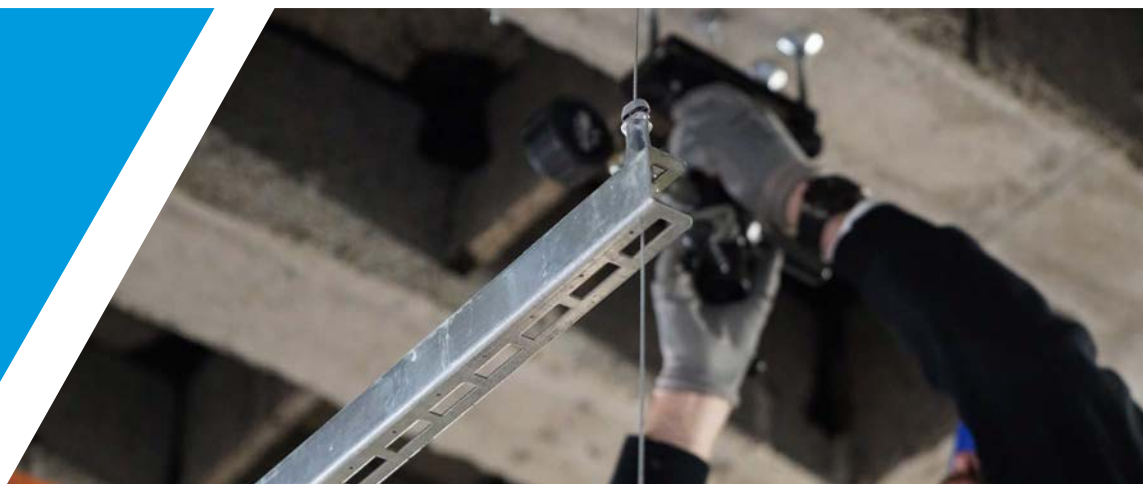
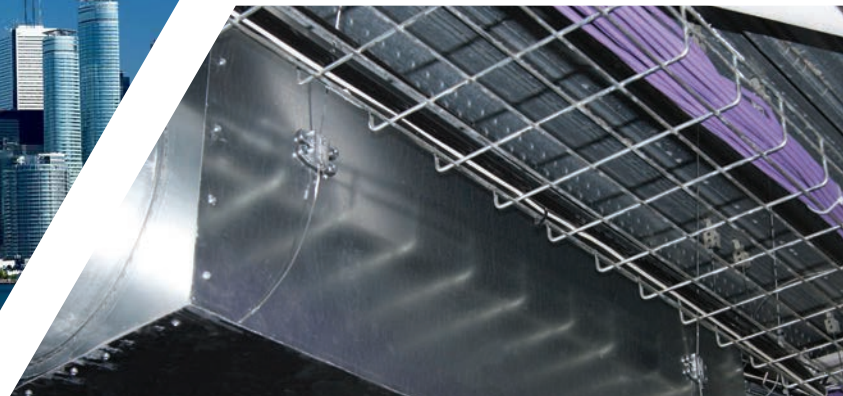




Construction Product Guide

Products for the suspension and bracing of
building services





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

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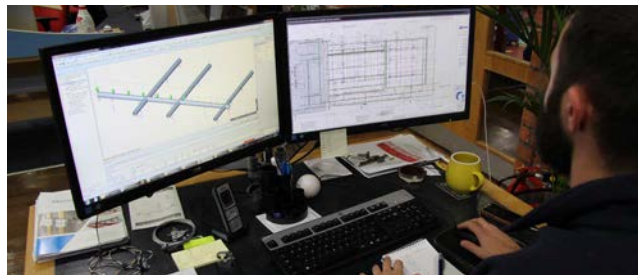
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About Gripple

Gripple is an employee-owned company that prides itself on product innovation and a culture of charity and fun. We are a trusted partner on projects across Canada since 2017, and our Territory Managers here are experts in providing suspension and seismic bracing solutions for HVAC, Mechanical, Electrical, Lighting, Acoustics, and Signage. From our facility in Mississauga in Ontario we are able to provide support across all of Canada.

From contractors to consultants, we offer:

- Installation designs – we'll advise on what you need and where
- CAD drawings
- Bill of Materials (Gripple product & quantities)
- On-site visits to discuss potential suspension and seismic bracing solutions
- Product training – for specific installations or for newest products
- Regular on-site advice until job completion
- Fast product delivery
- Environmental impact studies



What we do

Time Savings

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

Health & Safety

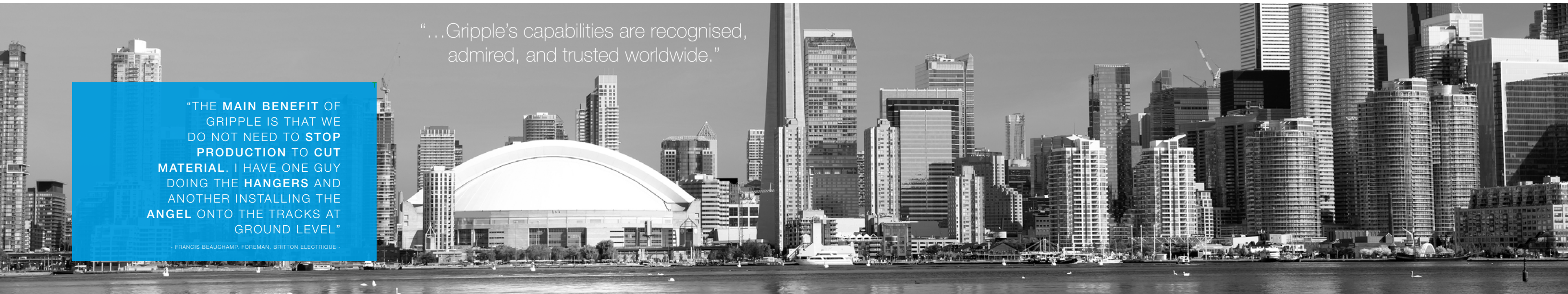
Gripple cable hanger kits are ready-to-use straight from the box, removing the need for potentially hazardous cutting on site. One box of Standard No.2 cable hanger kits weighs just 17 lbs, doing the same job as 330 lbs of threaded rod and strut. Not only is the weight and bulk of materials to carry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

CO₂ Savings

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

Aesthetics

Gripple cable hanger kits are lightweight and virtually invisible from the ground. Comparing 1/8" cable to 3/8" threaded rod, the difference is easy to see. With a trend towards exposed services, Gripple cable kits enhance the aesthetics significantly, especially in retail environments. We also offer a range of black cable kits ideal for cinemas, theaters and other areas where the ceiling is exposed or painted black (See page 22).



"...Gripple's capabilities are recognised, admired, and trusted worldwide."

"THE MAIN BENEFIT OF GRIPPLE IS THAT WE DO NOT NEED TO STOP PRODUCTION TO CUT MATERIAL. I HAVE ONE GUY DOING THE HANGERS AND ANOTHER INSTALLING THE ANGEL ONTO THE TRACKS AT GROUND LEVEL"

FRANCIS BEAUCHAMP, FOREMAN, BRITTON ELECTRIQUE



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Piping

Pipe Bracket
Beam Clamp
Page 73

Pipe
Insulation
Collars
Page 75

UniGrip
Side Exit
Page 35

QT Compact
Clamp & Low
Profile Bracket
Page 49/52

Wall Bracket
Page 74

Fast Trak
Page 40

Spreader
Band
Page 74

QT Clamp
Page 50

Pipe Support
Bracket
Page 51

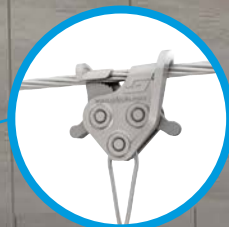
UniGrip QT
Page 35

The Gripple® range of supports and hangers for piping applications has been developed to provide a fast and versatile solution for suspending all types of pipe and mechanical installations.

Gripple products are designed to save time & labour and reduce costs by making the installation quick and easy, allowing a contractor to be more competitive by moving onto their next job faster. Supplied in ready-to-use kits, the products in this range require no on-site cutting and eliminate the need for fabricating pipe bracket assemblies, offering enormous health and safety benefits for your project.

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

HVAC



C-Clip
Page 46



Catenary Kit
Page 46



Standard Hanger
Page 29



Butterfly Trapeze
Page 38



Fast Trak
Page 40



Express
Page 28



Duct Trapeze
Page 37

UniGrip Calibra
Page 35



UniGrip Y-Fit
Page 35



UniGrip
Page 34

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

The Gripple® range of hangers for 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 designed to save you time and labour costs, thus improving the efficiency of your installation. Unlike traditional suspension methods, Gripple kits do not require cutting or filing. Gripple suspension solutions offer aesthetic design without compromising on strength, and are supplied in ready-to-use kits with a choice of cable length and end fixing.

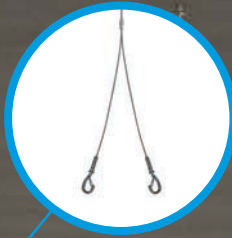
Electrical



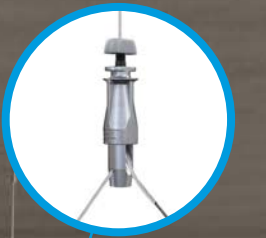
J-Hook
Page 80



Conduit
Clamp
Page 80



Y-Fit & Y-Fit
Accessory
Page 44



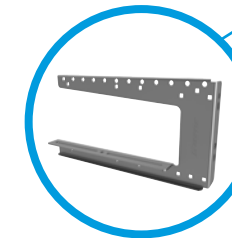
UniGrip
Y-Fit
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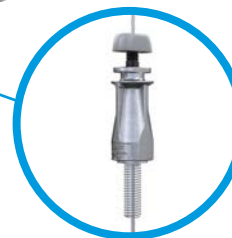
Fast Trak
Side Loading
Page 42



Fast Trak
Page 40



G-Bracket
Page 75



UniGrip
Page 34

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

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

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

Lighting

Catenary Kit

Page 48

C-Clip

Page 48

Express

Page 30

Angel

Page 32

Express

Page 30

The Gripple® range of suspension solutions for lighting have been designed to save you time, money, and labour by improving the efficiency of the installation process. Unlike traditional suspension methods, Gripple kits eliminate on-site cutting or filing, resulting in much better health and safety benefits for your team.

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

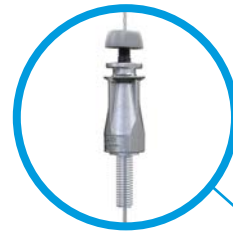


Angel has a wide range of feet options available to suit your lighting application. See page 31 for details

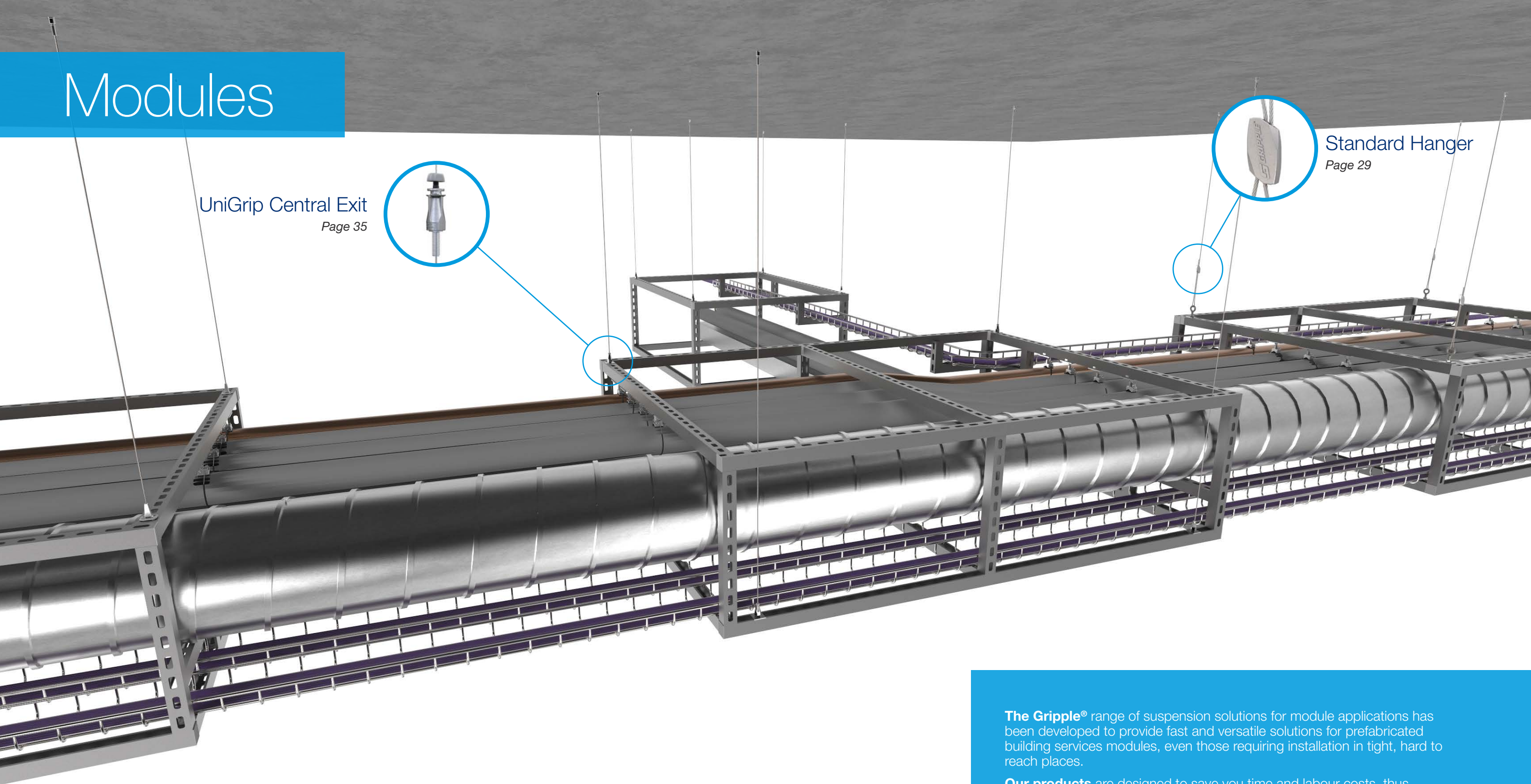
Products shown only for internal use. Images shown for illustrative purposes only. Please refer to product installation instructions for full information.

Modules

UniGrip Central Exit
Page 35



Standard Hanger
Page 29



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

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

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

Signage

Angel Hook

Page 31

Angel Signage

Page 31

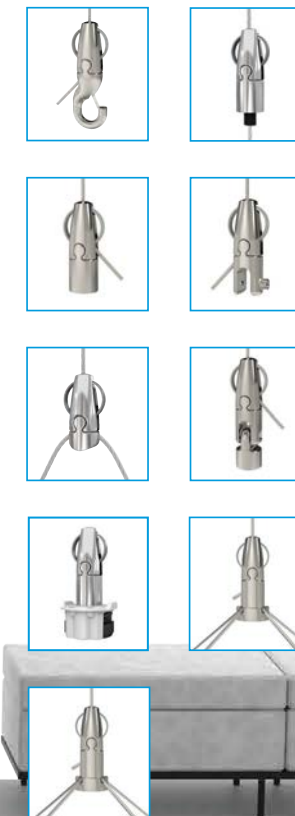
Express

Page 28

Express

Page 30

Angel has a wide range of feet options available to suit your signage application. See page 33 for details.



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

The variety of kits allows for complete flexibility and adjustability, without the use of additional tools. The product design provides a sleek, professional finish, without compromising on strength.

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

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

Acoustics

Angel Mini
Helix
Page 31

Angel 4 Point
Page 31

Catenary Kit &
C-Clip
Page 46

Express
Page 28

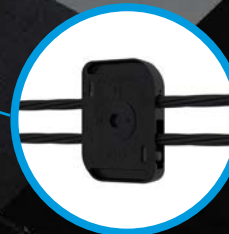
Angel Helix
Page 31

The Gripple® range of hangers for acoustic applications have been designed to save you time, money, and labour by improving the efficiency of the installation process. Unlike traditional hanging methods, Gripple kits require no on-site cutting or filing, and offer enormous time-saving benefits for your project.

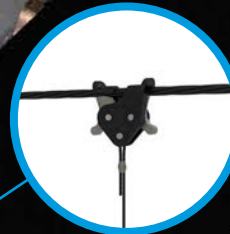
Gripple products can fit directly into acoustic baffles, panels, and suspended ceilings, offering a sleek, professional and discreet finish without compromising on strength. All products are supplied in ready-to-use kits with your choice of end fixing and cable length.

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

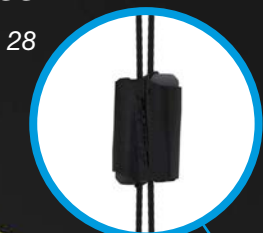
Black Line



Catenary Kit
Page 46



C-Clip
Page 46



Express
Page 28

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

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

The new Black Line range of products aims to build on this success and will be ideal for use in a wide variety of environments where aesthetics and dark ceilings are prevalent, including retail spaces, theaters, exhibition venues, and concert halls.

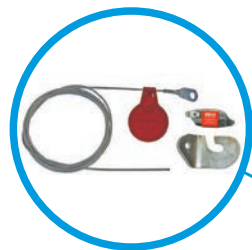
Each ready-to-use kit is supplied with a black cable, black fastener, and your choice of black end fixing.

For further information please call +1 905 458 8700 or email CAinfo@gripple.com

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

Seismic Bracing

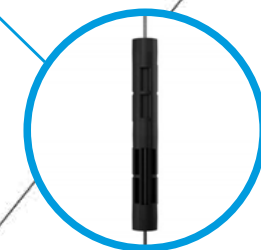
GS Kit
Page 56



The Gripple range of seismic cable bracing systems are specifically designed & engineered to brace and secure suspended non-structural components.

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 on-site fabrication/assembly, offering enormous health and safety benefits for your project.

Rod Stiffener
Page 56





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Low Profile Pipe Bracket	page	52
Spider	page	54
Seismic Bracing	page	56

Express

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

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

Strong – industry approved, SMACNA verified



✓ BLACK LINE

Available in sizes No.1 - No.2



Available Sizes and Load Ratings



No. 1

33 lbs SWL
(5:1)

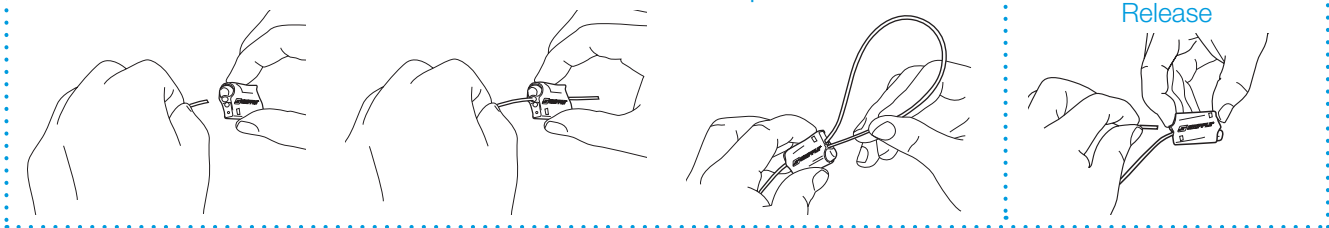


No. 2

100 lbs SWL
(5:1)

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

Installation Steps



Release

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

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Product codes
Page 33

Standard Hanger

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

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, SMACNA verified

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



✓ BLACK LINE

Available in sizes No.3 - No.5



Available Sizes and Load Ratings



No. 3

200 lbs SWL
(5:1)



No. 4

495 lbs SWL
(5:1)

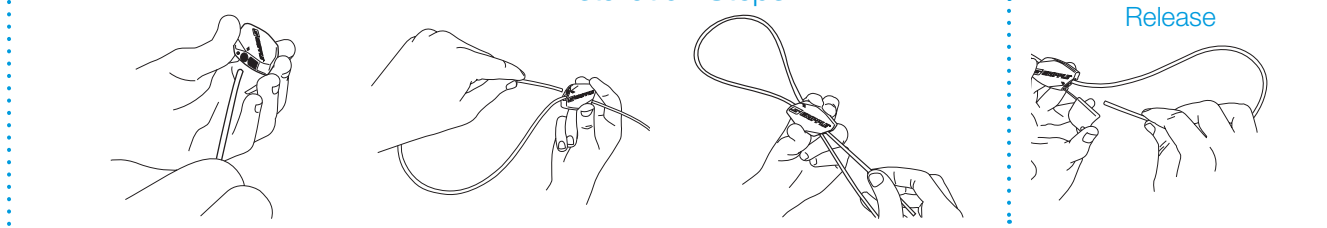


No. 5

715 lbs SWL
(5:1)

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

Installation Steps



Release

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

End Fixings
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Angel

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


- Aesthetic** – the design complements modern building design
- Discrete** – supplied with 1/16" wire for a unobtrusive suspension
- Quick** – ergonomic button allows for easy, rapid adjustment
- Strong** – 33 lbs 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 with a range of feet options



..... Available Sizes and Load Ratings

	No. 1 33 lbs SWL (5:1)
---	-------------------------------------

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



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

- End Fixings
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- Accessories
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- Product codes
Page 33

Angel Feet Options

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

Y-FIT

- Dual fixing points for balance
- Ideal for suspending light fixtures
- 6", 12" or 18" leg lengths as standard
- Various end fixing options for leg attachment to service



ADJUSTABLE Y-FIT

- Adjustable legs for balance
- Simple one handed operation for easy adjustment
- Various end fixing options for leg attachment to service



HOOK

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



SIGNAGE

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



SWIVEL

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



SIDE EXIT FEMALE

- Female threaded foot, ideal for direct attachment to light fittings, frames and acoustic panels
- Available 1/4" thread
- Maximum insertion depth 1/4"
- Side cable exit



SIDE EXIT MALE

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



KNOCKOUT

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



4 POINT

- Ideal for light panels with multi fixing points
- Perfect for even balance of square modules
- Side wire exit
- Four Point disc diameter 0.63"



HELIX / MINI HELIX

- Designed for the fast installation and easy adjustment of acoustic panels
- Helix – ideal for fibreglass and dense foam panels
- Mini Helix – ideal for polyester fibre panels



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

UniGrip

Designed for fast suspension of cable containment, conduit, piping, ductwork, HVAC systems and modules.

- 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 550 lbs SWL with a 5:1 safety factor



(Available with a range of feet options)

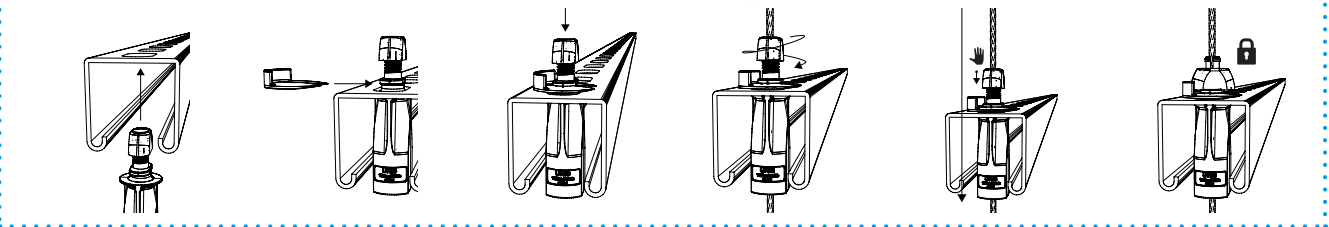


Available Sizes and Load Ratings

	No. 2 120 lbs SWL (5:1)		No. 3 240 lbs SWL (5:1)		No. 4 550 lbs SWL (5:1)
--	--------------------------------------	--	--------------------------------------	--	--------------------------------------

All hangers are supplied as ready-to-use kits with a length of cable 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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UniGrip Feet Options

The range of UniGrip 'feet' ensures the product suits all possible building service applications.

CENTRAL EXIT

with square washer & channel nut / hex nut

- Ideal for:** Piping, rectangular ductwork, air conditioning units, containment, heating and ventilation units, chilled beams, busduct, modules, multi-tier applications.



SIDE EXIT

- Ideal for:** Suspended ceilings, heavy duty lighting, busduct, plenum boxes, single pipe runs.



CABLE BASKET ADAPTER

- Ideal for:** Cable basket and multi-tier installations.



Y-FIT

- Ideal for:** Cable containment, signage, heating and cooling units, heavy duty lighting, radiant panels, chilled beams, balanced pipework, plenum boxes.



QT

- Ideal for:** Piping, electrical containment, ductwork and other mechanical services when used with Gripple Pipe Brackets.



HOOK

- Ideal for:** Heating and ventilation units, heavy duty signage, cable basket/tray, radiant panels, chilled beams.



CALIBRA

- Ideal for:** Radiant panels, chilled beams, heating, ventilation and cooling units.



PHENOLIC ADAPTER

- Ideal for:** Phenolic & PIR fabricated ductwork.



	Standard	Central Exit	Side Exit	Cable Basket Adapter	Y-Fit	QT	Hook	Calibra	Phenolic Adapter
UniGrip No. 2									
UniGrip No. 3									
UniGrip No. 4									

Available Unavailable

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

UniGrip Codes

How to work out your unique product code

1

CHOOSE YOUR PRODUCT



UniGrip
UG2
UG3



UniGrip Central Exit Hex Nut
UG2-3/8-FN
UG3-3/8-FN
UG4-1/2-FN



UniGrip Central Exit Channel Nut
UG2-3/8-CN
UG3-3/8-CN
UG4-1/2-CN



UniGrip Side Exit
UG2-3/8SE-FN
UG3-3/8SE-FN
* Replace the FN code with CN for Channel Nut.



UniGrip Hook
UG2-HK



UniGrip QT
UG2-QT
UG3-QT



UniGrip Calibra
UG2-CAL



UniGrip Y-Fit
UG2-Y
UG3-Y



UniGrip Phenolic Adapter
UG2-PA



UniGrip Central Exit Cable Basket Adapter
UG2-CBA

2


CHOOSE YOUR END FIXING



Loop
LG




Stud
S*G




Toggle
TG
TQG



Hook
HG




Mini Hook
MHG



Eyelet
EYQG



45° Eyelet
EY45*G




90° Eyelet
EY90*G



C-Clip 1/8"
CC-1/8"




C-Clip 1/4"
CC-1/4"



Top Hat Barrel
BB14




Barrel
B*G




End Stop
EG



Cladding Hook
CHG



Ceiling Anchor
CWHQ



Swivel Toggle
STG




Spider Cast-in-Place Insert
SBK Standard
* Add the code SXWF after cable length, for example: HF2-STG-5FT-SXWF



Eyelag 1/4"
ELD / ELS
ELW
* D= 2", S= 2.75"
W= 3"




Shot Fire for Post Tension Concrete
C945




Shot Fire for Post Tension Concrete
NS90




Shot Fire
SF35



Shot Fire for concrete or steel
CCMX



QT Barrel
QTB



Ring Anchor
RAG

*Stud, Barrel and 90° Eyelet available in 1/4" or 3/8" Where * appears, add 'Q' for 1/4", or '3/8' for 3/8"

3

CHOOSE YOUR CABLE LENGTH

5FT

10FT

15FT

20FT

30FT

Enter your unique product code (e.g. UG2-LG-10FT):

-

-

PRODUCT

END FIXING

CABLE LENGTH

Duct Trapeze

Ideal for fast suspension of rectangular ducting or similar services.


- Quick** – adjustment pin allows for rapid adjustment, no Setting Key required
- High performance** – rubber pad prevents air leakage and dampens vibration
- Strong** – industry approved, SMACNA verified
- Compatible** – suitable for all sheet metal gauges according to SMACNA
- Safe** – no tools or 'hot works' permit required for installation, improving health and safety on-site



BLACK LINE



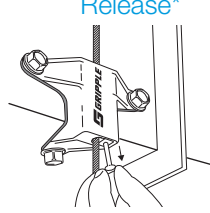
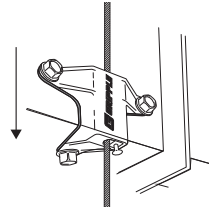
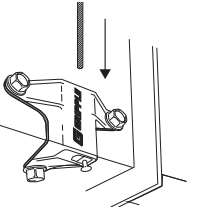
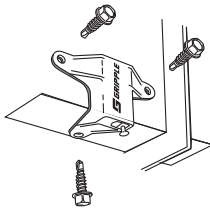
Available Sizes and Load Ratings



No. 2
100 lbs SWL
(5:1)

All hangers are supplied as ready-to-use kits with a length of cable 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.

Fast Trak™

Pre-fabricated rigid support solution offering speed, flexibility, and efficient use of space, for the installation of electrical containment, conduit, ductwork, pipework and other mechanical services.

- 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 and tracks are in place
- Zero waste** – tracks bend neatly under bracket
- Aesthetic** – tracks can be concealed using Fast Trak Bracket Cover for a discrete finish
- Space saver** – can be multi-tiered to accommodate additional services
- Easy measurement** – indicators at each end of the bracket can be used as a measurement guide when marking fixing points in the soffit



Available in nine bracket widths and five drop lengths

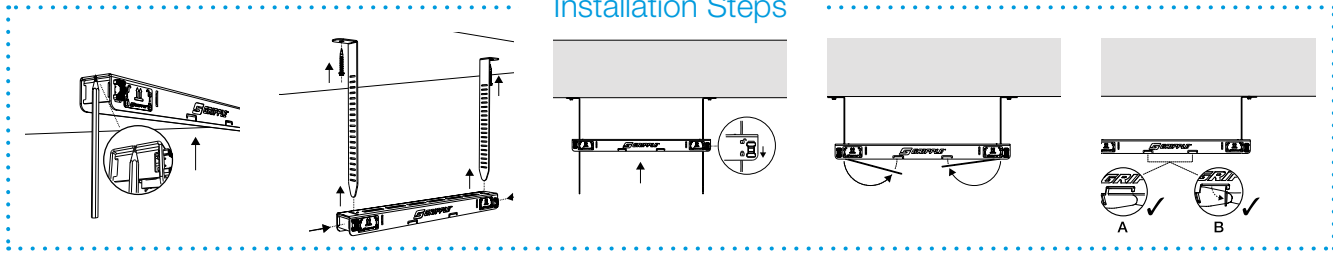


..... Available Bracket Sizes

..... Available Track Sizes

FTB-250 – 400 lbs SWL (3:1)	FTB-600 – 400 lbs SWL (3:1)	FTB-1050 – 200 lbs SWL (3:1)
FTB-350 – 400 lbs SWL (3:1)	FTB-750 – 400 lbs SWL (3:1)	FTB-1200 – 200 lbs SWL (3:1)
FTB-450 – 400 lbs SWL (3:1)	FTB-900 – 400 lbs SWL (3:1)	FTB-1500 – 200 lbs SWL (3:1)

FTT-135 – 200 lbs SWL (5:1)	FTT-785 – 200 lbs SWL (5:1)
FTT-285 – 200 lbs SWL (5:1)	FTT-1035 – 200 lbs SWL (5:1)
FTT-535 – 200 lbs SWL (5:1)	



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

Fast Trak™ - Low Profile

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

- Space saver** – 13/16" bracket depth
- Quick** – up to six times faster to install than traditional suspension systems
- Safe** – pre-fabricated system which removes the need to cut threaded rod or channel on site
- Tool free** – brackets can be moved up and down the tracks to accommodate changes in position during installation
- Easy measurement** – indicators at each end of the bracket can be used as a measurement guide when marking fix points in the ceiling
- Aesthetic** – tracks bend neatly under bracket or can be concealed using Fast Trak Bracket Cover

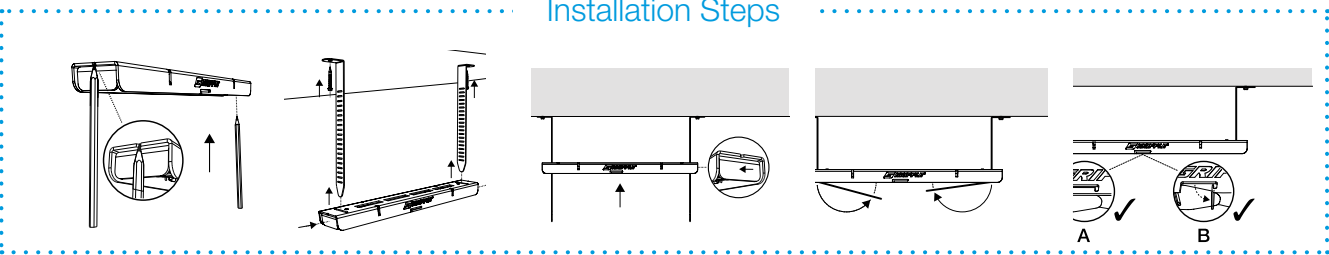


..... Available Bracket Sizes

..... Available Track Sizes

FTBL-250 – 400 lbs SWL (3:1)	FTBL-600 – 180 lbs SWL (3:1)	FTBL-1050 – 70 lbs SWL (3:1)
FTBL-350 – 400 lbs SWL (3:1)	FTBL-750 – 140 lbs SWL (3:1)	FTBL-1200 – 50 lbs SWL (3:1)
FTBL-450 – 400 lbs SWL (3:1)	FTBL-900 – 105 lbs SWL (3:1)	

FTT-135 – 200 lbs SWL (5:1)	FTT-785 – 200 lbs SWL (5:1)
FTT-285 – 200 lbs SWL (5:1)	FTT-1035 – 200 lbs SWL (5:1)
FTT-535 – 200 lbs SWL (5:1)	



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

Y-Fit & Y-Fit Accessory

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

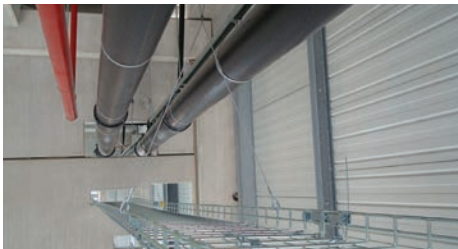
Simple – single point suspension with double hanging points to enable one leg to be detached to allow access to cables, etc.

Versatile – variety of different end fixings including Snap Hook, 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. 1 33 lbs SWL (5:1)		No. 2 100 lbs SWL (5:1)		No. 3 200 lbs SWL (5:1)
--	-------------------------------------	--	--------------------------------------	--	--------------------------------------

All hangers are supplied as ready-to-use kits with a length of cable 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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Y-Fit Kit Codes

How to work out your unique product code

1

CHOOSE YOUR PRODUCT

Y-Fit No.1
YXP1

Y-Fit No.2
YXP2

Y-Fit No.3
YHF3

Y-Fit Accessory
No.1
AY1

Y-Fit Accessory
No.2
AY2

Y-Fit Accessory
No.3
AY3

2

CHOOSE YOUR LEG END FIXING

Toggle
TQG
TG

Hook
HG

3

CHOOSE YOUR CABLE LENGTH*

5FT

10FT

15FT

20FT

30FT

*Not applicable for Y-Fit Accessory

4

CHOOSE YOUR LEG LENGTH*

150 MM

300 MM

460 MM

*150MM = 6", 300MM = 12", 460MM = 18". Custom leg lengths are also available

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

-

-

PRODUCT

LEG END
FIXING

CABLE LENGTH

LEG LENGTH

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

Catenary Kit & C-Clip

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



- Versatile** – can easily be used for a variety of applications including lighting, HVAC, pipework and electrical containment
- Quick** – fewer components compared to traditional methods, up to six times faster to install than traditional suspension systems
- Aesthetic** – the design complements enclosed and open soffit spaces providing a discrete finish
- Safe** – no 'hot works' permit required for installation, improving health and safety on-site
- Easily tensioned** – using the Gripple Catenary Tensioning Tool reducing time spent working at height
- Secure** – locking mechanism in the Lockable Plus prevents dynamic movements



Available in 1/8" and 1/4" systems

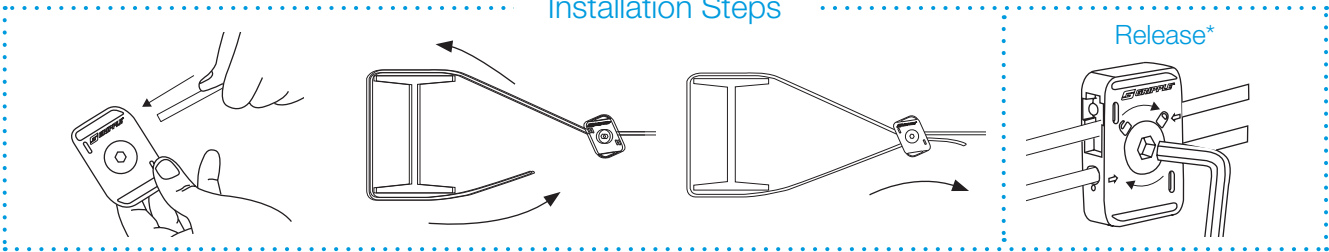


Available Sizes and Load Ratings

	D3 70 lbs SWL (free span) (5:1)		D6 220 lbs (free span) (5:1)
---	--	---	---

All hangers are supplied as ready-to-use kits with a length of cable 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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Catenary Kit Codes

How to work out your unique product code

1

CHOOSE YOUR PRODUCT



1/8" Catenary Kit
CTI-1/8



1/4" Catenary Kit
CTI-1/4

2

CHOOSE YOUR CABLE LENGTH

10FT

15FT

20FT

25FT

50FT

75FT

100FT

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

-

PRODUCT

CABLE LENGTH

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

Catenary Kit Wall Brackets are available as a wall attachment point for the Catenary Kit using the code below.



C-Clip 1/8"
End Fixing Code
CC-1/8

C-Clip 1/4"
End Fixing Code
CC-1/4



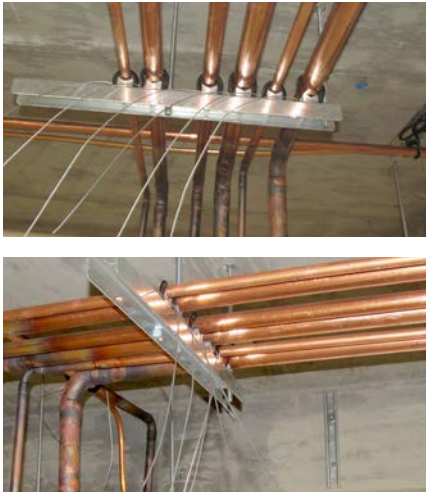
CAT-BRACKET-4IN

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

QT Clamp

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

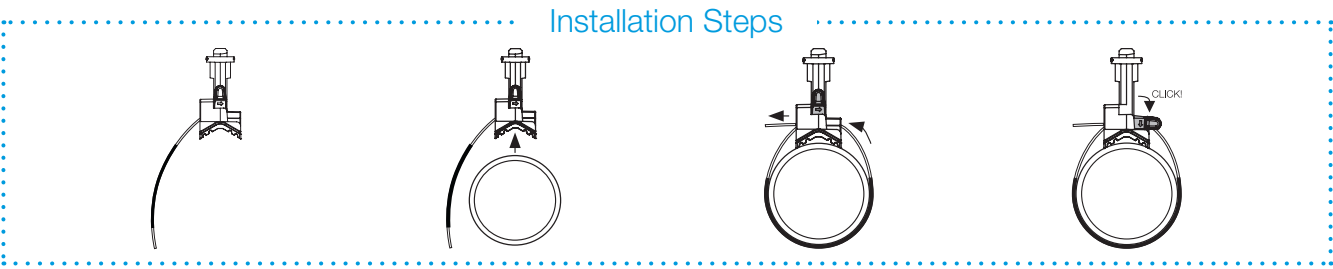
- Quick** – up to ten times faster than traditional methods due to integral mounting pillar and quarter turn attachment to Universal Bracket
- Simple** – no tools required for installation
- Universal** – replaces more than 13 different pipe rings from 1/2" copper to 6" steel
- Robust** – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion
- Versatile** – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)
- Strong** – load rating 170 lbs - 1000 lbs depending on mount position 3:1 safety factor



..... Available Sizes and Load Ratings

BELOW MOUNT	ABOVE MOUNT
170 lbs load rating 3:1 Safety factor	1,000 lbs load rating 1:6:1 Safety factor

Clamps are supplied as ready-to-use kits with Pipe Support Bracket or Low Profile Pipe Brackets (see pages 51 & 52)



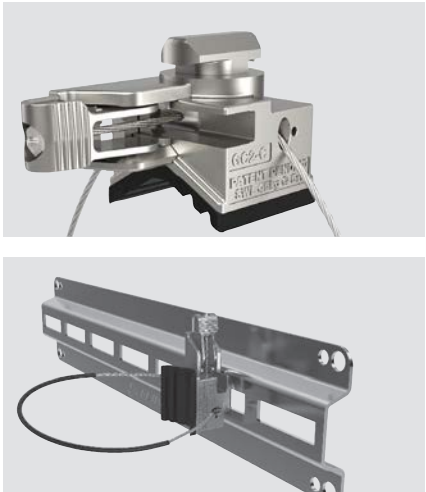
Contact Gripple for full product information, submittal data and technical support.

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QT Compact Clamp

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

- 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 1/2" mm copper to 6" steel
- Robust** – retractable sleeve, pre-fitted to wire rope to prevent galvanic corrosion
- Versatile** – a variety of rubber pads provide insulation against vibration (noise reduction > 23 db)
- Strong** – load rating 170 lbs - 1000 lbs depending on mount position 3:1 safety factor



..... Available Sizes and Load Ratings

BELOW MOUNT	ABOVE MOUNT
170 lbs load rating 3:1 Safety factor	1,000 lbs load rating 1:6:1 Safety factor

Supplied in ready-to-use kits with Low Profile Pipe Bracket (see pages 51 & 52)



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Threaded Clamp

The 3/8" Threaded Clamp is engineered for hanging all types of piping within mechanical and plumbing services.

- Innovative** – replaces 12 different pipe hanger sizes
- Simple** – no tools required for installation
- Universal** – replaces more than 13 different pipe rings from 1/2" copper to 6" steel
- Versatile** – can be used over Calsil or Armafix insulation (also available)
- Strong** – load rating 170 lbs - 1000 lbs depending on mount position 3:1 safety factor



Load Ratings

BELOW MOUNT

170 lbs load rating
3:1 Safety factor

ABOVE MOUNT

1,000 lbs load rating
1:6:1 Safety factor

Installation Steps



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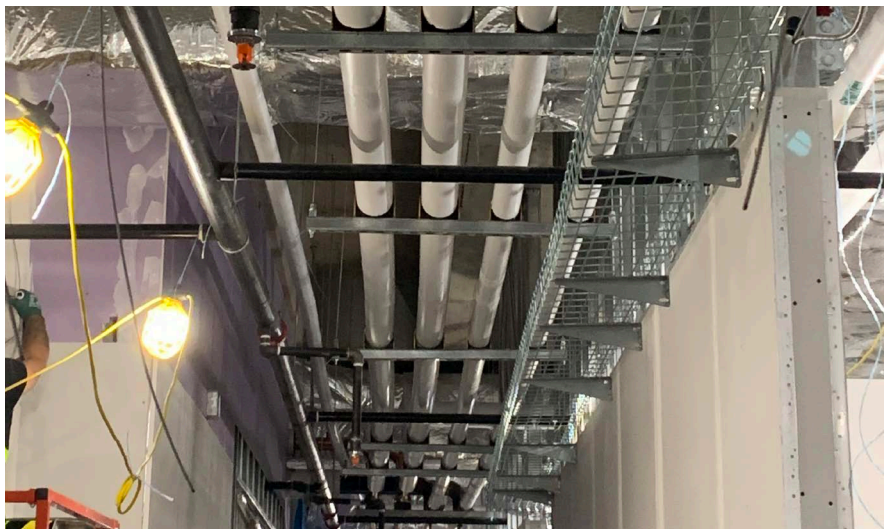
Product codes
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Pipe Support Bracket

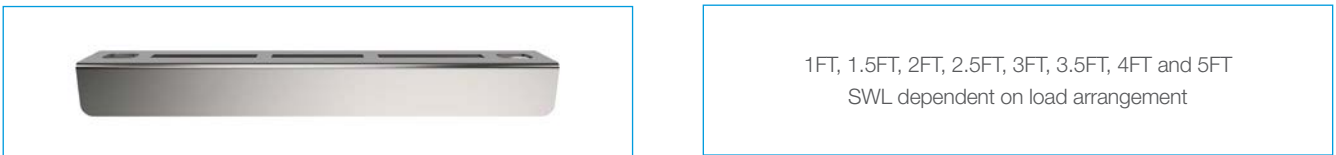
Pipe Support Brackets are supplied with QT Clamps for quick and easy support of piping.



- Installation** - Pipe Brackets are supplied with QT Clamps featuring quarter turn fixing
- Versatile** - can be bolted directly to soffit or wall, or suspended using threaded rod or Gripple UniGrip hangers
- Quick** - eliminates the need for cutting channel on site, allowing more productive use of time
- Health and Safety** - no tools required for installation
- Versatile** - max load depends on bracket length and above or below mount configuration

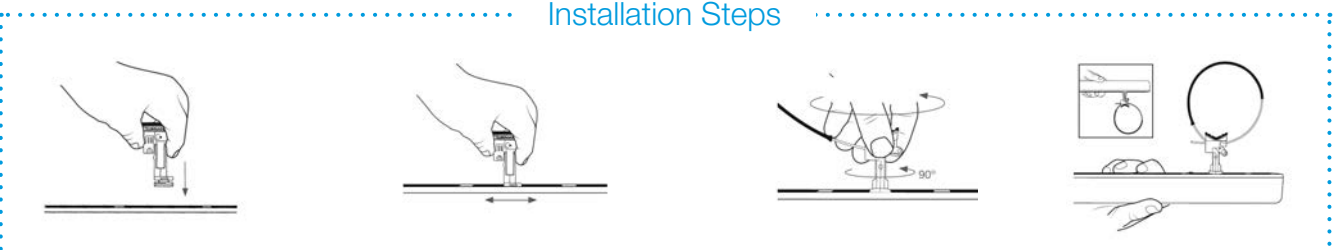


Size Variants



1FT, 1.5FT, 2FT, 2.5FT, 3FT, 3.5FT, 4FT and 5FT
SWL dependent on load arrangement

Installation Steps



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Low Profile Pipe Bracket

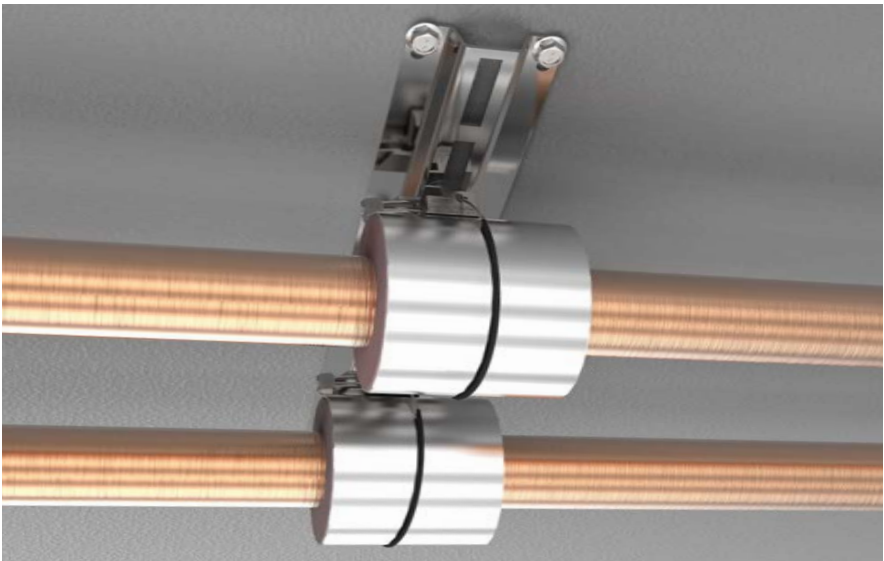
Low Profile Pipe Brackets are supplied with QT Compact Clamps for lower profile support of piping.

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 5/8" depth and can also be used as a shallow bearer for support of electrical services

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

Strong – up to 330 lbs load rating in sizes ranging from 1 ft to 5 ft



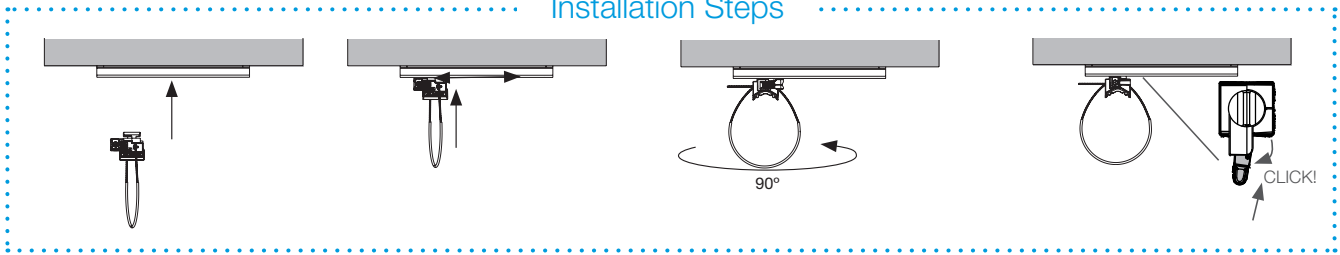
Size Variants



1FT, 2FT, 3FT, 4FT and 5FT
SWL dependent on load arrangement

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

Installation Steps



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Pipe Support Kit Codes

How to work out your unique product code

1

CHOOSE YOUR PIPE BRACKET





Pipe Support Bracket

Low Profile Pipe Bracket

1FT
PB1

1.5FT
PB1.5

2FT
PB2

2.5FT
PB2.5

3FT
PB3

3.5FT
PB3.5

4FT
PB4

5FT
PB5

1FT
LPB1

2FT
LPB2

3FT
LPB3

4FT
LPB4

5FT
LPB5

2

CHOOSE YOUR CLAMP QUANTITY

2

3

4

5


6


7


8


3


CHOOSE YOUR TYPE OF CLAMP














QT Clamp
T

QT Compact Clamp
C

Threaded Clamp
3/8


Standard
S


Large
L


Acoustic
A


4


CHOOSE YOUR PAD OPTION














QT Clamp
T

QT Compact Clamp
C

Threaded Clamp
3/8

Standard
S

Large
L

Acoustic
A

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

-

G

C

2

-

-

2

4

I

N

-

PIPE BRACKET

CLAMP QUANTITY

TYPE OF CLAMP

CABLE LENGTH (IN)

PAD OPTION

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

Spider

Universal, versatile, cast-in-place concrete insert for metal deck construction, allowing for fast and easy suspension of all building services.

- Universal** – one insert accommodates rod sizes from 3/8" to 3/4", as well as No.2 – No.5 swivel toggle cable hanger kits.
- Versatile** – universal design allows decision on rod size or cable size to be made after the slab is poured
- Strong** – up to 3000 lb safe working load
- Secure** – four wire anchors secure into concrete and ultrasonically welded head eliminates ingress during pour
- Fast** – below deck install saves time due to swivel toggle technology on both cable and rod attachments no assembly required, dramatically reducing installation time



Available Sizes and Load Ratings

	Metal Deck 3000 lbs SWL		Wood Deck 3000 lbs SWL		Low Profile 1300 lbs SWL
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Installation Steps



Spider Accessories

Threaded Rod Adapter

- Below deck install saves time due to swivel toggle technology
- Universal design allows decision on rod size to be made after the slab is poured
- Up to 2250 lbs safe working load, with a 4:1 safety factor
- Secures quickly to standard threaded rod, making installation straightforward
- Once adaptor is installed, swivel toggle design ensures it cannot be accidentally removed/displaced



Swivel Toggle

- Below deck install saves time due to swivel toggle technology
- Universal design allows decision on cable size to be made after the slab is poured
- Up to 715 lbs safe working load, with a 5:1 safety factor
- Supplied in ready to use kits with length of cable with pre-attached swivel cable toggle and Grippler fastener, making installation straightforward
- Once installed, swivel cable toggle design ensures it cannot be accidentally removed/displaced



Extension Tube

- Fast – quick, snap fit to the base of Spider (Metal Deck)
- Safe – prevents ingress of fire protection spray
- Versatile – can be attached to Spider at point of install or post pour
- Flexible – suitable for use with all Spider Swivel Cable Toggle sizes and 3/8" and 1/2" Rod Adaptors



Installation Tool

- Fast – improves installation time of Spider (Wood Form) by over 50%
- Safe – protective guard eliminates risk of injury, improving on site H&S
- Robust – hardened, durable jaws ensure longevity of use
- Multipurpose – provides ability to grip, position and secure the Spider



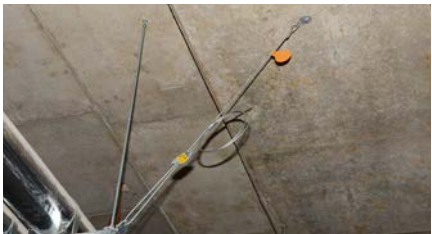
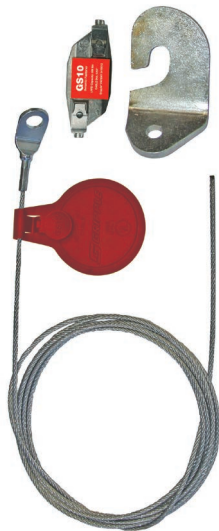
Installation Chuck

- Fast – improves installation time of Spider (Wood Form) by over 50%
- Safe – protective guard eliminates risk of injury, improving on site H&S
- Efficient – hammers in both integral nails in one motion
- Lightweight – compact and hand-held design makes movement around site easy

Seismic Bracing

Designed and engineered to brace and secure suspended non-structural equipment and components within a building or structure to minimize damage from an earthquake or a seismic event.

- Quick** – up to 10 times faster to install than traditional methods
- Easy** – no field swaging of wires & no tools required
- Helpful** – colour coding allows easy field verification
- Versatile** – suitable for new or retrofit installations
- Flexible** – can be used in a variety of bracing configurations
- Approved** – SMACNA verified and UL tested for NEBS GR 63 Core



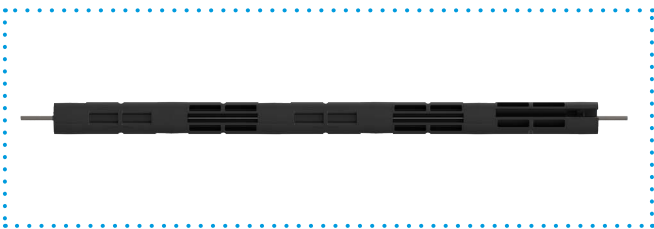
Available Sizes and Load Ratings

	GS10 350 lbs (Design Strength LRFD)		GS12 1050 lbs (Design Strength LRFD)		GS19 2100 lbs (Design Strength LRFD)		GS25 3850 lbs (Design Strength LRFD)
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Accessories

Rod Stiffener

- An innovative and quick alternative to stiffening threaded rod without using struts, pipes, or clamps
- No tools required - click and connect mechanism
- Versatile design - can be installed on 3/8" and 1/2" threaded rod on drops up to 5ft/1.5m



Seismic Bracing Kit Codes

How to work out your unique product code

1

CHOOSE YOUR KIT SIZE

GS10

GS12

GS19

GS25

GS10

GS12

GS19

GS25

2

CHOOSE YOUR CABLE LENGTH (FT)

10FT

15FT

20FT

3

CHOOSE YOUR END FITTING*

E - 45° Eyelet

S - Standard Single Bracket

DS - Standard Double Bracket*

4

CHOOSE YOUR END FITTING SIZE

4 = 3/8"

5 = 1/2"

6 = 5/8"

8 = 3/4"

10 = 1"

5

CHOOSE YOUR STYLE OF LOOSE BRACKET

S = Standard Bracket

R = Retrofit Bracket

DS = Double Standard Bracket

DR = Double Retrofit Bracket

6

CHOOSE YOUR BRACKET SIZE

4 = 3/8"

5 = 1/2"

6 = 5/8"

8 = 3/4"

10 = 1"

Enter your unique product code (e.g. GS12-10E4-S4):

G

S

-

CABLE SIZE

CABLE LENGTH

END FITTING

END FITTING SIZE

STYLE OF LOOSE BRACKET

BRACKET SIZE

* Not all end fixings are available with all kit sizes. Please contact Gripple Technical Services for more details.



End Fixings


Loop & Stud	page	60
Toggle & Hook	page	61
Mini Hook & End Stop	page	62
Barrel & Top Hat Barrel	page	63
Eyelet & 45° Eyelet	page	64
90° Eyelet & Cladding Hook	page	65
Ring Anchor & Ceiling Anchor	page	66
C-Clip & Twist Clip (White)	page	67
Shot Fire & Eyselag	page	68
QT Barrel & Swivel Toggle	page	69

END FIXINGS

Loop

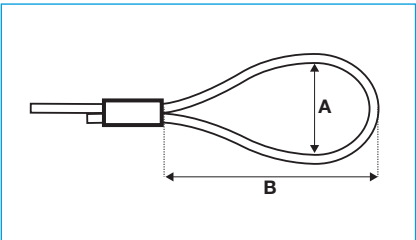
- End Fixing that installs by a non-invasive, simple, choke knot technique
- Can be choked around a beam, bar joist, strut, or roof trusses
- Available for use with No. 1-5 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

For use with these Hangers

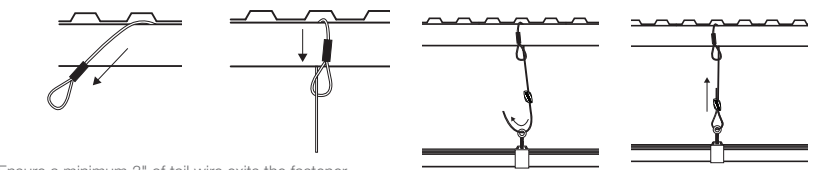


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Installation



Ensure a minimum 3" of tail wire exits the fastener.

Install fixings in accordance with manufacturer's specifications.




Size	A (in) Approx.	B (in) Approx.
No. 1	1 3/16"	2 3/8"
No. 2	1 3/16"	2 3/8"
No. 3	1 3/16"	2 3/8"
No. 4	1 3/4"	3 1/4"
No. 5	1 3/4"	3 1/2"

Stud

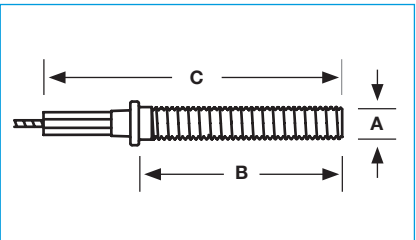
- End fixing that installs into an anchor or internally threaded concrete insert
- Available in 1/4" and 3/8", for use with No. 1-4 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

For use with these Hangers

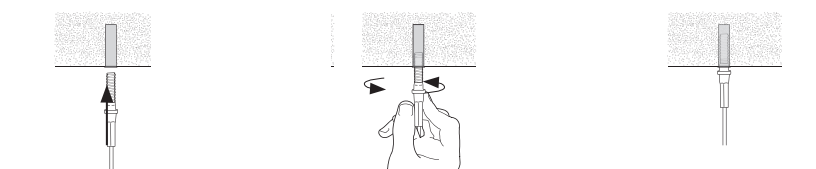


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Installation



Install fixings in accordance with manufacturer's specifications.




Size	A (in)	B (in)	C (in)
No. 1	1/4"	1"	2"
No. 2	1/4"	1"	2"
	3/8"	1 7/8"	2 3/4"
No. 3	1/4"	1"	2"
	3/8"	1 7/8"	2 3/4"
No. 4	3/8"	1 7/8"	3 5/16"

Toggle

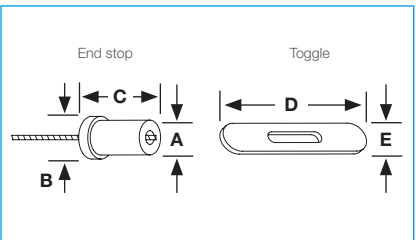
- Inserts into specific hole diameters of light fixtures, metal decking, and other pre-drilled structures or services
- Available to fit 1/4", 5/16", and 13/32" hole sizes, for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available in Stainless Steel

For use with these Hangers

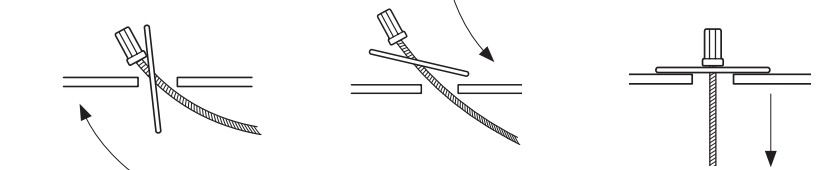


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Installation



Install fixings in accordance with manufacturer's specifications.




Size	A Ø (in)	B Ø (in)	C (in)	D (in)	E (in)
No. 1	5/32"	7/32"	5/16"	1 9/16"	7/32"
No. 2	5/32"	7/32"	15/32"	1 9/16"	7/32"
	1/4"	5/16"	15/32"	1 9/16"	5/16"
No. 3	1/4"	3/8"	11/16"	2"	3/8"

Hook

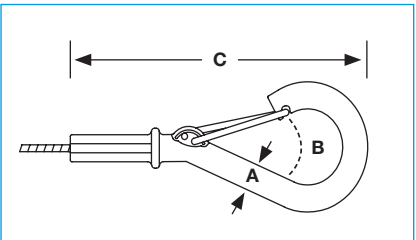
- Quick and easy attachment to cable basket, tray, beam & purlin clips, and light fixtures
- Available for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard
- Also available as stainless steel

For use with these Hangers

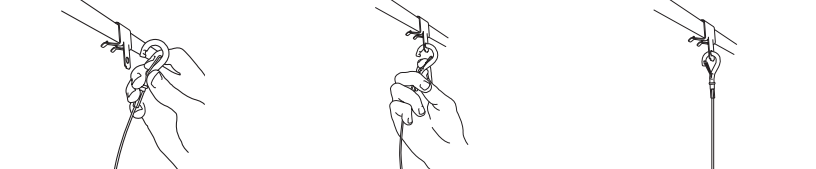


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Installation



Install fixings in accordance with manufacturer's specifications.





Size	A (in)	B (in)	C (in)
No. 1	1/4"	9/32"	3"
No. 2	1/4"	9/32"	3"
No. 3	1/4"	9/32"	3"

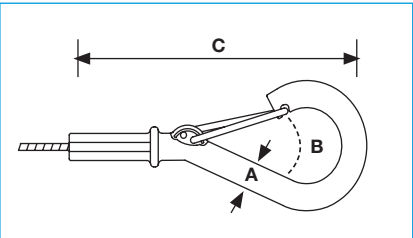
Mini Hook

- Smaller version of the Hook, ideal for cable basket & light fixtures
- Available for use with No. 1 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

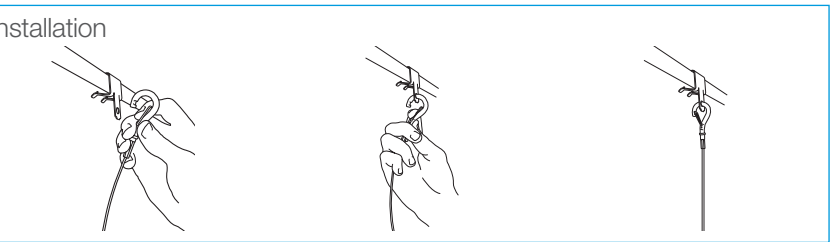
For use with these Hangers


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Installation



Install fixings in accordance with manufacturer's specifications.





Size	A (in)	B (in)	C (in)
No. 1	3/16"	3/16"	2 3/16"


Barrel


- Attaches to any 1/4" or 3/8" male thread product
- Ideal for use on signage or exposed services, such as in retail and office environments
- Available for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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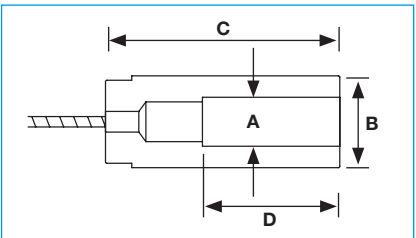

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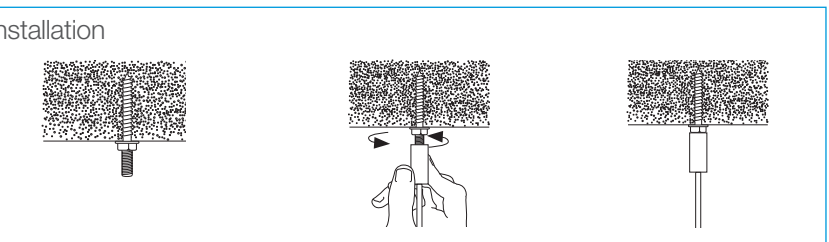

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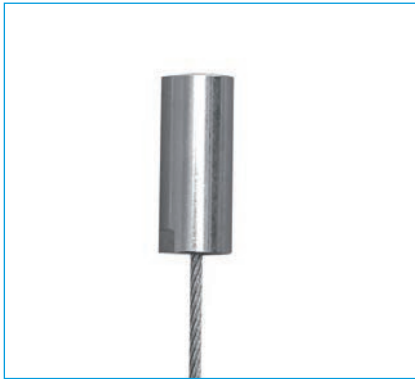

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Installation



Install fixings in accordance with manufacturer's specifications.





Size	A (in)	B (in)	C (in)	D (in)
No. 1	1/4"	7/16"	1 3/4"	1"
No. 2	1/4"	7/16"	1 3/4"	1"
No. 3	3/8"	1/2"	1 3/4"	1"


End Stop


- Simple, slide-in installation for suspending from lighting channels, track, and other channel fixtures
- Available for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers

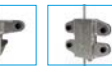

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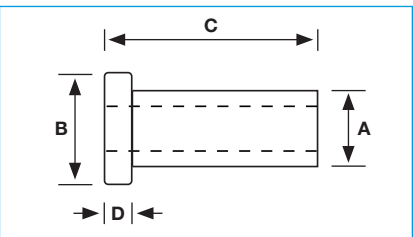

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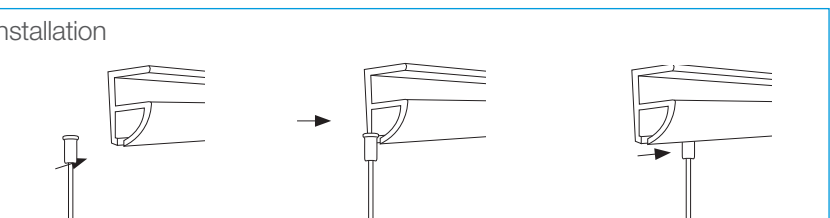

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Installation



Install fixings in accordance with manufacturer's specifications.





Size	A (in)	B (in)	C (in)	D (in)
No. 1	5/32"	1/4"	5/16"	1/16"
No. 2	1/4"	5/16"	15/32"	1/16"
No. 3	1/4"	3/8"	3/4"	1/8"


Top Hat Barrel


- Aesthetic 1/4" threaded end fixing ideal for use when lighting or other services are exposed/visible
- Available for use with No. 1-2 Gripple fastener. Refer to fastener load ratings and safety factors.
- Two-part construction for fast installation using 3/16" sunk screws
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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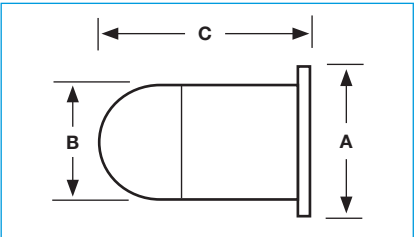

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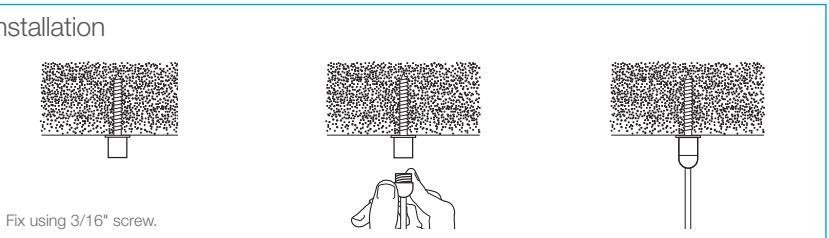

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Installation



Fix using 3/16" screw.

Install fixings in accordance with manufacturer's specifications.




Size	A (in)	B (in)	C (in)
No. 1	11/16"	9/16"	1"
No. 2	11/16"	9/16"	1"


Eyelet


- For fixing into wooden beams/joists or other applications that require bolting to brackets or fixtures
- Available for use with No. 1-3 Gripple fastener. Refer to fastener load ratings and safety factors
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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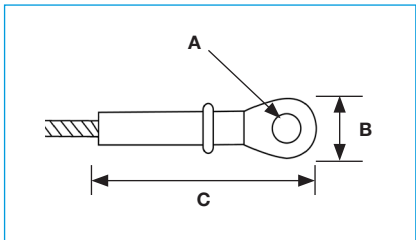

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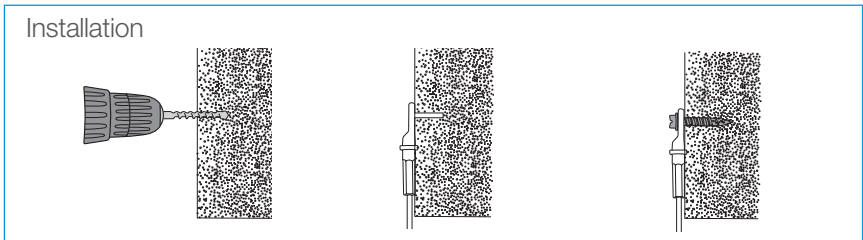

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Size	A (in) Anchor size Ø	B (in)	C (in)
No. 1	1/4"	7/16"	1 3/4"
No. 2	1/4"	7/16"	1 3/4"
No. 3	1/4"	7/16"	1 3/4"



Install fixings in accordance with manufacturer's specifications.

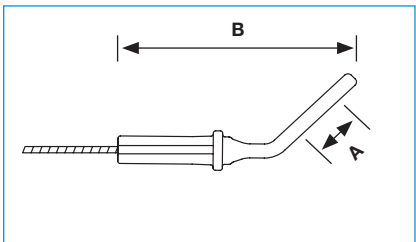
45° Eyelet

- Ideal for use in bracing applications
- Available for use with No. 2-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard

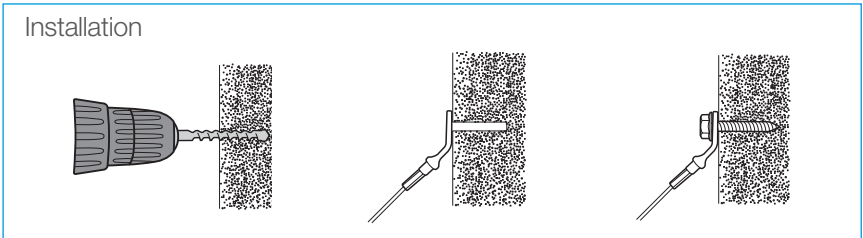
For use with these Hangers


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Size	A (in) Anchor size Ø	B (in)
No. 2	3/8"	2"
No. 3	3/8"	2"





Install fixings in accordance with manufacturer's specifications.


90° Eyelet


- Can be shot fired into concrete or steel
- Ideal for use with Gripple concrete screws for direct soffit mounting
- Available for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5ft - 30ft as standard


For use with these Hangers



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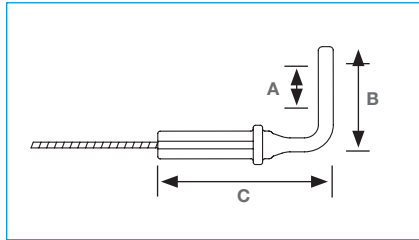

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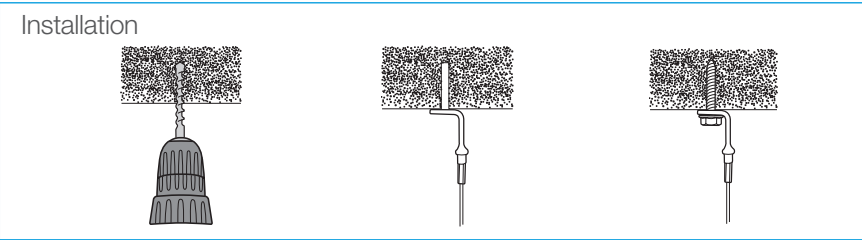

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Size	A (in) Anchor size Ø	B (in)	C (in)
No. 1	1/4"	1"	1 1/2"
No. 2	1/4"	1"	1 1/2"
No. 3	1/4"	1"	1 1/2"
	3/8"	1 1/2"	1 5/8"





Install fixings in accordance with manufacturer's specifications.


Cladding Hook


- Designed to fit 1/4" holes in metal decking roof structures
- Suitable for every grade of steel
- Available for use with No. 1-2 Gripple fasteners. Refer to fastener load ratings and safety factors.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Safe working load may vary dependent on the thickness of steel to which it is attached
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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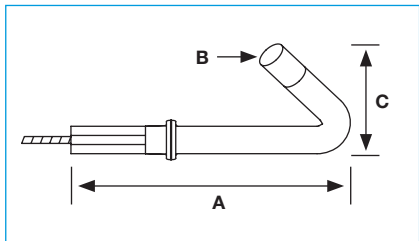

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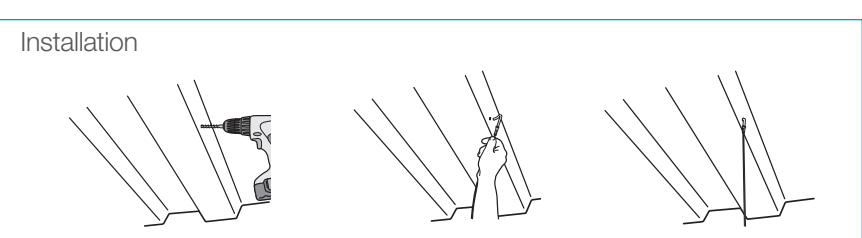

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Size	A (in)	B (in) Hole size Ø	C (in)
No. 1	2 3/8"	1/4"	15/16"
No. 2	2 3/8"	1/4"	15/16"





Install fixings in accordance with manufacturer's specifications.


Ring Anchor


- Ideal for fixing into concrete and cracked concrete
- Shallow anchorage depth of 1"
- Available for use with No. 1-2 Gripple fasteners. Refer to fastener load ratings; 3:1 safety factor
- Supplied as a ready-to-use kit with Gripple fasteners and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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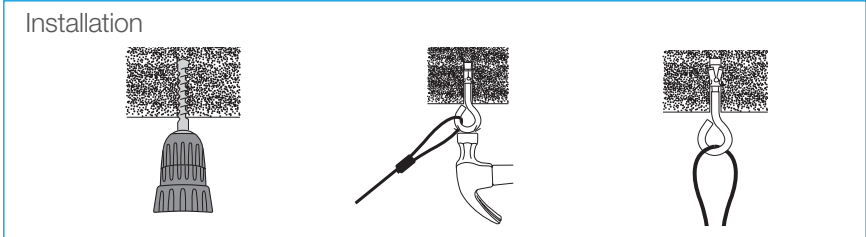
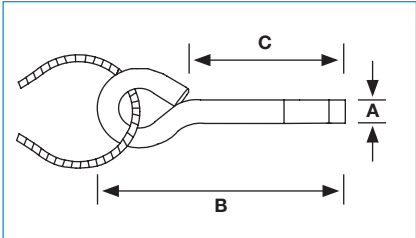

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Install fixings in accordance with manufacturer's specifications.





Size	A (in) Hole size Ø	B (in)	C (in)
No. 1	1/4"	2 1/8"	1 3/8"
No. 2	1/4"	2 1/8"	1 3/8"


Ceiling Anchor


- Ideal for fixing Gripple hangers into concrete
- Knock into a pre-drilled hole, pull with a claw hammer to set
- Available for use with No. 1-2 Gripple fasteners. Refer to fastener load ratings; 3:1 safety factor.
- Supplied as a ready-to-use kit with Gripple fastener and length of cable
- Available in lengths of 5 ft - 30 ft as standard


For use with these Hangers



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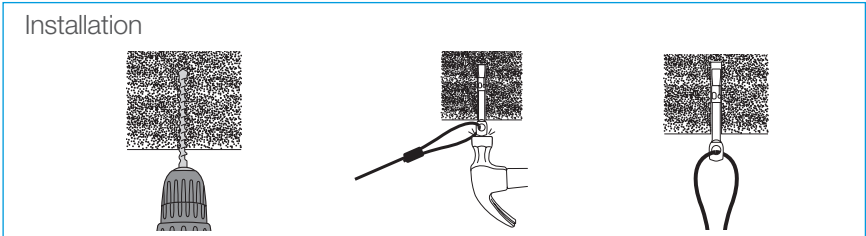
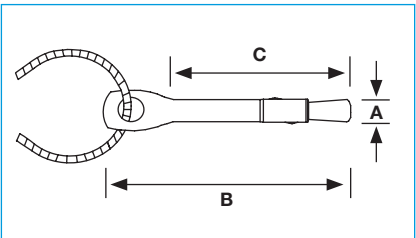

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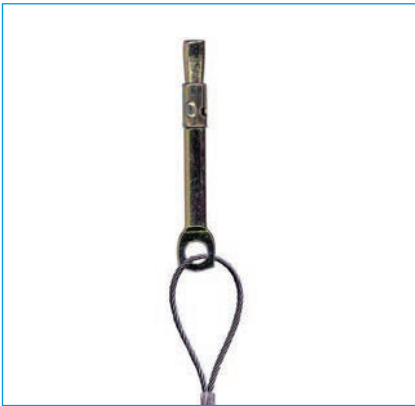

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Install fixings in accordance with manufacturer's specifications.





Size	A (in) Hole size Ø	B (in)	C (in)
No. 1	1/4"	2 1/4"	1 1/2"
No. 2	1/4"	2 1/4"	1 1/2"


C-Clip


- Designed for use with Gripple Catenary Kits
- One handed installation, no tools required
- Allows horizontal and vertical adjustment
- Cams lock solidly in place even at angles up to 60°
- 1/8" and 1/4" versions available
- Can be retrofitted
- Supplied as a ready-to-use kit with length of cable and Gripple fastener


For use with these Hangers



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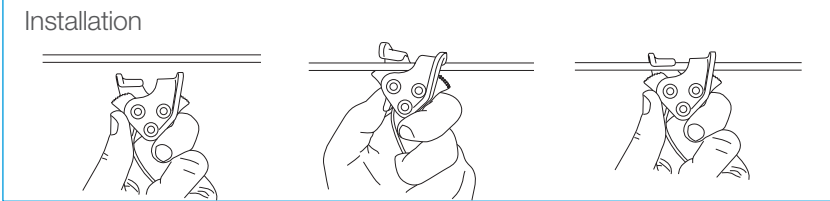
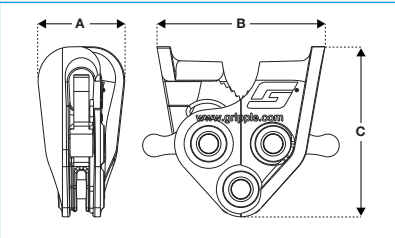

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Size	A (in)	B (in)	C (in)
1/8" C-Clip	1/2"	1"	1 5/16"
1/4" C-Clip	15/16"	1 3/4"	1 3/4"

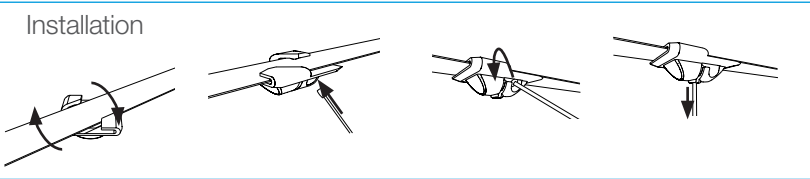
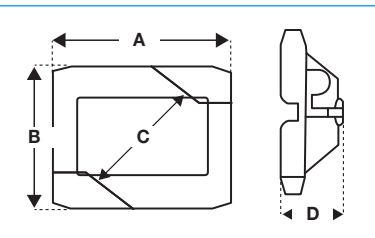
Twist Clip (White)

- Designed for use on 1" T-Bar grid ceilings
- Ideal for use with No. 1 End Stop hanger
- Quick and easy to install - no tools required
- Will not cause damage to the T-Bar grid
- Available for use with No.1 hangers

For use with these Hangers


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A (in)	B (in)	C (in)	D (in)
1 9/16"	1 1/4"	1"	9/16"

Install fixings in accordance with manufacturer's specifications.

Shot Fire

- Shot fire into concrete, or concrete over metal deck
- Can be installed with gas and powder-actuated tools
- Quick and easy fastening solution
- Supplied as a ready-to-use kit with Gripple fastener and length
- Please reference submittal data for safe working loads
- Available in lengths of 5 ft - 30 ft as standard

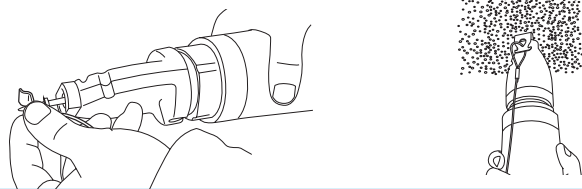


PLEASE REFER TO THE SUBMITTAL DOCUMENT FOR DETAILS ON TOOL SELECTION

For use with these Hangers



Installation



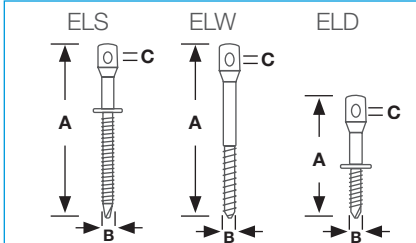
Install fixings in accordance with manufacturer's specifications.

Nail Clip	Shank length (in)	Head diameter (in)
SF35	1 1/4"	5/16"
C945	7/8"	5/16"
NS90	1"	19/64"

Eyelag

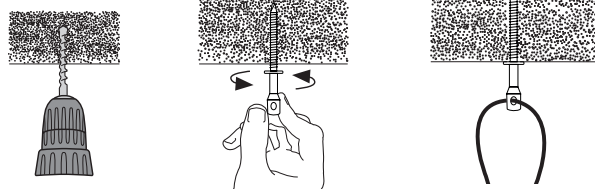
- For suspending ceilings and other acoustic applications
- Attaches to wood and sheet steel
- All screws are made with carbon steel and are zinc plated
- Available for use with No.1 and No. 2 hanger kits
- Please reference submittal data for safe working loads.

For use with these Hangers



Eyelag	A (in)	B (in)	C Hole size Ø (in)	Substrate
ELS	3"	1/4"	3/16"	Wood & Sheet Steel
ELW	3"	1/4"	3/16"	Wood
ELD	2"	1/4"	3/16"	Sheet Steel

Installation



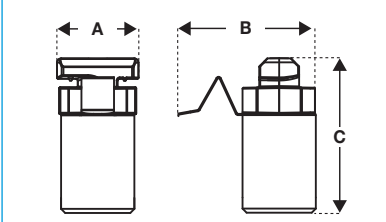
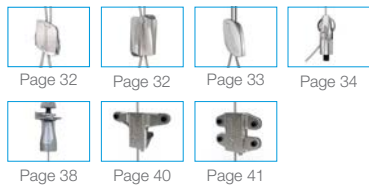
Install fixings in accordance with manufacturer's specifications.

QT Barrel

- For fast quarter-turn attachment to Gripple Low Profile or Pipe Support Brackets
- Allows for suspension of services from pre-installed header rails or Gripple Pipe Support Brackets.
- Fail-safe clip secures into bracket
- Available for use with No. 1-3 Gripple fasteners. Refer to fastener load ratings and safety factors.

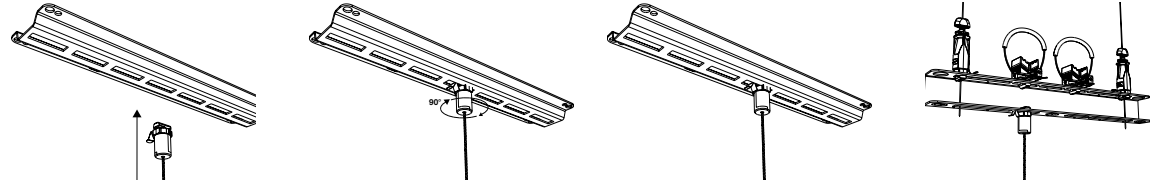


For use with these Hangers



Size	A (in)	B (in)	C (in)
No. 1	13/16	1 11/32	1 15/32
No. 2	13/16	1 11/32	1 15/32
No. 3	13/16	1 11/32	1 15/32

Installation



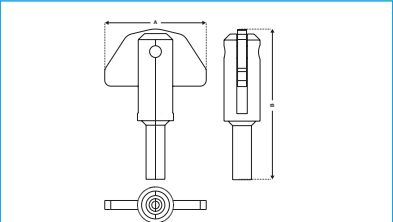
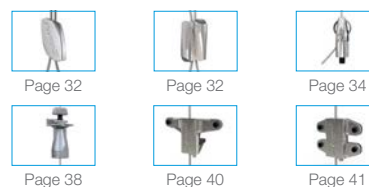
Install fixings in accordance with manufacturer's specifications.

Swivel Toggle

- Below deck install saves time due to swivel toggle technology
- Universal design allows decision on cable size to be made after the slab is poured
- Up to 715 lbs safe working load, with a 5:1 safety factor
- Supplied in ready to use kits with length of cable with pre-attached swivel cable toggle and Gripple fastener

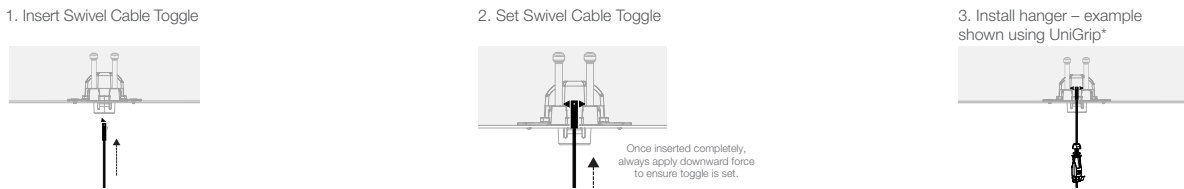


For use with these Hangers

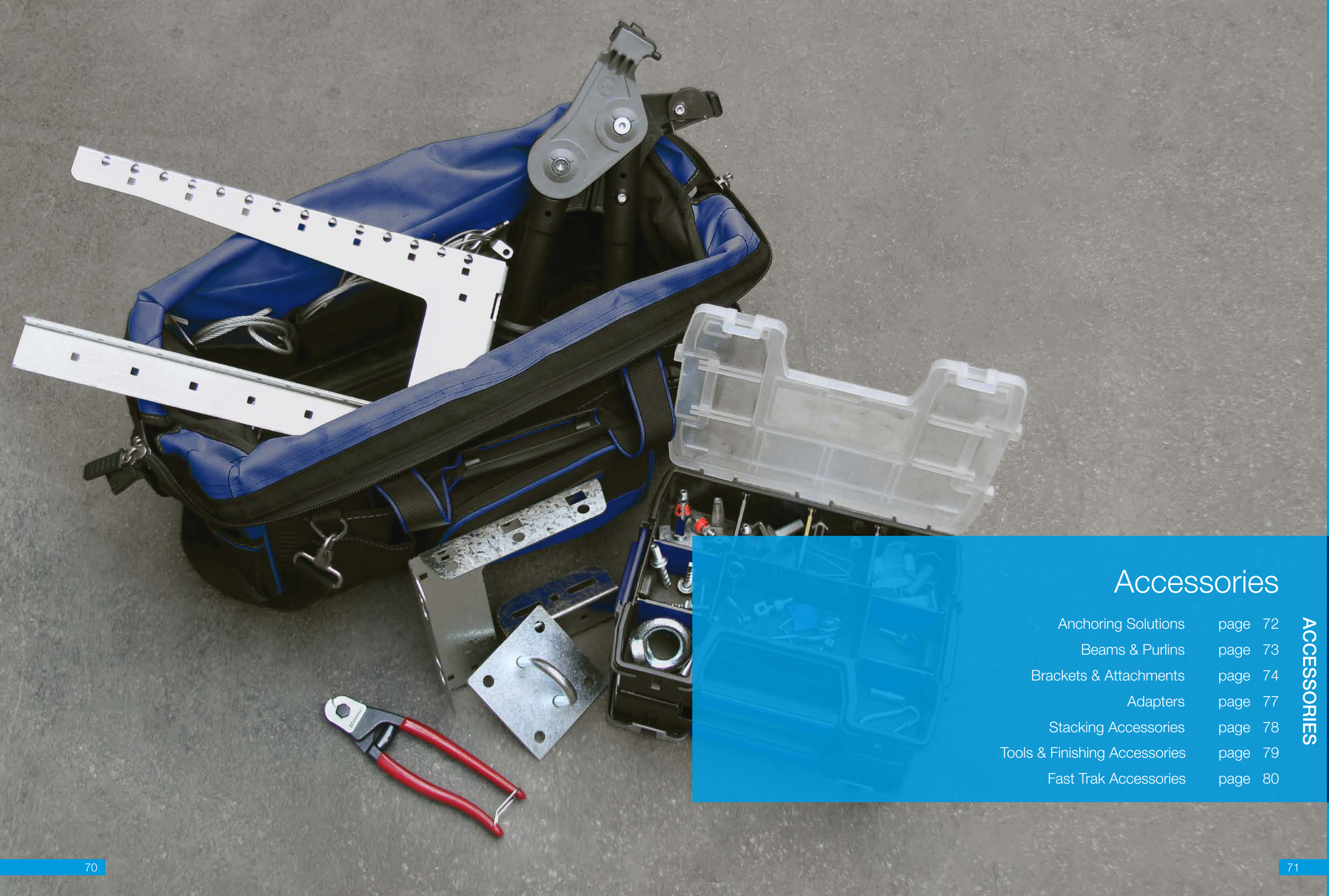


Toggle	A	B
No. 2	1 5/16"	2"
No. 3	1 5/16"	2"
No. 4	1 5/16"	2 3/8"
No. 5	1 5/16"	2 5/8"

Installation for Spider (Wood Form or metal Deck)



Install fixings in accordance with manufacturer's specifications.



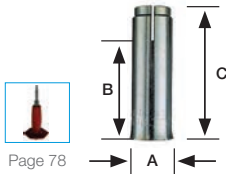
Accessories

Anchoring Solutions	page	72
Beams & Purlins	page	73
Brackets & Attachments	page	74
Adapters	page	77
Stacking Accessories	page	78
Tools & Finishing Accessories	page	79
Fast Trak Accessories	page	80

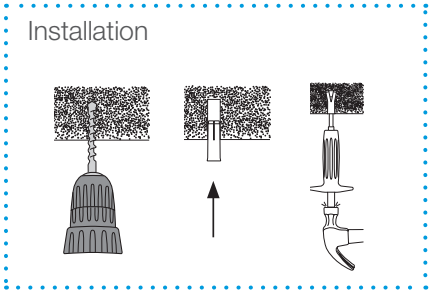
Anchoring Solutions

Drop-In Anchor

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



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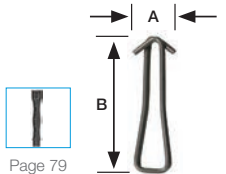
4:1 Safety factor - load rating is dependant on base material

Product code	A	B (in)	Thread depth	C (in)	Max. SWL (lbs)	Hole Ø (in)	Min. Hole depth* (in)	Anchorage depth* (in)
DPA-1/4	1/4"	1/2"		1"	285	3/8"	1 1/4"	1"
DPA-3/8	3/8"	5/8"		1 9/16"	495	1/2"	1 7/8"	1 5/8"

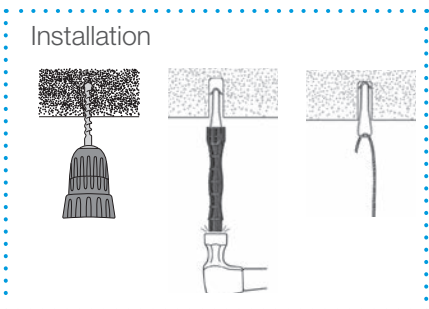
* For further information contact Gripple Technical Services

Concrete Wire Anchor

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



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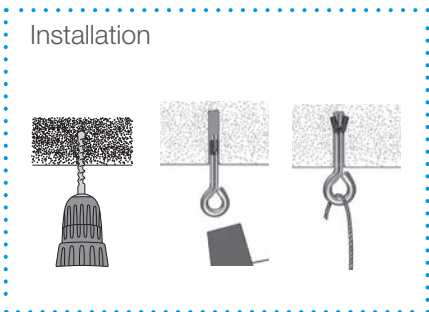
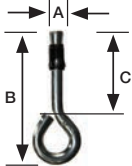
3:1 Safety factor - load rating is dependent on base material

Product code	A (in)	B (in)	Max. SWL (lbs)	Hole Ø (in)	Min. Hole depth* (in)	Min. Anchorage depth* (in)
WIRE-ANCHOR	1/2"	2"	100	5/16"	1 1/4"	1 1/4"

* For further information contact Gripple Technical Services

Cracked Concrete Ring Anchor

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



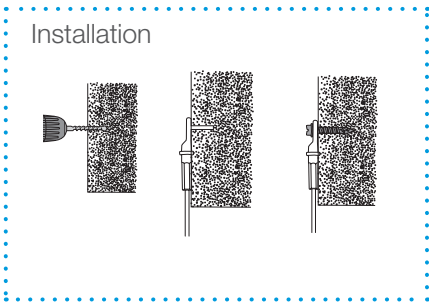
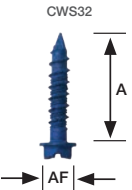
3:1 Safety factor - load rating is dependent on base material

Product code	A (in)	B (in)	C (in)	Max. SWL (lbs)	Hole Ø (in)	Min. Hole depth* (in)	Min. Anchorage depth* (in)
CCRA6	1/4"	2 1/8"	1 3/8"	120	1/4"	1 3/8"	1"

* For further information contact Gripple Technical Services

Concrete/Wood Screw

- Easy-fit slotted/hex head screw suitable for wood and non-cracked concrete
- Ideal for use with the Eyelet and 90° Eyelet end fixings (page 64 / 65)
- Removable; excellent corrosion resistance



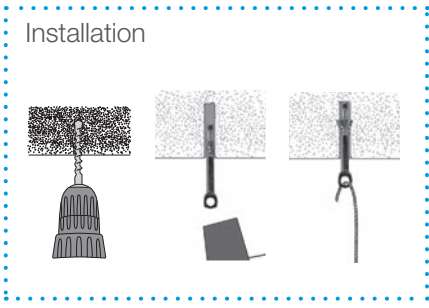
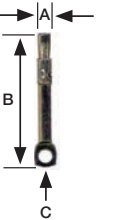
3:1 Safety factor - load rating is dependant on base material

Product code	A (in)	AF (in)	Max. SWL (lbs)	Hole Ø (in)	Min. Hole depth* (in)	Min. Anchorage depth* (in)
CWS32	1 1/4"	5/16"	120	7/32"	1 3/8"	1 1/4"

* For further information contact Gripple Technical Services

Concrete Ceiling Anchor

- Self-expanding eyelet hanger suitable for non-cracked concrete, precast hollow concrete, and hard natural stone
- Knock into a pre-drilled hole and pull with a claw hammer to set
- Ideal for use with the Express hanger (page 28)



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

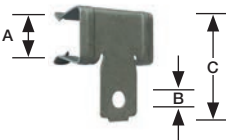
Product code	A (in)	B (in)	C Ø (in)	Max. SWL (lbs)	Min. Hole depth* (in)	Min. Anchorage depth* (in)
CWHQ	1/4"	2 1/4"	1/4"	100	1 3/4"	1"

* For further information contact Gripple Technical Services

Beams & Purlins

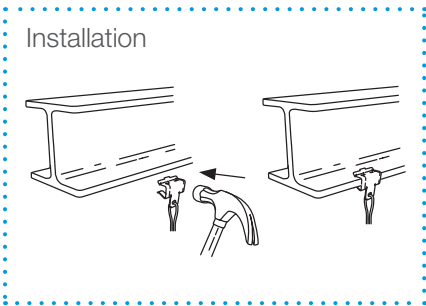
Beam Clip

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



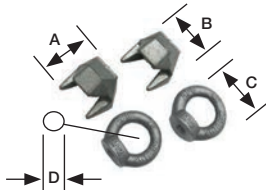
3:1 Safety factor

Product code	A (in) Flange Thickness	B (in) Ø	C (in)	Max. SWL (lbs)
GCB24	1/16" - 1/8"	9/32"	1 3/16"	160
GCB59	1/8" - 1/4"	9/32"	1 1/4"	200
GCB1016	5/16" - 1/2"	9/32"	1 11/16"	200
GCB1720	9/16" - 3/4"	9/32"	1 7/8"	200



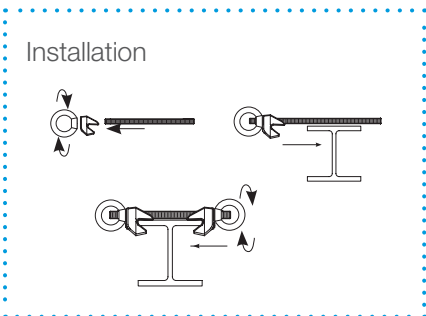
GF Bracket

- Designed for clamping onto an I-Beam section
- Suitable for 1/4" - 3/4" flange thickness
- Use with 1/2" threaded rod (not supplied)
- Ideal for use with Catenary Kits (page 46)



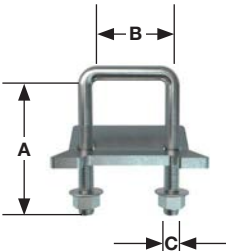
1.7:1 Safety factor

Product code	Flange Thickness (in)	A (in)	B (in)	C (in)	D (in)	Max. SWL (lbs)
GF12-EYENUT	1/4" - 1/2"	1 3/4"	1 7/8"	2 3/16"	1 3/16"	750
GF16-EYENUT	5/16" - 5/8"	2 1/4"	2 7/16"	2 3/16"	1 3/16"	750
GF20-EYENUT	3/8" - 3/4"	2 61/64"	2 41/64"	2 3/16"	1 3/16"	750

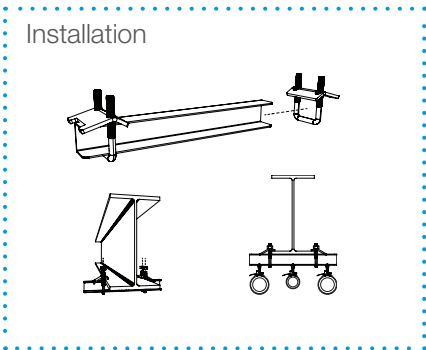


Pipe Bracket Beam Clamp

- Allows brackets to be fixed directly to beams for pipe runs close to the deck
- Suitable for a wide range of flange sizes (up to 1 5/16")
- Quick and easy installation
- Robust, mild steel construction
- For use with Gripple Pipe Support Bracket (page 51)



Product code	A	B	C	Load Rating (lbs)
PB-BEAM-CLAMP-2P	3 1/4"	1 3/4"	M10	200



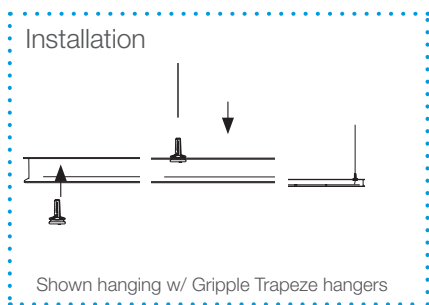
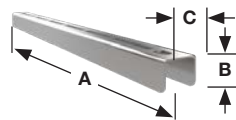
Brackets & Attachments

Pipe Bracket

- For use with Gripple QT Clamp and Threaded Clamp (pages 48 & 50)
- Can be bolted directly to soffit or wall, or suspended from the soffit using threaded rod or Gripple UniGrip Hangers
- Eliminates the need for cutting channel on site

1.6:1 Safety factor

Product code	A (in)	B (in)	C (in)	Max. Single Point Load (lbs)	Max. Bracket load (above mount)
PB1FT	12"	1 3/8"	1 11/16"	1000	1900
other increments are available					
PB5FT	60"	1 3/8"	1 11/16"	250	1200

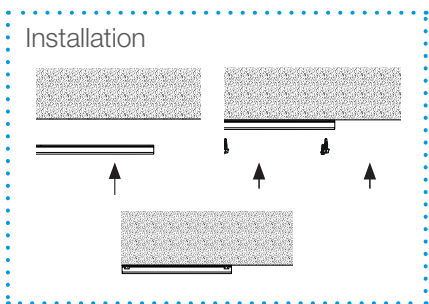
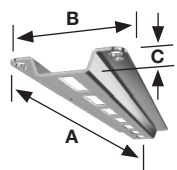


Low Profile Bracket

- Can be bolted directly to soffit or wall
- Eliminating the need for cutting channel on site, allowing more productive use of labour
- For use with Gripple QT Compact Clamp (page 49)

1.6:1 Safety factor

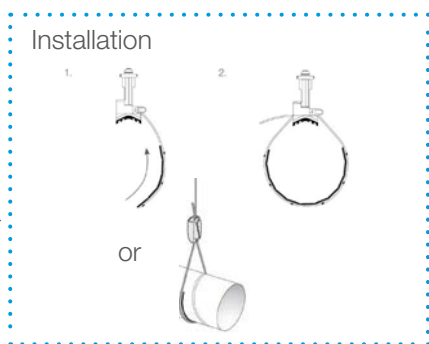
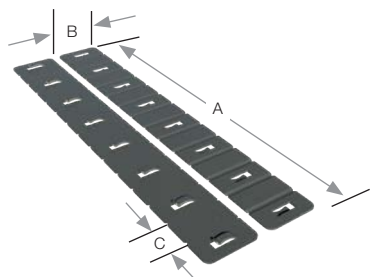
Product code	A (in)	B (in)	C (in)	Max. Single Point Load (lbs)	Max. Bracket load
LPB1FT	14"	3 5/64"	1/2"	165	330
other increments are available					
LPB5FT	47"	3 5/64"	1/2"	165	330



Spreader Band

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

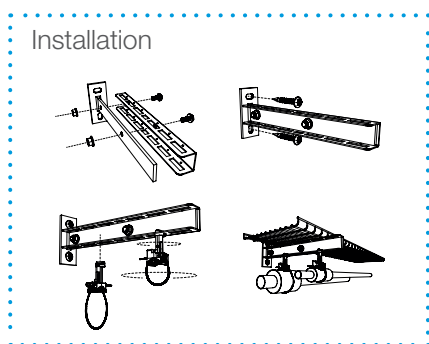
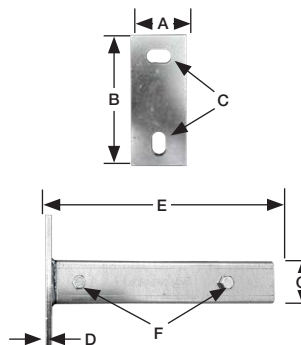
Product code	A (in)	B (in)	C (in)
SPREADER-BAND	12"	1 5/8"	3/4"



Wall Bracket

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

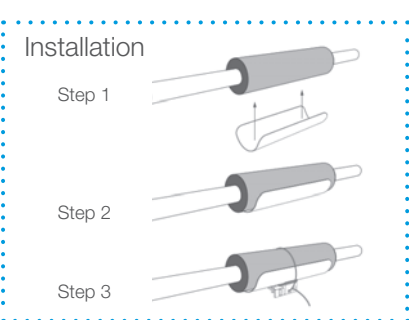
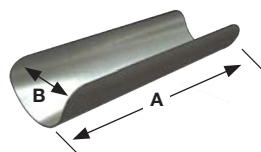
Product code	A (in)	B (in)	C Fixing Size Ø (in)	D (in)	E (in)	F (in)	G (in)
WALL-BRACKET							
WALL-BRACKET-SMALL	2"	4 3/4"	Ø 1/2"	1/4"	9 11/16"	Ø 3/8"	1 11/16"
WALL-BRACKET-MEDIUM	2"	4 3/4"	Ø 1/2"	1/4"	13 5/8"	Ø 3/8"	1 11/16"
WALL-BRACKET-LARGE	2"	4 3/4"	Ø 1/2"	1/4"	17 9/16"	Ø 3/8"	1 11/16"



Brackets & Attachments

Roundup Plus Saddle

- 180° metal pipe insulation saddle, 22 gauge galvanized steel
- Peel & stick tape secures the saddle to the pipe insulation
- 12" length with various saddle diameters 2" thru 6 1/2"
- Ideal for use with QT Clamp, QT Compact Clamp, and Threaded Clamp (pages 48-50)

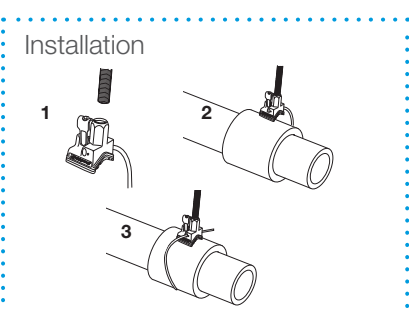


Product code	A (in)	B (in)
BIS*	12"	X*

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

Pipe Insulation Collars

- For use with all Gripple pipe clamps
- Universal - for mild steel, stainless steel, copper and plastic pipes in a range of sizes
- High performance - reduced heat loss & highly moisture resistant
- Temperature range: Calsil 20°F to +1200°F
Armafix -297°C to +221°C
- Thermal conductivity: Calsil 0.40 BTU · in/h ft2 · °F
Armafix 0.27 BTU · in/h ft2 · °F

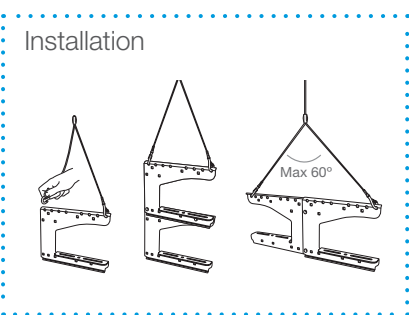
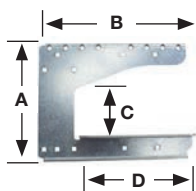


G-Bracket

- Made for supporting cable tray and basket
- Brackets can be easily joined together either vertically or horizontally with coupling bolts
- Ideal for use with the Y-Fit and Y-Fit Accessory Hangers (page 44)

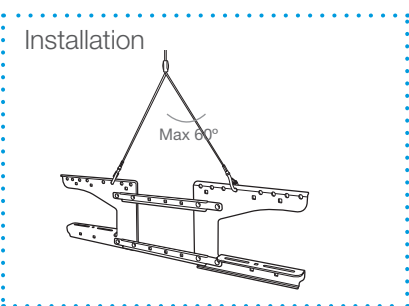
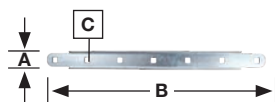
3:1 Safety factor

Product code	A (in)	B (in)	C (in)	D (in)	Max. SWL (lbs)
G-BRACKET-100	7 3/4"	6 1/2"	3"	4 3/4"	130
G-BRACKET-200	7 7/8"	10 1/4"	3"	7 7/8"	130
G-BRACKET-300	7 7/8"	14 1/2"	3"	12 5/8"	130
G-BRACKET-400	7 7/8"	19 1/4"	3"	16 3/4"	130



G-Spacer

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



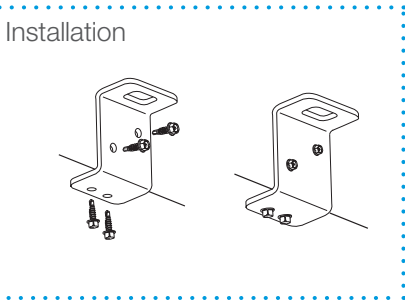
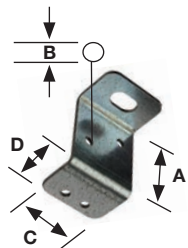
5:1 Safety factor

Product code	A (in)	B (in)	C (in)
G-SPACER	1 1/32"	13"	1/4" x 1/4"

Brackets & Attachments

Trapeze Bracket

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

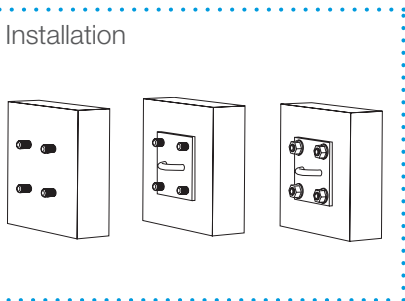
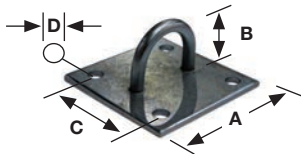


5:1 Safety factor

Product code	A (in)	B (in)	C (in)	D (in)	Max. SWL (lbs)
TPZ-BRACKET	1 7/8"	3/16"	1 1/2"	1"	200

Catenary Kit Wall Bracket

- 4" x 4" back plate for concrete walls and wooden beams as an attachment point for Catenary Kit
- 4 x 7/16" diameter mounting holes
- 2 1/2" hole spacing
- 3/8" ring for easy cable attachment
- Zinc plated finish (minimum 5 μ)

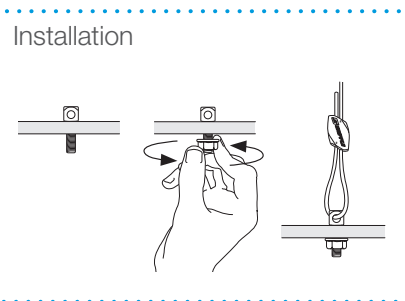
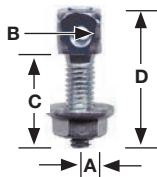


3:1 Safety factor

Product code	A (in)	B (in)	C (in)	D (in)	Max. SWL (lbs)
CAT-BRACKET-4IN	4"	1 3/4"	2 1/2"	7/16"	750

M6 & M8 Adapter

- Ideal for fixing to many services such as light fixtures
- Can be fixed into concrete using a metric Drop-In Anchor (page 72)
- Available in metric threads only



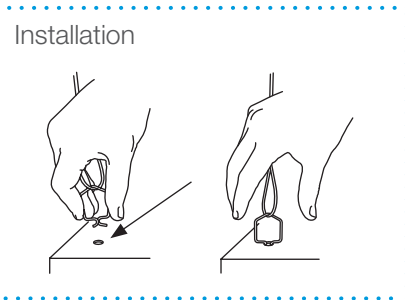
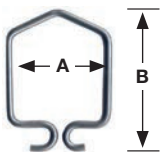
5:1 Safety factor - dependent on material

Product code	A	B (in)	C (in)	D (in)	Max. SWL (lbs)
ADP-M6	M6	1/8"	3/4"	1"	200
ADP-M8	M8	1/4"	1"	1 1/2"	500

Adapters

Spring Clip

- Used for attaching to top of light fixture with 1/4" hole
- Ideal for use with the Express hanger (page 28)

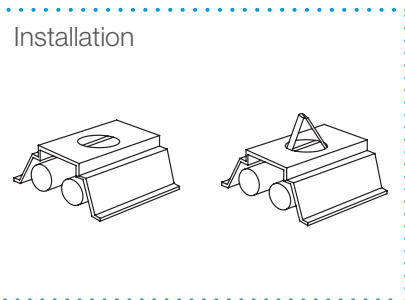
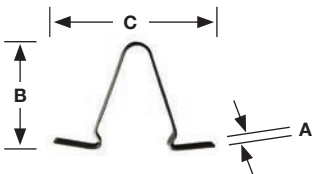


3:1 Safety factor - dependent on material thickness

Product code	A (in)	B (in)	Max. SWL (lbs)
CLIP-SPG-68	1"	1 1/2"	66

LSK Clip

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

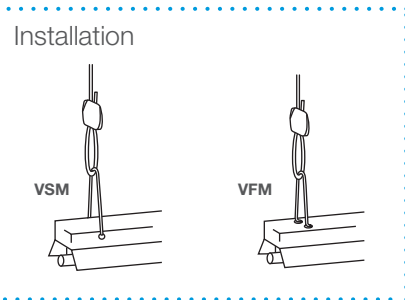
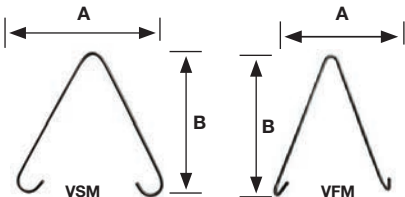


3:1 Safety factor

Product code	Hole Ø	A (in)	B (in)	C (in)	Max. SWL (lbs)
CLIP-LSK	7/8"	5/16"	1 3/8"	2"	8 lbs

V-Bracket

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

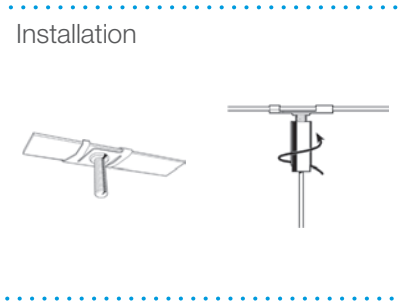
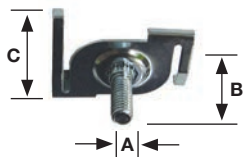


5:1 Safety factor

Product code	A (in)	B (in)	Max. SWL (lbs)
BRACKET-VSM	3 1/8"	4 5/8"	30
BRACKET-VFM	2 9/16"	3 7/8"	30

T-Bar Twist Clip

- Ideal for attaching to suspended ceilings
- Integral 1/4" male thread
- Ideal for use with the 1/4" Barrel End Fixing (page 63)
- Suitable for 1" T-Bar

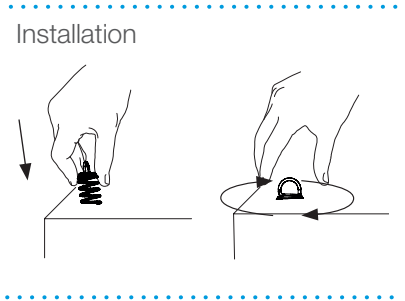
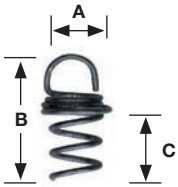


5:1 Safety factor

Product code	A	B (in)	C (in)	Max. SWL (lbs)
TBAR-CLIP-Q	1/4"	5/8"	1"	45

Acoustic Panel Spring Anchor

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



Product Code	A (in)	B (in)	C (in)
ASA-S	5/8"	1 7/8"	1"
ASA-L	1 1/16"	3 7/8"	2 7/8"

Stacking Accessories

UniGrip

UniGrip accessories are only available for double or more stacking applications

Standard No. 2 & 3

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



QT No. 2 & 3

- Designed for use with Gripple Pipe Support Brackets
- Quarter turn installation, no mechanical fix required



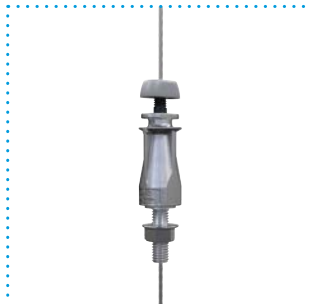
Central Exit Channel Nut

- Designed for services suspended with channel
- Supplied with square washer and channel nut
- Male thread for mechanical fixing
- 3/8" (UniGrip No. 2), 3/8" (UniGrip No. 3) 1/2" (UniGrip No. 4)



Central Exit Flange Nut

- Designed for services suspended with Gripple Brackets
- Supplied with hex nut
- Male thread for mechanical fixing
- 3/8" (UniGrip No. 2), 3/8" (UniGrip No. 3) 1/2" (UniGrip No. 4)



Trapeze

Butterfly Trapeze

Ideal for use with light ductwork. Combine Butterfly Trapeze as an accessory with any Trapeze kit for multi-tiered installations. Maximum load rating of 100 lbs with a 5:1 safety factor.



Duct Trapeze

Ideal for use with rectangular ductwork. Combine Duct Trapeze as an accessory with any Trapeze kit for multi-tiered installations. Maximum load rating of 100 lbs with a 5:1 safety factor.

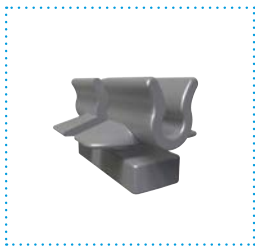


Tools & Finishing Accessories

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 5/32" and 13/64" basket wire



Release Keys

- Use for adjusting or releasing the Standard fastener (pre-load)
- Two sizes available – Flag Key for No. 1 to No.3 hangers. Setting Key for hangers No.4 and No.5.



Drop-In Anchor Setting Punch

- Leaves four permanent indents on the anchor to advise correct installation
- Two sizes available to suit 1/4" & 3/8" anchor



Protective Sleeving

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



Driver Bit

- For use with a power driver
- Torx head to fit Concrete Screw or Cracked Concrete Screw



Wire Anchor Installation Tool

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



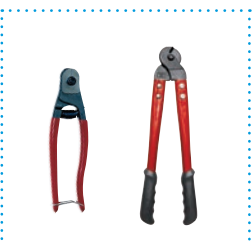
Fixing Tool for Ceiling Clip Wood

- For use with a power driver
- Hexagonal head to fit AF 5/16"



Wire Cutters

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



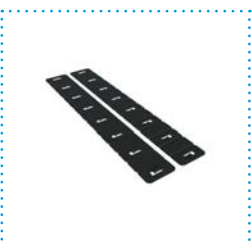
Tensioning Tool

- Applies tension easily with the 6:1 gear drive mechanism
- Designed control mechanism to prevent over tensioning
- For use with 1/4" 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 No. 2 and No. 3 cable



Corner Saddle

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



Twister

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



Fast Trak Accessories

Conduit Clamp

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

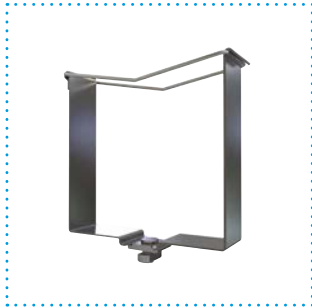
- No specialist tools required for installation
- Available in sizes from 1/2" to 4"
- Supports rigid and EMT conduit
- Pre-assembled with nut and bolt



Trunking Clamp

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

- No tools or additional fixings required
- Available in 4 sizes: 2x2 inch, 3x3 inch, 4x4 inch, 6x6 inch
- Integral, hinged latch retains trunking in position
- Suitable for use with PVC and steel trunking



QT Universal Clamp & QT Compact Clamp

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

- Integral mounting pillar and quarter turn attachment
- No tools required for installation
- Replaces more than 13 different pipe rings from 1/2" copper to 6" steel



J-Hook

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

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

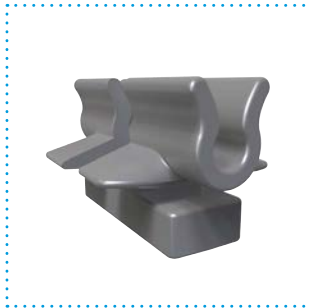


Fast Trak Accessories

CB Clip

For quick fastening of cable basket to Gripple Fast Trak.

- Prevents uplift and slide of basket
- Two sizes available to fit 5/32" and 13/64" basket wire
- Tool-free, quarter turn installation
- Time saving compared to traditional methods



CT Clip

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

- Prevents uplift and slide of tray
- Available in one size to fit 5/64" thick steel
- Tool-free, quarter turn installation
- Quick push fit fixing



Vibration Dampener

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

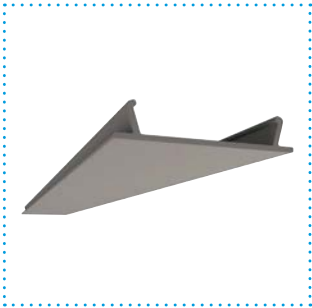
- Vibration reduction across a wide range of frequencies
- Prevents slipping of ductwork
- Made of rubber, no tools required
- Installs in seconds

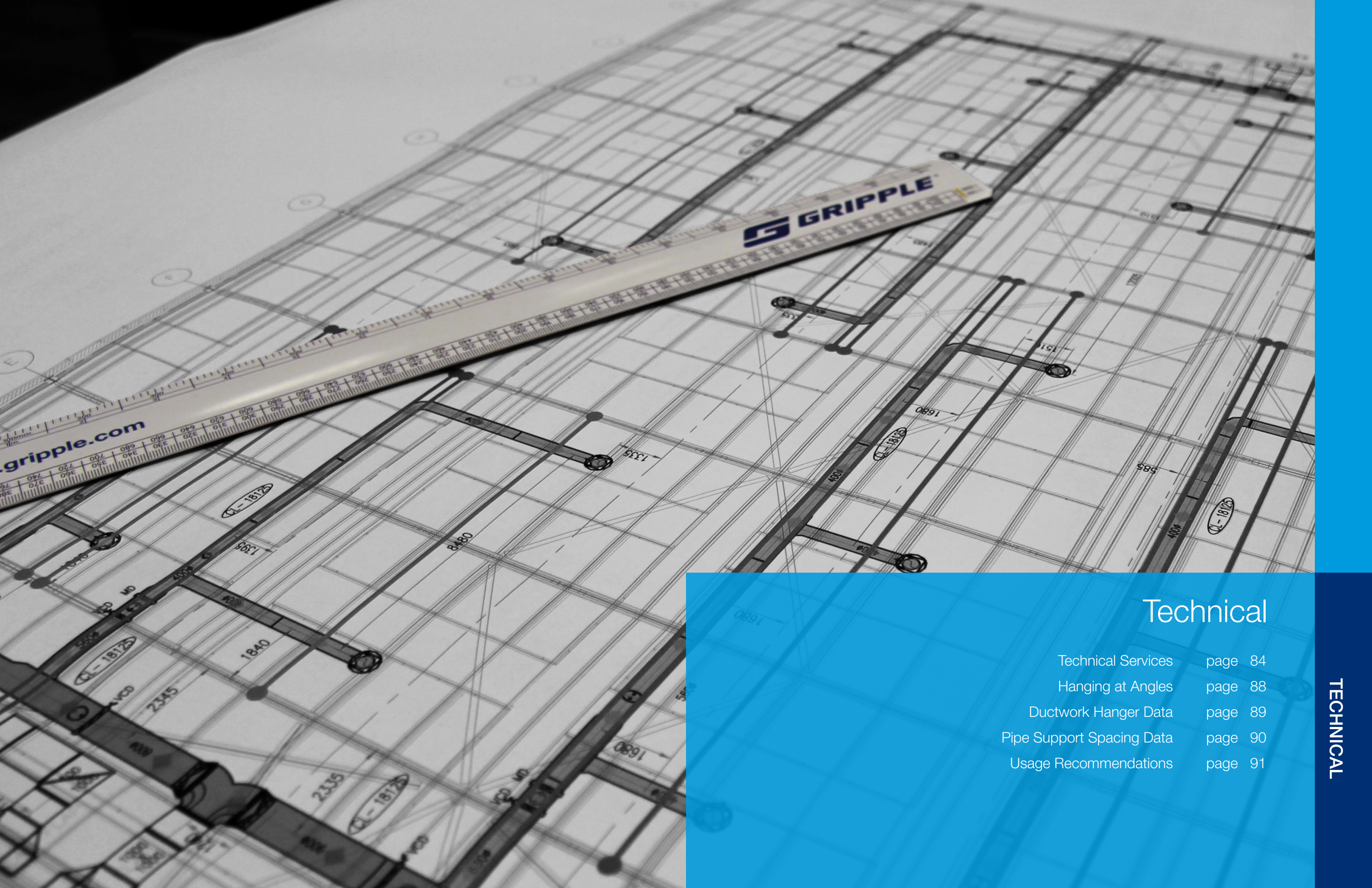


Bracket Cover

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

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





Technical

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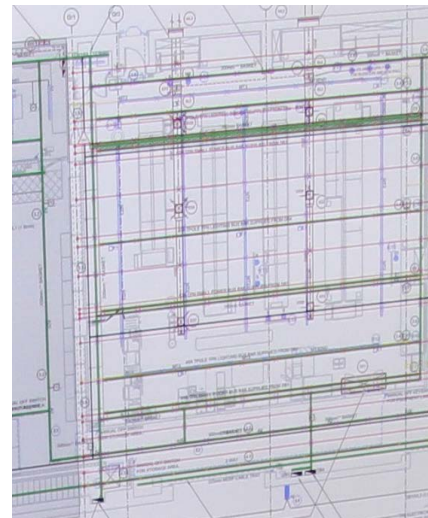
Technical Services



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

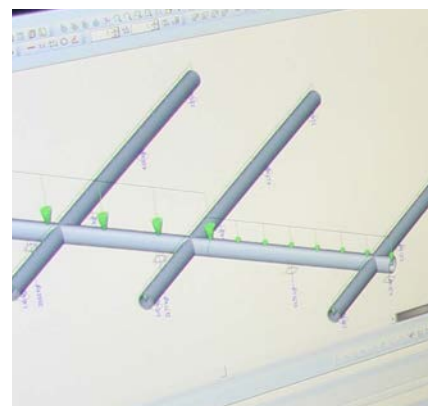
Installation Design

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

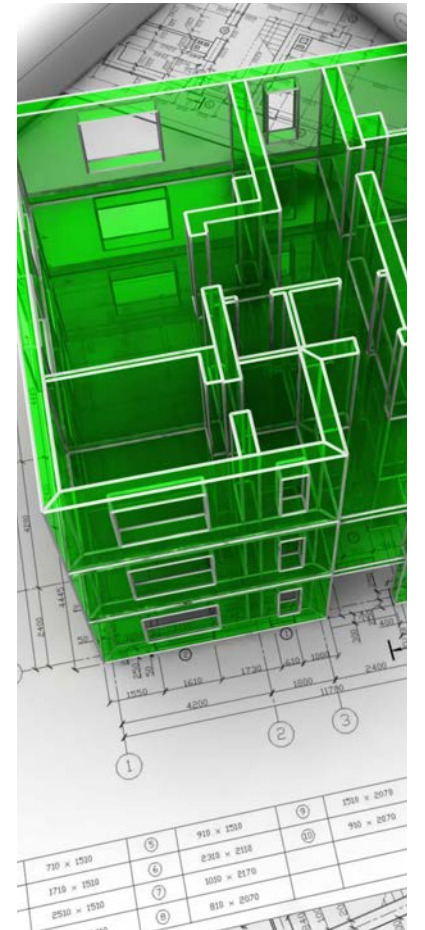
Building Information Modelling (BIM) is fast becoming the preferred method for carrying out progressive projects in a collaborative way.

Gripple 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

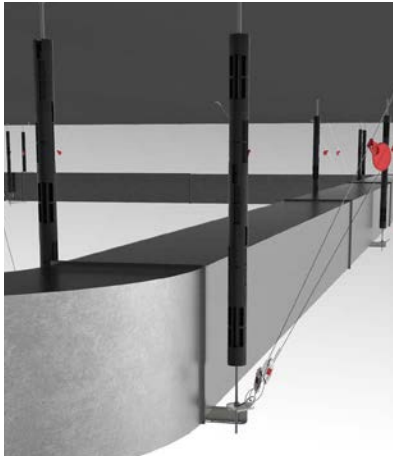
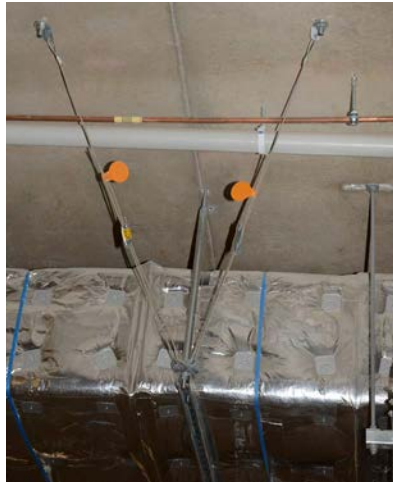
Gripple recognises that today's buildings need to be designed to the highest environmental standards. In order to facilitate this, Gripple Technical Services is able to provide calculations, based on drawing submissions or site surveys, to determine the ECO₂ savings when switching to lightweight wire 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 is a leading provider of seismic bracing and blast protection systems.

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



Gripple Technical Services can offer:

1. Engineered seismic bracing calculations based on design category, occupancy, importance and relevant site specific seismic specifications.
2. Detailed engineer's sealed drawings (electronic format) prepared in AutoCAD or .pdf files (submitted by the consultant/contractor) indicating the location of seismic bracing points and bracket type.
3. Gripple on-site training on seismic product installation.
4. Completion visit by Gripple Seismic Authorized Representative to ensure correct installation.
5. Gripple Seismic Bracing products per engineering calculations, including:
 - a. Seismic wire rope kit with End Fixing and colour coded verification tag
 - b. Seismic component bracket
 - c. Gripple Seismic Hanger

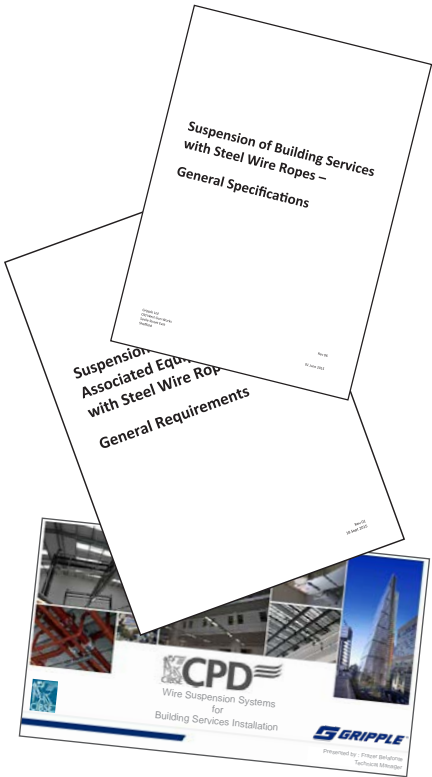
Acoustic & Vibration Performance

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



Technical Specifications & Best Practice Guides

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.

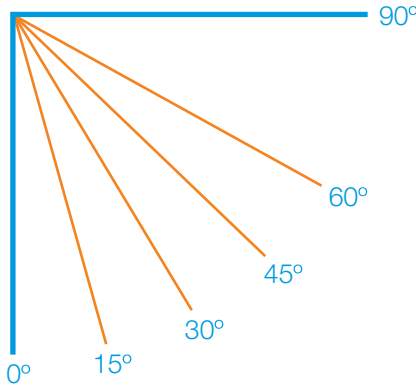


Hanging at Angles

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

Hanger size	Maximum load (lbs) at an angle from vertical				
	0°	15°	30°	45°	60°
No.1	33	31	28	23	16
No.2	100	96	86	70	50
No.3	200	192	172	140	100
No.4	495	475	425	346	247
No.5	715	686	614	500	357
Load %	100	96	86	70	50

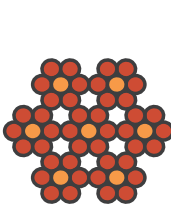
For Gripple hanger, hung at an angle in excess of 60° from vertical, contact Gripple Technical Services.



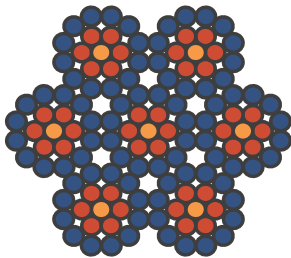
Cable Construction & Cross Sections

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

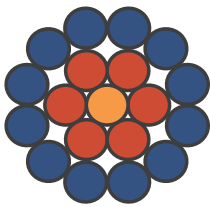
Cable size	Diameter (in)	Construction
No.1	1/16"	7 x 7 or 1 x 19
No.2	5/64"	7 x 7 or 1 x 19
No.3	1/8"	7 x 7 or 1 x 19
No.4	3/16"	7 x 19
No.5	1/4"	7 x 19



7 x 7 (6/1)



7 x 19 (12/6/1)



1 x 19 (12/6/1)

Ductwork Hanger Data

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

Rect. Duct size (height + width)	Weight / ft.		Weight / 8 ft.	Gripple Hanger Size Needed (2 per 8ft.) *	Safety Factor
	20 Gauge	22 Gauge			
80 x 20"	28.10	--	224.80	3	8:1
70 x 24"	26.44	--	211.52	3	9:1
66 x 24"	25.34	--	202.72	3	9:1
50 x 20"	19.82	--	158.56	2	12:1
40 x 22"	19.27	--	154.16	2	12:1
36 x 18"	--	13.08	104.64	2	9:1
24 x 12"	--	8.86	70.88	2	14:1
16 x 16"	--	7.92	63.36	2	15:1
14 x 10"	--	6.05	48.40	2	20:1
12 x 6"	--	4.64	37.12	2	26:1
10 x 6"	--	4.17	33.36	2	29:1
8 x 6"	--	4.17	33.36	2	29:1

*No.2 Gripple = 100 lbs SWL per hanger, 5:1 safety factor
No.3 Gripple = 200 lbs SWL per hanger, 5:1 safety factor

Spiral duct, single wall, based on 10' hanging space.

Diameter	Circumference	Gripple Hanger Size		
		26 Gauge	24 Gauge	22 Gauge
12"	3' 2"	2	2	2
16"	4' 2"	2	2	2
20"	5' 3"	2	2	2
24"	6' 3"	2	2	2
28"	7' 4"	2	2	3
32"	8' 5"	2	3	3
36"	9' 5"	2	3	3
40"	10' 6"	3	3	3
44"	11' 6"	3	3	3
48"	12' 7"	3	3	3
52"	13' 7"	3	3	4
56"	14' 8"	3	3	4
60"	15' 8"	3	4	4

Spiral duct, double wall, based on 10' hanging space.

Inside diameter (in)	Outside gauge	Inside gauge	Wt/Ft (lbs)	Gripple size
12"	26	26	8.0	2
16"	24	24	11.0	3
20"	24	24	13.4	3
24"	24	24	18.0	3
28"	22	24	22.3	4
32"	22	24	25.2	4
36"	20	22	31.2	4
40"	20	22	36.7	4
44"	20	22	40.2	4
48"	20	22	43.8	4
52"	18	20	56.2	5
56"	18	20	60.8	5

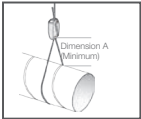
Please note, calculations do not take into account weight of connectors.

Hanger length charts

Standard hanging (for spiral duct 36" and smaller)

Duct size (diameter)	Dim. A (minimum)	Gripple cable length needed (ft)							
		Elevation from roof/soffit to top of duct							
		5'	8'	10'	12'	15'	18'	20'	
12"	6"	10'	15'	15'	20'	20'	25'	25'	
14"	7"	10'	15'	15'	20'	20'	25'	25'	
16"	8"	10'	15'	15'	20'	20'	25'	25'	
18"	9"	10'	15'	15'	20'	20'	25'	25'	
20"	10"	15'	15'	20'	20'	25'	25'	30'	
22"	11"	15'	15'	20'	20'	25'	25'	30'	
24"	12"	15'	15'	20'	20'	25'	25'	30'	
26"	13"	15'	15'	20'	20'	25'	25'	30'	
28"	14"	15'	20'	20'	20'	25'	30'	30'	
30"	15"	15'	20'	20'	20'	25'	30'	30'	
32"	16"	15'	20'	20'	20'	25'	30'	30'	
34"	17"	15'	20'	20'	25'	25'	30'	30'	
36"	18"	20'	20'	25'	25'	30'	30'	35'	

- All hangers are available in 5', 10', 15', 20' and 30' standard lengths
- Lengths rounded up to nearest 5 ft increment
- Size of cable hanger (No.1 - No.5) will be based on weight of duct and hanger spacing
- Allow spacing equal to 1/2" of duct diameter between the Gripple fastener and duct (Dim. A)



Sling hanging (for spiral duct larger than 36").

Duct size (diameter)	Gripple cable length needed (ft)							
	Elevation from roof/soffit to top of duct							
	5'	8'	10'	12'	15'	18'	20'	
36"	20'	30'	30'	35'	40'	50'	50'	
38"	20'	30'	30'	35'	40'	50'	50'	
40"	25'	30'	35'	35'	45'	50'	55'	
44"	25'	30'	35'	40'	45'	50'	55'	
46"	25'	30'	35'	40'	45'	50'	55'	
48"	25'	30'	35'	40'	45'	50'	55'	
50"	25'	30'	35'	40'	45'	50'	55'	
52"	25'	30'	35'	40'	45'	50'	55'	
56"	25'	35'	35'	40'	45'	55'	55'	
60"	30'	35'	40'	40'	50'	55'	56'	

- All hangers are available in 5', 10', 15', 20' and 30' standard lengths
- Lengths rounded up to nearest 5 ft increment
- Size of cable hanger (No.1 - No.5) will be based on weight of duct and hanger spacing
- Duct larger than 36" should be hung in 'cradle' fashion, with the hanger secured at two points to the roof / ceiling and the cable supporting the duct underneath



Pipe Support Spacing Data

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

Copper tube	Tube size (NPS)	Actual outside diameter		Tube weight per foot	Water weight per foot	Total weight per foot Tube & Water	Tube support spacing for horizontal runs (ref. MSS SP-58)	Weight per clamp at recommended support spacing
ASTM B88 (Type K)	inches	inches		lb/ft	lb/ft	lb/ft	ft	lb
	1/2	5/8	0.625	0.344	0.095	0.44	5.0	2.2
	5/8	3/4	0.750	0.418	0.145	0.56	5.0	2.8
	3/4	7/8	0.875	0.641	0.189	0.83	5.0	4.1
	1	1 1/8	1.125	0.837	0.337	1.17	6.0	7.0
	1 1/4	1 3/8	1.375	1.040	0.528	1.57	7.0	11.0
	1 1/2	1 5/8	1.625	1.360	0.746	2.11	8.0	16.9
	2	2 1/8	2.125	2.060	1.306	3.37	8.0	26.9
	2 1/2	2 5/8	2.625	2.920	2.018	4.94	9.0	44.4
	3	3 1/8	3.125	4.000	2.876	6.88	10.0	68.8
	3 1/2	3 5/8	3.625	5.120	3.900	9.02	11.0	99.2

Steel Pipe	Tube size (NPS)	Actual outside diameter		Tube weight per foot	Water weight per foot	Total weight per foot Tube & Water	Tube support spacing for horizontal runs (ref. MSS SP-58)	Weight per clamp at recommended support spacing
ANSI Schedule 40	inches	inches		lb/ft	lb/ft	lb/ft	ft	lb
	1/2		0.84	0.85	0.131	0.98	7.0	6.9
	3/4		1.05	1.13	0.234	1.36	7.0	9.6
	1		1.32	1.68	0.382	2.06	7.0	14.4
	1 1/4		1.66	2.27	0.648	2.92	7.0	20.4
	1 1/2		1.9	2.72	0.871	3.59	9.0	32.3
	2		2.38	3.65	1.472	5.12	10.0	51.2
	2 1/2		2.88	5.79	2.093	7.88	11.0	86.7
	3		3.5	7.58	3.187	10.77	9.0 (12)	96.9
	4		4.50	10.79	5.510	16.30	9.0 (14)	146.7
	6		6.63	18.97	12.510	31.48	9.0 (17)	283.3

Usage Recommendations

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

Full technical information and installation instructions should be obtained directly from Gripple. or via the website www.gripple.com.

Please adhere to the following usage recommendations:



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



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



Storing
Do not store the product outdoors.

Quality & Approvals

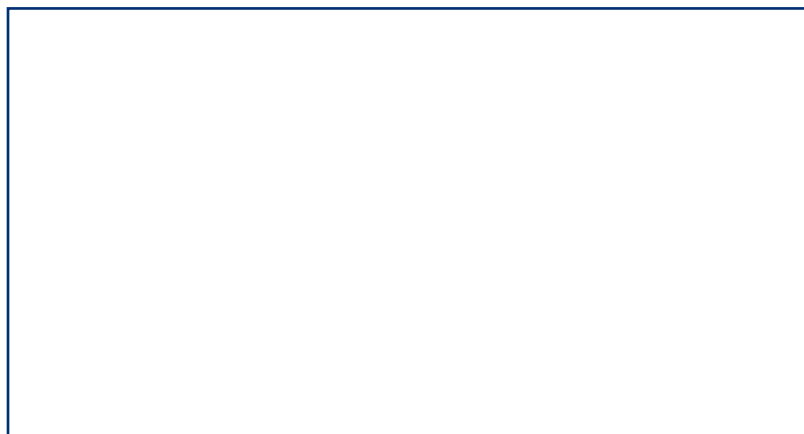
Gripple is ISO 9001:2008 and ISO 14001 certified. Gripple products meet the highest standards of quality, with the lowest environmental impact. Gripple products hold the following approvals, certifications, and verifications:



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



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A GLIDE company



BUS-BROC-BUS-ENG-2959

Published January 2020

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product information.



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