



Solar Solutions

Changing the game in utility scale solar installations





Install faster, work safer,
and deliver better,
longer lasting solar
infrastructure with our
range of structural and
electrical installation kits,
specifically developed for
utility scale solar plants.

Gripple Solar Solutions

Are you looking to install faster, work safer, and deliver better longer lasting solar infrastructure?

Well, here at Gripple our innovation team have developed a range of solar cable management, bracing and anchoring systems to help you and your team install on site.

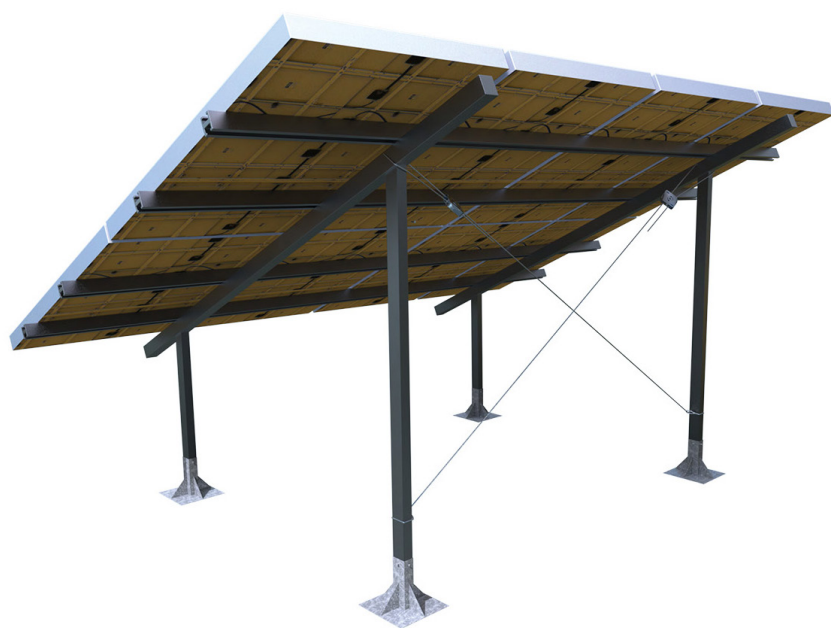
We have worked hand in hand with solar EPC's, PV contractors, developers and OEM's to engineer the best possible solutions. Meaning our systems meet and overcome real world challenges faced every day on site, like damaged cables, challenging logistics and complex labour intensive installs.

We know longevity matters too. Which is why our solar products are manufactured in the UK and USA to the highest standard and have been temperature and UV tested to give you the confidence our systems will last the lifetime of the power plant.

Utilizing our revolutionary wire joining and tensioning technology, means our solar kits are significantly faster to install than traditional methods, and you and your team can be confident installing with minimal training needed.

Our strong but lightweight kits will help you meet your environmental commitments by reducing project CO₂ thanks to lower embodied carbon.

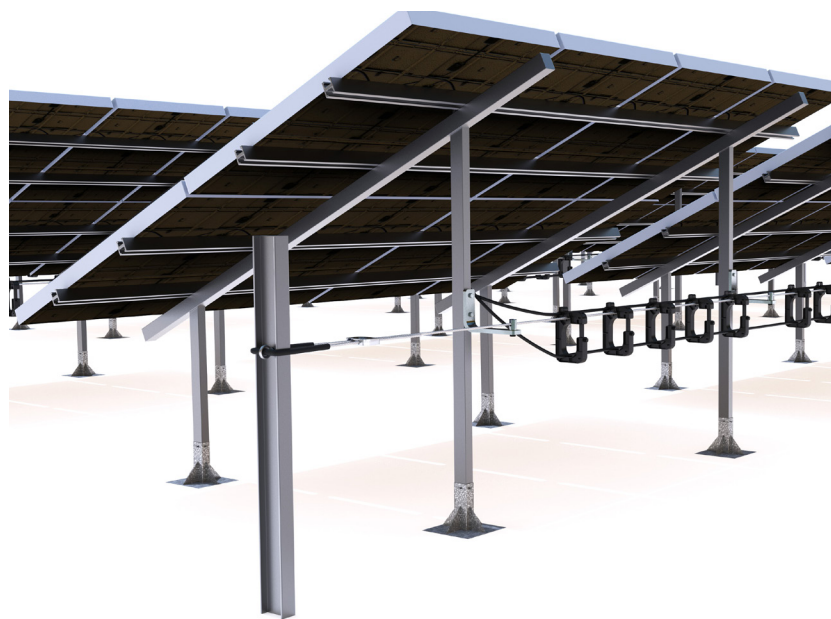
Our Range



Solar Bracing Kits
Wire Rope Solar Bracing Kits



Solar Anchoring Kits
Solar Frame Ground Anchors



CableSmart System
Faster, Safer Cable Management



About Gripple

At Gripple we develop game-changing products which solve real-world on-site problems and drive installation efficiencies through innovation.

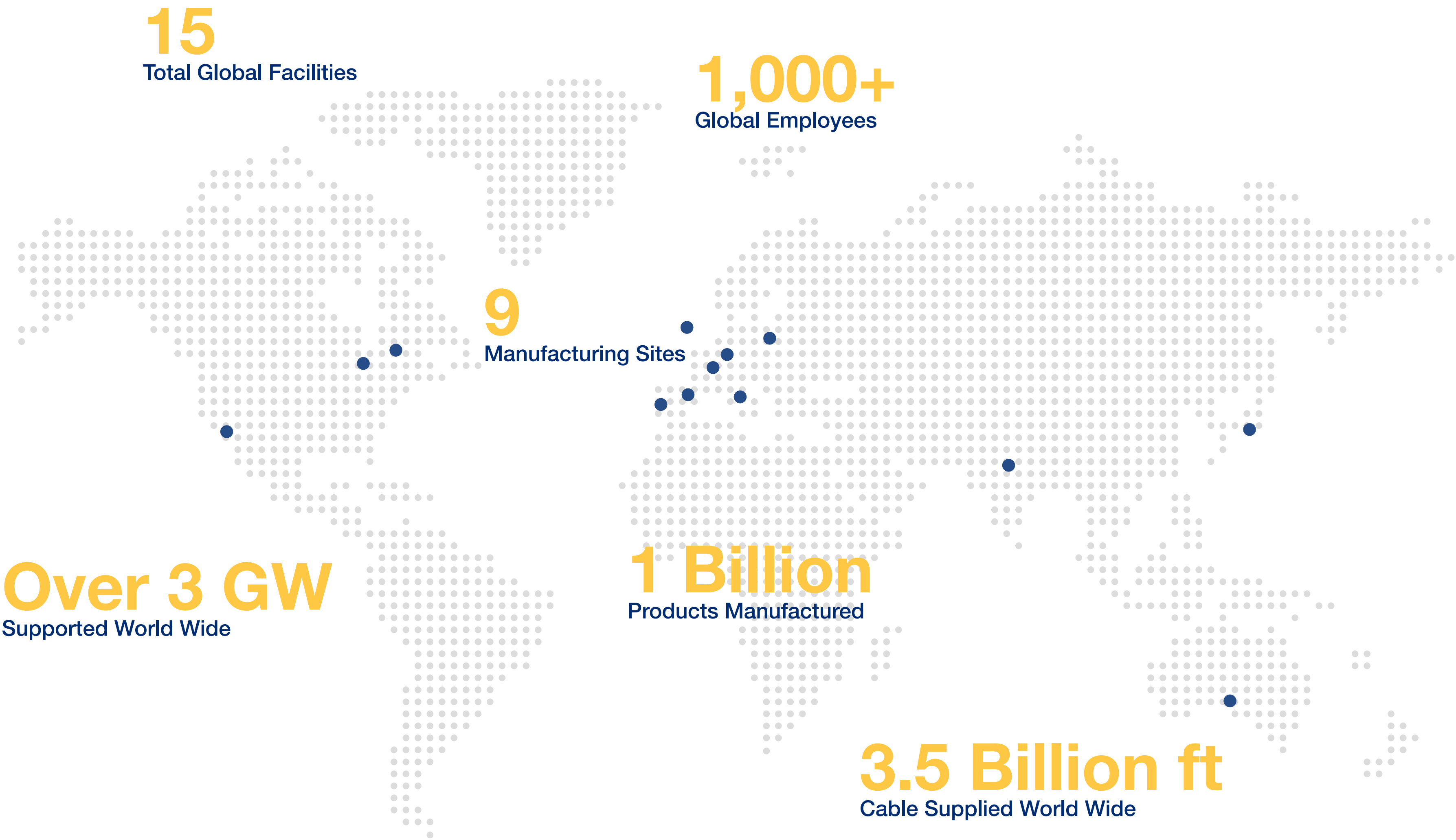
Established in 1989 when we launched the original Gripple wire tensioner, today Gripple is a global business, employing over 1,000 people worldwide from 15 locations.

We specialise in wire rope solutions, with a focus on suspension, bracing and anchoring in construction and agriculture. Our offering doesn't stop there though, innovation is in our DNA, and we have also developed products for seismic bracing, geotechnical engineering and utility scale solar installation to name just a few.

Innovation doesn't stop with our products at Gripple.

We are a 100% employee owned business, with all our team from the factory floor to the board room having skin in the game as Gripple shareholders.

Having engaged owners across every department of the business gives a commitment to quality, service and our customers that our competitors simply can't match.



CableSmart Range

Faster, safer cable management

Need to manage cables above ground? Here at Gripple we have developed our CableSmart system to be faster, safer and easier to install than anything else on the market.

Our engineers have taken our proven Gripple wire tensioning technology and developed it into the fastest and easiest to install messenger system available. Designed to help you reduce costs and speed up solar installations.

Our range of Cable Hangers have been specifically developed for solar use with input from EPC's and contractors, and can carry up to thirty 750 kcmil cables.

Key Specifications

Messenger Kit Max. Working Load

1100 kg | 2425 lbs

Max. Cable Capacity - 750 kcmil

30 (Double Hanger Stacked)

Design Life

30+ Years

Working Temperature

-20 to +70 °C (+158 °F)

Why CableSmart?



Fast to Install

Using our Dynamic wire joiner and tensioner you can install our CableSmart Messenger Kit significantly faster than traditional turnbuckle or “Dead-End” tensioners.



High Cable Capacity

Carry up to thirty 750 kcmil cables or sixty 350 kcmil cables thanks to a range of modular cable hangers.



Engineered to Last

Manufactured to the highest standards in the UK and USA, and engineered to ensure long term reliable performance in extreme environments. Including testing in temperatures up to +70 °C (158 °F).



Designed for Wiring Reliability

Designed and engineered for solar projects, including wide hanger surface area, snap lock catenary fixing and side loading gate to prevent cable wear and ensure even load distribution.



Simple to Use

Our plug-and-play kits need minimal training to use and come ready to install using just hand tools.



Dependable Global Supply

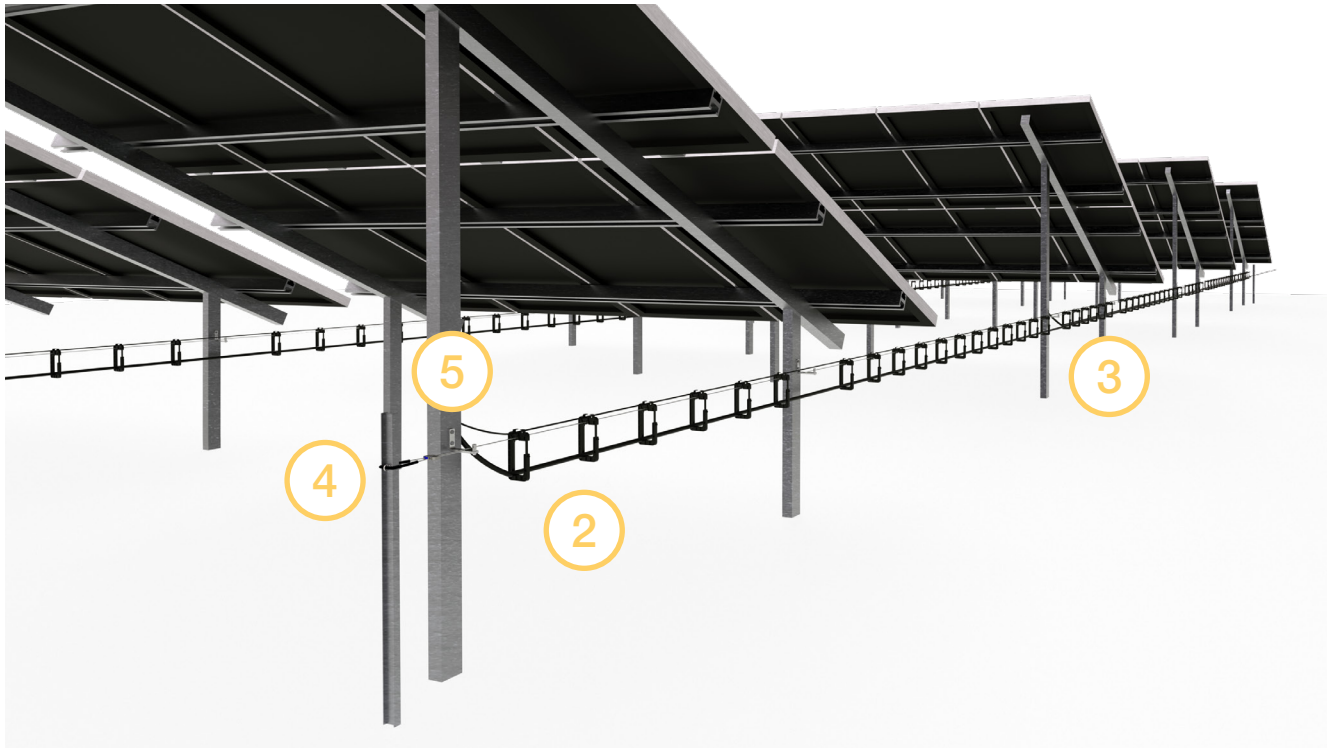
All our Gripple kits are manufactured in house in the UK and USA and supplied globally via our 15 worldwide locations in Europe, USA, Asia and Australia.

The CableSmart Range

A range of products to support both string and home run cables for ground mount frames.

1. Home Run Cable Solutions

- Negate hold ups from poor ground conditions
- Fast installation with no trenching required
- Easy access and visibility for commissioning and O&M



CableSmart Mini Hanger
String Cable Hanger

Working Load: 10 kg | 22 lb

Gate Acceptance

32 mm | 1.25 in

Messenger Wire Grip Compatibility

3 mm | 1/8 in or 6 mm | 1/4 in

Cable Bundle Capacity

Up to 17.6 cm | 7 in

Working Temperature

-40 to +90 °C | -40 to +194 °F



CableSmart Single Hanger
Home Cable Hanger

Working Load: 30 kg | 65 lb

Gate Acceptance

60 mm | 2.36 in

Messenger Wire Grip Compatibility

6 mm | 1/4 in

Cable Bundle Capacity

Up to 115 cm² | 17² in bundles

Working Temperature

-40 to +90 °C | -40 to +194 °F



CableSmart Double Hanger
Home Cable Hanger

Working Load: 30 kg | 65 lb

Gate Acceptance

35 mm | 1.38 in

Messenger Wire Grip Compatibility

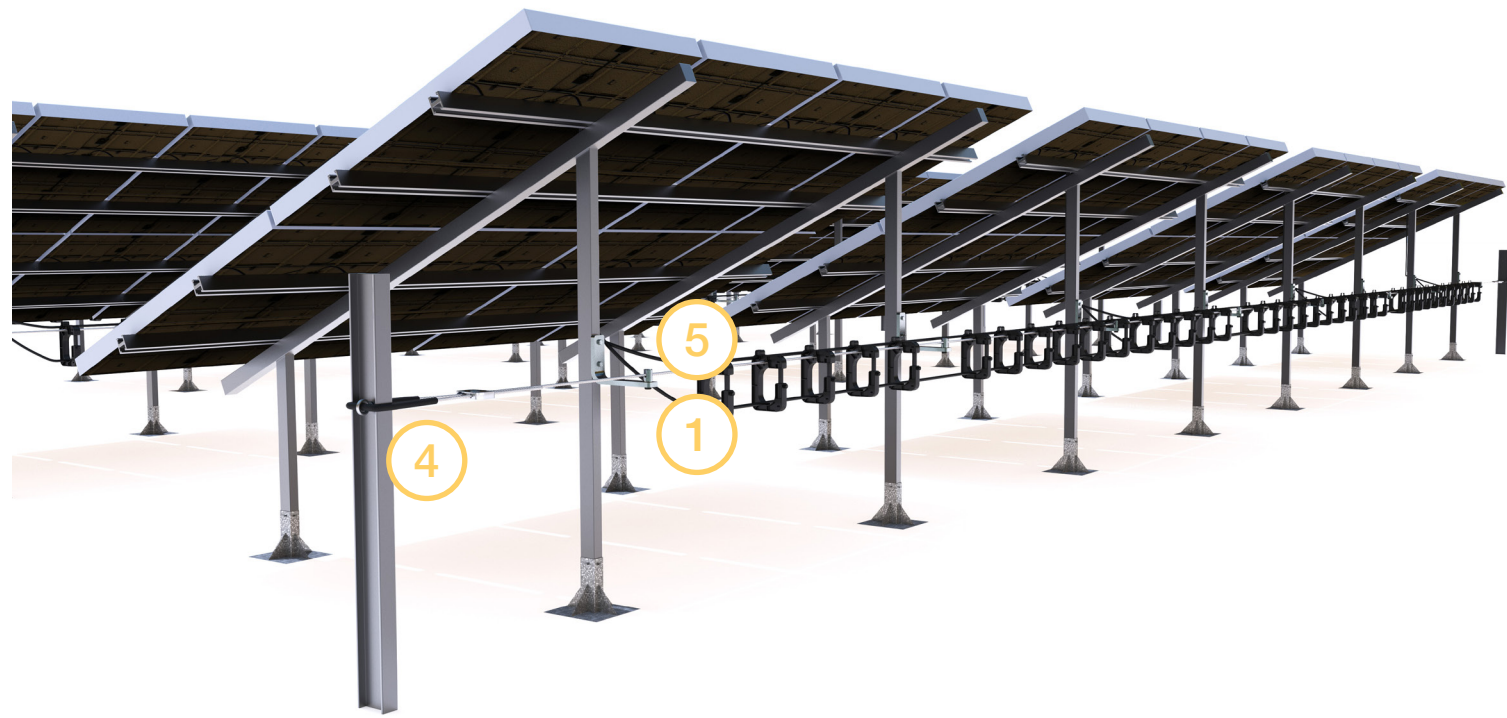
6 mm | 1/4 in

Cable Bundle Capacity

2x up to 145.7 cm | 8 in

Working Temperature

-40 to +90 °C | -40 to +194 °F



CableSmart Messenger Kit
Cable Management Catenary

Working Load: Up to 17 kN | 3860 lbf

Cable Diameter

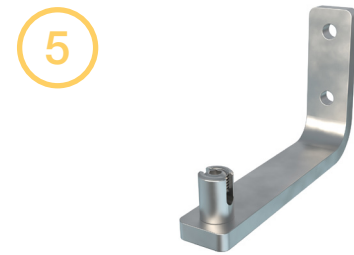
3 mm | 1/8 in or 6 mm | 1/4 in

Included Tensioner

Dynamic 3 or Dynamic 6

Working Temperature

-40 to +70 °C | -20 to +158 °F



CableSmart Messenger Bracket
Intermediate Catenary Bracket

Working Load: 200 kg | 440 lb

Fixing Holes

M10 (11 mm) | 0.43 in

Fixing to Post Distance

1.42 mm | 5.6 in

Catenary to Bolt

31 mm | 1.22 in

Working Temperature

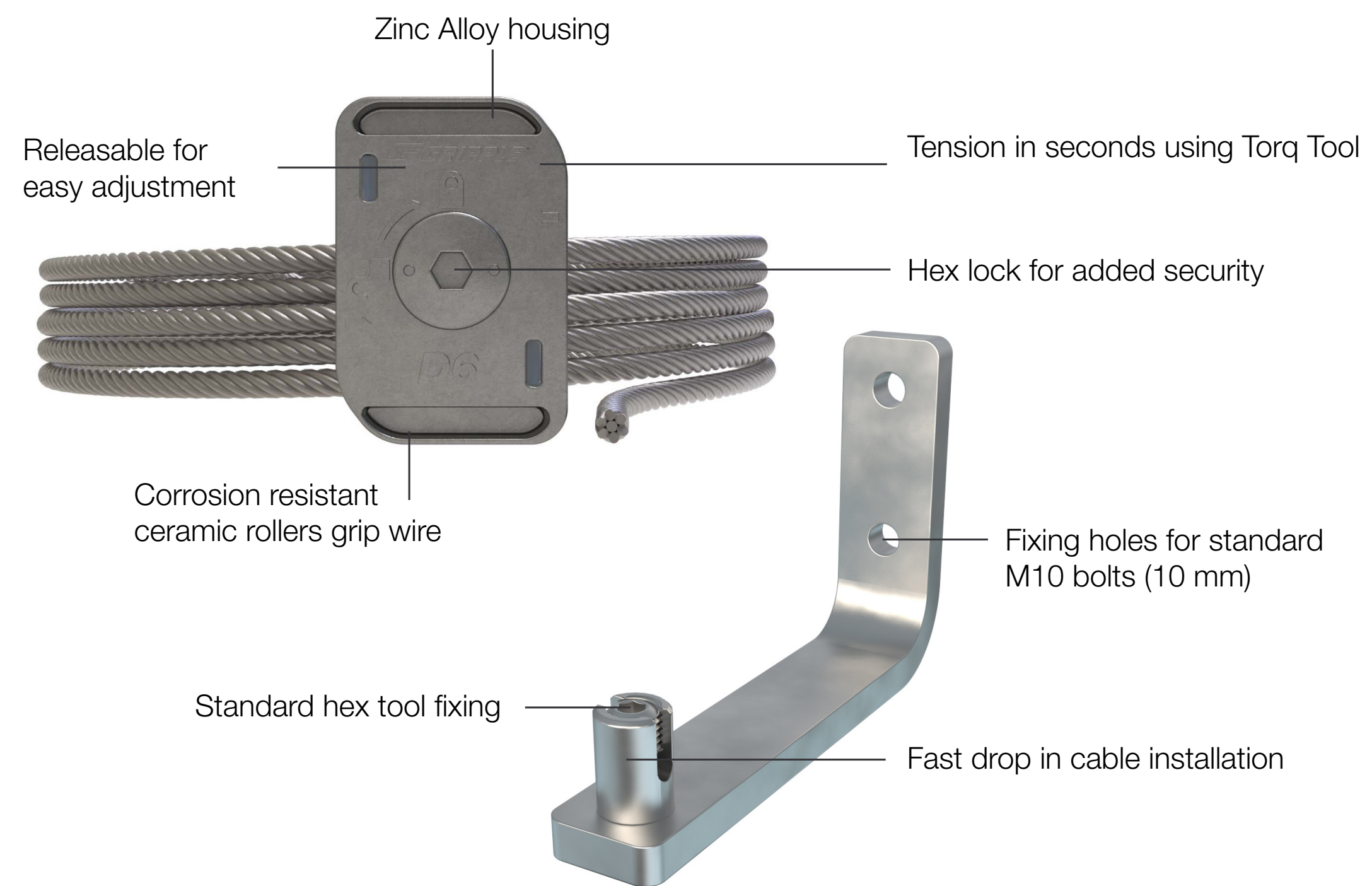
-40 to +200 °C | -40 to +390 °F

CableSmart Key Features

CableSmart Hangers



CableSmart Messenger System





Why Above Ground?



Mitigate Ground Issues

From hard rocky ground to flood plains or archaeological sites, where trenching is not an option moving cables above ground is a simple and viable solution.



No Heavy Equipment Needed

With no need for trenching you can forget about the extra cost or logistical issues getting heavy plant machinery to site.



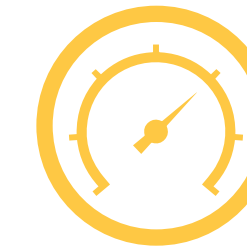
Install on Landfill or Brownfield Site

Open up unusable land for solar power generation by moving cables above ground avoiding protective membranes or caps.



Avoid Project Delays

Move your cabling above ground and avoid trenching hold up's from bad weather, saturated earth or unpredictable ground conditions.



Fast To Install

Your team can install our CableSmart above ground cable management system quickly and easily using just hand tools.



Easy O&M

Inspecting and maintaining your cable system is easier and more cost effective when they are accessible above ground.

Solar Bracing Kits

Wire Rope Solar Bracing Kits

Reduce your PV frame costs, materials, CO₂ emissions and install time all with no compromise on performance using our lightweight Solar Bracing Kits.

By replacing heavy steel cross sections with strong but lightweight wire rope bracing you can significantly reduce material, transport and logistics costs, as well as embodied CO₂.

Key Specifications

Max. Working Load

1750 kg | 3860 lbs

Wire Range

3 to 6 mm (3/25 in to 6/25 in)

Design Life

30+ Years

Working Temperature

-20 to +70°C (-4 to +158 °F)

Benefits

High Performance

Our lightweight wire rope kits offer comparable real world bracing performance to heavy steel box section, strut or angle iron bracing, with a max load of 17.2kN.

Dependable Global Supply

All our Gripple kits are manufactured in house in the UK and USA and supplied globally via our 15 worldwide locations in Europe, USA, Asia and Australia.



Significant Steel Savings

Reduce your steel costs by switching to wire rope bracing kits, removing up to 93% of the steel used compared with heavy steel cross braces.

Fast to Install

Contractors can easily install our kits in minutes on site using just hand tools and with minimal training.



Reduced Embodied CO₂

Our lightweight wire rope bracing kits contain as little as 14% of the embodied carbon compared with some heavy steel bracing.

Flexible on Site

Don't let on site issues impact your install. Our wire rope kits allow you the flexibility to install even if posts are misaligned.



Solar Bracing Range Performance

Bracing Kit 3

Max. Working Load

400 kg | 880 lb

Breaking Load

800 kg | 1760 lb

Wire Diameter

3 mm | 1/8 in

Bracing Kit 4

Max. Working Load

750 kg | 1650 lb

Breaking Load

1200 kg | 2646 lb

Wire Diameter

4 mm | 5/32 in

Bracing Kit 6

Max. Working Load

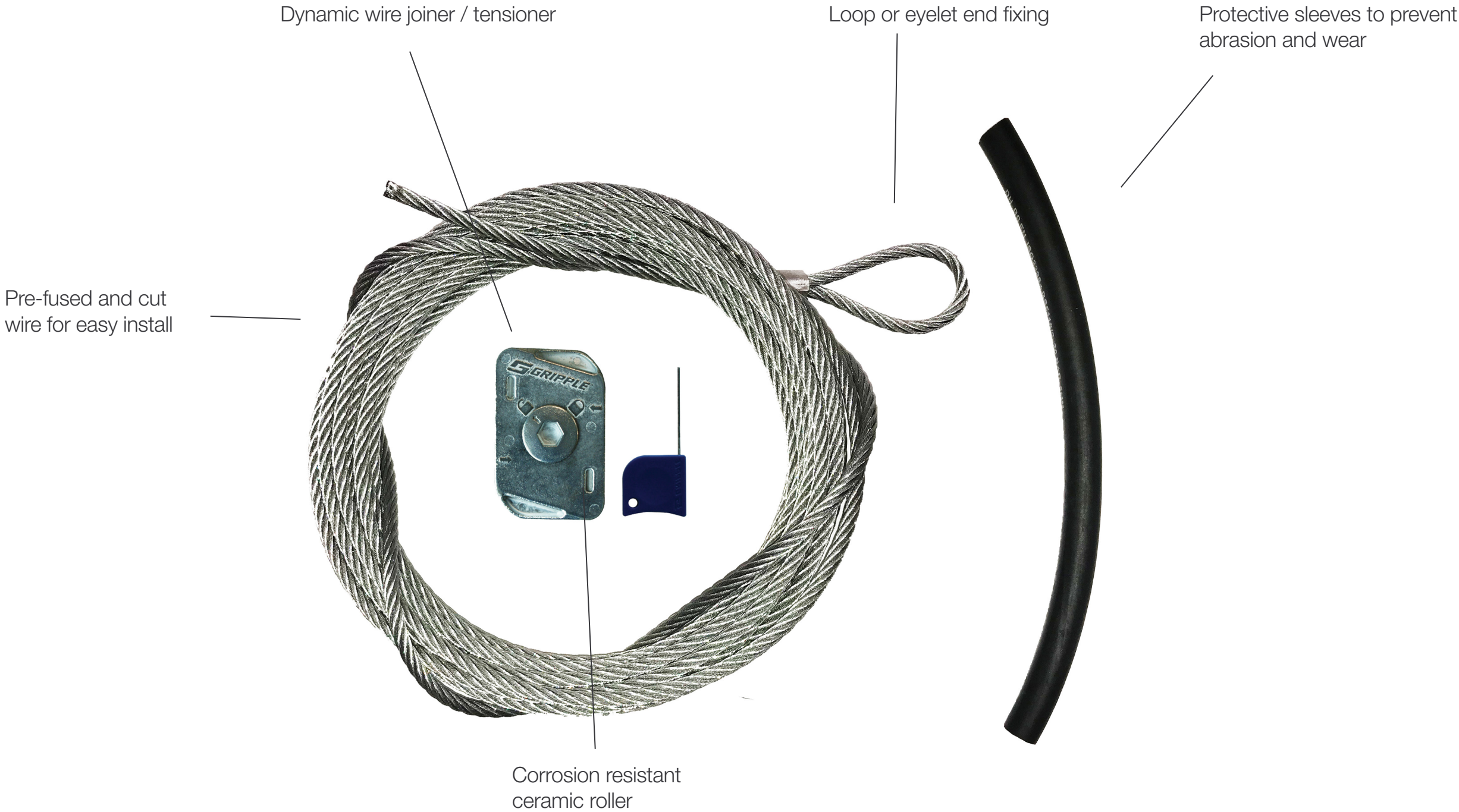
1750 kg | 3850 lb

Breaking Load

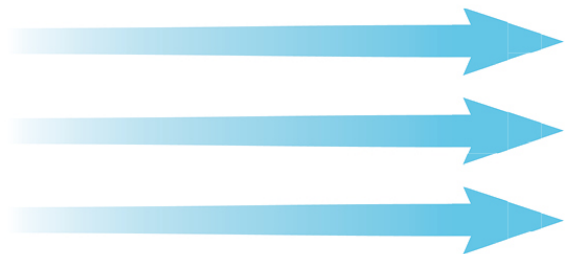
2200 kg | 4850 lb

Wire Diameter

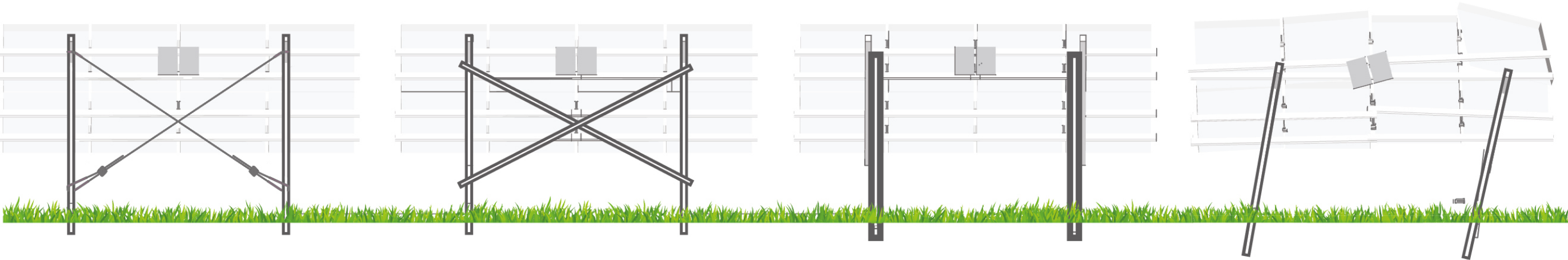
6 mm | 0.24 in



Performance Comparison



110 mph Wind
(E/W 14.5kn)



Gripple Bracing

Steel Cross Bracing

Reinforced Piles

Unbraced Frame

Additional Steel Weight
Deflection

1.4 kg
<10 mm

11.19 kg
<10 mm

99.2 kg
<10 mm

0 kg
42.2 mm

Solar Anchoring Kits

Solar Frame Ground Anchors

Overcome pile refusals, support existing foundations and correct misalignment using our fast to install, lightweight high performance solar ground anchors.

You know how sometimes traditional solar frame foundations like steel piles or concrete ballasts are refused on installation or become misaligned?

At Gripple we have a range of high-performance solar ground anchors which support your existing foundations when needed or even anchor tables independently.

Key Spec

Max. Anchor Performance (Very Dense Soil)
2,750 kg | 6,060 lbs

Surface Area Range
39 to 191.3 cm² (6 to 29.6 in²)

Max Tendon Load Rating
2750 kg | 6,060 lbs

Design Life
30 Years + (ground type dependent)

Benefits

High Performance

Up to 2750kg | 6,060 lbs depending on soil type.

Efficient

Reduce material costs by supporting shallower foundations with ground anchors.

Fast to Install

Install in minutes using just hand tools.

Green

Reduce project emissions thanks to no heavy plant, and reduced embodied CO₂.

Versatile

Use as the primary foundation, or as a support for existing piles or ballasts.

Undisruptive

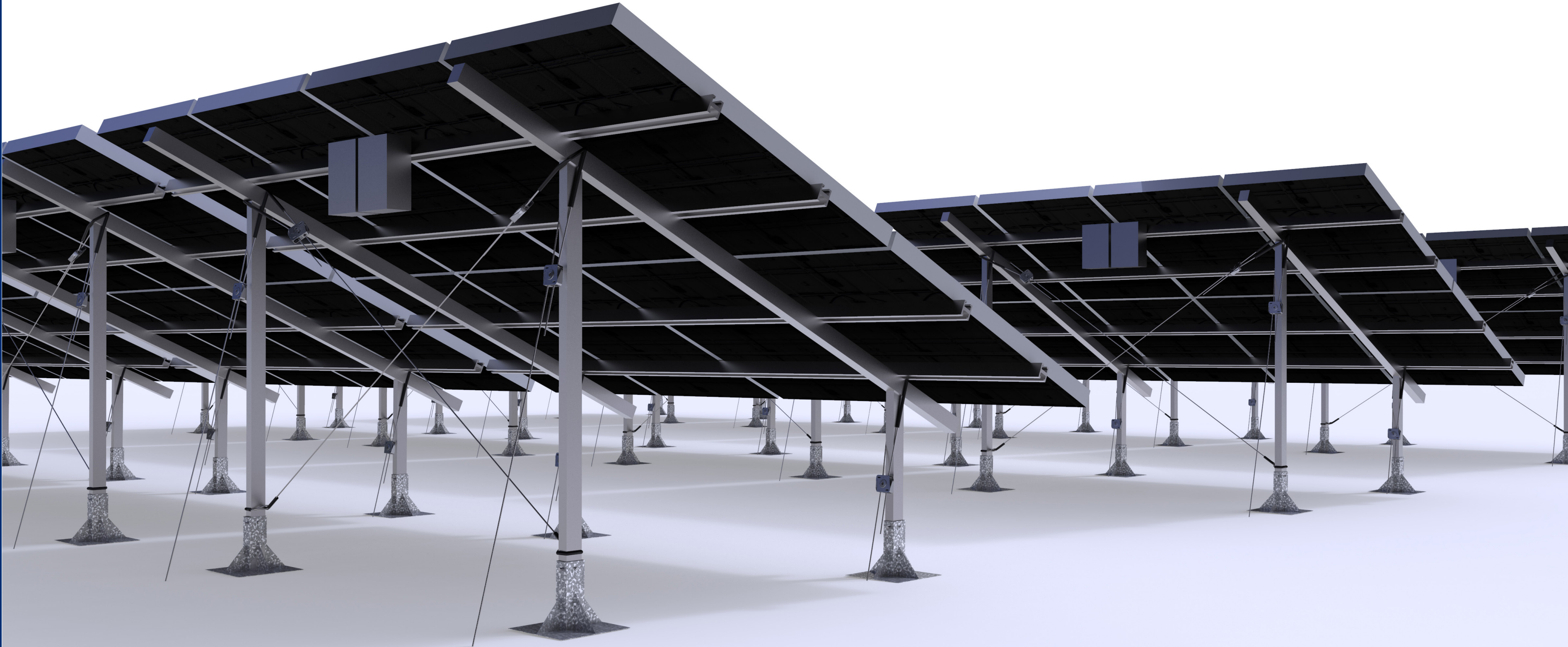
Install with minimal soil disturbance allowing landfill or brownfield to be developed.

Easy to Handle

Lightweight kits are easy to transport and can be carried by hand on site.

Easy to Use

Install in minutes using just hand tools.



Solar Anchoring Range Performance

Solar Anchoring Kit 1250

Max. Working Load

up to 1250 kg | 2755 lbs

Anchor Surface Area

39 cm² | 6 in²

Tendon Wire Diameter

3 mm | 1/8 in

Solar Anchoring Kit 1750

Max. Working Load

up to 1750 kg | 3860 lbs

Anchor Surface Area

84 cm² | 13 in²

Tendon Wire Diameter

6 mm | 1/4 in

Solar Anchoring Kit 2750

Max. Working Load

up to 2750 kg | 6060 lbs

Anchor Surface Area

191.3 cm² | 29.6 in²

Tendon Wire Diameter

8 mm | 5/16 in



Supporting You at Every Step

Here at Gripple we are more than just a supplier, we're here to support you at every step to make sure you have the right solution for your project.

Our dedicated solar team regularly support EPC's, contractors, developers and OEM's, by providing a range of technical services to aid in project specification and delivery.



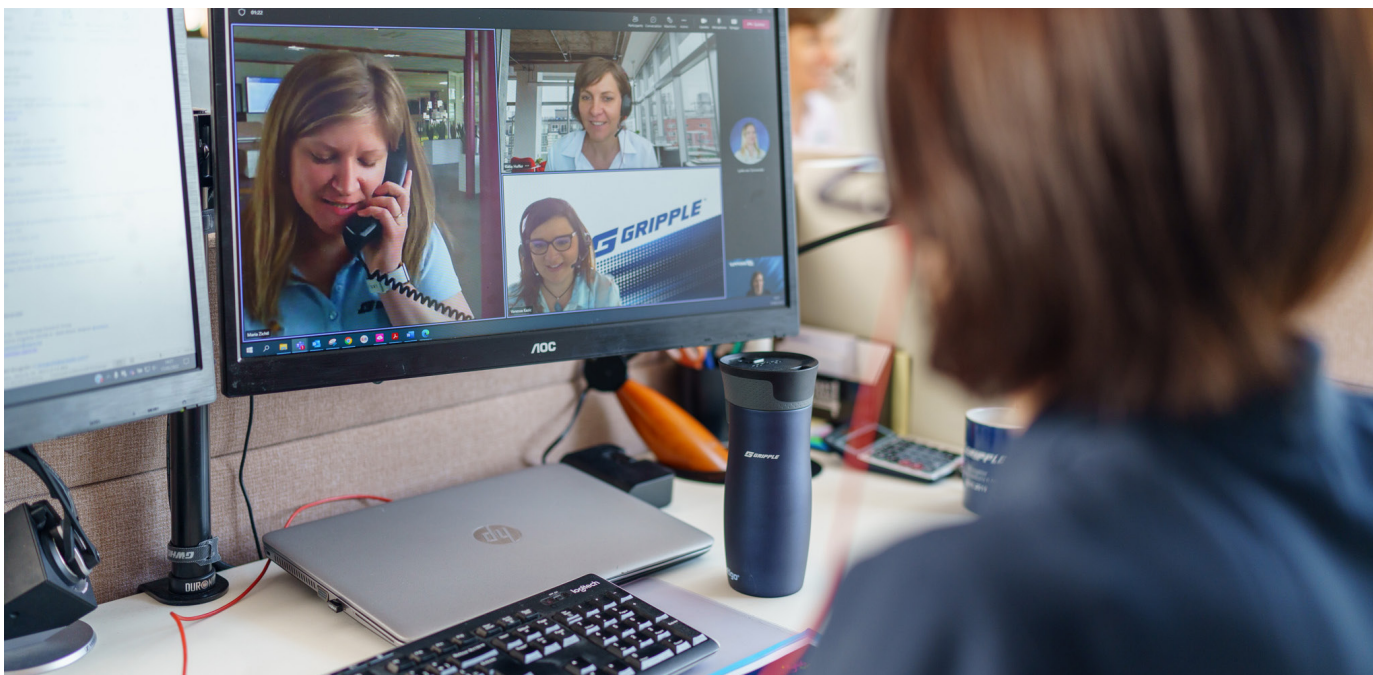
Engineering Designs



Site Layout Planning Support



Installation Training



Project Support



BOM Recommendations



Live Project Trials