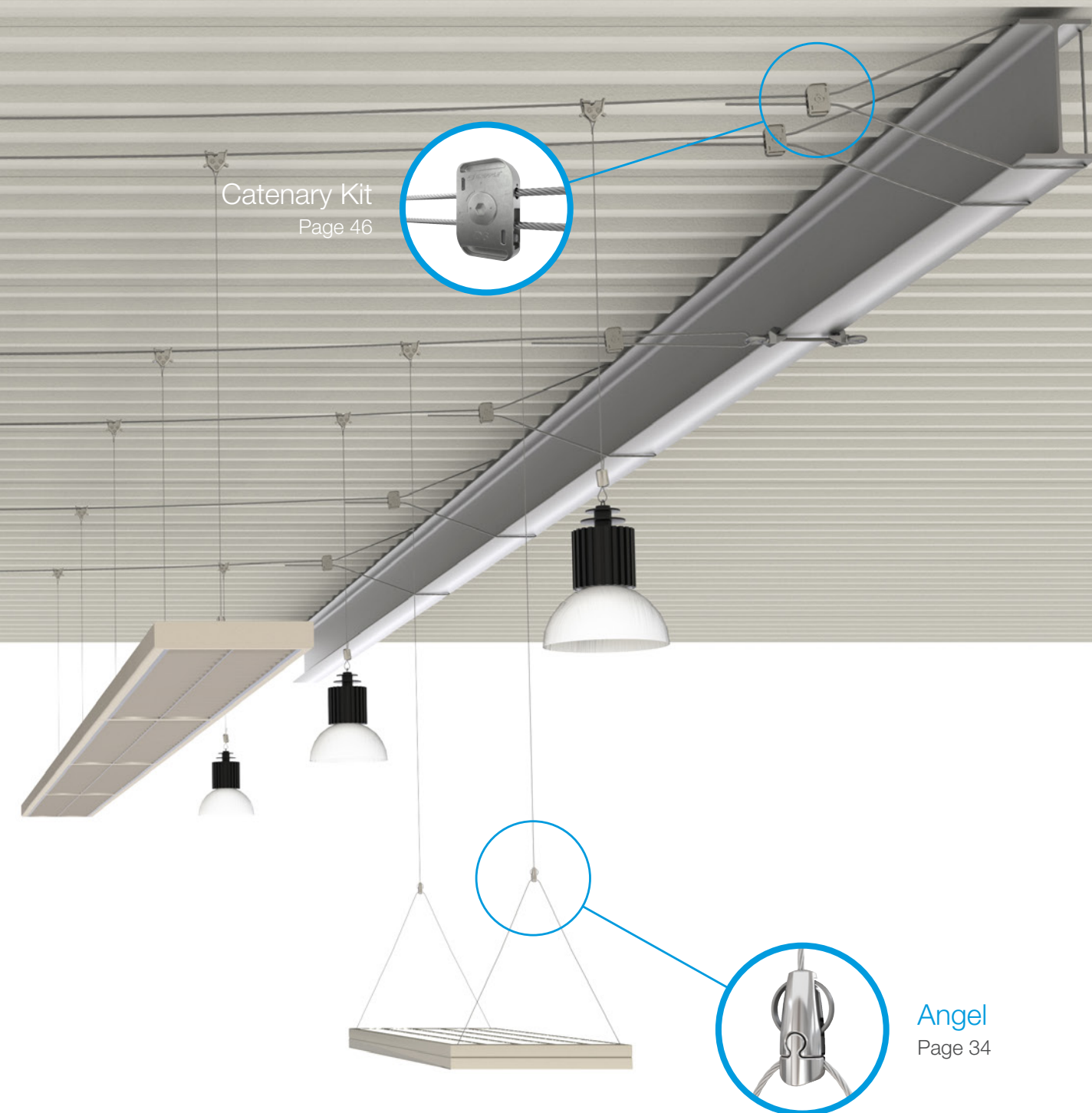


UniGrip – Y-Fit
Page 39

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

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

Lighting



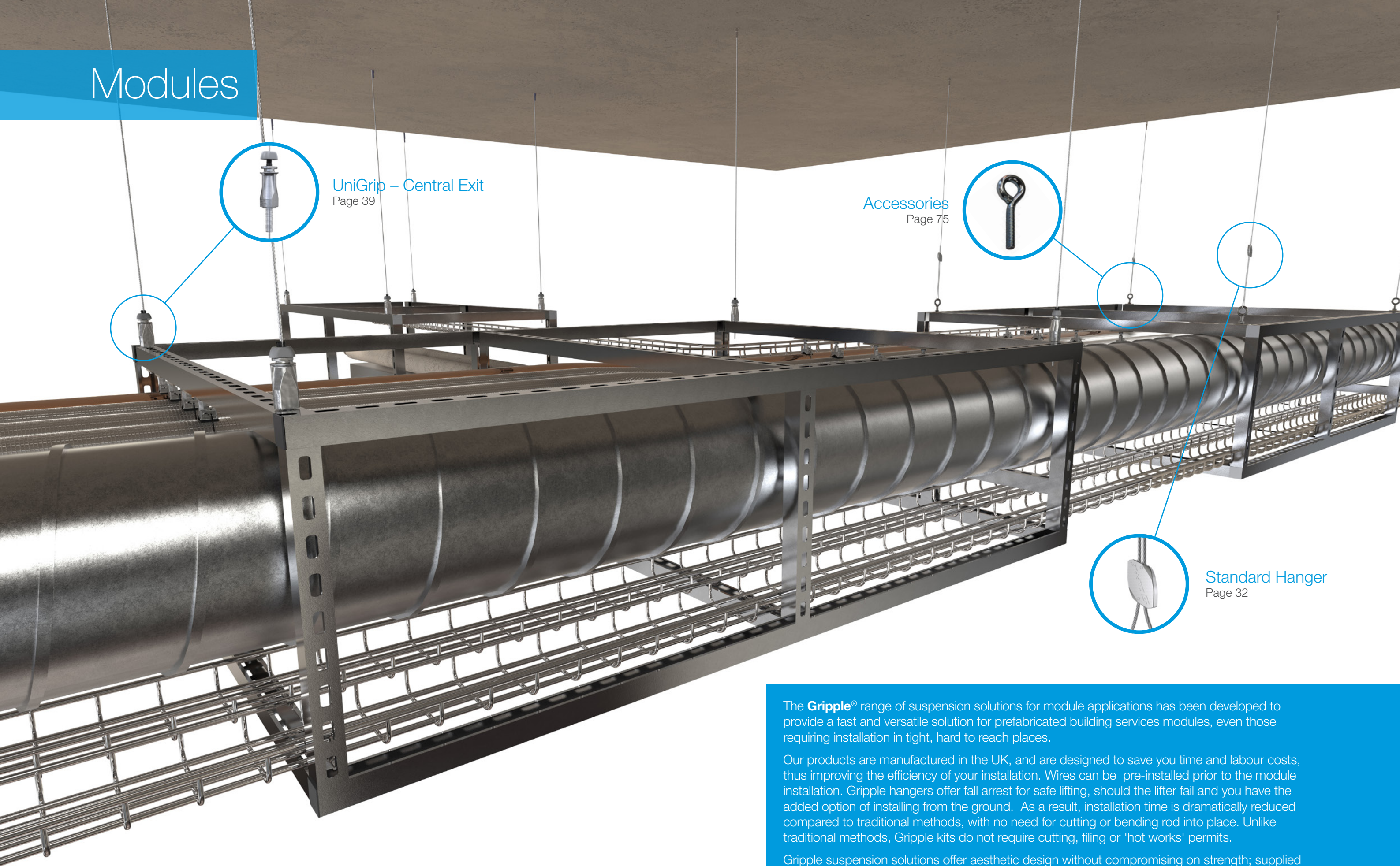
The Gripple® range of suspension solutions for lighting are manufactured in the United Kingdom, and have been designed to save you time, money and labour by improving the efficiency of the installation process. Unlike traditional methods, Gripple kits require no on-site cutting, filing or hot works,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



Modules



UniGrip – Central Exit
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Standard Hanger
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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.

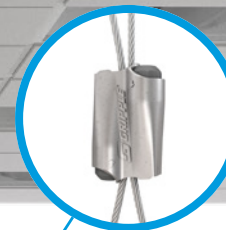
Our products are manufactured in the UK, and are designed to save you time and labour costs, thus improving the efficiency of your installation. Wires can be pre-installed prior to the module installation. Gripple hangers offer fall arrest for safe lifting, should the lifter fail and you have the added 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.

Signage



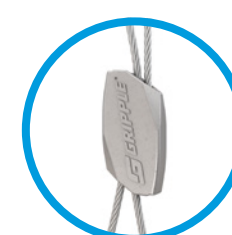
Angel Hook
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Express
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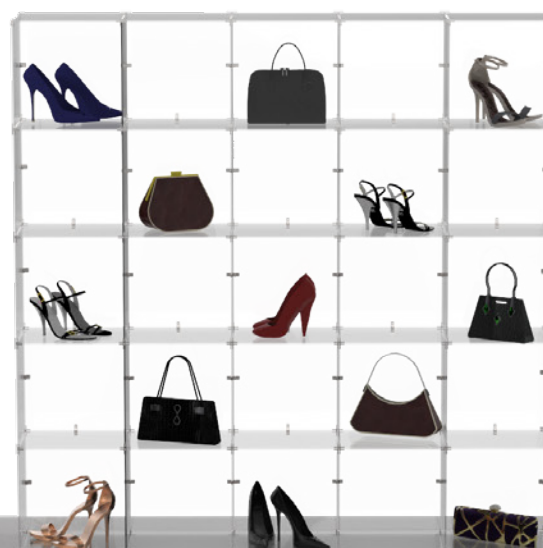
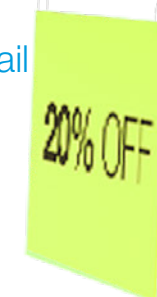
Angel
Page 34



Standard Hanger
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Angel
Signage Rail
Page 35



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

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

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

Acoustics

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

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

Black Line



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

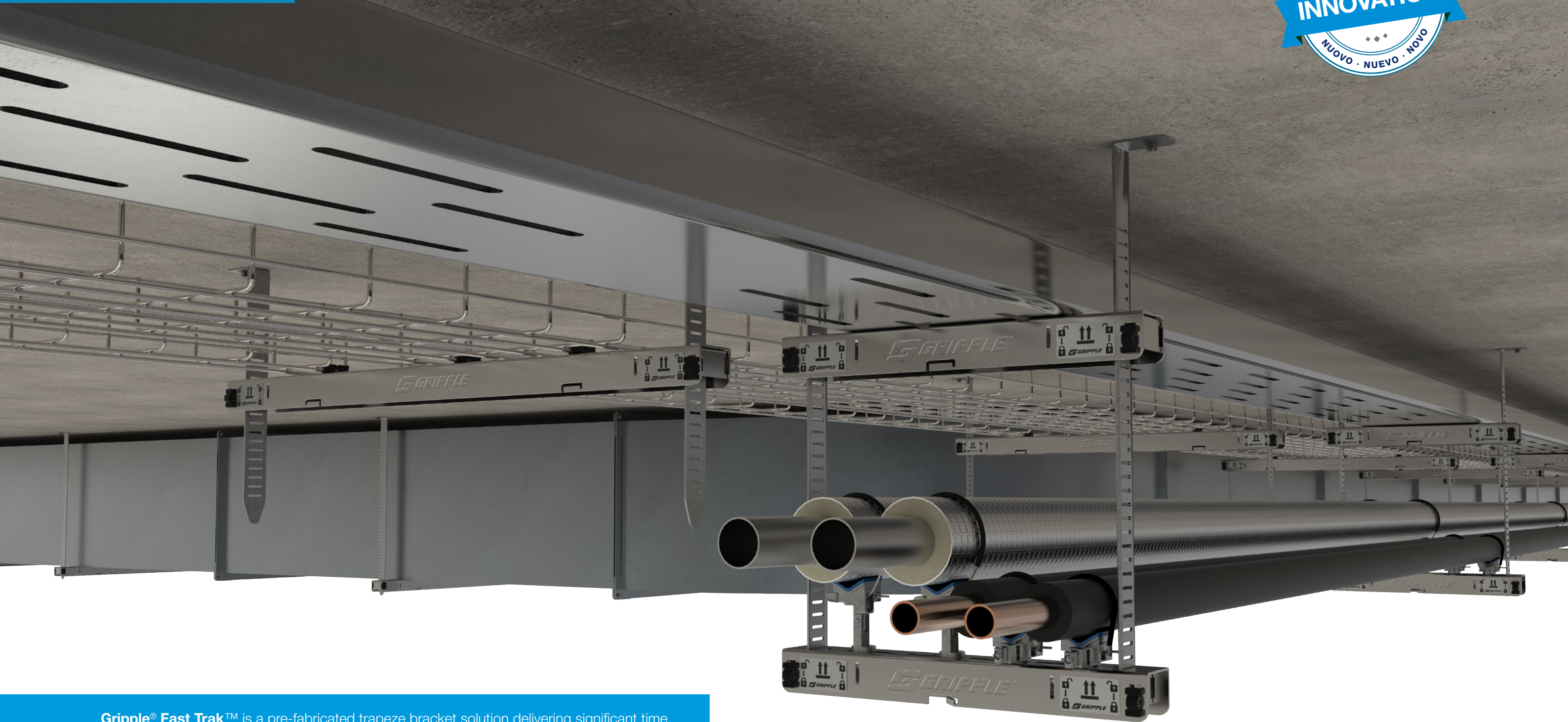
The slim and unobtrusive aesthetics of Gripple's wire suspension systems have always proved perfectly suited to the design of many modern buildings, either where building services in the roof space are left exposed and visible, or for specific applications such as the suspension of lighting.

The 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 are paramount, including retail spaces, theatres, exhibition and concert halls.

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

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

Fast Trak



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 high rise office blocks and residential buildings, Fast Trak delivers all the customary time and labour savings synonymous with Gripple solutions, on projects where ceiling space is at a premium.

[See Fast Trak product information on page 48](#)

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

UniGrip



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

For further information please call (01 14) 275 2255 or email sales@gripple.com



Seismic Bracing & Blast Protection Systems



Seasonal (External Catenaries)



Bracing Solutions



Solar Panel Installation



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Standard Hanger

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

- Quick** – fewer components compared to traditional methods, up to six times faster to install than traditional suspension systems
- Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site
- Strong** – industry approved, conforms to 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

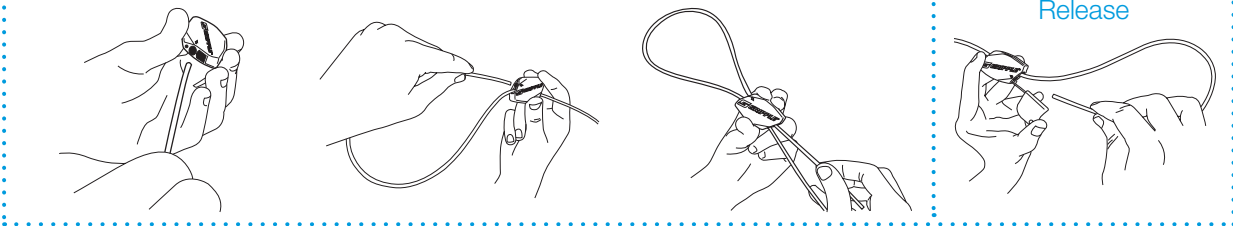


Available Sizes and Load Ratings

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

Installation Steps



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

End Fixings
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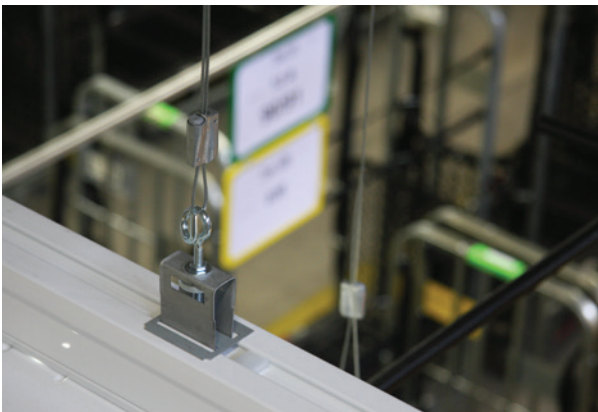
Technical
Page 86

Product codes
Page 37



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

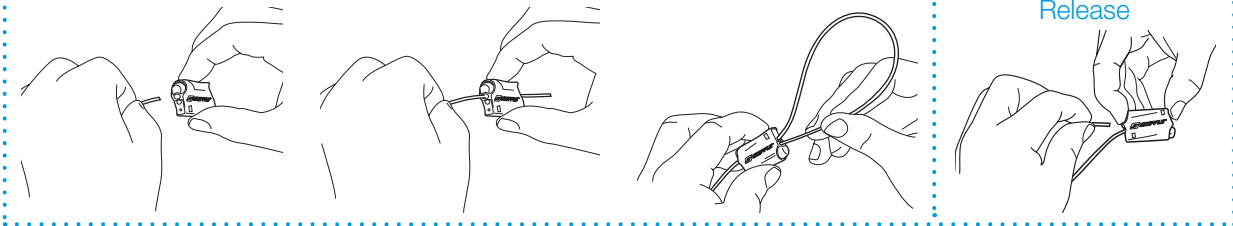


Available Sizes and Load Ratings

	No. 1 15 kg 5:1 SWL		No. 2 45 kg 5:1 SWL
---	----------------------------------	---	----------------------------------

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

Installation Steps



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

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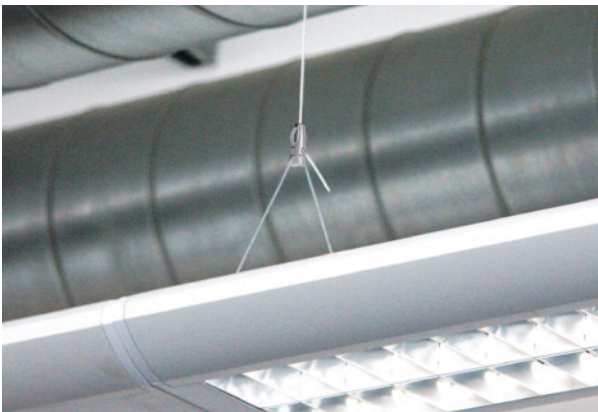
Technical
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Angel

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

	No. 1 15 kg 5:1 SWL
---	----------------------------------

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













Installation Steps



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

Angel Feet

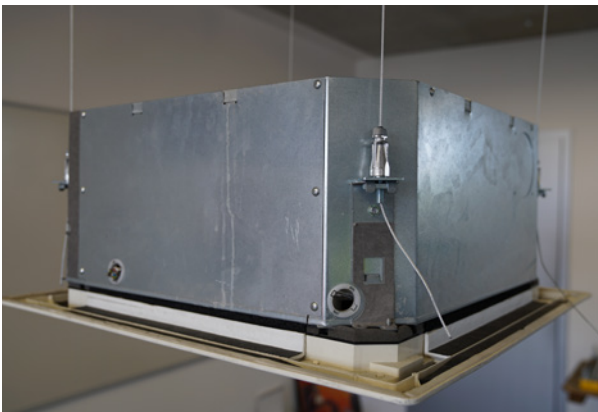
The Angel is now even more versatile with a wide range of feet available to suit your application.

	Y-Fit <ul style="list-style-type: none">Dual fixing points for balance150, 300 and 460 mm leg lengths as standardAvailable with a variety of wire end fixingsCentral wire exit		Swivel <ul style="list-style-type: none">Swivel feature for suspension at angles up to 90°Available in M4, M6, M8 and 1/4" UNCFemale: maximum insertion depth 6 mmMale: 15 mm exposed thread length as standardSide wire exit
	Hook <ul style="list-style-type: none">Ideal for light fittings, signage, or for use with eyebolts, spring and wire anchorsSafety clasp for securityIntegrated hook with 2.5 mm clearanceSide wire exit		Disc <ul style="list-style-type: none">Ideal for use with various lighting tracks and track hangersDisc diameter ø17.5 mmAvailable with a variety of wire end fixingsSide wire exit
	Side Exit Female <ul style="list-style-type: none">Female threaded foot, ideal for direct attachment to light fittings, frames and acoustic panelsAvailable in M4, M6 and 1/4" UNCMaximum insertion depth 6 mmSide wire exit		Signage Rail <ul style="list-style-type: none">Ideal for suspending signage or panels on either a rail or by screwsTwo screw holes for direct attachmentCentral wire exit
	Side Exit Male <ul style="list-style-type: none">Threaded male foot, ideal for direct attachment to light fittings, frames and acoustic panelsAvailable in M4, M6 and 1/4" UNC as standard. M5, M8, M10 and M13 adaptors available15 mm exposed thread length as standard, bespoke lengths on requestSide wire exit		Four Point <ul style="list-style-type: none">Ideal for light panels with multi fixing pointsPerfect for even balance of square modulesSide wire exitFour Point disc diameter 16 mm
	Central Exit <ul style="list-style-type: none">Threaded male foot, ideal for direct attachment to light fittingsAvailable in M6 and 1/4" UNC, as standard5 mm minimum exposed thread length as standard, bespoke lengths on requestCentral wire exit		Angel Knockout <ul style="list-style-type: none">Ideal for strip lighting with standard 7/8" knockout holesSlots into knockout centers and twists to lock into placeNo tools needed, or the need to remove the back of the fixture
	Signage <ul style="list-style-type: none">Ideal for signage up to 5 mm in thicknessGrub screw for direct attachmentAvailable with a variety of wire end fixingsSide wire exit <p>SWL dependent on the material it is used to suspend</p>		Angel Helix <ul style="list-style-type: none">Ideal for fast installation and easy adjustment of acoustic panelsHelix screw locks simply into acoustic panels using a hex keyLocks into acoustic panel with audible click to confirm secure installationCentral and Side wire exit options




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

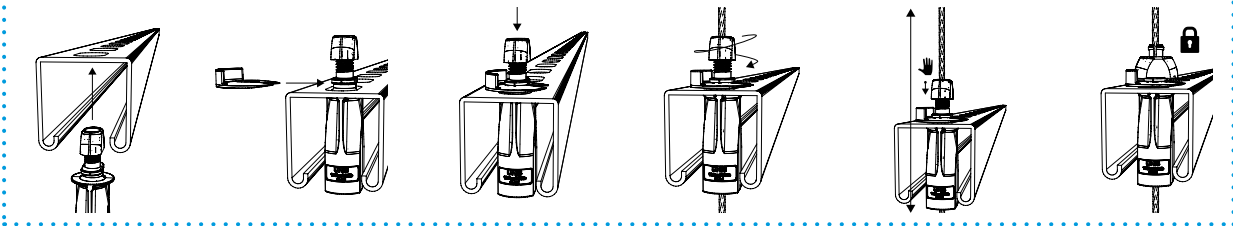


Available Sizes and Load Ratings

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

Installation Steps



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

UniGrip Feet

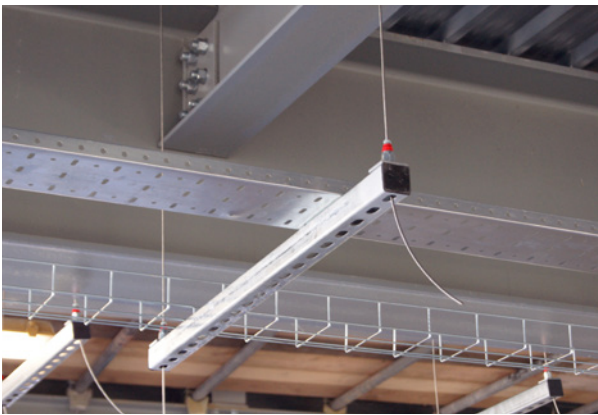
UniGrip is available with a range of ‘feet’ options, making it an ideal solution for all building services applications. Consolidating the number of products used to install services on-site will simplify the entire installation process and offer consistency across the project.

	Standard <ul style="list-style-type: none">Designed for non-mechanical fixing through bracketsSupplied with retention clip for pre-fabrication applicationsCentral wire exit		Calibra <ul style="list-style-type: none">Designed for adjustment of building services under load35 mm of finite adjustment using integral adjustment pillar and M8 threadSide wire exit
	QT <ul style="list-style-type: none">Designed for use with Gripple Universal BracketsQuarter turn installation, no mechanical fix requiredSafety dip for added securityCentral wire exit		Hook <ul style="list-style-type: none">Self closing latch for securityDesigned for heating/cooling panels and light fittingsSide wire exit
	Central Exit <ul style="list-style-type: none">Designed for services suspended with channelSupplied with either a square washer and channel nut or hex nut25 mm male thread for mechanical fixingM8 (UniGrip No. 2), M10 (UniGrip No. 3) M12 (UniGrip No. 4)Central wire exit		Y-Fit <ul style="list-style-type: none">Designed for lighting or containmentDual fixing points for balance150 mm, 300 mm and 500 mm leg lengths as standardLegs available with a variety of wire end fixings eg. Toggle, Snap Hook etc.Side wire exit
	Side Exit <ul style="list-style-type: none">Designed for applications in which wire cannot exit centrally (avoiding clashes with services)Supplied with a hex nutSide wire exit		Cable Basket Adaptor <ul style="list-style-type: none">Designed for fast suspension of cable baskets (up to 6mm thickness)Eliminates requirement for channel bearersCentral wire exit




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

	No. 2 45 kg 3:1 SWL		No. 3 90 kg 3:1 SWL		No. 4 225 kg 3:1 SWL
---	----------------------------------	---	----------------------------------	---	-----------------------------------

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

Installation Steps



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

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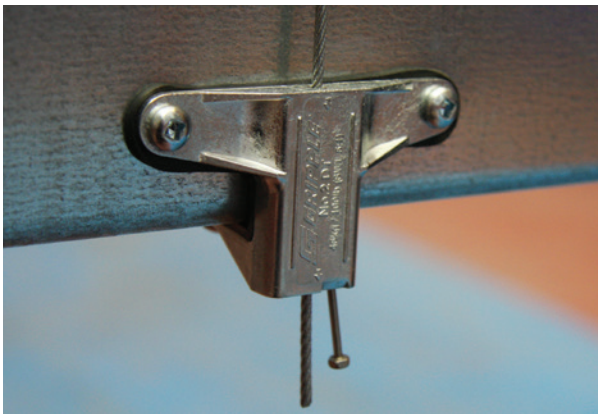
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Duct Trapeze

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

- Quick** – adjustment pin allows for rapid adjustment, no Setting Key required
- High performance** – rubber pad prevents air leakage and dampens vibration
- Strong** – industry approved, conforms to 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

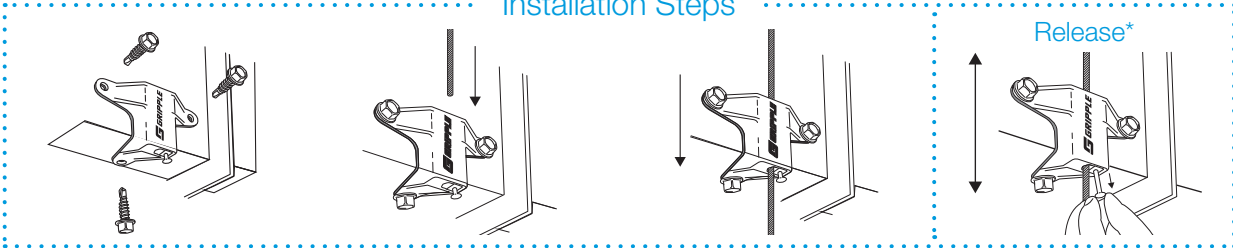


Available Sizes and Load Ratings

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

Installation Steps



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

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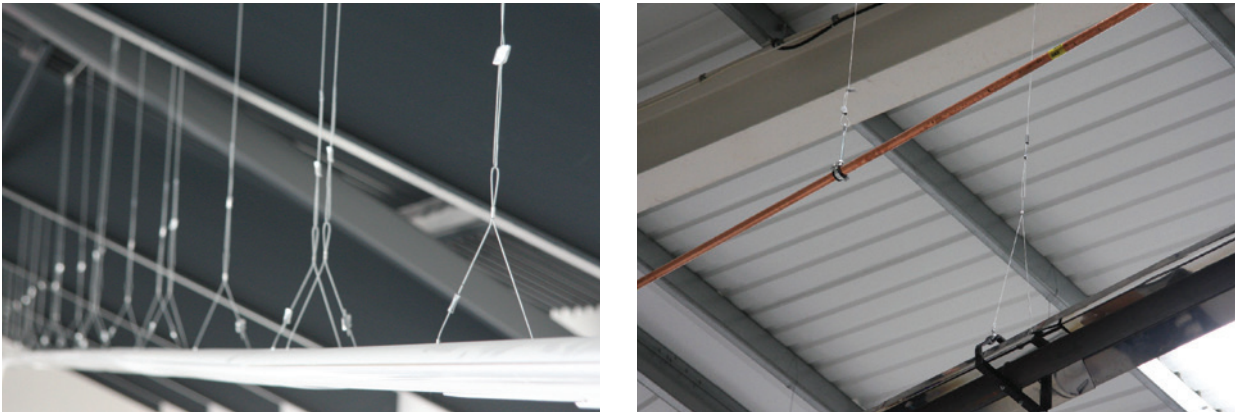
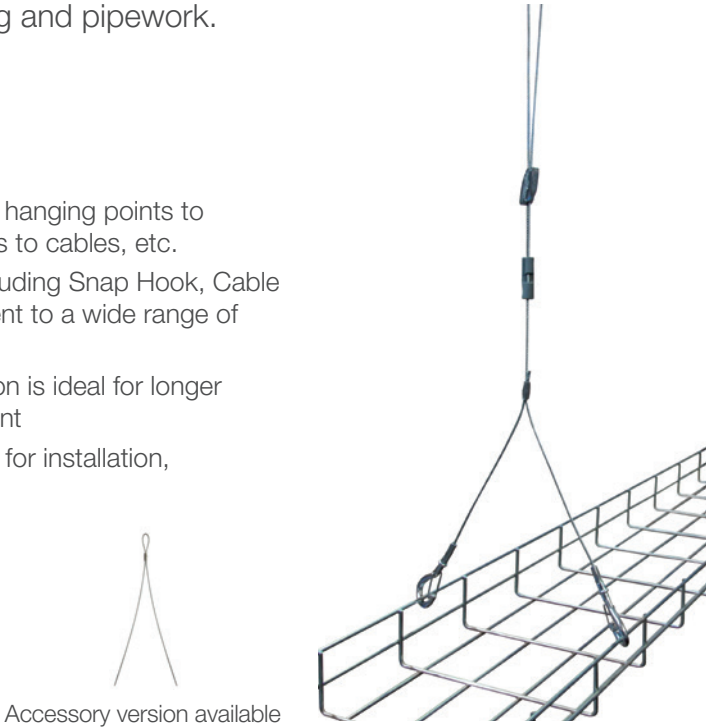
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Y-Fit & Y-Fit Accessory

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



Available Sizes and Load Ratings

	No. 2 45 kg 5:1 SWL
--	----------------------------------

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

Installation Steps



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

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

4

CHOOSE YOUR LEG LENGTH*

150MM

300MM

500MM

*Not available on Y-Fit Accessory

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

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 for further details.

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45



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

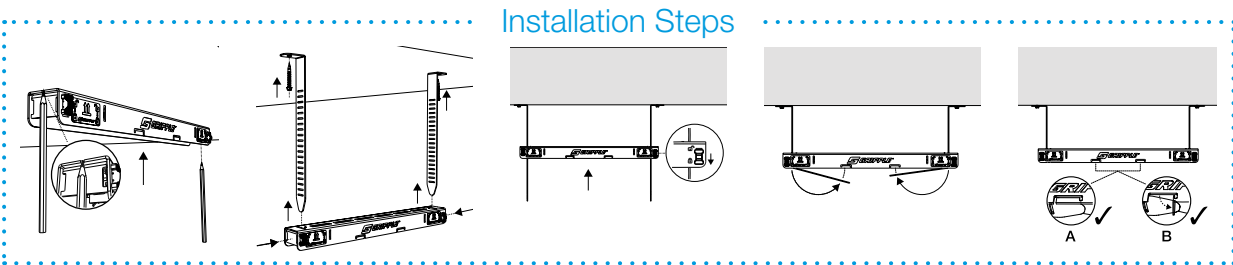


Available Bracket Sizes

	
FTB250 – 180 kg 3:1 SWL	FTB600 – 180 kg 3:1 SWL
FTB350 – 180 kg 3:1 SWL	FTB750 – 180 kg 3:1 SWL
FTB450 – 180 kg 3:1 SWL	FTB900 – 180 kg 3:1 SWL

Available Track Sizes

	
FTT 285 – 90 kg 5:1 SWL	FTT 785 – 90 kg 5:1 SWL
FTT 535 – 90 kg 5:1 SWL	



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

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Fast Trak Kit Codes

How to work out your unique product code:

1 CHOOSE YOUR BRACKET LENGTH

 Fast Trak Bracket 250 mm FTB250	 Fast Trak Bracket 350 mm FTB350	 Fast Trak Bracket 450 mm FTB450
 Fast Trak Bracket 600 mm FTB600	 Fast Trak Bracket 750 mm FTB750	 Fast Trak Bracket 900 mm FTB900
 Fast Trak Bracket 1050 mm FTB1050	 Fast Trak Bracket 1200 mm FTB1200	 Fast Trak Bracket 1500 mm FTB1500

2 CHOOSE YOUR TRACK LENGTH

 Fast Trak Track 285 mm FTT 285	 Fast Trak Track 535 mm FTT 535	 Fast Trak Track 785 mm FTT 785
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OPTIONAL ACCESSORIES

 Cable Basket Clip Page 85	 Cable Tray Clip Page 85	 QT Compact Clamp Page 52
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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.

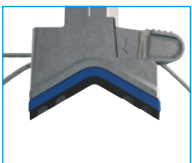
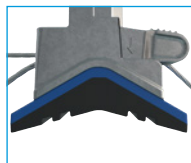
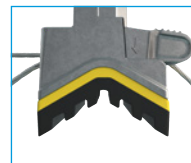
QT Universal Clamp

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

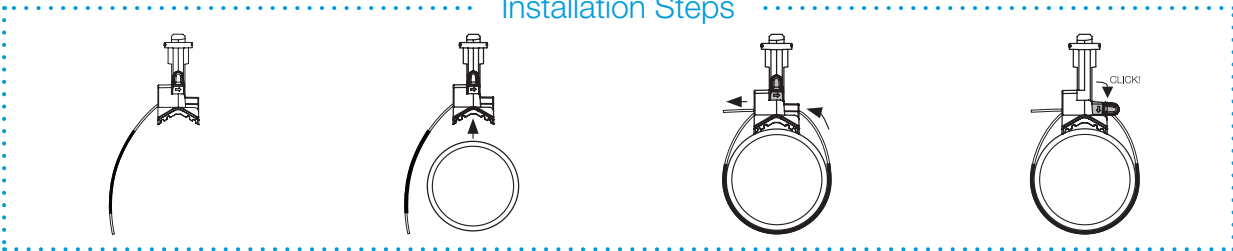


Available Sizes and Load Ratings

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

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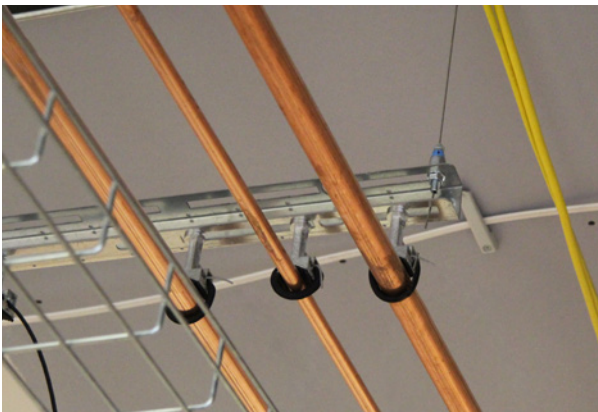
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Universal Bracket

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 1240 mm and fire tested by BRE

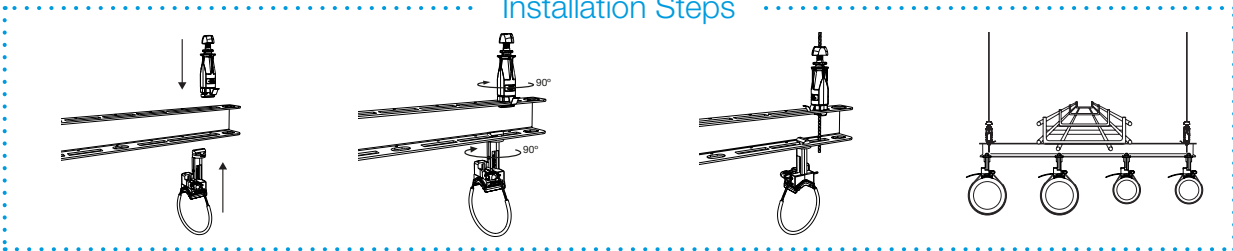


Size Variants

	Available in 100 mm increments from 240 mm - 1240 mm
	240 mm – 150 kg 1040 mm – 150 kg
	340 mm – 150 kg 1240 mm – 150 kg
	640 mm – 150 kg

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

Installation Steps



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

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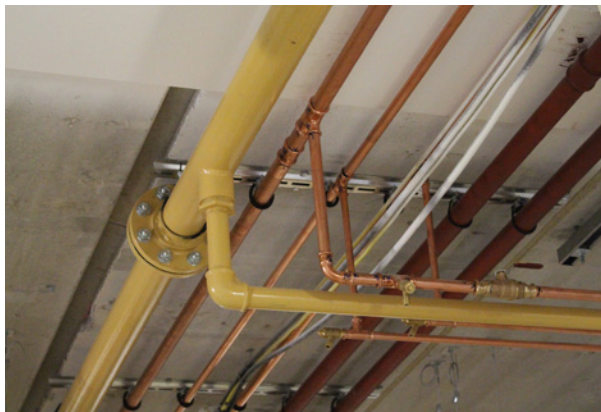
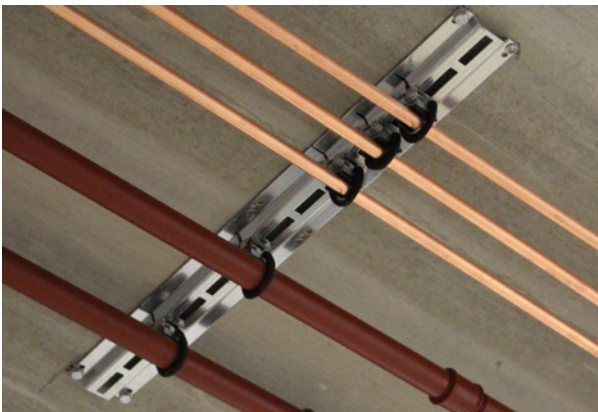
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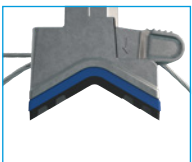
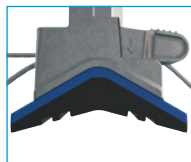
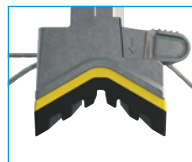
QT Compact Clamp

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

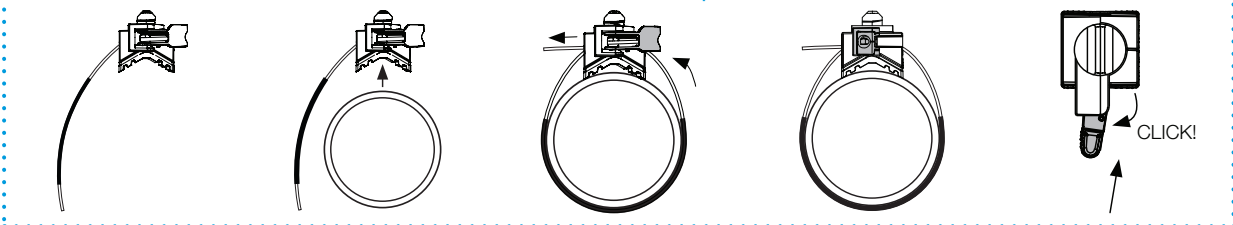


Available Sizes and Load Ratings

	Standard Rubber pad for insulation purposes 14 dBa reduction.		Large Improved fit for large dia. pipe Most suitable for 3" and above 18 dBa reduction.		Large Improved fit for large dia. pipe Most suitable for 3" and above 18 dBa reduction.
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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.

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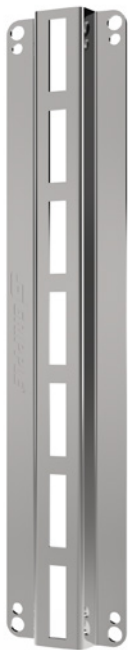
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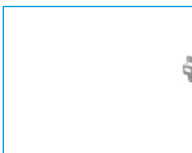
Low Profile Bracket

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 1250 mm

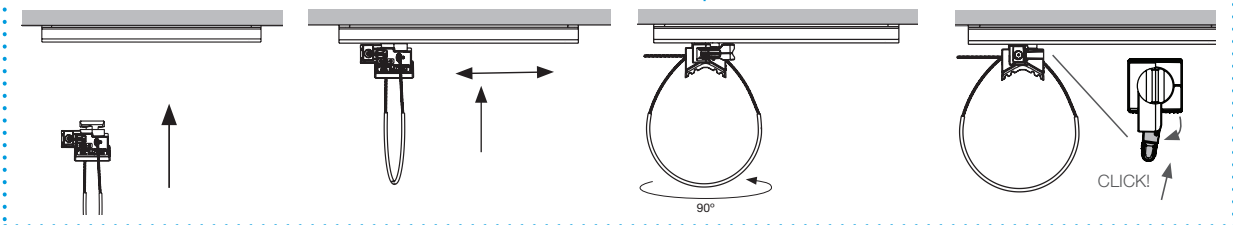


Size Variants

	250 mm – 150 kg 350 mm – 150 kg 650 mm – 150 kg	950 mm – 150 kg 1250 mm – 150 kg (Available in 100 mm increments from 250 mm - 1250 mm)
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Supplied as ready-to-use kits with a choice of QT Universal Clamps or QT Compact Clamps.

Installation Steps



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

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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



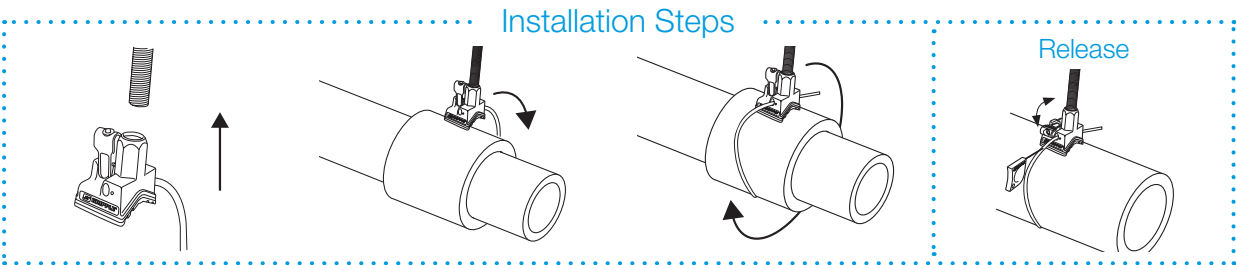
..... Thermal Efficiency

Kooltherm® -50°C to +120°C	Armaflex® -183°C to +105°C
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..... Thermal Conductivity

Kooltherm® 0.021 W/m·K at 10°C	Armaflex® 0.036 W/m·K at 10°C
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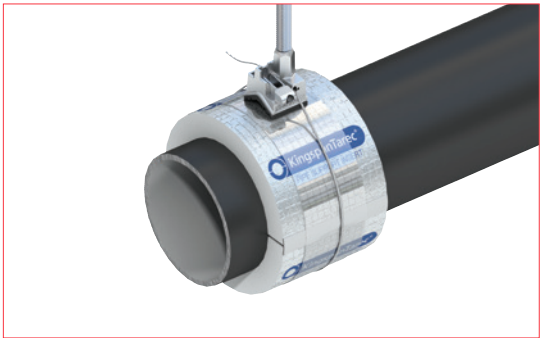


Contact Gripple for full product information, submittal data and technical support.

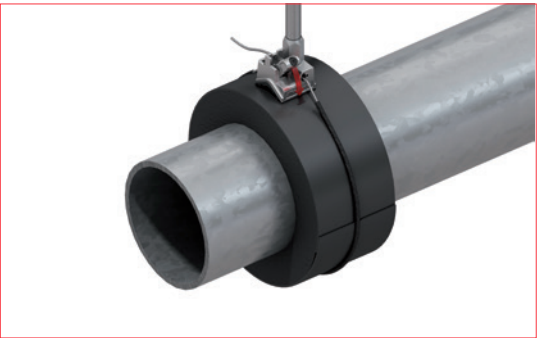
Pipe Insulation Collar Codes

How to work out your unique product code:

1 CHOOSE YOUR INSULATION



Kooltherm®
GKT-PS



Armaflex®
GAF-PS

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):

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>
INSULATION							PIPE DIAMETER		INSULATION THICKNESS		

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





Loop & Stud	page 60
Toggle & Snap Hook	page 61
Cable Tray Hook & Mini Hook	page 62
Barrel & Top Hat	page 63
End Stop & Eyelet	page 64
45° Eyelet & 90° Eyelet	page 65
Cladding Hook & Ring Anchor	page 66
Ceiling Anchor & Link Hook	page 67
Karabiner & C-Clip	page 68
Shot Fire & Channel Nut	page 69
Decking Wedge & Alphawedge	page 70
Multiwedge 2 & TR60 Wedge	page 71
MF Wedge & Twist Clip (White)	page 72
Magnetic Pad & QT Barrel	page 73




Loop

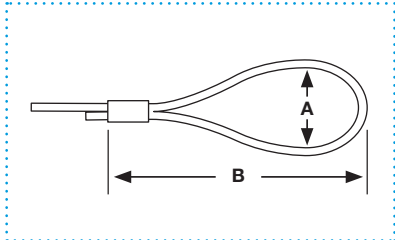
- Hanger using a non-invasive, simple, choke knot technique
- No need for nuts, bolts, clamps or other accessories
- Available up to 325 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Available in stainless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



Available Hangers


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

Installation

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





Install fixings in accordance with manufacturer's specifications.




Stud

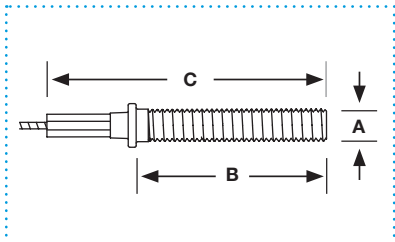
- Supplied with Drop-in Anchors (as standard) or nuts as required
- Available in M6, M8 and M10, up to 225 kg SWL, with up to a 5:1 safety factor
- Supplied as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request
- Also available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



Available Hangers


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

Installation





Install fixings in accordance with manufacturer's specifications.




Toggle

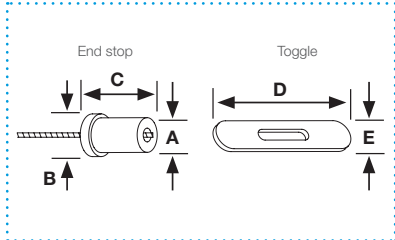
- Ideal when used as a Y-Fit to suspend lighting
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a complete kit with Gripple wire rope and hanger
- Available in stainless steel



Available Hangers


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Installation

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





Install fixings in accordance with manufacturer's specifications.




Snap Hook

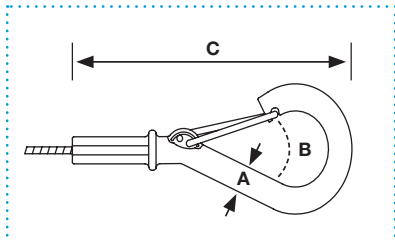
- Quick and easy attachment to cable basket, purlin clips, light fittings
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request



Available Hangers


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Installation

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


Install fixings in accordance with manufacturer's specifications.


Cable Tray Hook


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





Available Hangers



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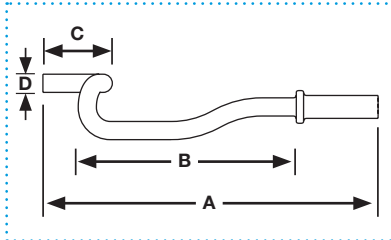

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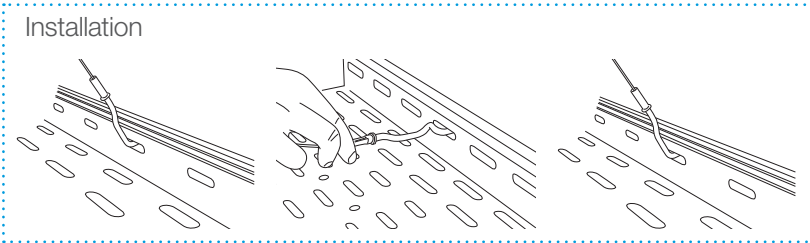

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Size	A (mm)	B (mm)	C (mm)	D (mm)
No. 2 (0 - 45 kg)	92	60	19	5




Install fixings in accordance with manufacturer's specifications.


Mini Hook


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

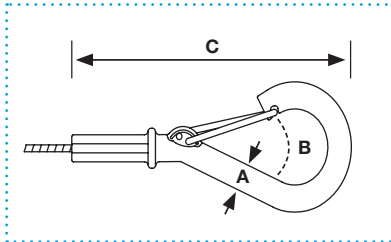


Available Hangers

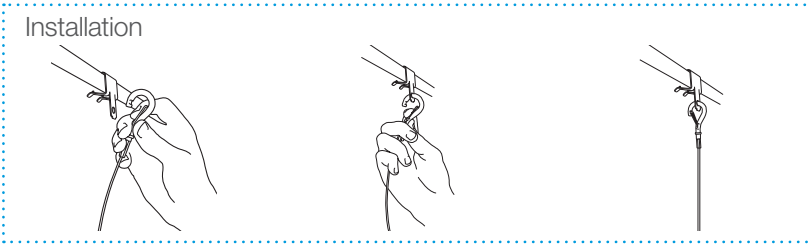

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Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 15 kg)	4.5	5	55




Install fixings in accordance with manufacturer's specifications.


Barrel


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





Available Hangers



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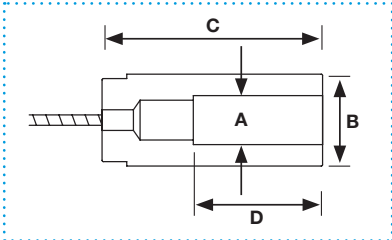

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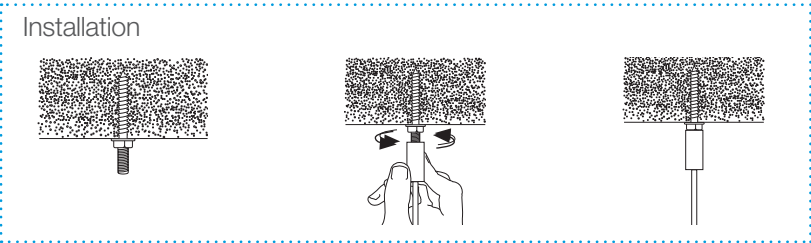

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Size	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 10 kg)	M6	12	45	26
No. 2 (10 - 45 kg)	M6 and M8	12	45	26
No. 3 (45 - 90 kg)	M8	12	45	26




Install fixings in accordance with manufacturer's specifications.


Top Hat


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





Available Hangers



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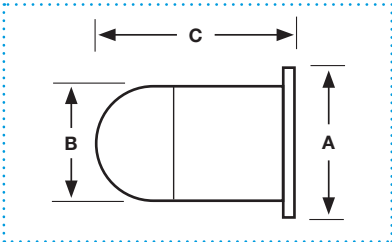

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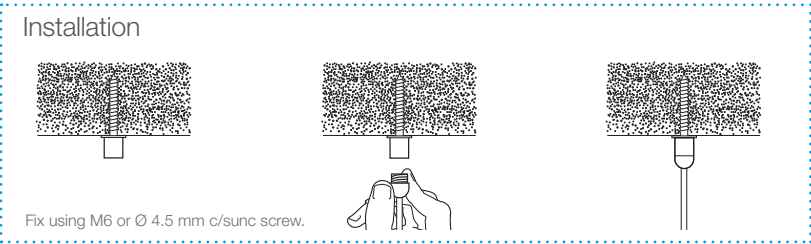

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Size	A (mm)	B (mm)	D (mm)
No. 1 (0 - 10 kg)	18	14	26
No. 2 (10 - 45 kg)	18	14	26





Install fixings in accordance with manufacturer's specifications.


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



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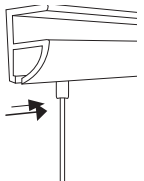
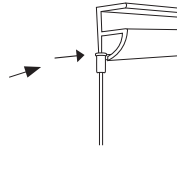
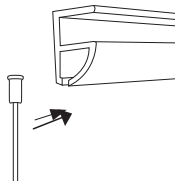

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Installation






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


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


Available Hangers



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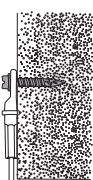
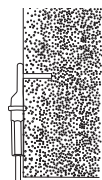
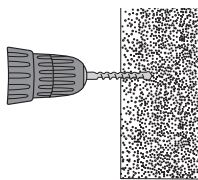

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Installation






Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6.2	7.7	12
No. 2 (10 - 45 kg)	6.2	7.7	12
No. 3 (45 - 90 kg)	6.2	9.7	18


Install fixings in accordance with manufacturer's specifications.


45° Eyelet


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


Available Hangers



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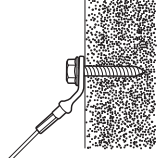
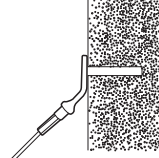
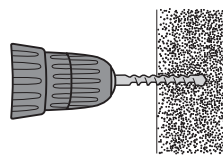

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Installation






Size	A (mm)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	11.2	29	52
No. 3 (45 - 90 kg)	11.2	29	52


Install fixings in accordance with manufacturer's specifications.


90° Eyelet


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


Available Hangers



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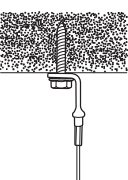
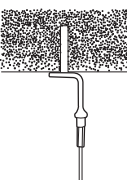
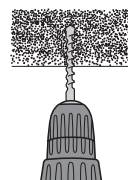

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Installation






Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	7.5	25	38
No. 2 (10 - 45 kg)	7.5	25	38
No. 3 (45 - 90 kg)	7.5	25	38


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



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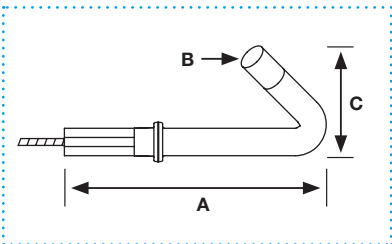

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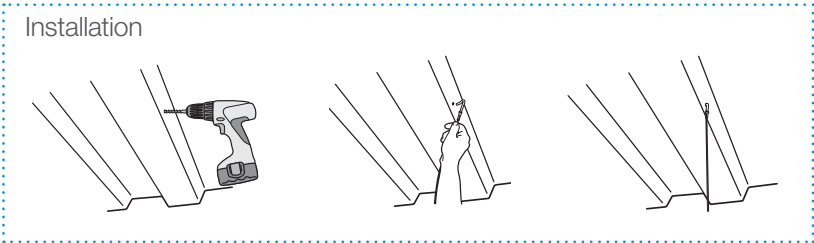

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Size	A (mm)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	59	5	24

Installation





Install fixings in accordance with manufacturer's specifications.


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



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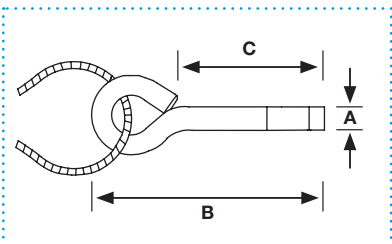

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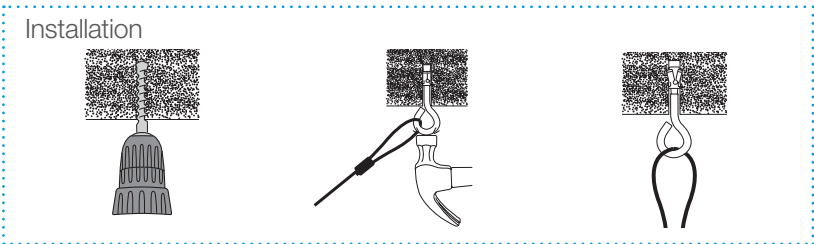

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Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	6	54	35
No. 2 (10 - 45 kg)	6	54	35

Installation





Install fixings in accordance with manufacturer's specifications.


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



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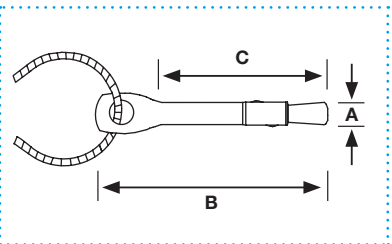

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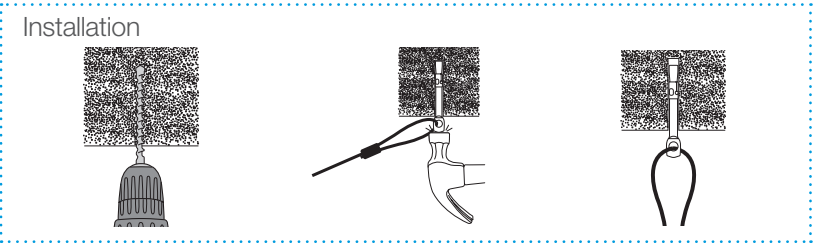

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Installation





Install fixings in accordance with manufacturer's specifications.


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



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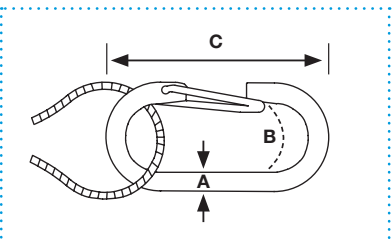

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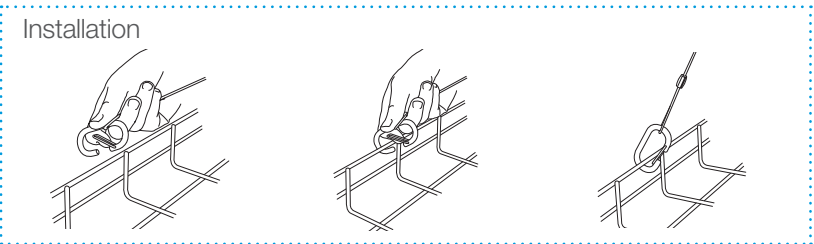

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Installation



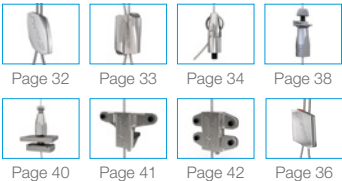
Install fixings in accordance with manufacturer's specifications.

Karabiner

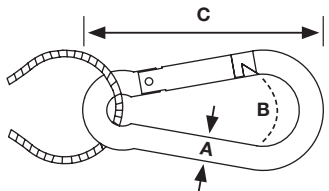
- Provides 9 mm clearance
- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Available in lengths of 1 m - 10 m
- Other lengths are available on request
- Available in Stainless steel (page 36)



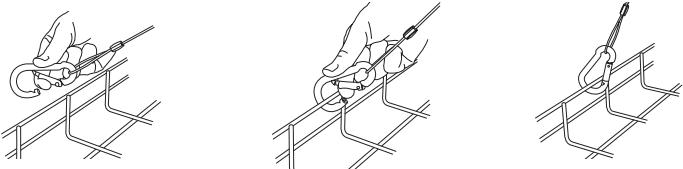
Available Hangers



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Installation



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

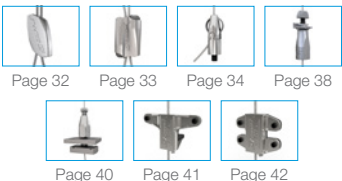
Install fixings in accordance with manufacturer's specifications.

C-Clip

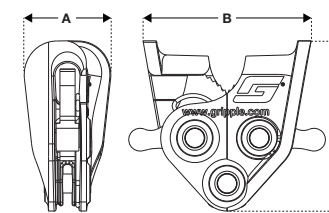
- Up to 10 times faster to install
- Allows horizontal and vertical adjustment
- Cams lock solidly in place even at angles up to 60°
- 3 mm and 6 mm versions available
- Available up to 45 kg SWL with up to a 5:1 safety factor
- Comes as a ready-to-use kit with Gripple wire rope and hanger
- Can be retrofitted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




Available Hangers



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Installation



Size	A (mm)	B (mm)	C (mm)
3 mm C-Clip	12	26	33
6 mm C-Clip	23	45	45

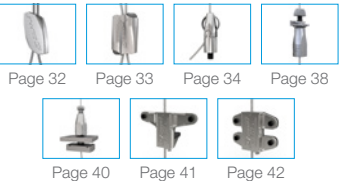
Install fixings in accordance with manufacturer's specifications.

Shot Fire


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



Available Hangers

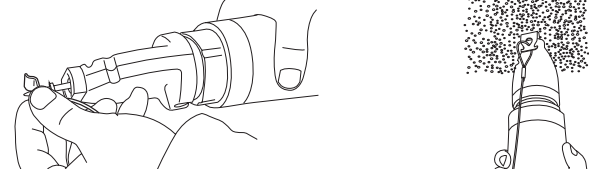


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For use with BX3-ME For use with DX351 or DX2

Installation



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


For use with spit tools.
Install fixings in accordance with manufacturer's specifications.

Channel Nut

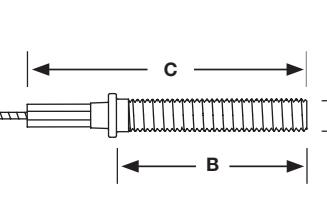
- Fast to install
- Pre-assembled and ready-to-insert
- Fits directly into the channel
- Available up to 90 kg SWL with up to a 5:1 safety factor
- Fits both 41 x 41 and 41 x 21 channel
- Ideal for common rail installations
- Ideal for multi-tier installations
- No additional components required



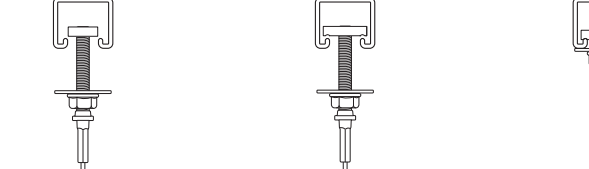
Available Hangers



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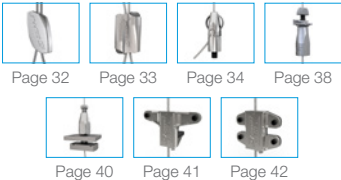
Size	A (mm)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70

Install fixings in accordance with manufacturer's specifications.

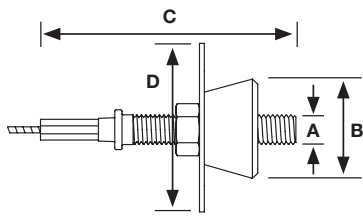
Decking Wedge

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

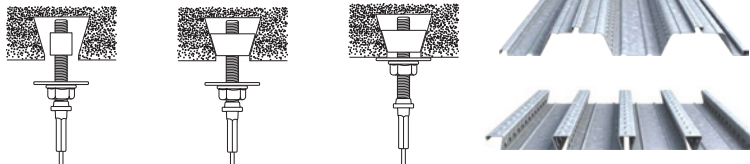
Available Hangers



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Installation





25 mm Wedge

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

18 mm Wedge

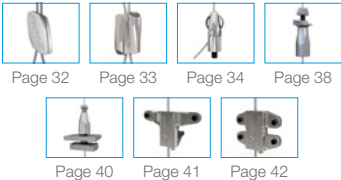
Size	A Ø	B (mm)	C (mm)	D (mm)
No. 2 (0 - 45 kg)	M8	18	70	40
No. 3 (45 - 90 kg)	M8	18	70	40

Install fixings in accordance with manufacturer's specifications.

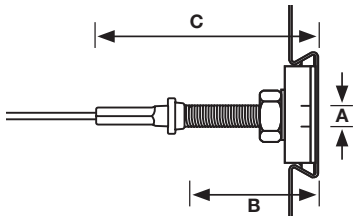
Alphawedge

- 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

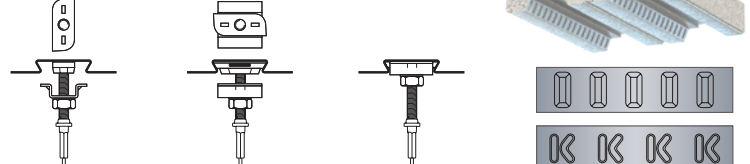
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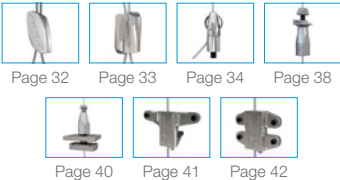
Size	A (Ø)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70

Install fixings in accordance with manufacturer's specifications.

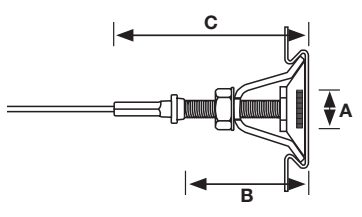
Multiwedge 2

- 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

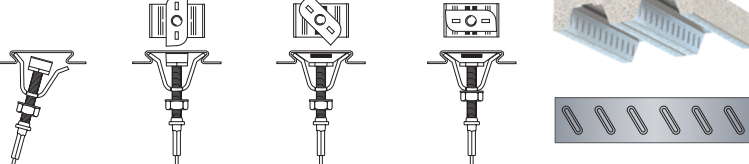
Available Hangers



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Installation





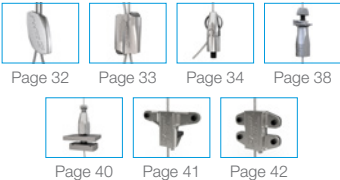
Size	A (Ø)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70

Install fixings in accordance with manufacturer's specifications.

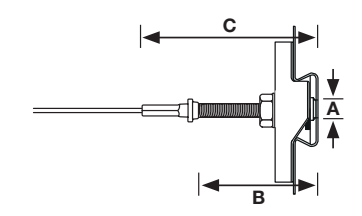
TR60 Wedge

- 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

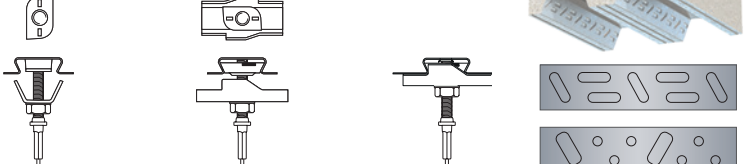
Available Hangers



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Installation








Size	A (Ø)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70




Install fixings in accordance with manufacturer's specifications.

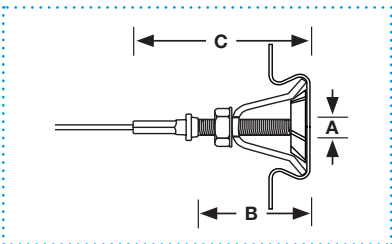
MF Wedge

- 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

Available Hangers

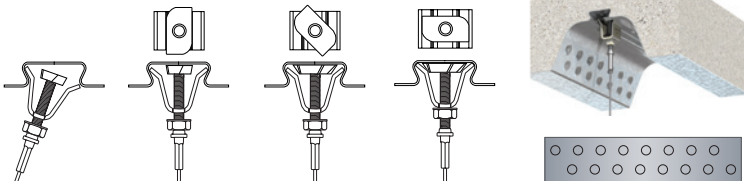

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Size	A (Ø)	B (mm)	C (mm)
No. 2 (0 - 45 kg)	M8	45	70
No. 3 (45 - 90 kg)	M8	45	70

Installation






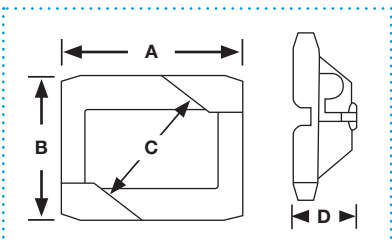
Install fixings in accordance with manufacturer's specifications.

Twist Clip (White)

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

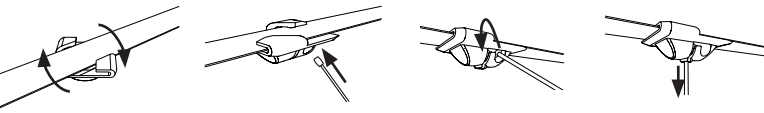
Available Hangers


Page 32 Page 33 Page 34



Size	A (mm)	B (mm)	C (mm)	D (mm)
No. 1 (0 - 15 kg)	40	32	24	15

Installation






Install fixings in accordance with manufacturer's specifications.

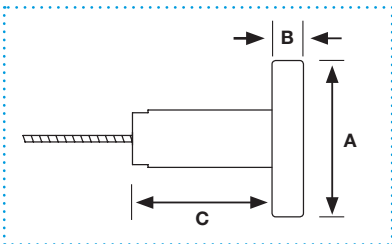


Magnetic Pad

- 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

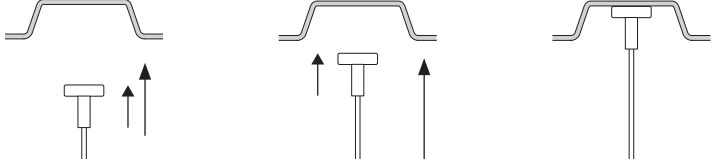
Available Hangers


Page 32 Page 33 Page 34



Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 8 kg)	25	8	45

Installation






Install fixings in accordance with manufacturer's specifications.

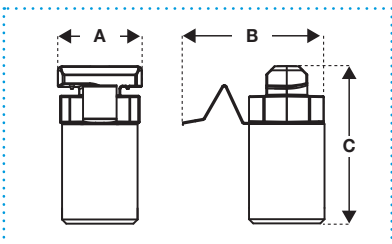


QT Barrel

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

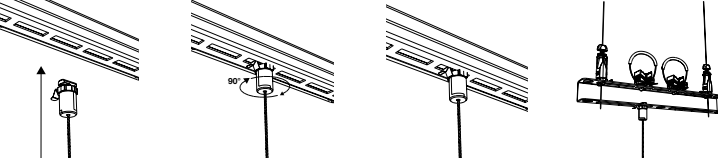
Available Hangers


Page 32 Page 33 Page 34

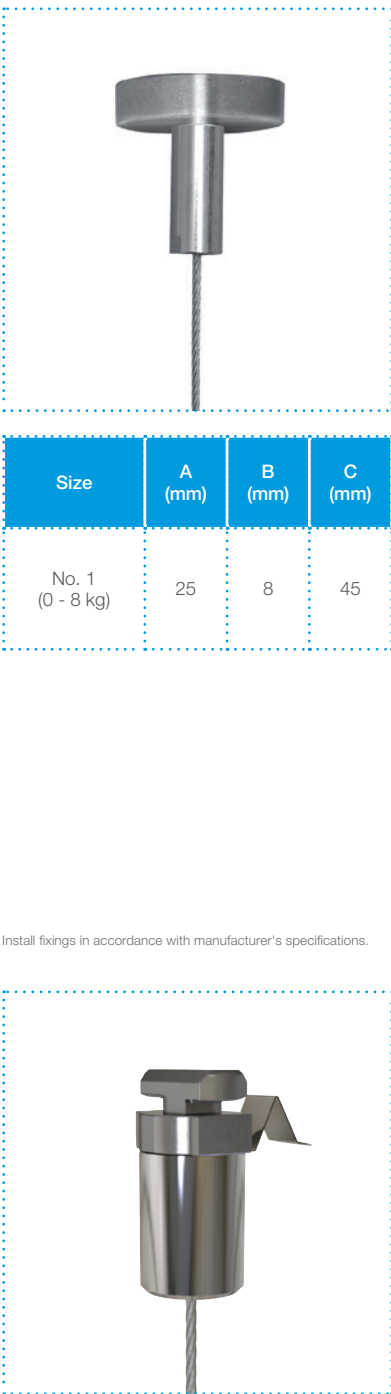


Size	A (mm)	B (mm)	C (mm)
No. 1 (0 - 10 kg)	20	34	37.5
No. 2 (10 - 45 kg)	20	34	37.5
No. 3 (45 - 90 kg)	20	34	37.5

Installation



Install fixings in accordance with manufacturer's specifications.





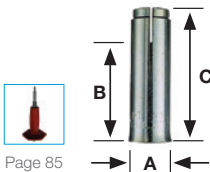
Accessories

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

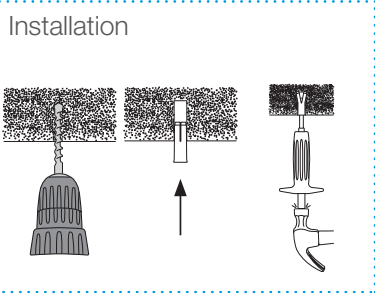
Anchoring Solutions

Drop-In Anchor

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



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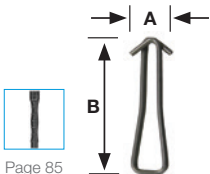
3:1 Safety rating – load rating is dependant on base material

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

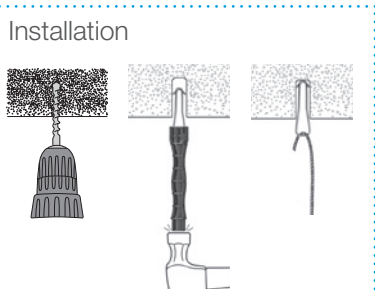
* For further information contact Gripple Technical Services

Concrete Wire Anchor

- Suitable for non-cracked concrete and hard natural stone
- Stainless steel (304/A2)
- CSTB test report



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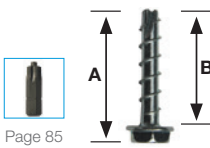
3:1 Safety rating – load rating is dependant on base material

Product code	A (mm)	B (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
WIRE-ANCHOR	15.3	50	45	8	30	30	100

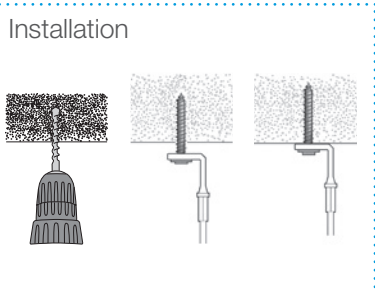
* For further information contact Gripple Technical Services

Concrete Screw

- Suitable for cracked and non cracked concrete
- Ideal for use with the 90° Eyelet End Fixing (page 65)
- Removable



Page 85



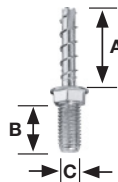
3:1 Safety rating – load rating is dependant on base material

Product code	A (mm)	B (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CS40	47	40	170	6	45	25	100

* For further information contact Gripple Technical Services

Barrel Concrete Screw

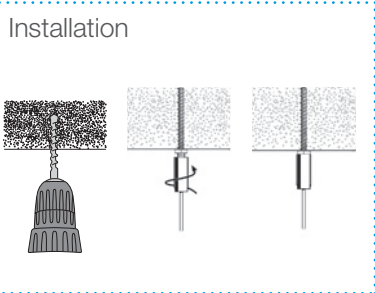
- Suitable for cracked and non-cracked concrete, precast hollow concrete and hard natural stone
- Easy-fit screw with integrated male thread connection
- Ideal for use with the M8 Barrel End Fixing (page 63)
- Removable



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

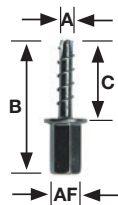
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
BCS35-M8	35	16	M8	170	6	40	25	100

* For further information contact Gripple Technical Services



Stud Cracked Concrete Screw

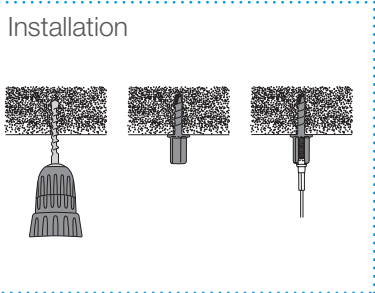
- Suitable for cracked and non cracked concrete
- Dual M8/M10 internal thread
- Ideal for use with the Stud End Fixing (page 60)
- Removable



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

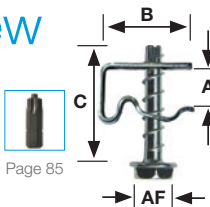
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
SCCS35	8	60	35	170	6	45	25	100

* For further information contact Gripple Technical Services

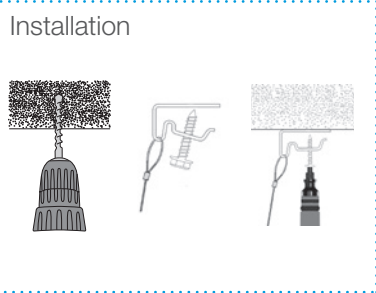


Ceiling Clip Concrete Screw

- 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)



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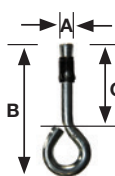
3:1 Safety rating – load rating is dependant on base material

Product code	A (mm)	B (mm)	C (mm)	AF (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CLIP-CS45	15	32	40	13	170	6	40	35	10

* For further information contact Gripple Technical Services

Cracked Concrete Ring Anchor

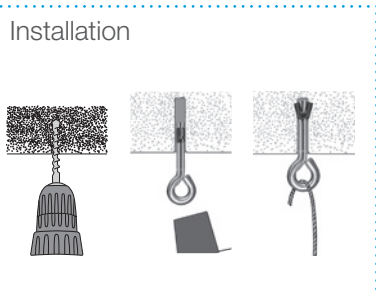
- Suitable for cracked and non cracked concrete
- Self-expanding anchor
- ETA approved



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

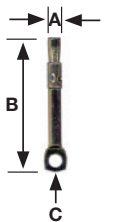
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CCRA6	6	54	31	57	6	35	25	100

* For further information contact Gripple Technical Services



Concrete Ceiling Anchor

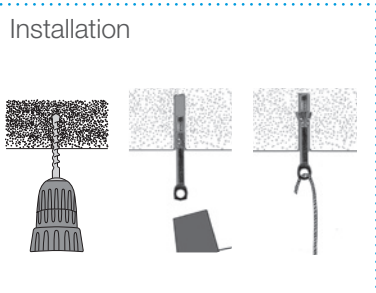
- Suitable for non-cracked concrete and hard natural stone
- Knock into a pre-drilled hole and pull with a claw hammer to set
- Ideal for use with the Standard Hanger (page 32)



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

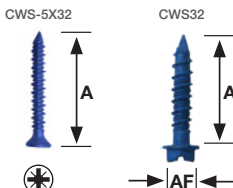
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CWH6	6	60	6.2	45	6	43	25	100

* For further information contact Gripple Technical Services



Concrete Wood Screws

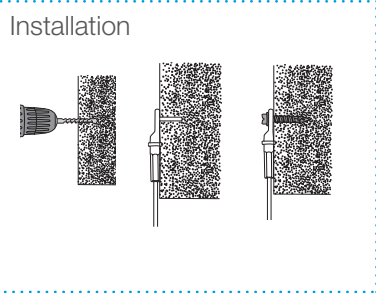
- Easy-fit screw suitable for wood, non-cracked concrete, precast hollow concrete and hard natural stone
- Ideal for use with the range of 90° Eyelet End Fixings (page 65)
- Removable



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

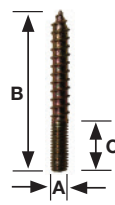
Product code	A (mm)	AF (mm)	Max. SWL (kg)	Hole Ø (mm)	Min. Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
CWS-5X32	32	-	100	4	35	25	100
CWS32	32	8	100	5	35	25	100

* For further information contact Gripple Technical Services



Barrel Wood Screw

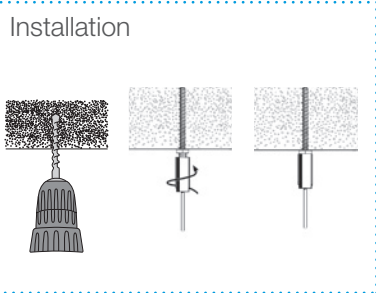
- Easy-fit wood screw with integrated M6 thread connection
- Ideal for use with the M6 Barrel End Fixing (page 63)



SWL – load rating is dependent on wood type

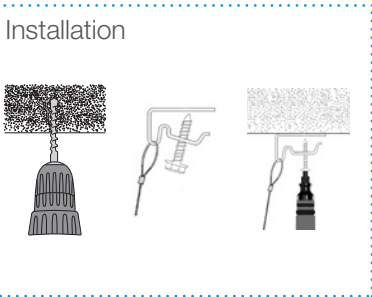
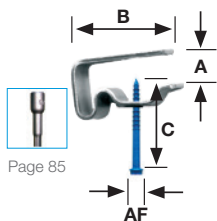
Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Hole Ø (mm)	Hole depth* (mm)	Min. Anchorage depth* (mm)	Quantity
BWS35-M6	M6	50	20	N/A	4.5	40	35	100

* For further information contact Gripple Technical Services



Ceiling Clip Wood Screw

- Designed for screwing into wood
- Allows for pivotal movement
- Ideal for use with the Loop End Fixing (page 60)



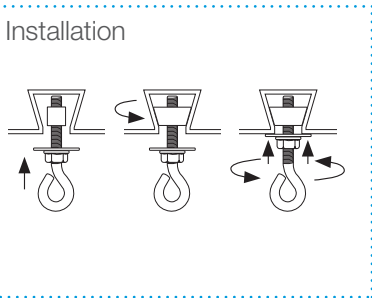
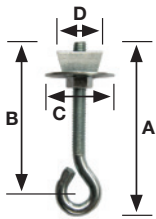
SWL – load rating is dependent on wood type

Product code	A (mm)	B (mm)	C (mm)	AF (mm)	Max. SWL (kg)	Hole Ø (mm)	Hole depth* (mm)	Min. Anchorage depth (mm)	Quantity
CLIP-CWS32	15	32	32	8	N/A	5	40	25	10

* For further information contact Gripple Technical Services

M8 Decking Adaptors

- Ideal for use with the Y-Fit and Y-Fit Accessory (page 44)
- M8 thread with 12 mm diameter eye
- Can be combined with other decking fixings: Alphawedge, MF Wedge, Multiwedge 2 and TR60 (pages 70 - 72)

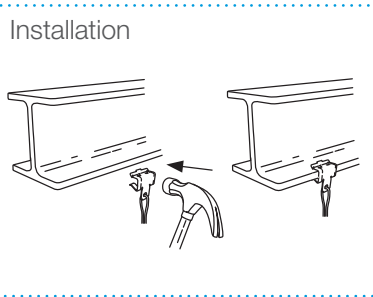
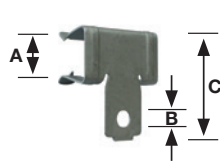


3:1 Safety rating

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

Beam Clip

- Hammer-on installation
- Accommodates a wide variety of flange thicknesses
- Ideal for use with the Snap Hook End Fixing (page 61)

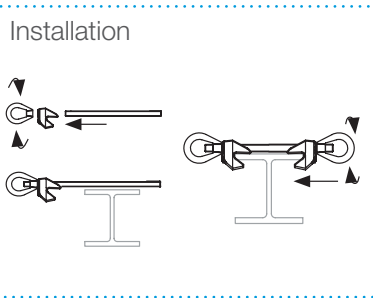
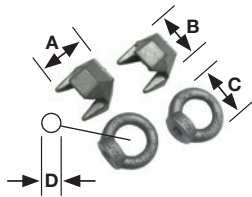


3:1 Safety rating

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

GF Bracket

- Designed for clamping onto an I-Beam section
- Suitable from 6 mm - 19 mm flange thicknesses
- Use with M12 threaded rod (not supplied)
- Ideal for use with Catenary Kits (page 46)



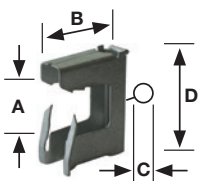
5:1 Safety rating

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

Beams & Purlins

Tiger Clip

- Hammer-on installation
- Accommodates a wide variety of flange thicknesses
- Ideal for use with the Snap Hook End Fixing (page 61)

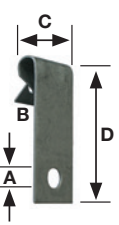


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
TIGERCLIP-28	2-8	30	6.7	30	56	100
TIGERCLIP-816	8-16	32	6.7	38	56	100

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)

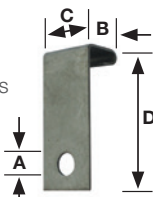


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
GCVF15	6.5	1-5	19	39	33	100
GCVF57	6.5	5-7	19	40	33	100

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)

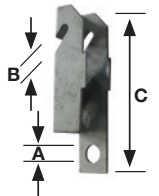


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
GCP45	6.5	15	19	45	9	100

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)

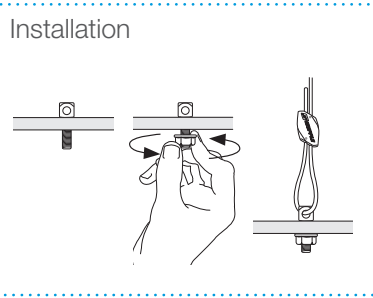
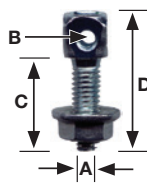


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
GCZP48	6.5	2.5	48	12	100

M6 & M8 Adaptor

- Ideal for fixings to many services such as luminaires
- Can be fixed into concrete using the Drop-In Anchors (page 76)
- Supplied with nut

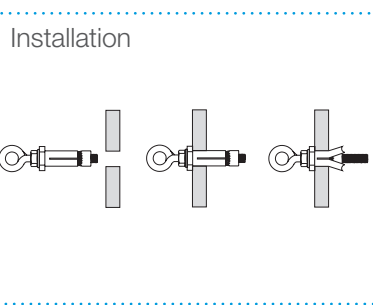
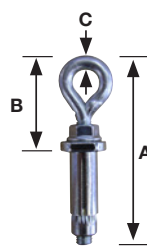


5:1 Safety rating – dependent on material

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

Catenary Steel Anchor

- Designed for blind fixing where only one side of beam is accessible
- Accomodates wide range of steel thickness (3 - 22 mm)
- Fast install into a 14 mm hole with 13 mm and 19 mm spanners
- Ideal for use with Catenary Kits (page 46)



5:1 Safety rating – dependent on material

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
CAT-STEEL-ANCHOR	90	46	7	325	10

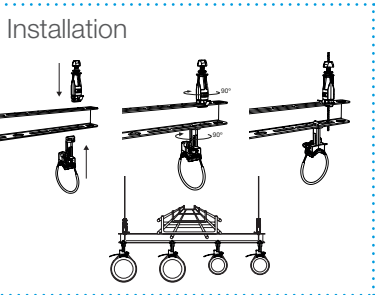
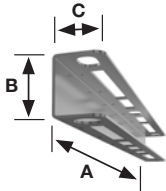
Brackets & Attachments

Universal Bracket

- Can be bolted directly to soffit or wall, or suspended from the soffit using threaded rod or Gripper 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

3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. Bracket Load (kg)	Quantity
PB240	240	43	35	150	10
PB1240	1240	43	35	150	10

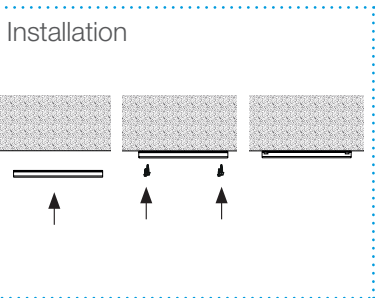
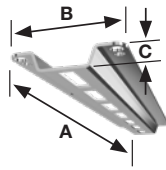


Low Profile Bracket

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

3:1 Safety rating

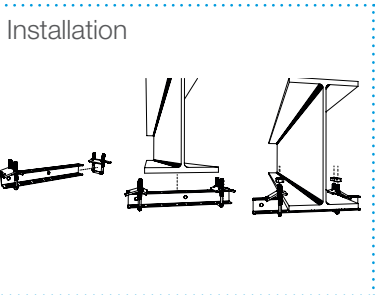
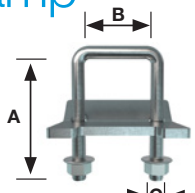
Product code	A (mm)	B (mm)	C (mm)	Max. Bracket Load (kg)	Quantity
LPB180	180	78	14	150	10
LPB350	350	78	14	150	10
LPB650	650	78	14	150	10
LPB950	950	78	14	150	10
LPB1200	1200	78	14	150	10



Universal Bracket Beam Clamp

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

Product code	A (mm)	B (mm)	C (Ø)	Quantity
PB-BEAM-CLAMP	83	45	M10	10

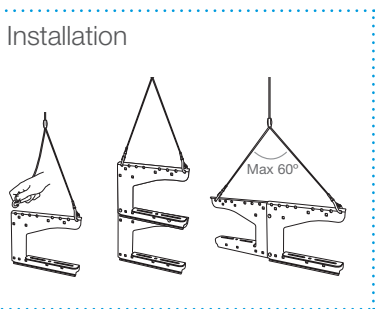
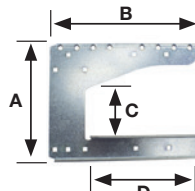


G-Bracket

- 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)

3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
G-BRACKET-100	200	188	110	125	30	10
G-BRACKET-200	200	263	110	200	60	10
G-BRACKET-300	202	389	110	325	60	10
G-BRACKET-400	202	489	100	425	60	10

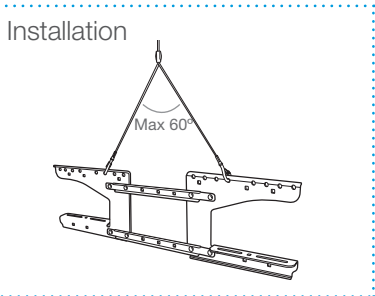
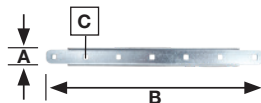


G-Spacer

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

5:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Quantity
G-SPACER	26	325	7x7	10

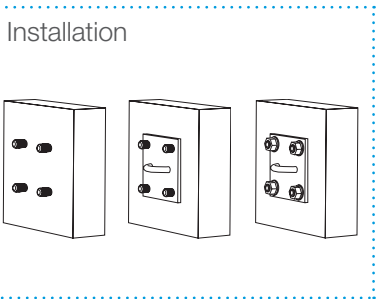
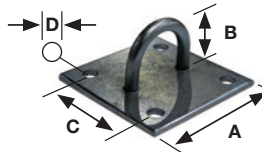


Catenary Wall Bracket

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

3:1 Safety rating

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

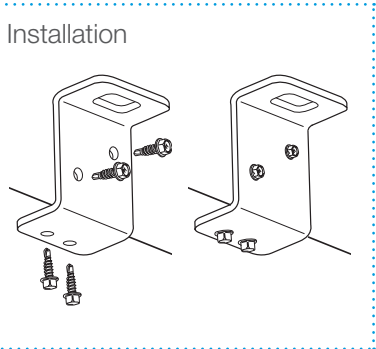
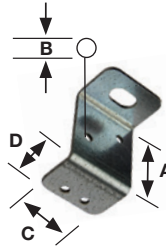


Trapeze Bracket

- Easily attached to rectangular ducting
- Replaces the need for threaded rod or channel support
- Rigid 2 mm steel thickness with galvanised finish
- Conforms to DW144 best practice
- Use with UniGrip No. 2 and No. 3 (page 38)

3:1 Safety rating

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

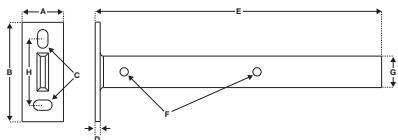
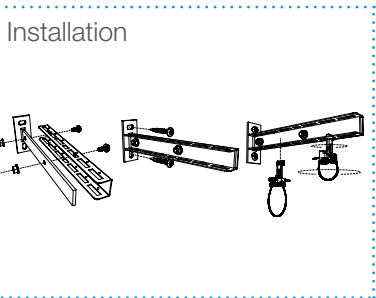


Wall Bracket

- 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 Gripper 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

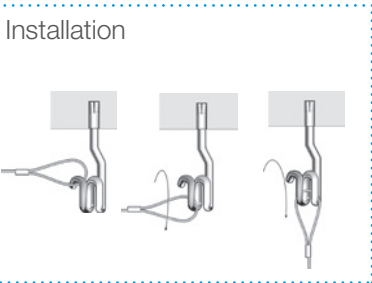
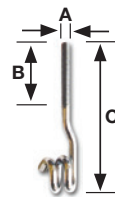
Product code	Length (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Max. SWL (kg)	Quantity
WALL-BRACKET-SMALL	240	50	120	Ø 12.5	6	246	Ø 10	38	80	150	10
WALL-BRACKET-MEDIUM	340	50	120	Ø 12.5	6	346	Ø 10	38	80	150	10
WALL-BRACKET-LARGE	440	50	120	Ø 12.5	6	446	Ø 10	38	80	150	10



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 76)
- Allows Loop to be removed for maintenance

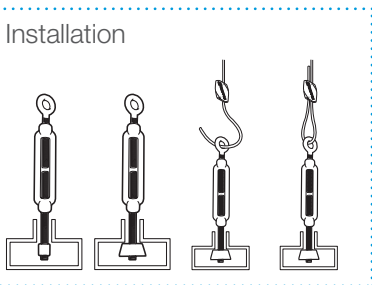
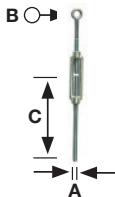


5:1 Safety rating – dependent on base material

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

Turnbuckle

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

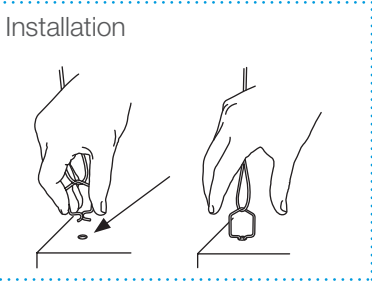
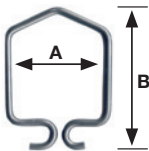


5:1 Safety rating – dependent on material

Product code	A (Ø)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
TBK8-R80	M8	14	80	325	10
TBK8-R200	M8	14	200	325	10
TBK10-R200	M10	14	200	325	10

Spring Clip

- Used for attaching to services such as trunking and lighting
- For 6 mm - 8 mm holes
- Ideal for use with the Standard Hanger (page 32)

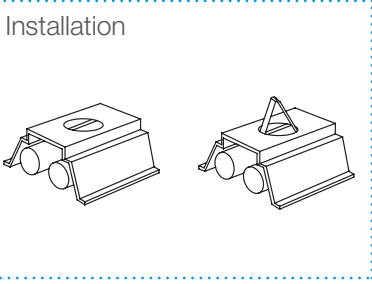
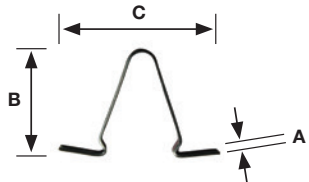


3:1 Safety rating – dependent on material thickness

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

LSK Clip

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

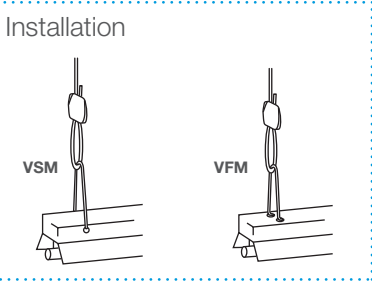
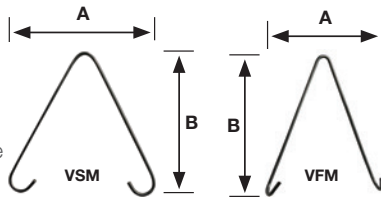


3:1 Safety rating

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

V-Bracket

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

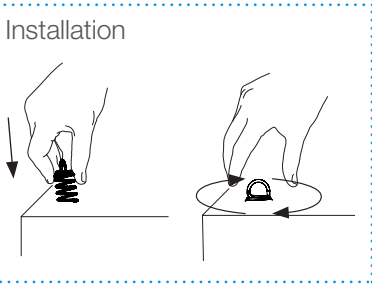


5:1 Safety rating

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

Acoustic Spring Anchor

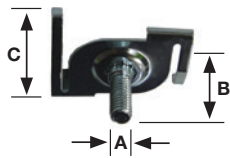
- Ideal for use with the Standard Hanger, Angel Hook or Express
- Available in standard (40 mm) and large size (70 mm) with 2 mm wire diameter
- No tools required for installation
- Sold as part of a kit call 0800 018 4264 for more information
- Maximum load ratings will vary. Contact Gripple Technical Services for more information



A (mm)	B (mm)	C (mm)	Kit Quantity
17	47	28	10
27	97	72	10

T-Bar Twist Clip

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

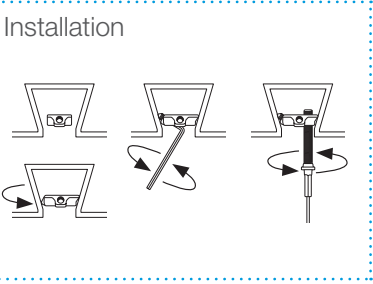
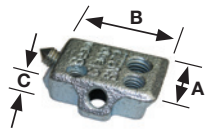


5:1 Safety rating

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

Uni-Wedge

- One universal fitting to fit many decking profiles available in the UK
- Ideal for use with the Stud End fixing (page 60)
- Suitable for: Kingspan Multideck 60 and 80
Richard Lees Ribdeck 80/AL and E60 SMD TR60 and TR80

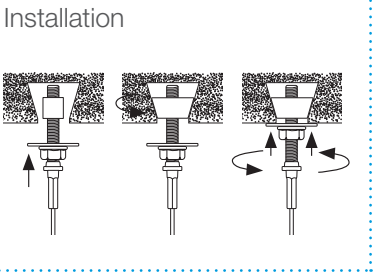
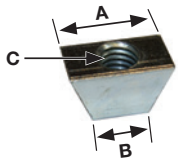


3:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
UNI-WEDGE	33	44	12.5	100	10

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

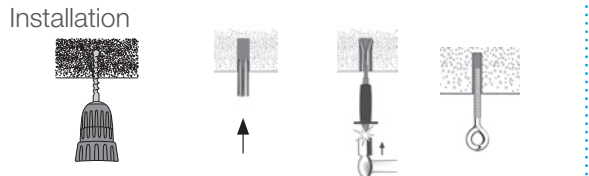
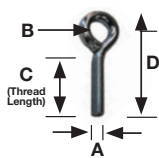


3:1 Safety rating

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

Eyebolt

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



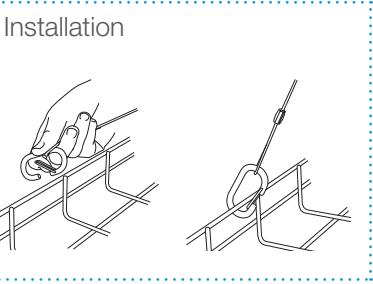
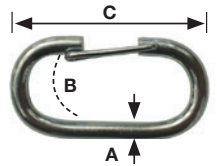
5:1 Safety rating

Product code	A (Ø)	B (mm)	C (mm)	D (mm)	Max. SWL (kg)	Quantity
EYEBOLT-M8-130MM-F/TH	M8	13	130	168	325	10
EYEBOLT-M8-200MM-98MM	M8	13	98	230	325	10
EYEBOLT-M8-0.2M-F/TH	M8	13	190	230	325	10

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

Link Hook

- Easy to attach and detach for loading cable tray
- Suitable for services that require access or maintenance
- Large inner dimension for easy fit
- Ideal for use with the Y-Fit and Y-Fit Accessory (page 44)

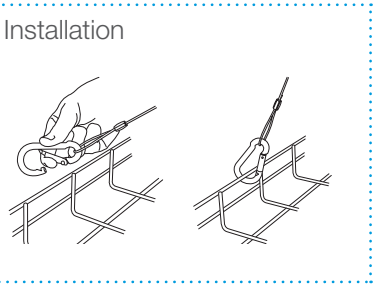
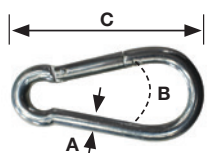


4:1 Safety rating

Product code	A (mm)	B (mm)	C (mm)	Max. SWL (kg)	Quantity
LINK-HOOK	6	15	48	45	10

Karabiner

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



5:1 Safety rating

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

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 clip 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 slide of 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 slide of tray
 - Two sizes available to fit 2 mm and 3 mm thick steel
 - Tool-free, quarter turn installation
 - Quick push fit fixing



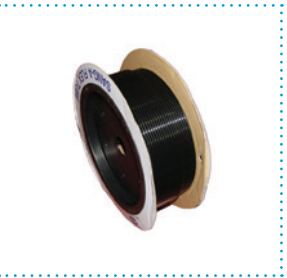
Drop-In Anchor Punch

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



Protective Sleeving

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



Driver Bit

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



Wire Anchor Installation Tool

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



Fixing Tool for Ceiling Clip Wood

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



Wire Cutters

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



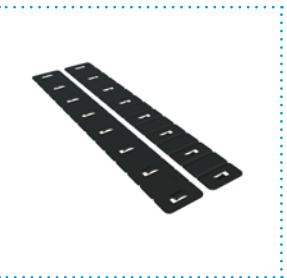
Tensioning Tool

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



Spreader Band

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



Corner Saddle

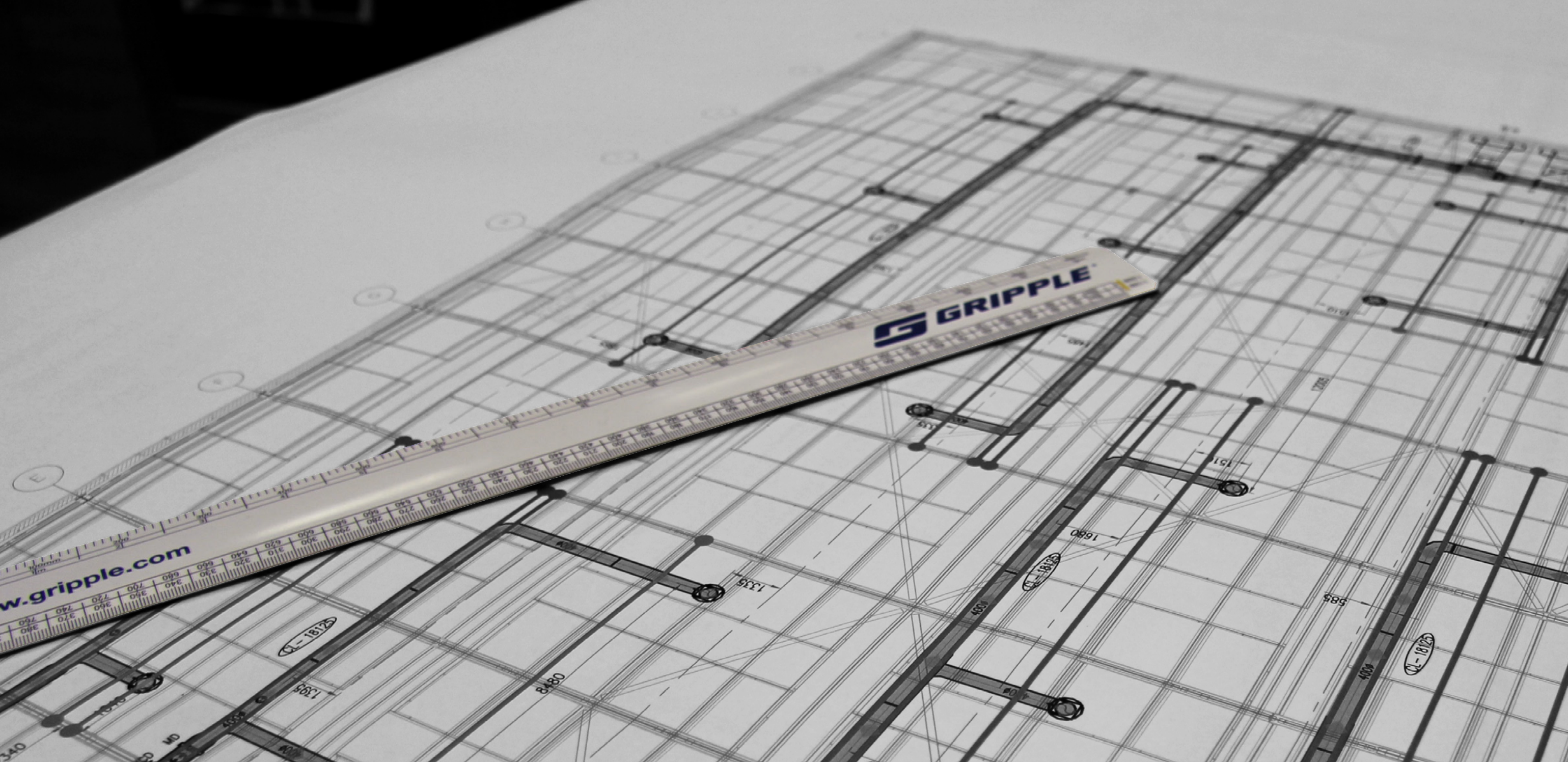
- Ideal for use with phenolic ductwork
- Also available with magnetic fixing for steel
- Use with wire rope up to 3 mm



Twister

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





Technical

Technical Services	page 88
Hanging At Angles	page 92
Wire Rope Construction & Cross Sections	page 92
Nominal Ductwork Weights	page 93
Pipe Support Spacing	page 94
Key Recommendations	page 95

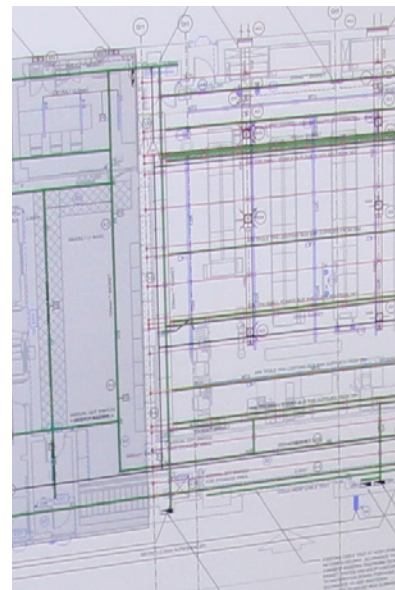
Technical Services



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

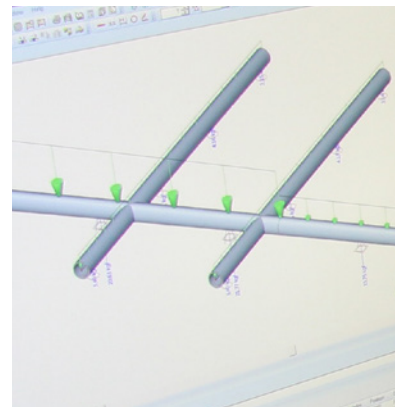
Installation Design

Gripple Technical Services offers a full suspension system design service. Drawings can be submitted in either .dwg or .pdf file formats and are returned fully annotated and costed. Bespoke bracket design, and assistance with minimising suspension elements and cost can also be provided. In order to reduce programme time and installation costs further, Gripple Catenary Systems can be employed to span structural steels and suitable building components. Gripple's installation design service provides the contractor with annotated drawings showing the location and length of each catenary wire to simplify the installation process.



Catenary Tension Analysis

Catenary systems can impose loads on building structures far in excess of the vertical loads applied to each free span. It's for this reason that Gripple Technical Services offers computer modelled catenary tension analyses to determine both final catenary sag and more importantly, anchor point loading. This ensures that all catenary systems installed meet the requirements of the structural engineer.



BIM

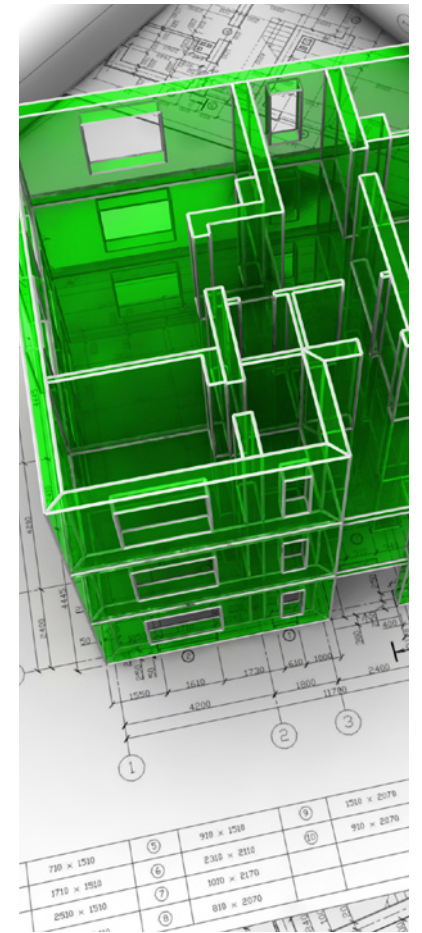
Building Information Modelling (BIM) is now a mandatory requirement for centrally funded government projects in the UK, and this highly collaborative way of working is fast becoming the preferred method for carrying out progressive private sector projects.

Gripple Ltd. is the only supplier of wire rope suspension systems that offers consultants and contractors full BIM support in the form of 3D model families. This allows designers to add both fixed and suspended supports for building services, and carry out clash detection in the virtual project environment.

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

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

Contact Gripple Technical Services for the latest BIM models.



Embodied CO₂ Assessment and BREEAM or LEED Accreditation

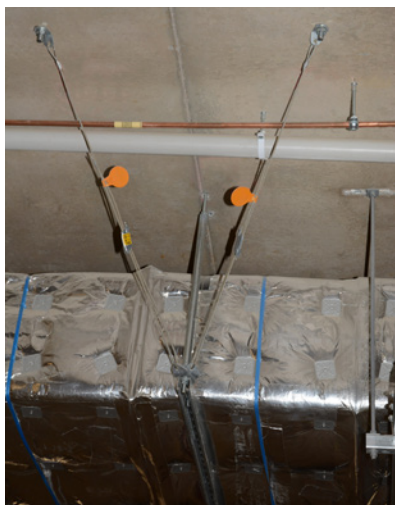
Gripple Ltd. recognises that today's buildings need to be designed to the highest environmental standards. In order to facilitate this, Gripple Technical Services is able to provide calculations, based on drawing submissions or site surveys, to determine the ECO₂ savings when switching to lightweight 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

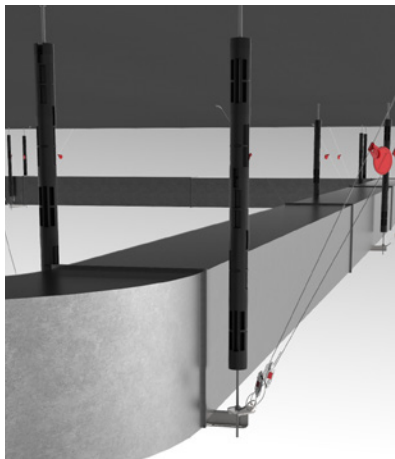
Gripple Ltd. is a leading provider of seismic bracing and blast protection systems.

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



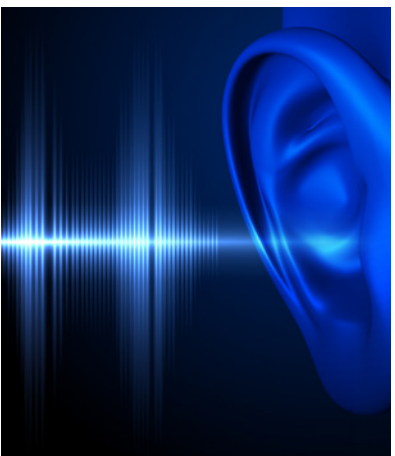
Gripple Technical Services can offer:

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



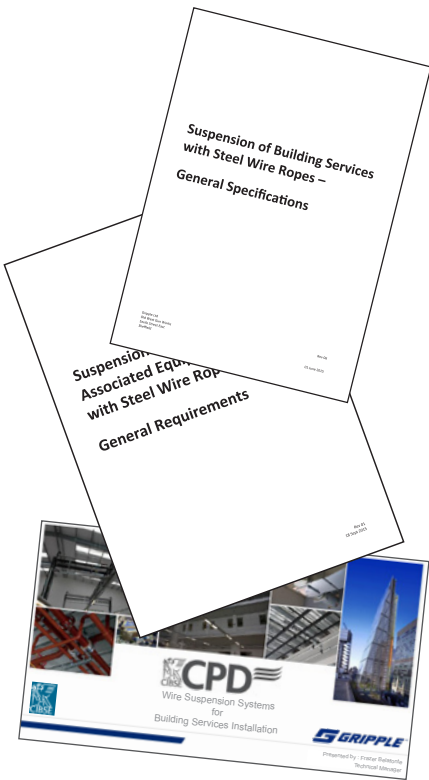
Acoustic & Vibration Performance

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.

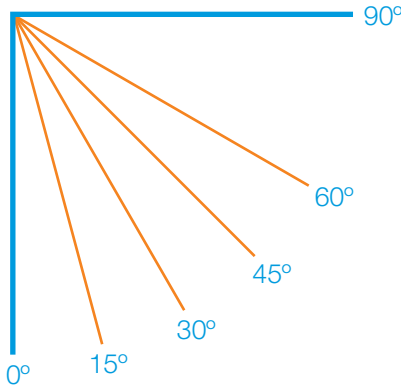


Hanging At Angles

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.

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

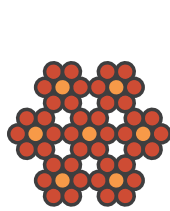
For Gripple hanger hung at an angle in excess of 60° from vertical, contact Gripple Technical Services.



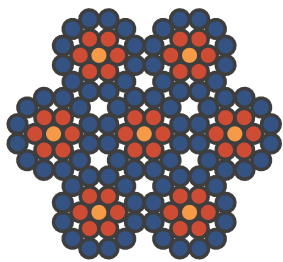
Wire Rope Construction & Cross Sections

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

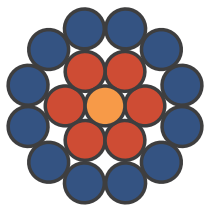
Wire rope size	Diameter (mm)	Construction
No. 1	1.5	7 x 7 or 1 x 19
No. 2	2	7 x 7 or 1 x 19
No. 3	3	7 x 7 or 1 x 19
No. 4	4.75	7 x 19
No. 5	6	7 x 19



7 x 7 (6/1)



7 x 19 (12/6/1)



1 x 19 (12/6/1)

Nominal Ductwork Weights

Galvanised Steel Spirally Wound Circular Ductwork

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

Diameter (mm)	Circumference (m)	Weight (kg/m)	Min. Gripple Hanger size
80	0.25	1.00	No. 1
100	0.32	1.56	No. 1
125	0.40	1.96	No. 1
160	0.50	2.50	No. 1
200	0.63	3.75	No. 2
250	0.80	4.69	No. 2
300	0.94	5.63	No. 2
315	1.00	5.92	No. 2
400	1.26	9.10	No. 2
500	1.57	11.50	No. 2
630	1.98	14.50	No. 2
710	2.23	16.15	No. 3
1000	3.14	28.50	No. 3
1250	3.93	45.30	No. 4

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

Rectangular Ducting

Size (mm)	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
250	7.25	10.75	14.25	19.00	-	-	-	-	-	-	-	-
500	-	14.25	17.75	22.75	34.00	38.75	47.75	52.75	-	-	-	-
750	-	-	21.25	26.25	38.75	43.50	52.75	58.00	68.50	74.00	90.75	97.00
1000	-	-	-	30.00	43.50	48.25	58.00	63.00	74.00	79.50	97.00	103.50
1250	-	-	-	-	48.25	53.00	63.00	68.00	79.50	85.00	103.50	109.75
1500	-	-	-	-	-	57.75	68.00	73.25	85.00	90.50	109.75	116.00
1750	-	-	-	-	-	-	73.25	78.25	90.50	96.00	116.00	122.25
2000	-	-	-	-	-	-	-	83.50	96.00	101.50	122.25	128.50
2250	-	-	-	-	-	-	-	-	101.50	107.00	128.50	134.75
2500	-	-	-	-	-	-	-	-	-	112.50	134.75	141.00
2750	-	-	-	-	-	-	-	-	-	-	141.00	147.50
3000	-	-	-	-	-	-	-	-	-	-	-	153.75

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

Pipe Support Spacing

Recommended minimum support spacing for steel and copper pipes.

Copper Pipes

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

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

*At max. bracket spacing.

Steel Pipes

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

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°.

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



Environment

Do not use in chlorinated or chemically corrosive atmospheres. Standard Hangers are for use in dry and air conditioned environments only. Stainless Steel Hangers should be considered for high to saturated humid environments after validation by a competent person. Not suitable for swimming pools.



Joining

Never join two ends together in-line.



Lifting

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



Impact

If there is potential for impact on the wire rope suspension or suspended services, seek advice from Gripple Ltd. Technical Services prior to installation.



Lubrication

Do not apply oil or any other lubricant to the hanger or any other part of the assembly.



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.

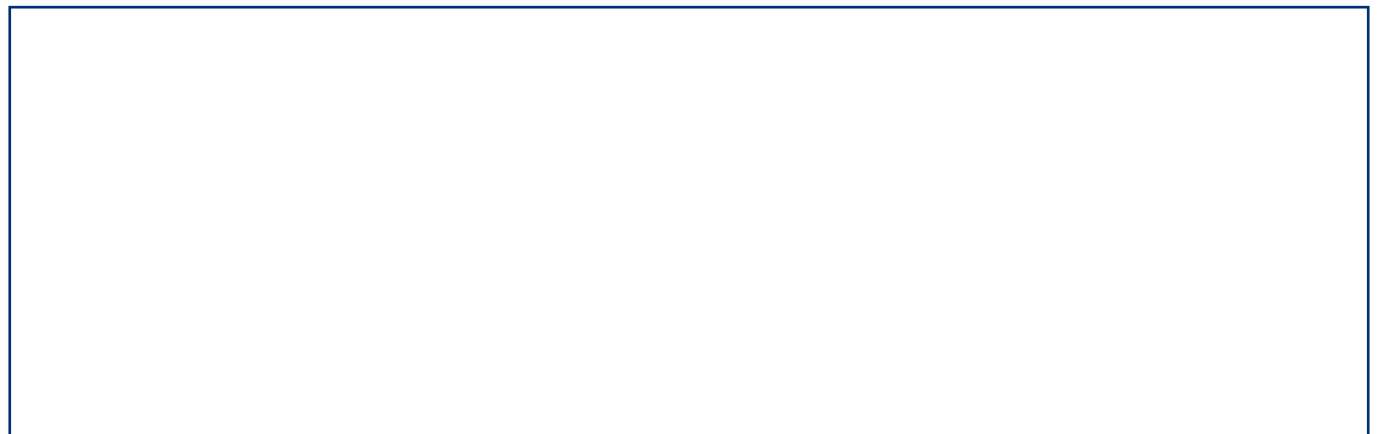
Quality & Approval

Gripple UK is ISO 9001:2008 and ISO 14001 certified. Gripple products meet the highest standards of quality with lowest environmental impact.



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