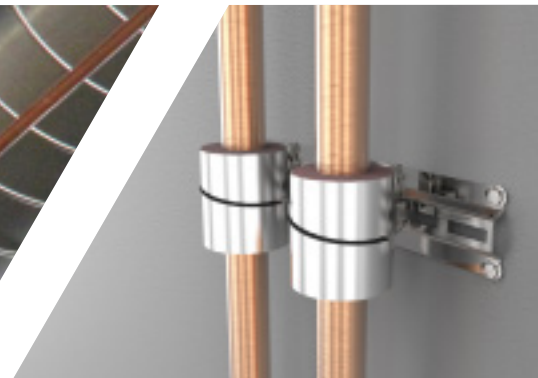




# Pipework Solutions

For the comprehensive installation of pipework



- Quick and easy to install
- Suitable for all pipework applications
- Saves labour, time and costs on-site



HEATING, VENTILATION, PLENUM BOXES, CHILLED BEAMS, OVAL, SPIRAL & RECTANGULAR DUCTWORK, COLD ROOMS, AIR CONDITIONING UNITS, MECHANICAL, PIPEWORK, CABLE LADDER BASKET & TRAY, STRIP LIGHTING, LUMINAIRE, TRUNKING, BUSBAR, CATENARIES, SHOPFITTING, SIGNAGE, ACOUSTIC BAFFLES, SUSPENDED CEILINGS, BRACING.

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# About Gripple

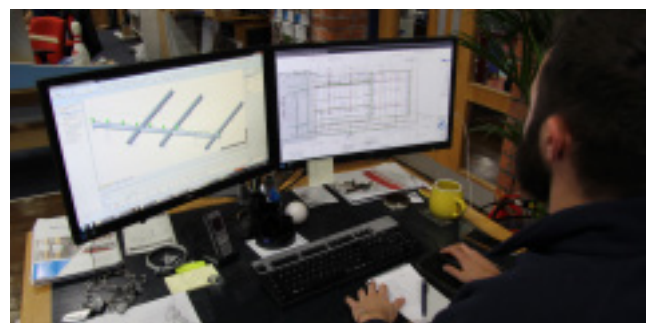
With an over 500 strong Gripple team working worldwide, we are experts in suspension solutions for Pipework, HVAC, M&E, modules, lighting, acoustics and signage. Our facilities in Sheffield enable us to offer a flexible, reactive service to find a solution to your problem, and deliver it quickly.



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

## From contractors to consultants, we offer:

- Suspension System Installation Design Service – we'll advise on what you need and where
- BIM solutions
- Environmental Impact Studies
- CAD drawings
- On-site visits to assess installations and discuss potential solutions
- Product training – for specific installations or for the latest new products
- CPD presentations
- Regular on-site advice until job completion
- Next day delivery service to site



# What we do

## Time Savings

Save up to 85% on installation times when you choose to use one of Gripple's wire rope kits, when compared to traditional methods. Not only is the installation faster, no pre-work, such as cutting or filing is required.

## Health & Safety

Gripple kits are ready-to-use straight from the box, removing the need for potentially hazardous hot works and cutting on site. One box of Standard No. 2 kits weighs just 8 kg, doing the same job as 150 kg of threaded rod and channel. Not only is the weight and bulk of carry material reduced, but also the time spent working at height.

## CO<sub>2</sub> Savings

For every metre of Gripple wire rope specified to replace threaded rod, it is estimated that a saving of 1.2 kg of embodied CO<sub>2</sub> is made. This equates to a total embodied CO<sub>2</sub> saving of up to 95% when switching from threaded rod to Gripple wire rope.

## Aesthetics

Gripple kits are lightweight and virtually invisible. Comparing 2 mm wire rope to 8 mm threaded rod, the difference is easy to see. With a trend towards exposed services, Gripple kits enhance the workspace significantly – especially in retail environments.



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

LEADENHALL BUILDING, LONDON



# Products

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Universal Clamp  
Page 16



QT Compact Clamp  
& Low Profile Bracket  
Page 12 & 13



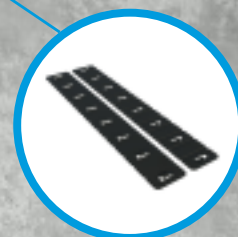
Wall Bracket  
Page 14



QT Universal Clamp  
& Universal Bracket  
Page 10 & 11



Insulation Collars  
Page 17



Spreader Band  
Page 21



QT Trapeze Plus  
Page 15

## Pipework Solutions

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

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

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



# QT Universal Clamp

The Quick Twist Universal Clamp is designed for use with Gripple Universal Brackets to provide quick and easy pipework installation.

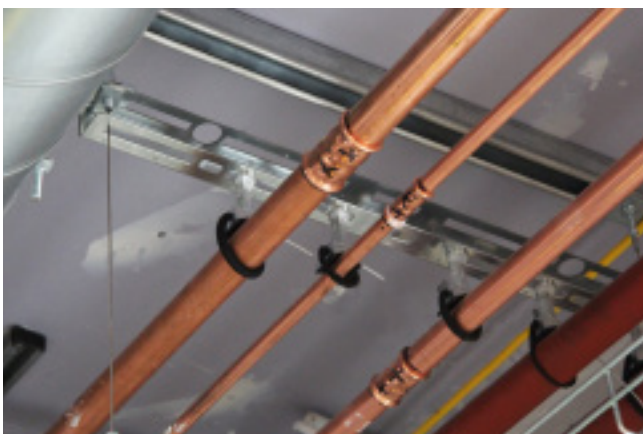
- **Quick** – integral mounting pillar and quarter turn attachment to Universal Brackets or Low Profile Brackets
- **Simple** – no tools required for installation
- **Universal** – replaces more than 13 different pipe rings
- **Insulation friendly** – 50 mm clearance between pipe and bracket to allow for insulation around the clamp. Alternatively, use with insulation collars or blocks to avoid thermal breaks
- **Safe** – 75 kg SWL with a 3:1 safety factor (see page 41 for details)
- **Ready-to-use** – supplied in kits with Gripple Brackets



# Universal Bracket

Gripple Universal Brackets are designed to be used with Gripple clamps and hangers for fast and easy installation of pipework.

- **Pre-cut** – eliminates cutting channel on site, allowing more productive use of labour
- **Multi-use** – two active faces allow for suspension of multiple services e.g. pipe on both faces, or pipe underneath with electrical containment or HVAC services on top
- **Versatile** – can be suspended from the soffit using threaded rod or Gripple Hangers e.g. QT Trapeze Plus
- **Quick** – Universal Brackets are supplied with Quick Twist Universal Clamps for fast, quarter turn attachment
- **Improves health and safety** – no tools or “Hot Works” permit required for installation



..... Pad Variants .....

Standard

- Rubber pad for insulation purposes
- 16 dBA reduction.

Large

- Improved fit for large dia. pipe
- Most suitable for 3" and above
- 16 dBA reduction.

Acoustic

- Designed to reduce noise related to water pressure.
- 23 dBA reduction.

..... Size Variants .....

240 mm

340 mm

640 mm

1040 mm

1240 mm

Bespoke lengths available on request

**End Fixings - Page 20**  
A wide selection of End Fixing options to suit your application requirements

**Product Codes - Page 22**  
Standard product codes for ordering Kits and Wire Rope Hangers

**Sales Enquiries**  
Call our friendly team on 0800 018 4264

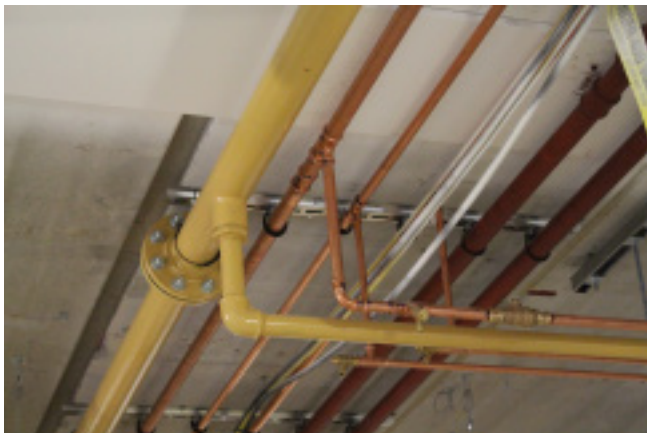
**Suspension System Installation Design Service**  
Submit your drawings and our technical team will provide bespoke product specification based on your project requirements. See page 40 for more information.



# QT Compact Clamp

A reduced height version of the Quick Twist Universal Clamp, for applications where space is restricted or mounting close to the soffit or wall is required.

- **Quick** – fast and easy quarter turn attachment to Universal Brackets or Low Profile Brackets
- **Simple** – no tools required for installation
- **Universal** – replaces more than 13 different pipe rings
- **Insulation friendly** – supplied with insulation collars or blocks to avoid thermal breaks
- **Safe** – 75 kg SWL with a 3:1 safety factor (see page 41 for details)
- **Ready-to-use** – supplied in kits with Gripple Brackets



# Low Profile Bracket

Developed for applications where pipework has to be mounted close the deck or wall.

- **Pre-cut** – eliminates cutting channel on site, allowing more productive use of labour
- **Versatile** – designed to be fixed directly to soffit or wall
- **Quick** – Low Profile Brackets are supplied with Quick Twist Universal Clamps or Quick Twist Compact Clamps for fast, quarter turn attachment
- **Improves health and safety** – no tools or “Hot Works” permit required for installation
- **Compact** – pipes can be mounted less than 35 mm from the deck



..... Pad Variants .....

Standard

- Rubber pad for insulation purposes
- 16 dBa reduction.

Large

- Improved fit for large dia. pipe
- Most suitable for 3” and above
- 16 dBa reduction.

Acoustic

- Designed to reduce noise related to water pressure.
- 23 dBa reduction.

..... Available Sizes .....

180 mm

350 mm

650 mm

950 mm

1200 mm

Bespoke lengths available on request

**End Fixings - Page 20**  
A wide selection of End Fixing options to suit your application requirements

**Product Codes - Page 22**  
Standard product codes for ordering Kits and Wire Rope Hangers

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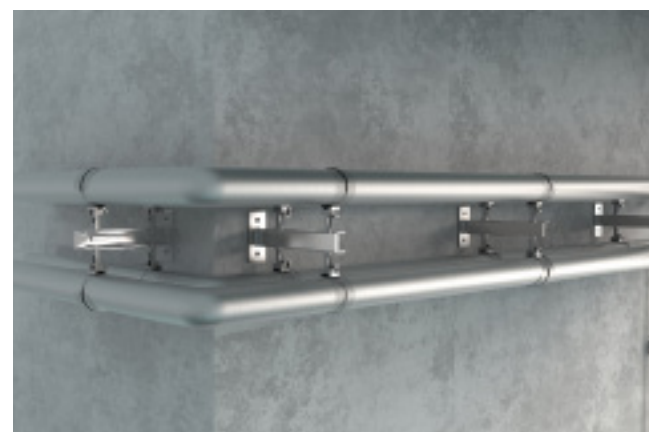


# Wall Bracket



Gripple Wall Brackets are designed for use in conjunction with Universal Brackets for the easy installation of wall mounted pipe.

- **Quick** – Gripple Universal Brackets are quickly fixed to Wall Brackets using supplied fixings
- **Strong** – designed to support piping when installed cantilevered and parallel to the wall
- **Complete System** – Wall Brackets are supplied with Universal Brackets and Quick Twist Universal Clamps featuring quarter turn attachment
- **Non-obstructive** – allows for full use of both faces of the bracket for multiple services
- **Versatile** – can be bolted directly to soffit or wall



# QT Trapeze Plus



When used with Universal Brackets and Gripple QT Universal Clamps, the QT Trapeze Plus offers the fastest method to suspend pipework on the market.

- **Fast** – quarter turn attachment to Universal Bracket for fast and easy installation
- **Simple** – easy-to-use integral adjustment button ensures perfect levelling
- **Secure** – lock screw secures wire for ultimate security
- **Safe** – fail safe clip to secure into bracket - prevents unexpected movement
- **Strong** – up to 90 kg SWL with a 3:1 safety factor
- **Versatile** – mechanically fixed variants allow for use with standard channel



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

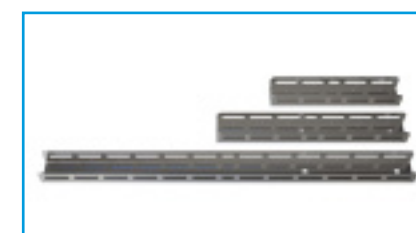


## Available Sizes

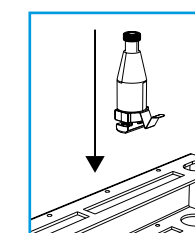
240 mm	340 mm	440 mm	Brackets longer than 440 mm require secondary suspension from deck at unsupported end. See pages 15 and 18 for Trapeze options.
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## Compatibility

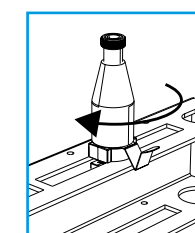
All Universal Brackets



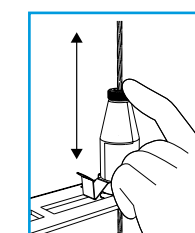
1



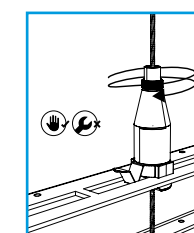
2



3



4



## End Fixings - Page 20

A wide selection of End Fixing options to suit your application requirements

## Product Codes - Page 22

Standard product codes for ordering Kits and Wire Rope Hangers

## Sales Enquiries

Call our friendly team on 0800 018 4264

## Suspension System Installation Design Service

Submit your drawings and our technical team will provide bespoke product specification based on your project requirements. See page 40 for more information.



# Universal Clamp

Engineered for hanging all types of pipe, either in conjunction with Gripple Brackets or channel, or alternatively for suspension of single pipe runs.

- **Universal** – replaces more than 13 different pipe ring sizes
- **Safe** – 75 kg SWL with a 3:1 safety factor (see page 41 for details)
- **Versatile** – for pipe sizes 15 mm copper to 6" steel
- **Anti-vibration** – rubber pad and nylon sleeve provide insulation against vibration and reduces noise
- **Insulation friendly** – use with insulation collars or blocks to avoid thermal breaks
- **Flexible** – ideal for multiple or single pipe runs, using threaded rod or M8 loop adaptor



# Insulation Collars

To complement Gripple Clamps, Kooltherm® and Armaflex pipe collars provide rapid installation and ensure insulation continuity without thermal breaks.

- **Quick** – fast to install and prevents the need for clamps to be released later for insulation
- **Efficient** – full insulation can simply be adjoined at each side once the pipe is fully installed
- **Versatile** – suitable for hot and cold pipe (mild steel, stainless steel, copper and plastic) in a range of sizes and thicknesses
- **High performance** – reduced heat loss and highly moisture resistant



..... Pad Variants .....

Standard

- Rubber pad for insulation purposes
- 16 dBa reduction.

Large

- Improved fit for large dia. pipe
- Most suitable for 3" and above
- 16 dBa reduction.

Acoustic

- Designed to reduce noise related to water pressure.
- 23 dBa reduction.

..... Thermal Efficiency .....		..... Thermal Conductivity .....	
Kooltherm®	-50°C to +120°C	Kooltherm®	0.021 W/m·K at 10°C
Armaflex	-183°C to +105°C	Armaflex	0.036 W/m·K at 10°C

**End Fixings - Page 20**  
A wide selection of End Fixing options to suit your application requirements

**Product Codes - Page 22**  
Standard product codes for ordering Kits and Wire Rope Hangers

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**Suspension System Installation Design Service**  
Submit your drawings and our technical team will provide bespoke product specification based on your project requirements. See page 40 for more information.



# Trapeze and Trapeze Plus

Purpose-made hanger that can be used with either channel or Universal Brackets for fast suspension of pipework and other building services.

- **Simple** – tool free adjustment for rapid height setting
- **Versatile** – provides quick and easy installation of multi-tiered installations
- **Improves health and safety** – can be pre-fitted to channel or Gripple Brackets to reduce time working at height
- **Safe** – available in three sizes, with working load limit up to 225 kg, with a 5:1 safety factor (3:1 Trapeze Plus range)



**Coming Soon** – The next generation of Trapeze hangers with even greater flexibility and added value features

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



## Available Sizes

No. 2	Trapeze No. 3	No. 4	No. 2	Trapeze Plus No. 3	No. 4
45 kg	90 kg	225 kg	45 kg	90 kg	225 kg

### End Fixings - Page 20

A wide selection of End Fixing options to suit your application requirements

### Product Codes - Page 22

Standard product codes for ordering Kits and Wire Rope Hangers

### Sales Enquiries

Call our friendly team on 0800 018 4264

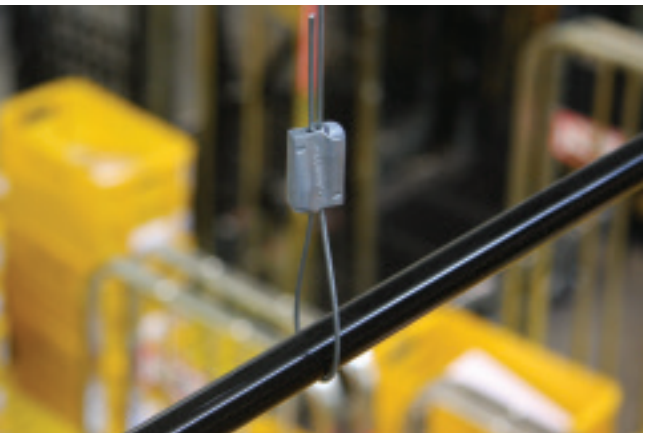
# Express and Standard Hangers

The Standard and Express hangers are an ideal solution to fulfil a variety of pipework suspension requirements.

- **Quick** – up to 6 times faster to install than traditional suspension systems
- **Simple** – replaces threaded rod, no more sawing, filing and fixing nuts
- **Versatile** – supplied with a range of end fixings depending on install method
- **Safe** – lightweight and industry approved
- **Strong** – load ratings up to 325 kg with a 5:1 safety factor
- **Adjustable** – using buttons on Express, or with supplied key for Standard Hanger



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



## Available Sizes

No. 2	No. 3	No. 4	No. 5	Express No. 2
45 kg	90 kg	225 kg	325 kg	45 kg

### Suspension System Installation Design Service

Submit your drawings and our technical team will provide bespoke product specification based on your project requirements. See page 40 for more information.



# End Fixings

All Gripple hanger kits are supplied with pre-crimped end fixings and your choice of wire rope length, suitable for installation into any substrate.



## Loop

- Ideal for looping around purlins, beams, roof trusses and other suitable building features
- Available up to 325 kg SWL, with a 5:1 safety factor
- Available in Stainless Steel



## Stud

- Ideal for anchoring into concrete ceilings
- Supplied with a Drop-in Anchor
- Available up to 225 kg SWL, with a 5:1 safety factor
- Available in Stainless Steel



## Snap Hook

- Quick and easy attachment to cable basket, purlin clips, light fittings
- Available in Gripple sizes No.2 and No.3 up to 90 kg SWL, with a 5:1 safety factor



## Toggle

- Available up to 90 kg SWL, with up to a 5:1 safety factor
- Comes as a complete kit with Gripple wire rope and hanger
- Available in Stainless Steel



## 90° Eyelet

- Ideal for fixing into concrete, steel or wood using gas or powder activated tools or appropriate screws
- Available in Gripple sizes No.1, No.2 and No.3 up to 90 kg rated at 5:1 SWL



## Shot Fire

- Six times faster than traditional methods (drilling and anchoring)
- Can be used with gas and powder fastening tools (DX460)
- Quick and easy fastening solution
- Available in two sizes up to 45 kg load and in lengths from 1 to 3 m (other lengths available on request)



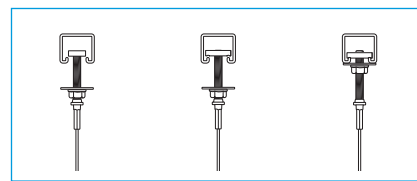
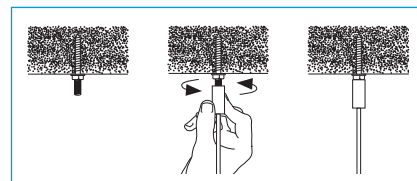
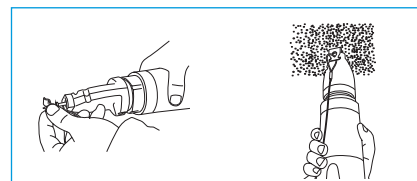
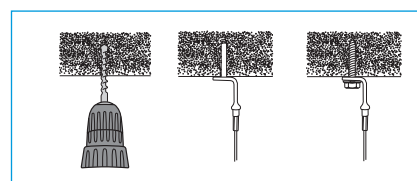
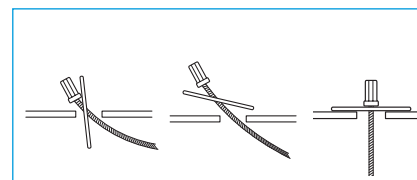
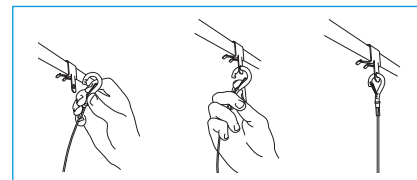
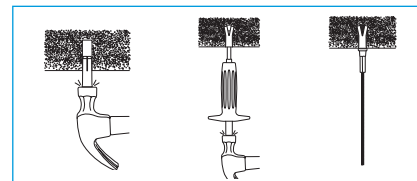
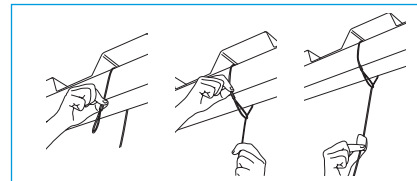
## Barrel

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



## Channel nut

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



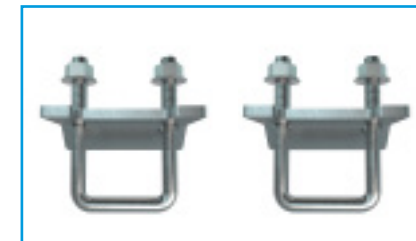
# Accessories



## Wall Bracket

- Used to support piping when installed cantilevered and parallel to the wall
- Allows for full use of both faces of the bracket for multiple services
- Can be bolted directly to soffit or wall

Product code: WALL-BRACKET-SMALL • WALL-BRACKET-MEDIUM • WALL-BRACKET-LARGE



## Beam Clamps

- Allows brackets to be fixed directly to beams for pipe runs close to the deck
- Robust, mild steel construction
- Compatible with all Gripple Universal Brackets

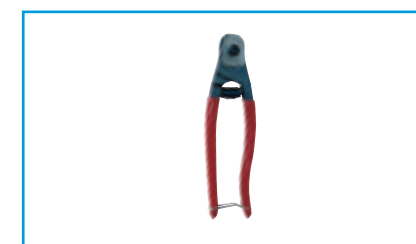
Product code: PB-BEAM-CLAMP • PB-BEAM-CLAMP-2P



## Adjustment Keys

- Used for adjusting diameter on Gripple Pipe Clamp range
- Also suitable for adjusting the Gripple Hanger height (pre-load)

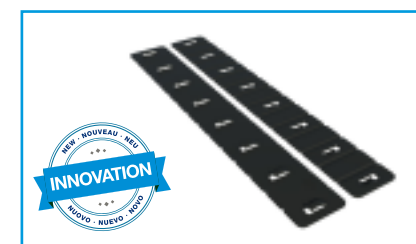
Product code: KEY-FLAG



## Wire Cutters

- Hardened, durable jaws
- Pocket size for use up to 3 mm diameter wire rope
- Perfect for final cut of excess wire

Product code: CUTTER-GRIPPLE, CUTTER-6MM



## Spreader Band

- Spreads load of insulated and PVC pipe over wider band
- Ideal for use with insulated and non-insulated pipe and is suitable for use with 2 mm and 3 mm wire
- Supplied in 300 mm lengths, multiple units can be used in conjunction for larger diameter pipe (if required)

Product code: SPREADER-BAND



## M8 Loop Adaptor

- Ideal for use with Gripple Universal Clamp for single pipe suspensions
- Screws easily into Gripple Universal Clamp
- Can be supplied pre-assembled on request

Product code: ADP-M8




# Pipework Kit Codes


How to work out your unique product code:

1


CHOOSE YOUR UNIVERSAL OR LOW PROFILE BRACKET




Universal Bracket  
240 mm  
PB240




Universal Bracket  
340 mm  
PB340




Universal Bracket  
440 mm  
PB440




Universal Bracket  
540 mm  
PB540




Universal Bracket  
640 mm  
PB640




Universal Bracket  
740 mm  
PB740




Universal Bracket  
840 mm  
PB840




Universal Bracket  
940 mm  
PB940




Universal Bracket  
1040 mm  
PB1040




Universal Bracket  
1140 mm  
PB1140




Universal Bracket  
1240 mm  
PB1240




Low Profile Bracket  
180 mm  
LPB180




Low Profile Bracket  
350 mm  
LPB350



Low Profile Bracket  
650 mm  
LPB650



Low Profile Bracket  
950 mm  
LPB950



Low Profile Bracket  
1200 mm  
LPB1200

2

CHOOSE YOUR CLAMP QUANTITY

2

3

4

5


6

7


8

3


CHOOSE YOUR TYPE OF CLAMP



QT Universal Clamp  
T



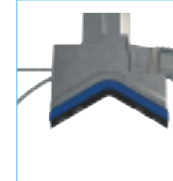
QT Compact Clamp  
C



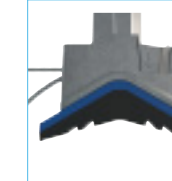
Universal Clamp  
I

4

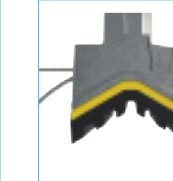
CHOOSE YOUR FOOT VARIANT



Standard  
-



Large  
L



Acoustic  
A

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

-

G

C

2

-

-

4

0

0

-

BRACKET

CLAMP QUANTITY

TYPE OF CLAMP

WIRE LENGTH (MM)


FOOT VARIANT

# Hanger Kit Codes


Standard product codes for Gripple hangers:

1


CHOOSE YOUR PRODUCT




Trapeze No. 2  
TZ2




Trapeze No. 3  
TZ3




Trapeze No. 4  
TZ4




QT Trapeze Plus  
No. 2  
MTZ2




QT Trapeze Plus  
No. 3  
MTZ3




Standard Hanger  
No. 2  
HF2




Standard Hanger  
No. 3  
HF3



Standard Hanger  
No. 4  
HF4




Standard Hanger  
No. 5  
HF5




Express No. 2  
XP2

2


CHOOSE YOUR END FIXING




Loop  
LG




Stud - M8 x 45 mm  
S8G\*




Snap Hook  
HG




Toggle  
TG




90° Eyelet  
EY906G\*




SHOTFIRE  
DX16, DX22, DX27




Spider  
STG



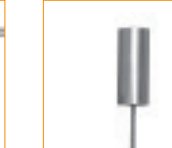
MDI  
MDI




C-Clip 3 mm  
CC3



C-Clip 6 mm  
CC6



Barrel  
B6G\*



Channel Nut  
CN8G

3

CHOOSE YOUR WIRE LENGTH

1M

2M

3M

4M

5M

10M

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

-

-

\*

PRODUCT

END FIXING

WIRE LENGTH (MM)

\*Stud available in M6, M8 or M10. Barrel available in M6 or M8. Please substitute the (\*) for the size required when ordering, e.g. - S6G for an M6 Stud.



# Technical

QT Universal Clamp	page 26
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Universal Clamp	page 30
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Trapeze	page 33
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# QT Universal Clamp

The QT Universal Clamps are used in conjunction with Gripple Universal Brackets or Low Profile Brackets for quick and easy support of all types of pipework within mechanical and plumbing services.

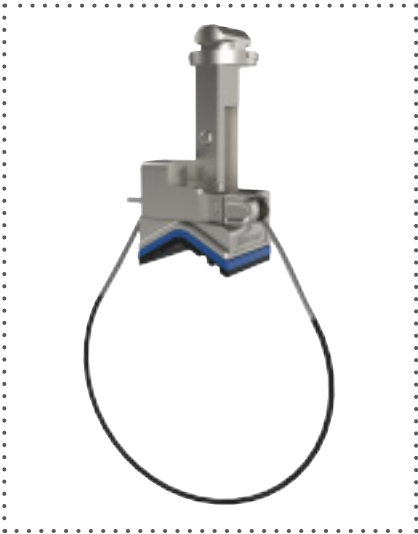
**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – designed for suspension and securing of pipework from 15 mm copper to 6" steel, with or without the use of insulation. Retractable nylon sleeves is pre-fitted to prevent galvanic corrosion and rubber pad aids noise reduction.

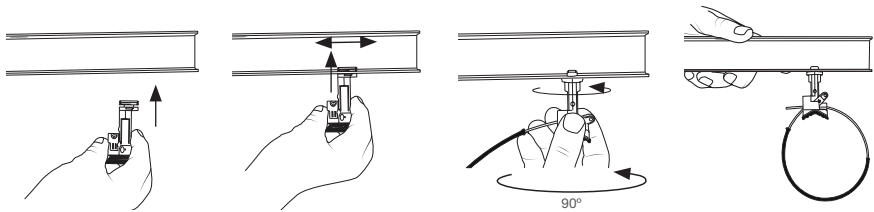
**Load Rating** – 75 kg (3:1 safety factor).

**Approvals**

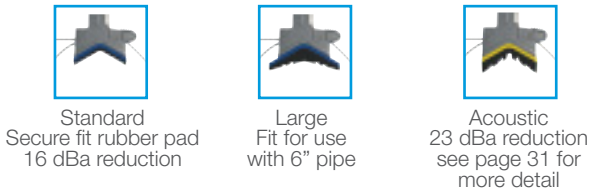
- Lloyds certified
- Load tested by Element Materials Technology (ISO 17025)
- IGN sound level testing conducted by Fraunhofer institute for building physics
- TUV tested
- APAVE tested



## INSTALLATION



## AVAILABLE PADS

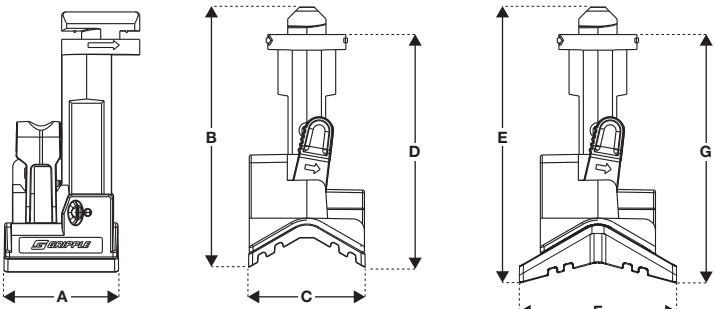


## SUBMITTAL INFORMATION

**Material:**  
**Housing** - Type ZA2 Zinc  
**Wedge** - Sintered steel hardened to min. 56 Rockwell C  
**Spring** - Stainless Steel (Type 302)  
**Pad** - EPDM 4015 Shore A

**Wire Rope Specification:**  
**Diameter** - 2 mm  
**Length** - 400 or 600 mm (Bespoke lengths available on request)  
**Construction** - 7x7  
**Tensile strength** - 1770 N/mm2  
**Material** - Galvanised steel  
Conforms to EN 123485 standard

## SPECIFICATION



Dimension	A	B	C	D	E (Large Pad)	F (Large Pad)	G (Large Pad)
Size (mm)	68.5	30	29.5	52	73.5	40	57

## RELATED PRODUCTS



Universal Bracket  
(Page 27)



Low Profile Bracket  
(Page 29)



Insulation Collars  
(Page 36)

# Universal Bracket

Universal Brackets are designed for quick and easy support of pipework and other services.

**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – designed as the dedicated bearer for suspension and securing of pipework from 15 mm copper to 6" steel, when used with QT Universal or QT Compact Clamps.

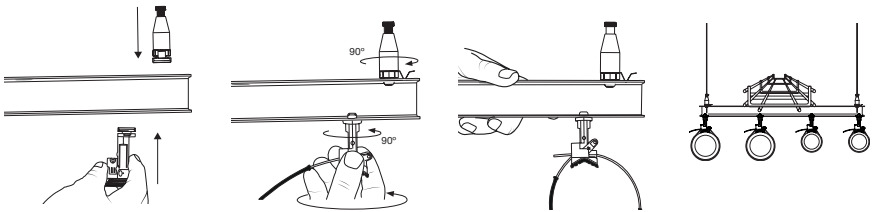
**Load Rating** – see specification table below.

**Approvals**

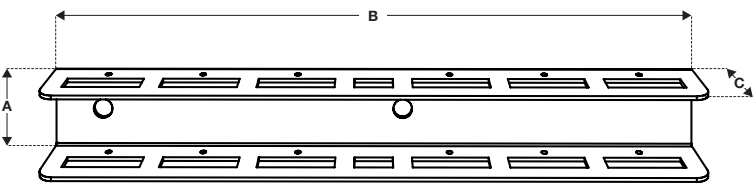
- Lloyds certified
- Load tested by Element Materials Technology (ISO 17025)
- Fire Tested by Building Research Establishment (BRE)
- TUV tested
- APAVE tested



## INSTALLATION



## SPECIFICATION



	A (mm)	B (mm)	C (mm)	Recommended Max. Distance Between Suspensions	Max Single Point Load P	Max Uniform Load (UDL)
PB240	43	240	35	210 mm	75 kg	150 kg
PB340	43	340	35	310 mm	75 kg	150 kg
PB640	43	640	35	610 mm	75 kg	150 kg
PB1040	43	1040	35	1010 mm	75 kg	150 kg
PB1240	43	1240	35	1210 mm	75 kg	150 kg

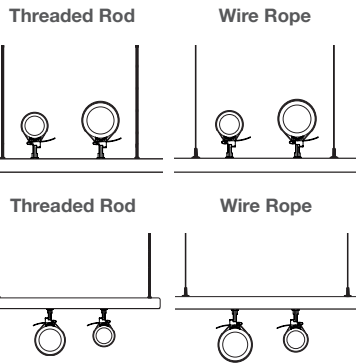
Other lengths available on request.

Single Point Load Clamp in a single location	Max Bracket Load Maximum load across the bracket

## SUBMITTAL INFORMATION

**Material:**  
BS EN 10346:2009 DX51D (Mild Steel)

## MOUNTING CONCEPTS



## RELATED PRODUCTS



Beam Clamp  
(Page 35)



Wall Bracket  
(Page 34)



# QT Compact Clamp

QT Compact Clamps are used in conjunction with Low Profile Brackets or Gripple Universal Brackets for quick and easy support of all types of pipework within mechanical and plumbing services.

**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – designed for suspension and securing of pipework from 15 mm copper to 6” steel, with or without the use of insulation. Retractable nylon sleeves is pre-fitted to prevent galvanic corrosion and rubber pad aids noise reduction .

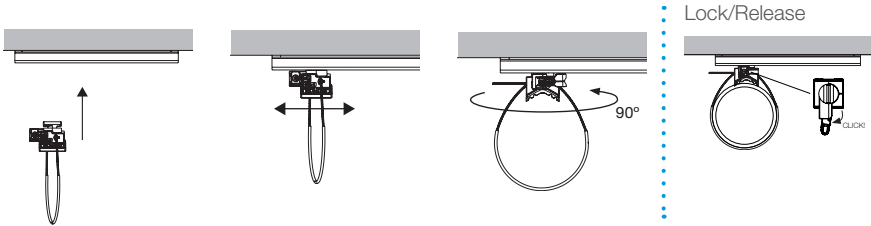
**Load Rating** – 75 kg (3:1 safety factor).

**Approvals**

- Lloyds certified
- Load tested by Element Materials Technology (ISO 17025)
- IGN sound level testing conducted by Fraunhofer institute for building physics
- TUV tested
- APAVE tested



## INSTALLATION



## AVAILABLE PADS

Standard  
Secure fit rubber pad  
16 dBA reduction

Large  
Fit for use  
with 6” pipe

Acoustic  
23 dBA reduction  
see page 31 for  
more detail

## SUBMITTAL INFORMATION

**Material:**  
**Housing** - Type ZA2 Zinc  
**Wedge** - Sintered steel hardened to min. 56 Rockwell C  
**Spring** - Stainless Steel (Type 302)  
**Pad** - EPDM 4015 Shore A

**Wire Rope Specification:**  
**Diameter** - 2 mm  
**Length** - 400 or 600 mm (Bespoke lengths available on request)  
**Construction** - 7x7  
**Tensile strength** - 1770 N/mm2  
**Material** - Galvanised steel  
Conforms to EN 123485 standard

## SPECIFICATION

Dimension	Size (mm)
A	56
B	29.5
C	22
D	30
E (Large Pad)	27
F (Large Pad)	40

## RELATED PRODUCTS

Universal Bracket  
(Page 27)

Low Profile Bracket  
(Page 29)

Insulation Collars  
(Page 36)

# Low Profile Bracket

Low Profile Brackets are supplied with QT Compact Clamps for quick and easy support of pipework within mechanical and plumbing services.

**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – low Profile Brackets are fixed directly to the deck or wall and allow for suspension and securing of pipework from 15 mm copper to 6” steel only 35 mm from, when used with QT Compact Clamps. Brackets are fixed directly to the deck or wall.

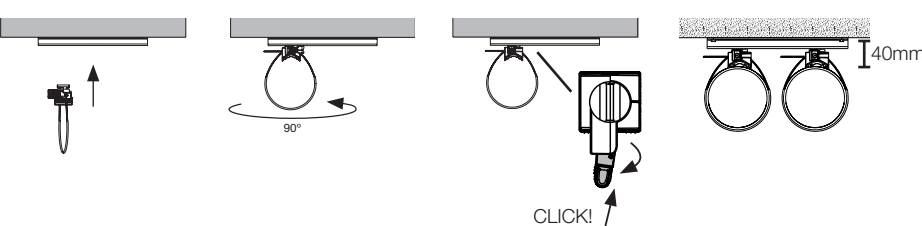
**Load Rating** – see specification table below.

**Approvals**

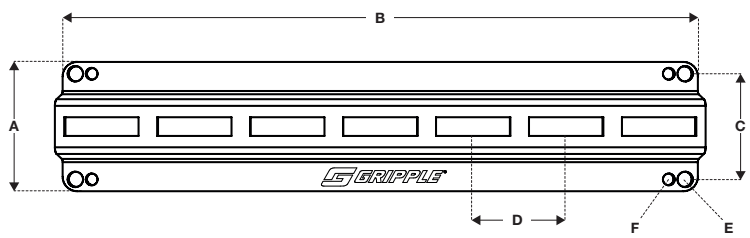
- Lloyds certified
- Load tested by Element Materials Technology (ISO 17025)
- Fire Tested by Building Research Establishment (BRE)
- TUV tested
- APAVE tested



## INSTALLATION



## SPECIFICATION



	A (mm)	B (mm)	C (mm)	D (mm)	E (Ø)	F (Ø)	Recommended Max. Distance Between Suspensions	Max Single Point Load P	Max Uniform Load (UDL)
LPB180	78	180	58	50	8.5	6.5	165 mm	75 kg	150 kg
LPB350	78	350	58	50	8.5	6.5	335 mm	75 kg	150 kg
LPB650	78	650	58	50	8.5	6.5	635 mm	75 kg	150 kg
LPB950	78	950	58	50	8.5	6.5	620 mm	75 kg	150 kg
LPB1200	78	1200	58	50	8.5	6.5	590 mm	75 kg	150 kg

Other lengths available on request.

Single Point Load  
Clamp in a single location

Max Bracket Load  
Maximum load across the bracket

## SUBMITTAL INFORMATION

**Material:**  
BS EN 10346:2009 DX51D (Mild Steel)

## RELATED PRODUCTS

QT Universal Clamp  
(Page 26)

QT Compact Clamp  
(Page 28)

Insulation Collars  
(Page 36)



# Universal Clamp

The Universal Clamp is engineered for hanging all types of pipework within mechanical and plumbing services.

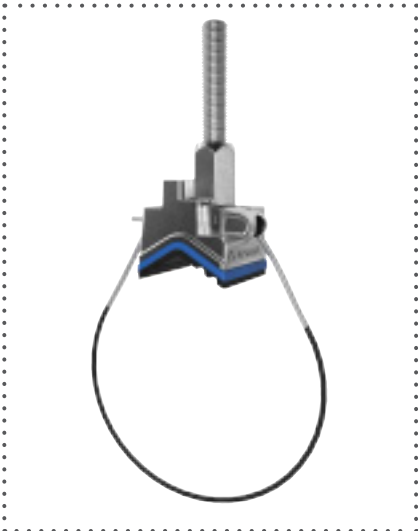
**Function** – the installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – designed for suspension and securing of pipework from 15 mm copper to 6” steel, with or without the use of insulation. Retractable nylon sleeves is pre-fitted to prevent galvanic corrosion and rubber pad aids noise reduction.

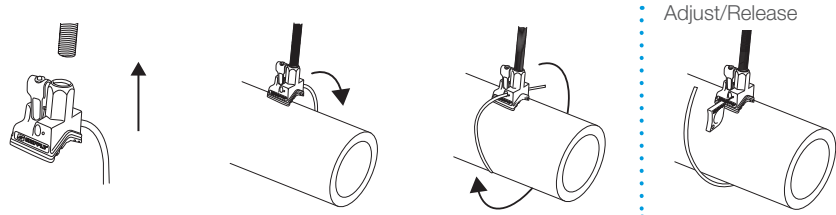
**Load Rating** – 75 kg (3:1 safety factor).

**Approvals**

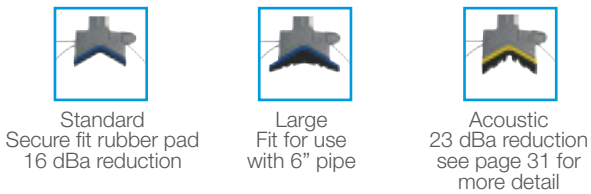
- Lloyds certified
- Load tested by Element Materials Technology (ISO 17025)
- IGN sound level testing conducted by Fraunhofer institute for building physics
- TUV tested
- APAVE tested



## INSTALLATION



## AVAILABLE PADS

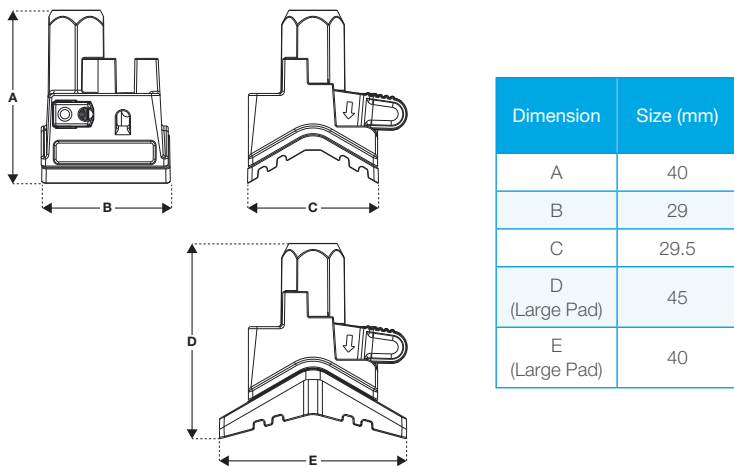


## SUBMITTAL INFORMATION

**Material:**  
**Housing** - Type ZA2 Zinc  
**Wedge** - Sintered steel hardened to min. 56 Rockwell C  
**Spring** - Stainless Steel (Type 302)  
**Pad** - EPDM 4015 Shore A

**Wire Rope Specification:**  
**Diameter** - 2 mm  
**Length** - 400 or 600 mm (Bespoke lengths available on request)  
**Construction** - 7x7  
**Tensile strength** - 1770 N/mm2  
**Material** - Galvanised steel  
Conforms to EN 123485 standard

## SPECIFICATION



## RELATED PRODUCTS



# Acoustic Clamp

The Gripple Acoustic Clamp range possesses all the benefits of the standard product, but with significant acoustic reduction qualities makes it ideal for hospital/theatre pipework installation.

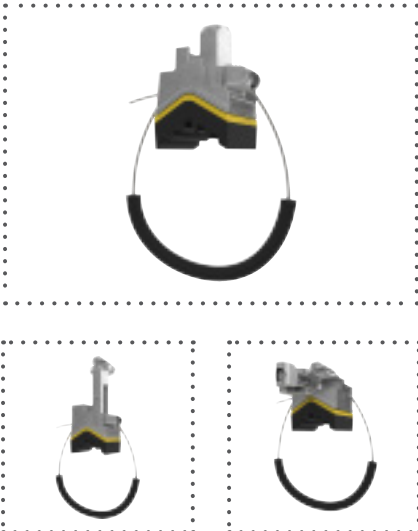
**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – designed for suspension and securing of pipework from 15 mm copper to 6” steel, with or without the use of insulation. Pre-fitted rubber sleeve and rubber pad facilitates market leading noise reduction.

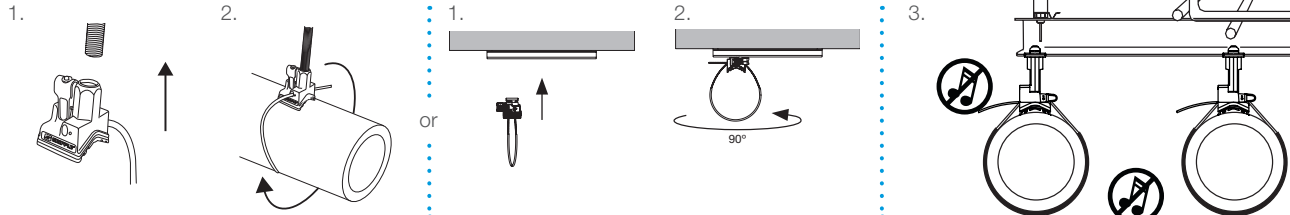
**Load Rating** – 75 kg (3:1 safety factor).

**Approvals**

- Lloyds certified
- IGN sound level testing conducted by Fraunhofer institute for building physics
- TUV tested
- APAVE tested



## INSTALLATION



## AVAILABLE CLAMPS

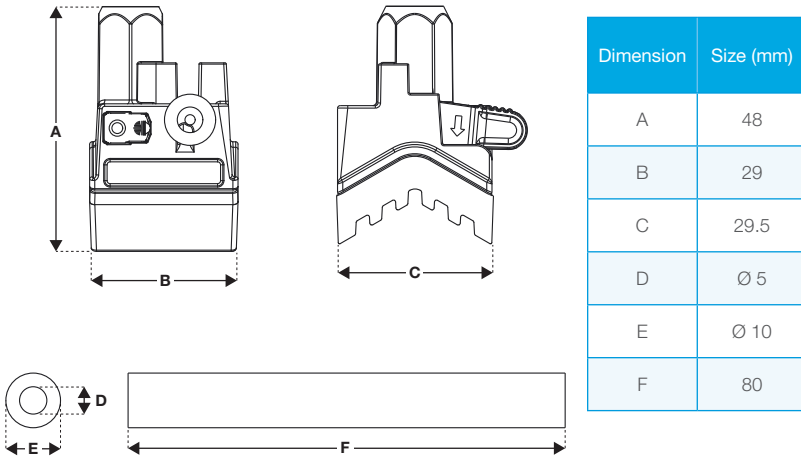


## SUBMITTAL INFORMATION

**Material:**  
**Housing** - Type ZA2 Zinc  
**Wedge** - Sintered steel hardened to min. 56 Rockwell C  
**Spring** - Stainless Steel (Type 302)  
**Pad** - EPDM 4015 Shore A  
**Rubber Sleeve** - EPDM 4015 Shore A

**Wire Rope Specification:**  
**Diameter** - 2 mm  
**Length** - 400 or 600 mm (Bespoke lengths available on request)  
**Construction** - 7x7  
**Tensile strength** - 1770 N/mm2  
**Material** - Galvanised steel  
Conforms to EN 123485 standard

## SPECIFICATION



## RELATED PRODUCTS





# QT Trapeze Plus

An innovative extension to the Trapeze range, featuring quick twist attachment to Gripple Universal Brackets, delivering the fastest method of installing suspended pipe.

**Function** – the fast suspension and adjustment of Gripple Universal Brackets using wire rope as an alternative to threaded rod, for single or multi-tiered suspensions.

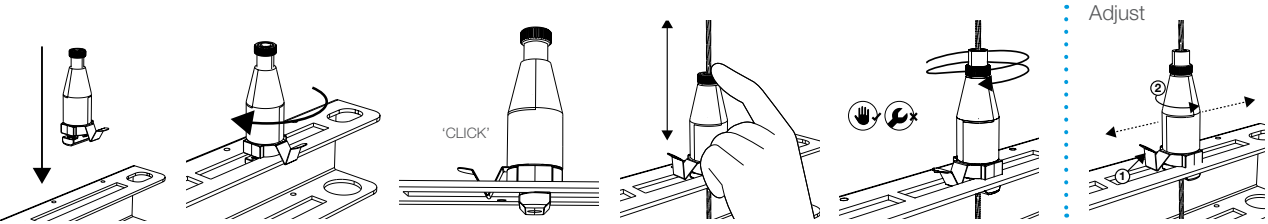
**Application** – ideal for suspending & supporting pipework and other services when used with Gripple Universal Brackets and QT Universal Clamps, or alternatively with lengths of channel/strut and traditional pipe clamps.

**Load Rating** –  
No. 2 45 kg (3:1 safety factor)  
No. 3 90 kg (3:1 safety factor).

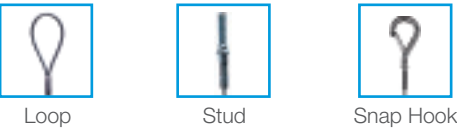
**Approvals**  
• Lloyds certified



## INSTALLATION



## AVAILABLE END FIXINGS

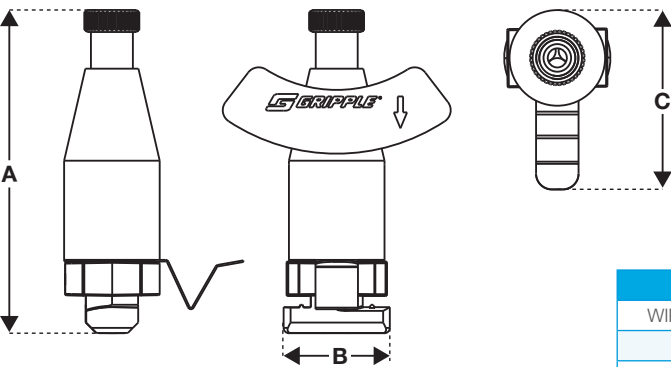


For more options on available end fixings please contact us or visit: [www.gripple.com](http://www.gripple.com)

## SUBMITTAL INFORMATION

**Material:**  
Carriage - Mild Steel (Type EN1A) - Bright Zinc Plated  
Balls - Grade 40 Chrome Steel  
Spring - Stainless Steel (Type 302)  
Locking nut - (knurled) Mild Steel (Type EN1A) - Bright Zinc Plated  
Housing - Mild Steel (Type EN1A) - Bright Zinc Plated  
Twist-fit Adapter - Zinc Alloy (EN 12844 ZP2)  
Twist-fit Spring Clip - Stainless Spring Steel BS5770 301 S21

## SPECIFICATION



Note: No. 2 and No. 3 products are differentiated by supplied wire diameters & load ratings.

Dimension	No. 2 (mm)	No. 3 (mm)
WIRE DIAMETER	2	3
A	30	61
B	29.5	20
C	52	34

# Trapeze

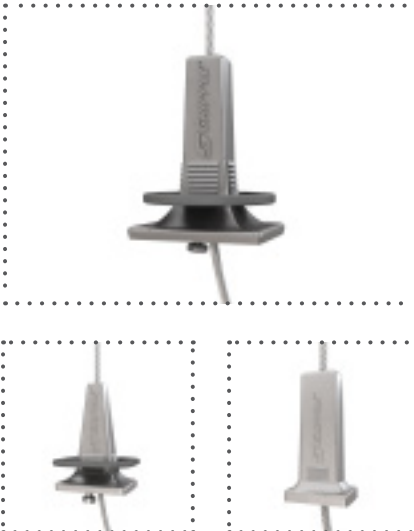
Ideal for use with Gripple Universal Brackets for single and multi-tiered suspension of piping and other services.

**Function** – the fast suspension and adjustment of Gripple Universal Brackets or traditional strut/channel using wire rope as an alternative to threaded rod, for single or multi-tiered suspensions.

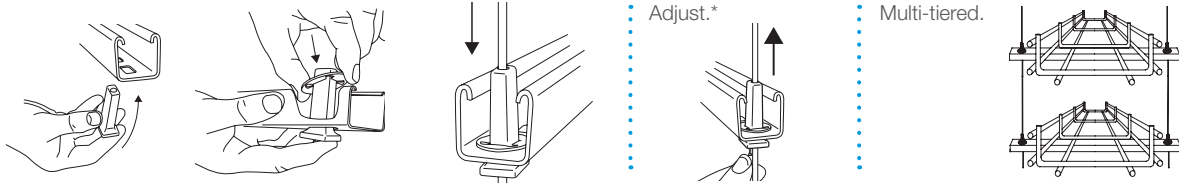
**Application** – ideal for suspending & supporting pipework and other services when used with Gripple Universal Brackets and QT Universal Clamps, or alternatively with lengths of channel/strut and traditional pipe clamps.

**Load Rating** –  
No. 2 – 45 kg @ 5:1  
No. 3 – 90 kg @ 5:1  
No. 4 – 225 kg @ 5:1

**Approvals**  
• Lloyds certified  
• Load tested by Element Materials Technology (ISO 17025)  
• TUV tested  
• APAVE tested

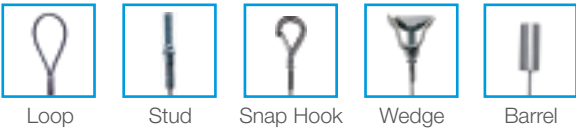


## INSTALLATION



The retainer pre-fits and holds the Trapeze onto the channel. In preparation for working at height, simply clip onto the channel with the Trapeze. Ensure a minimum 75 mm of tail wire exits the hanger. \*Remove load before adjustment.

## AVAILABLE END FIXINGS

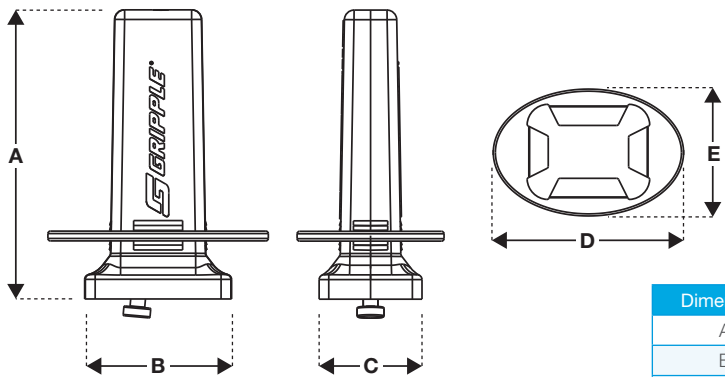


For more options on available end fixings please contact us or visit: [www.gripple.com](http://www.gripple.com)

## SUBMITTAL INFORMATION

**Material:**  
Housing - Type ZA2 Zinc  
Wedge - Sintered steel hardened to min. 56 Rockwell C  
Spring - Stainless Steel (Type 302)  
End Cap - UV stabilised homopolymer propylene  
Pin - A2 Stainless Steel  
Retainer - Acetal copolymer

## SPECIFICATION



Dimension	No. 2 (mm)	No. 3 (mm)	No. 4 (mm)
A	37.5	43	43
B	27.5	30	30
C	20.8	22	22
D	28	33	45
E	26	31	30

# Wall Bracket

Gripple Wall Brackets are designed for use in conjunction with Universal Brackets for the easy installation of wall mounted pipe and electrical services.

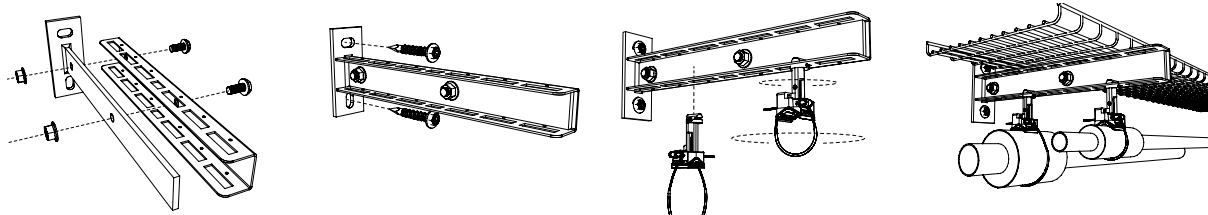
**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – ideal for use with Gripple Universal Brackets and QT Universal Clamps for easy installation of wall mounted, cantilevered pipework and other services.

**Load Rating** – please refer to Universal Bracket load ratings (page 27).



## INSTALLATION



\* Fixings to wall supplied separately

## RECOMMENDED FIXINGS

Suitability of fixings to substrate is the responsibility of the contractor. Consideration should be taken regarding the strength/robustness of the substrate.

### M8 - M12 Concrete Expansion Anchor Drop-In Anchor and M8-M12 fixings

For more information on fixing methods contact the technical team or visit [www.gripple.com](http://www.gripple.com)

## SUBMITTAL INFORMATION

**Load Rating:**  
75 kg single point load  
150 kg max bracket load

**Material:**  
BS EN 10346:2009 DX51D (Mild Steel)

## RELATED PRODUCTS



QT Universal Clamp  
(Page 26)

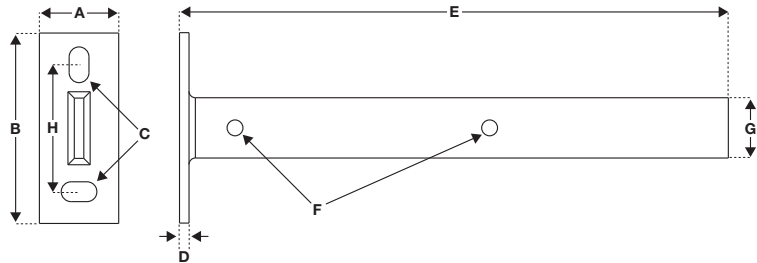


QT Compact Clamp  
(Page 28)



Insulation Collars  
(Page 36)

## SPECIFICATION



Length (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
240	50	120	Ø 12.5	6	246	Ø 10	38	80
340	50	120	Ø 12.5	6	346	Ø 10	38	80
440	50	120	Ø 12.5	6	446	Ø 10	38	80

# Universal Bracket Beam Clamps

Designed for use with Gripple Universal Brackets for fixing directly to steel I-Beams.

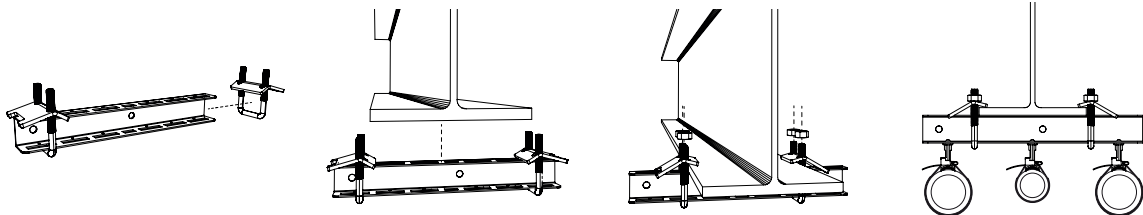
**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – ideal for use with Gripple Universal Brackets & QT Universal Clamps for easy installation of pipework close to structural steel members. Suitable for use on flange thicknesses up to 25 mm.

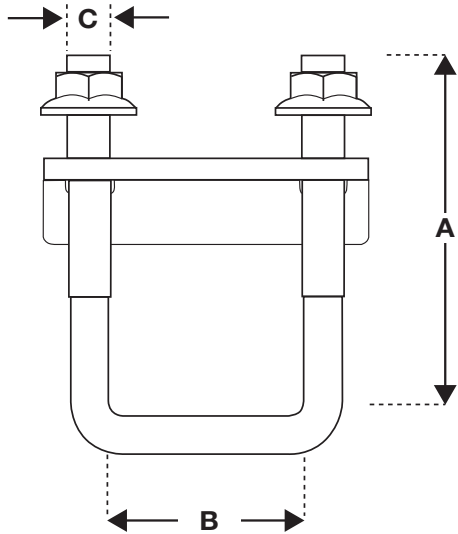
**Load Rating** – please refer to Universal Bracket load ratings.



## INSTALLATION



## SPECIFICATION



Dimension	mm
A	83
B	45
C	M10

## SUBMITTAL INFORMATION

**Load Rating:**  
150 kg per set of two  
See Universal Bracket page 27 for more information

**Material:**  
U-Bolt - MILD STEEL BS 970 070M20  
Plate - BS EN 10346:2009 DX51D

## RELATED PRODUCTS



QT Universal Clamp  
(Page 26)



QT Compact Clamp  
(Page 28)



Universal Bracket  
(Page 27)



Insulation Collars  
(Page 36)



# Insulation Collars

Insulated inserts ensure insulation continuity without the thermal breaks associated with conventional pipe supports.

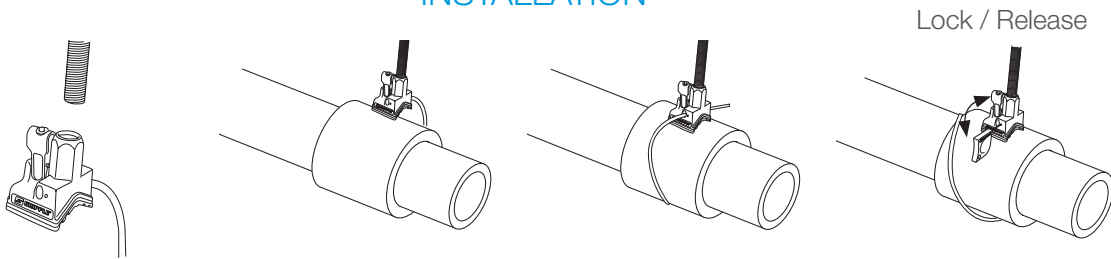
**Function** – insulated pipe supports ensure insulation continuity without thermal breaks, maintaining temperature of pipe contents and resisting moisture/condensation.

**Application** – used in conjunction with Gripple Universal Clamps, the insulated pipe collars securely wrap around the outside diameter of the pipe providing effective insulation against temperature changes.

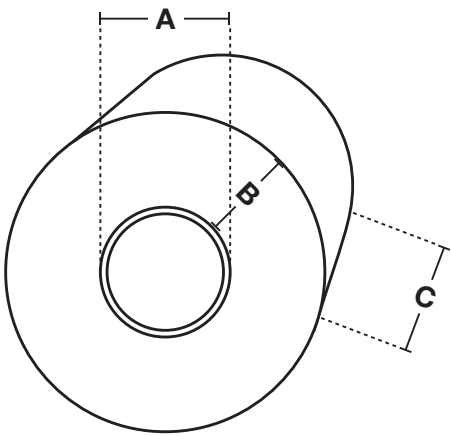
**Load Rating** – See specification table below.



## INSTALLATION



## SPECIFICATION



	Kooltherm	Armaflex
A	All standard pipe OD up to 89 mm	
B	15, 20, 25, 30, 40 & 50 mm	19, 25 & 32 mm
C	100 mm	50 mm

## SUBMITTAL INFORMATION

**Material:**  
Kooltherm - cfc/hcfc phenolic insulation with aluminium foil vapor barrier.  
Armaflex - closed cell elastomeric nitrile rubber  
For more detailed technical data, please contact Gripple Technical Services.

## RELATED PRODUCTS



# Spreader Band

A plastic spreader band for attachment to Gripple No. 2 and No. 3 wire for spreading the load of various suspended services.

**Function** – the fast installation and securing of mechanical and plumbing pipe in an indoor, stationary setting.

**Application** – used in conjunction with Gripple Universal Clamps; ideal for use with low density insulation to spread the weight of pipe over a wider surface area.

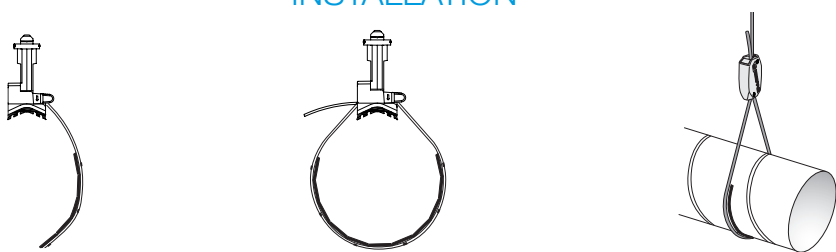
**Load Rating** – up to 90 kg at 5:1 safety factor. Suitable for use with No. 2 and No. 3 wire.

**Approvals**

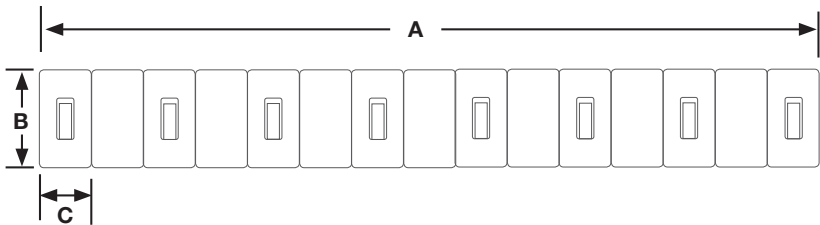
- UL2043 certified:  
Classification related to heat release and smoke optical density



## INSTALLATION



## SPECIFICATION



Dimension	mm
A	300
B	40
C	20

## SUBMITTAL INFORMATION

**Material:**  
Polypropylene  
**Colour:**  
Black (other options available on request)

## RELATED PRODUCTS



## Accessories



### Nylon Sleeve

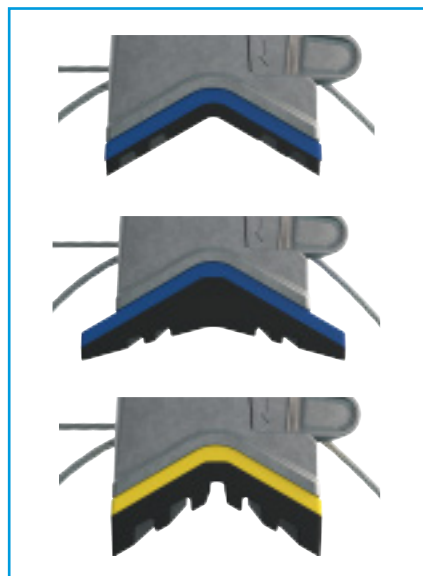
- Supplied pre-fitted as standard with all Universal Clamp ranges
- Suitable for pipe outer diameter from 15 mm to 89 mm OD (multiple sleeves can be used for larger diameter pipe)
- Prevents contact between dissimilar metals e.g. copper pipe and zinc galvanised wire
- Retracts up to 8 times its normal length
- Self extinguishing; conforms to various required standards (see submittal information)

#### Material:

- Polyamide 66 (Nylon)

#### Approvals:

- Toxicity fume conformed CEI 745-1 abd CEI 764-2
- Fire reaction conformed ISO 3795
- ROHS (resistance of hazardous substances) compliant



### Insulated Rubber Pad

- Supplied pre-fitted as standard to all Universal Clamp ranges
- 3 variants available; standard, large and acoustic
- Prevents contact between dissimilar metals e.g. copper pipe and zinc pipe hanger
- Suitable for high temperature applications; operating temperature - 40°C to 110°C and melt temperature - 18°C

#### Material:

- TPE Black compound 108004 Shore hardness A: 40 +/-5

#### Approvals:

- Compliant with UL 2043 for flame and smoke spread



### Gripple Universal Clamp Adaptors

- Thread quickly and easily into Gripple Universal Clamp
- Can be supplied assembled to Gripple Universal Clamp or separately

#### Material:

- Mild steel (zinc plated)

#### M8 Loop Adaptor

- Provides an anchor point for wire rope suspension of single pipe runs

#### M12 Adaptor

- Allows for the suspension of pipework using M12 threaded rod

## Vertical Piping Applications

In combination with riser clamps, the Gripple Pipe Bracket System can be used as an intermediary lateral support for riser pipe, stub-up, and drop applications.

- Ideal for supporting mechanical, drain, sanitary, plumbing and gas pipe
- Brackets and clamps are directly fixed to the wall
- Can accomodate insulated and non-insulated pipe
- If used for load bearing application, max. load per clamp is 22.5 kg
- For lateral support load rating restrictions do no apply

Low Profile pipe Bracket with QT Compact Clamp



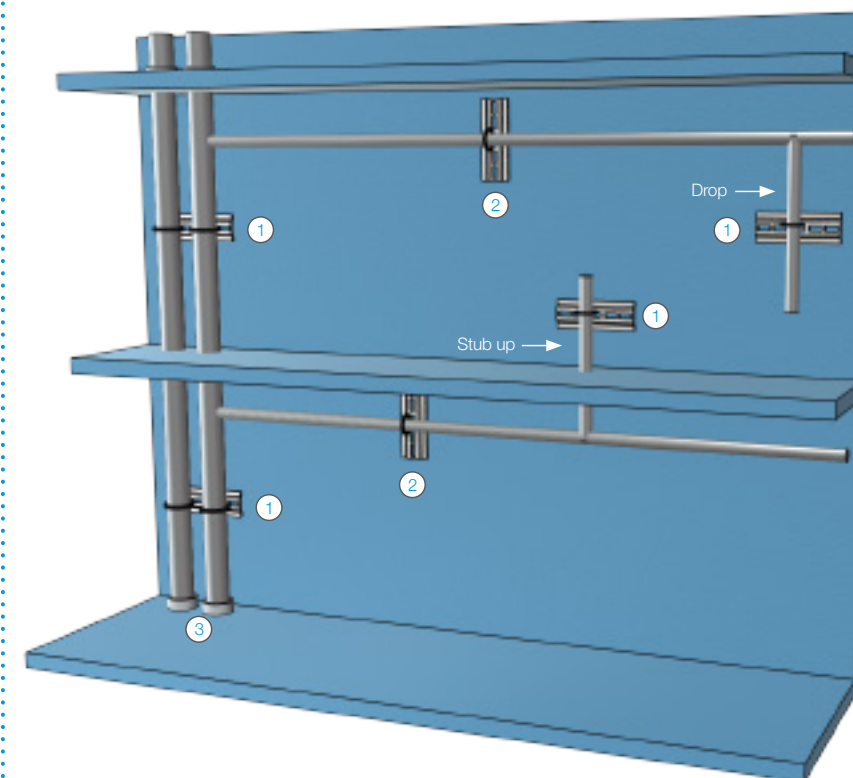
### IMPORTANT INFORMATION

1. The information and recommendations given herein are believed to be correct at time of writing. The data has been obtained from tests done under laboratory, or other controlled conditions and it is the users responsibility to use the data given in light of conditions on site, taking account of the intended use of the products concerned.
2. Whilst Gripple Ltd can give general guidance and advice, the nature of Gripple products means that the ultimate responsibility for selecting the correct product for a particular application must lie with the customer.
3. All products must be used, handled and applied in accordance with current product instructions and manufacturers recommendations for use, published by Gripple Ltd.

Gripple Universal Clamp with 50 mm M8 or M10 Stud



### TYPICAL APPLICATION



- ① Lateral Stability Support (Gripple)
- ② Wall Mounted Horizontal Hanger (Gripple)
- ③ Riser Clamp (not supplied by Gripple)

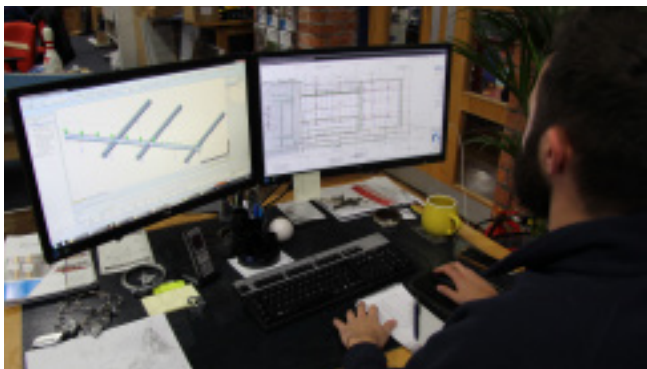




# About Gripple Technical Services

Gripple Technical Services is a dedicated team of qualified Engineering Physicists and Mechanical Engineers that, in addition to our Piping Installation Design service, offer CIBSE certified CPD presentations and a range of other services including;

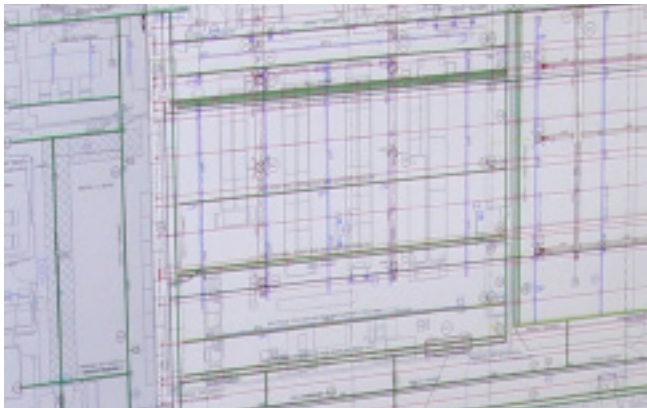
- Suspension System Installation Design
- BIM solutions & resources
- Environmental impact studies
- CAD drawings
- On site visits for technical solution support
- Product training
- Continuous support through to project completion



# Suspension System Installation Design - Pipework

Gripple Technical Services offer a full, complementary piping layout and design service. The simple five step process results in a fully specified project layout;

1. Contractor/engineer submits project drawings to Gripple Technical Services in .dwg or .pdf file format
2. Gripple Technical Services mark up drawings with exact requirements (bracket lengths and configurations, hanger types etc.)
3. Contractor/engineer receives fully annotated drawings and full quote is provided
4. Once order is placed, product is packaged to specific project requirements (e.g. Floor Three, Zone One, Hot & Cold Run)
5. Product is dispatched to job site and installed quickly and easily by contractor.



# Technical Data & Installation Recommendations

Recommended minimum support spacing for steel and copper pipes.

## Copper Pipes

Copper tube	Tube size	OD	Weight empty	Weight filled	Max. spacing for horizontal runs	Weight per Gripple Clamp*
BS EN 1057	mm	mm	kg/m	kg/m	m	kg
	15	15	0.28	0.43	1.2	0.51
	22	22	0.53	0.85	1.8	1.53
	28	28	0.68	1.22	1.8	2.19
	35	35	1.13	1.96	2.4	4.72
	42	42	1.37	2.60	2.4	6.24
	54	54	1.77	3.86	2.7	10.43
	67	67	2.74	5.96	3.0	17.87
	76	76	3.12	7.31	3.0	21.92
	108.1	108	4.45	13.126	2	26.25
	133.4	133	5.47	18.825	1.8	33.89
	155.4	159	8.71	27.677	1.5	41.52

Mass calculated at standard pressure with water at 4°C.  
\*At max. bracket spacing

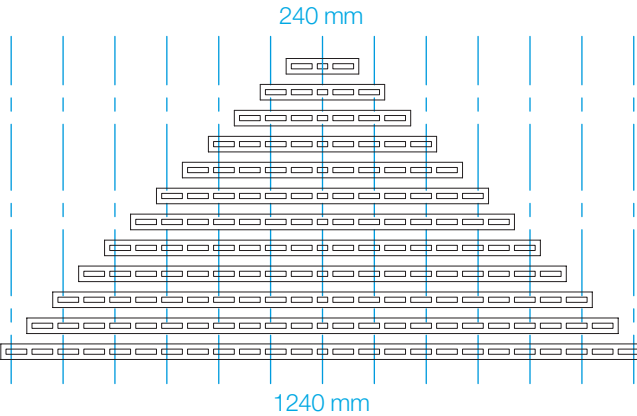
## Steel Pipes

Steel pipe	Tubesize	OD	Weight empty	Weight filled	Max. spacing for horizontal runs	Weight per Gripple Clamp*
BS 1387	inches	mm	kg/m	kg/m	m	kg
	1/2	21	1.22	1.39	2.0	2.77
	3/4	27	1.58	1.91	2.4	4.59
	1	34	2.44	2.97	2.7	8.02
	1 1/4	42	3.14	4.05	2.7	10.93
	1 1/2	48	3.61	4.87	3.0	14.60
	2	60	5.10	7.14	3.4	24.29
	2 1/2	76	6.51	10.04	3.7	37.13
	3	89	8.47	13.37	3.2	42.79
	3 1/2	102	10.3	16.66	2.4	39.99
	4	114	12.1	19.95	1.8	35.92
	5	140	16.2	28.47	1.5	42.71
	6	168	19.2	36.87	1.2	44.25

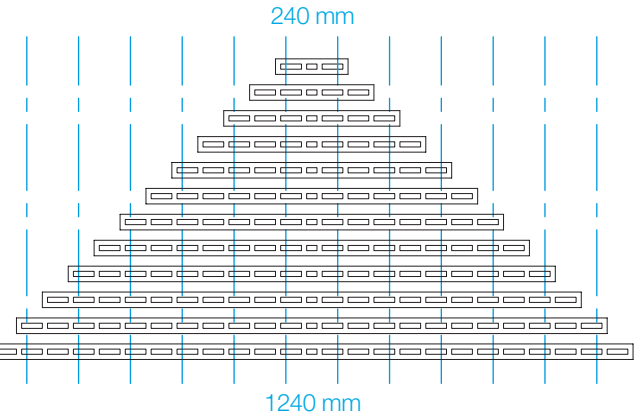
Mass calculated at standard pressure with water at 4°C.  
\*At max. bracket spacing

# Recommended Pipe Spacings

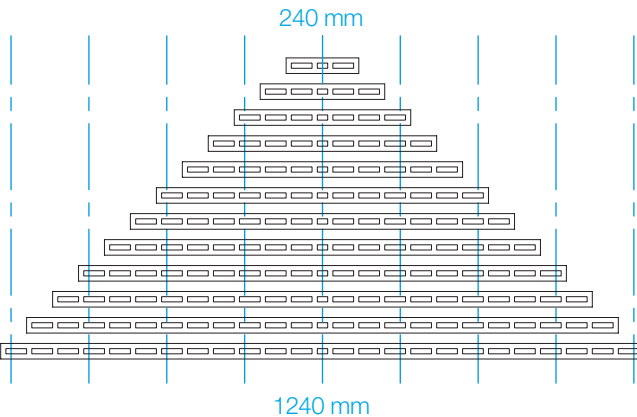
1A. Number of Gripple Universal Clamps centred on Gripple Universal Brackets at 100 mm spacing



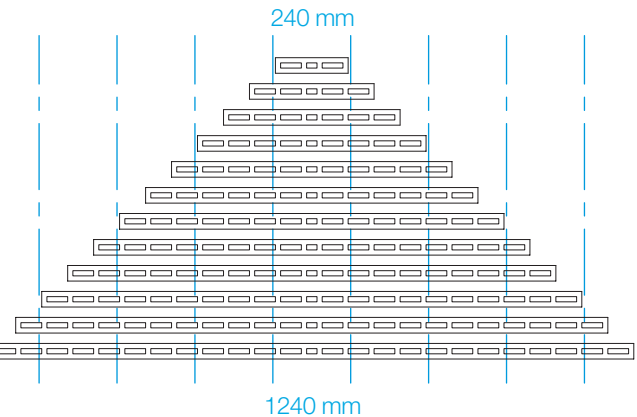
1B. Number of Gripple Universal Clamps on Gripple Universal Brackets at 100 mm spacing



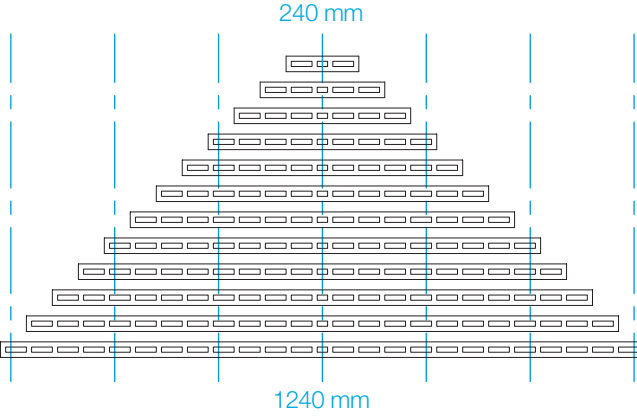
2A. Number of Gripple Universal Clamps centred on Gripple Universal Brackets at 150 mm spacing



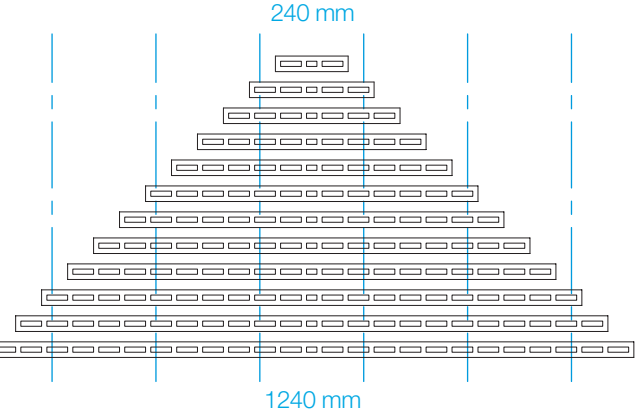
2B. Number of Gripple Universal Clamps on Gripple Universal Brackets at 150 mm spacing



3A. Number of Gripple Universal Clamps centred on Gripple Universal Brackets at 200 mm spacing



3B. Number of Gripple Universal Clamps on Gripple Universal Brackets at 200 mm spacing



# Key Recommendations

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

Full technical information and installation instructions should be obtained directly from Gripple Limited, Gripple Europe or Gripple Inc., any regional Gripple office, or via the website [www.gripple.com](http://www.gripple.com).

Please adhere to the following key recommendations:



## Loads

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



## Lifting

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



## Installation

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



## Painting

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



## Lubrication

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



## Joining

Never join two ends together in-line.



## Sharp Edges

Avoid sharp edges.



## 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.



## 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.



## 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.



## 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°.

## Quality & Approval

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



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





## Case Studies

Academic Building, UK	page 46
Distribution Centre, France	page 47
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Stadium, France	page 54
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Academic Building  
Essex, UK







DCNS Offices  
Brest, France



TIME SAVINGS <b>607 HOURS</b>	LABOUR SAVINGS <b>£12,140</b>	TOTAL SAVINGS <b>£4,271</b>
----------------------------------	----------------------------------	--------------------------------

A state of the art academic building incorporating classrooms, libraries and a café in Essex, UK. Gripple supplied bespoke [Universal Brackets](#) and [QT Universal Clamps](#) for suspended pipework and supply pipe for trench heater under a raised access floor. [Insulation collars](#), unique to Gripple, were also utilised on this project.

Project Summary		Featured Products			
Building type	Multi-Use (Education)	Universal Brackets and QT Universal Clamps	GUC	Insulation Collar	Trapeze
Completion date	August 2013				
Building structure	Pre-Cast Concrete				
Pipe sizes	Various				




“The weight of the suspensions for this project were **1,380 tonnes lighter** by using Gripple solutions instead of traditional methods.”  
- Site Supervisor, Mechanical Contractor -

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, Universal Clamp &amp; Trapeze</b>	Strut, M8 threaded rod, washers, nuts, bolts, 22OD and 28OD pipe clamps
Material cost	<b>£16,869</b>	£9,000
Installation time	<b>173 hours</b>	780 hours
Labour rate (per hour)	<b>£20</b>	£20
Total labour cost	<b>£3,460</b>	£15,600
Total cost	<b>£20,329</b>	£24,600

TIME SAVINGS <b>320 HOURS</b>	LABOUR SAVINGS <b>€12,800</b>	TOTAL SAVINGS <b>€10,800</b>
----------------------------------	----------------------------------	---------------------------------

DCNS is a French industrial group specialising in naval defence and energy. Gripple provided a fast and effective solution for heating pipe by supplying [Universal Brackets](#) and [QT Universal Clamps](#).

Project Summary		Featured Products
Building type	Offices	
Contractor	Techni Chauffage	
Building structure	Pre-cast concrete	
Pipe sizes	20OD & 40OD copper	



**Did you Know?**  
Gripple Pipe solutions are supplied ready-to-use, eliminating all cutting or lengthy fabrication on-site. See the full benefits in our ‘Against The Clock’ video on:  
 [youtube.com/grippletv](https://www.youtube.com/grippletv)

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets and QT Universal Clamps</b>	Strut, M8 threaded rod, washers, nuts, bolts, 20OD pipe clamps and 40OD pipe clamps
Material cost	<b>€2,350</b>	€350
Installation time	<b>160 hours</b>	480 hours
Labour rate (per hour)	<b>€40</b>	€40
Total labour cost	<b>€6,400</b>	€19,200
Total cost	<b>€8,750</b>	€19,550





Optima Kierland  
Centre  
Arizona, USA



Secondary School  
North East, UK





TIME SAVINGS  
**230 HOURS**

LABOUR SAVINGS  
**\$5,290**

TOTAL SAVINGS  
**\$1,118**

Optima Kierland Center is a large mixed use residential apartment complex consisting of five buildings, all with ten floors each, one of which is intended to be retail space. Gripple supplied [Universal Brackets](#) and [QT Universal Clamps](#) in 1 and 2 foot lengths for the installation of refrigerant lines (between 2 and 10 pipes per bracket).

Project Summary	
Building type	Retail & Residential
Contractor	RKS Plumbing & Heating
Building structure	Pre-cast concrete
Pipe sizes	½", 1" and 1 ½" copper.

Featured Products	
Universal Brackets and QT Universal Clamps	Low Profile Brackets and QT Compact Clamps
	



"We saved [significant labour costs](#) using Gripple. This even included removing strut that we had already installed and replacing it with [Gripple Universal Brackets](#) and [QT Universal Clamps](#)!"

- RKS Project Superintendent -

COST SAVING SUMMARY

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, Low Profile Brackets and QT Universal Clamps</b>	Strut, 3/8" and ½" threaded rod, washers, nuts, bolts, ½", 1", and 1 ½" pipe clamps
Material cost	<b>\$8,032</b>	\$3,860
Installation time	<b>92 hours</b>	322 hours
Labour rate (per hour)	<b>\$23</b>	\$23
Total labour cost	<b>\$2,116</b>	\$7,406
Total cost	<b>\$10,148</b>	\$11,266



TIME SAVINGS  
**322 HOURS**

LABOUR SAVINGS  
**£4,830**

TOTAL SAVINGS  
**£1,255**

This project was a three storey school in the North East of England designed to accommodate almost 1,000 students. Gripple supplied [Universal Brackets](#) and [QT Universal Clamps](#) and [Trapeze](#) hangers for multi-service use, but primarily for the copper pipe runs supplying hot and cold water throughout the school.

Project Summary	
Building type	School (Education)
Completion date	April 2016
Building structure	Pre-cast concrete
Pipe sizes	22OD & 28OD copper

Featured Products	
Universal Brackets and QT Universal Clamps	Trapeze
	



"We took advantage of Gripples [Suspension System Installation Design Service](#). This enabled us to eliminate wasteful and expensive oversupply."

- Site Supervisor, Mechanical Contractor -

COST SAVING SUMMARY

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, QT Universal Clamps &amp; Trapeze</b>	Strut, m8 threaded rod, washers, nuts, bolts, 15OD and 28OD pipe clamps
Material cost	<b>£10,195</b>	£6,620
Installation time	<b>92 hours</b>	414 hours
Labour rate (per hour)	<b>£15</b>	£15
Total labour cost	<b>£1,380</b>	£6,210
Total cost	<b>£11,575</b>	£12,830





Swansea FC  
Training Academy  
Wales, UK



Sico GmbH Factory  
Steinau, Germany



TIME SAVINGS

425 HOURS

LABOUR SAVINGS

£7,650

TOTAL SAVINGS

£1,700

Swansea City FC developed its state of the art training academy in 2013. In addition to HVAC and electrical services, Gripple supplied pre-fabricated [Universal Brackets](#) and [Universal Clamps](#) for the suspension of all piping, using [Trapeze](#) hangers on the project.

Project Summary		Featured Products	
Building type	Sports facility (including offices, changing rooms, café and function rooms)	Universal Brackets & Universal Clamps	Trapeze
Contractor	Renewable Energy		
Building structure	Steel & metal deck		
Pipe sizes	Various (54OD, 22OD etc.)		



“Gripple products are quick, simple and easy to install. We made a [labour saving](#) of over six weeks on the installation of the pipe work.”  
- Site Supervisor, Renewable Energy Wales -

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Pre-fabricated Universal Brackets, Universal Clamps &amp; Trapeze</b>	Strut, M8 threaded rod, washers, nuts, bolts, various pipe clamps
Material cost	£13,800	£7,850
Installation time	50 hours	475 hours
Labour rate (per hour)	£18	£18
Total labour cost	£900	£8,550
Total cost	£14,700	£16,400

TIME SAVINGS

48 HOURS

LABOUR SAVINGS

€3,840

TOTAL SAVINGS

€3,779

Sico GmbH specialize in the manufacture of plastic and rubber injection molded components for the automotive industry. Sico's factory extension did not allow for drilling to the ceiling so Gripple supplied [Catenary Kits](#) and wire suspensions as well as [Universal Brackets](#) and [QT Universal Clamps](#) to support hot, cold and return pipe.

Project Summary		Featured Products		
Building type	Factory	Trapeze Plus	Universal Brackets & Universal Clamps	Catenary & C-Clip
Contractor	MJS			
Building structure	Steel			
Pipe sizes	3 x 40OD steel			



“As we couldn’t go into the ceiling there was no [easier and faster](#) solution. We saved almost £4,000 of labour.”  
- Site Supervisor, MJS -

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, QT Universal Clamps, Catenary Kit &amp; Trapeze Plus</b>	Strut (to span beams), Strut, M8 threaded rod, washers, nuts, bolts, 40OD pipe clamps
Material cost	€1,650	€1,589
Installation time	48 hours	96 hours
Labour rate (per hour)	€40	€40
Total labour cost	€3,840	€7,680
Total cost	€5,490	€9,269





Supermarket  
London, UK





Requista 12  
France



TIME SAVINGS <b>136 HOURS</b>	LABOUR SAVINGS <b>£2,720</b>	TOTAL SAVINGS <b>£1,361</b>
----------------------------------	---------------------------------	--------------------------------

This new supermarket was part of a wider development project in London, UK. Gripple products were used throughout on M&E services. Gripple supplied [Universal Brackets](#) and [QT Universal Clamps](#) for the thousands of metres of copper pipe used throughout the 2,300 sq.m unit.

Project Summary		Featured Products	
Building type	Supermarket (Retail)	Universal Brackets & Universal Clamps	Trapeze Plus
Completion date	March 2016		
Building structure	Steel frame		
Pipe sizes	22OD & 28OD copper		




“The new Universal Brackets and Universal Clamps make the installation of pipework even [easier](#); it’s idiot proof, as the Universal Clamp [replaces multiple pipe ring sizes](#).”  
- Site Supervisor, Mechanical Contractor -

..... COST SAVING SUMMARY .....


	Gripple solution	Traditional method
Overview	<b>Universal Brackets, QT Universal Clamps &amp; Trapeze Plus</b>	Strut, M8 threaded rod, washers, nuts, bolts, 22OD and 28OD pipe clamps
Material cost	<b>£5,159</b>	£3,800
Installation time	<b>39 hours</b>	175 hours
Labour rate (per hour)	<b>£20</b>	£20
Total labour cost	<b>£780</b>	£3,500
Total cost	<b>£5,939</b>	£7,300

TIME SAVINGS <b>140 HOURS</b>	LABOUR SAVINGS <b>€4,200</b>	TOTAL SAVINGS <b>€735</b>
----------------------------------	---------------------------------	------------------------------

Requista 12 was a significant retail distribution centre in the south of France. Gripple supplied the [Universal Brackets](#) and [QT Universal Clamps](#) for large diameter steel pipe, as well as the wire rope suspensions, saving the contractor significant time on site.

Project Summary		Featured Products	
Building type	Distribution Centre	Universal Brackets & Universal Clamps	Trapeze
Contractor	Serin		
Building structure	Steel		
Pipe sizes	2 x 600D & 400D Steel		



[Did you know?](#)  
Gripple Pipe solutions are up to 10x faster to assemble than traditional strut & clamp methods. Watch our ‘Against The Clock’ video on:  
 [youtube.com/grippletv](https://www.youtube.com/grippletv)

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, Universal Clamps &amp; Trapeze</b>	Strut, M8 threaded rod, washers, nuts, bolts, 200D pipe clamps and 500D pipe clamps
Material cost	<b>€4200</b>	€735
Installation time	<b>210 hours</b>	350 hours
Labour rate (per hour)	<b>€30</b>	€30
Total labour cost	<b>€6,300</b>	€10,500
Total cost	<b>€10,500</b>	€11,235





Houve Stadium  
Creutzwald, France




Secondary School  
London, UK



TIME SAVINGS <b>6.5 HOURS</b>	LABOUR SAVINGS <b>€227</b>	TOTAL SAVINGS <b>-</b>
----------------------------------	-------------------------------	---------------------------

This project was the redevelopment of the stadium, offices and changing rooms of French lower league football team SR Creutzwald 03. Gripple supplied [Universal Brackets](#) and [QT Universal Clamps](#) which were suspended from the deck as well as fixed direct to save space, for insulated hot, cold and return pipe.

Project Summary		Featured Products	
Building type	Stadium & offices		
Contractor	Lorry		
Building structure	Pre-cast concrete		
Pipe sizes	200D & 500D copper		



Did you know?


Gripple QT Clamps replace up to 13 different traditional pipe ring sizes; significantly reducing stock levels and potential mistakes during installation

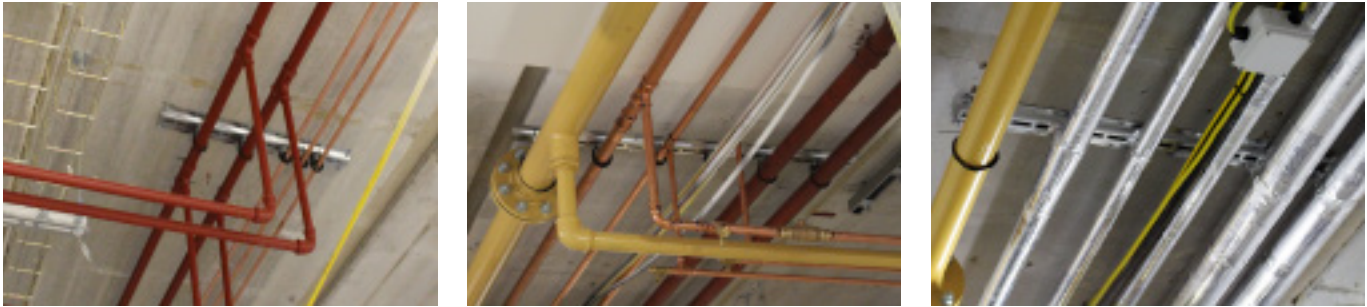
..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets and QT Universal Clamps</b>	Strut, M8 threaded rod, washers, nuts, bolts, 200D pipe clamps and 500D pipe clamps
Material cost	<b>€383</b>	€127
Installation time	<b>29 minutes</b>	7 hours
Labour rate (per hour)	<b>€35</b>	€35
Total labour cost	<b>€17.50</b>	€244
Total cost	<b>€393</b>	€372

TIME SAVINGS <b>87 HOURS</b>	LABOUR SAVINGS <b>£1,740</b>	TOTAL SAVINGS <b>£1,195</b>
---------------------------------	---------------------------------	--------------------------------

This project included the refurbishment of existing buildings, as well as the construction of a new building on the existing site. Gripple supplied the [Low Profile Bracket](#) and [QT Compact Clamps](#) for the piping on this job.

Project Summary		Featured Products	
Building type	School (Education)		
Completion date	August 2016		
Building structure	Pre-cast concrete		
Pipe sizes	150D & 280D		



“Using the Gripple solution allowed for pipework to be fitted **less than 35 mm from the soffit** and took **significantly less time** to install than traditional methods.”

- Site Manager, Main Contractor -

..... COST SAVING SUMMARY .....

	Gripple solution	Traditional method
Overview	<b>Low Profile Brackets and QT Compact Clamps</b>	Strut, concrete screws, washers, nuts, bolts, 150d and 280d pipe clamps
Material cost	<b>£4,515</b>	£3,980
Installation time	<b>35 Hours</b>	122 Hours
Labour rate (per hour)	<b>£20</b>	£20
Total labour cost	<b>£700</b>	£2,440
Total cost	<b>£5,215</b>	£6,420





Primary School  
London, UK





TIME SAVINGS  
**53 HOURS**

LABOUR SAVINGS  
**£1,060**

TOTAL SAVINGS  
**£1,585**

This project incorporated a purpose built school replacing a previous school on the same site. Gripple supplied [Universal Brackets](#) and [QT Universal Clamps](#) and [Trapeze Plus](#) hangers for suspension of insulated copper and steel piping throughout the building.

Project Summary		Featured Products	
Building type	School (Education)	Universal Brackets & Universal Clamps	Trapeze Plus
Completion date	November 2012		
Building structure	Pre-cast concrete		
Pipe sizes	22OD & 28OD copper		



“The Gripple system is excellent for cleanliness, [time saving](#) and [safety](#), so the change from traditional methods to Gripple was an easy choice to make.”

- Site Manager, Mechanical Contractor -

..... **COST SAVING SUMMARY** .....

	Gripple solution	Traditional method
Overview	<b>Universal Brackets, Universal Clamps &amp; Trapeze Plus</b>	Strut, M8 threaded rod, washers, nuts, bolts, 22OD and 28OD pipe clamps
Material cost	<b>£1,098</b>	£1,623
Installation time	<b>17 hours</b>	70 hours
Labour rate (per hour)	<b>£20</b>	£20
Total labour cost	<b>£340</b>	£1,400
Total cost	<b>£1,438</b>	£3,023

Notes

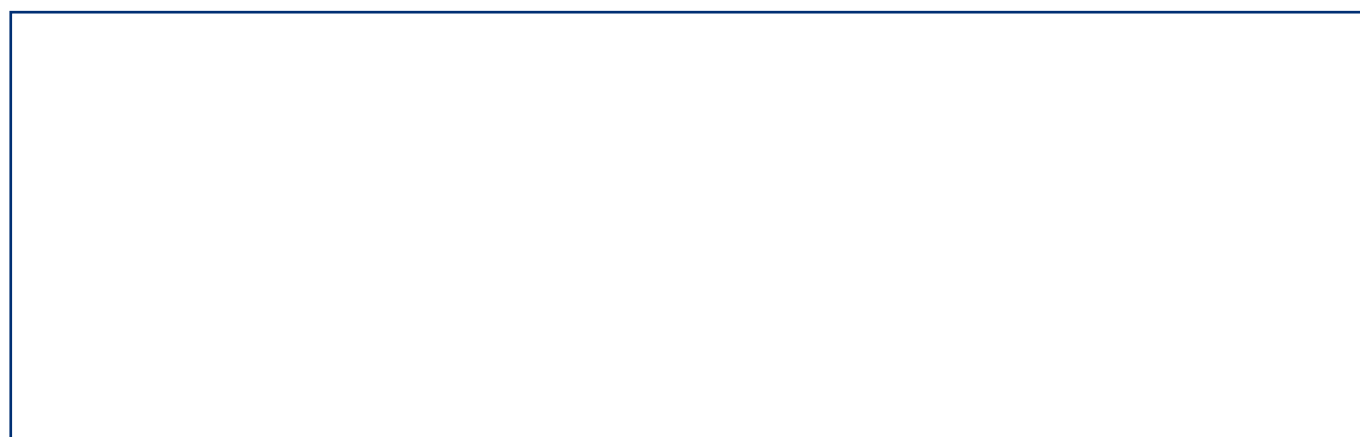
Notes

Notes



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