



WORKING WEEKS SAVED*

18 WEEKS

EMBODIED CO₂ SAVED

2.3 TONNES

EQUIVALENT OF PLANTING

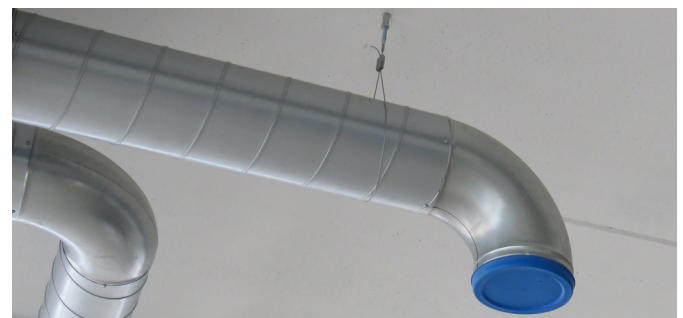
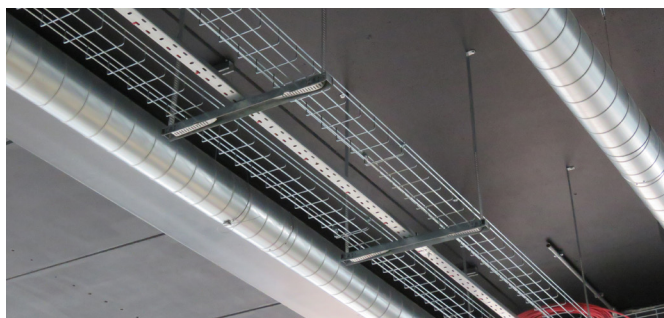
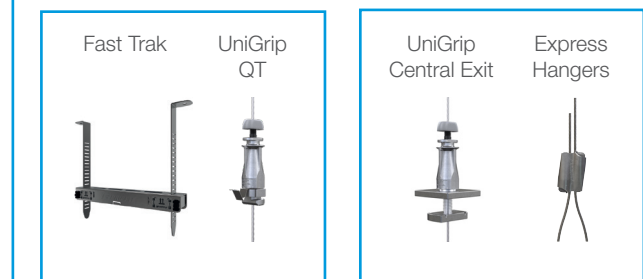
14 TREES

A three storey office development in Stevenage, Hertfordshire was built in early 2021. The building includes office space, a restaurant, meeting rooms and supporting facilities. For the suspension of electrical containment, pipework and HVAC services, Gripple supplied **Fast Trak**, **UniGrip QT**, **UniGrip - Central Exit**, **Universal Brackets**, **Express Hangers**, **QT Universal Clamps**, **Universal Clamps**, **Standard Hangers**, **Y-Fit Accessories**, **Cable Tray Clips** and **Cable Basket Clips**.

Project Summary

Main contractor	Willmott Dixon
M&E contractor	Kershaw Mechanical Services Limited
Building type	Commercial
Services	Electrical containment, pipework & HVAC services

Featured Products



"We used Gripple products due to the speed of installation and labour savings compared to traditional suspension systems. The customer service at Gripple is always very helpful, Gripple has a solution for most applications and it's easy to use their products and receive technical advice on suspending our MEP services."

- Site Supervisor, Kershaw Mechanical Services Limited -

REDUCTION SUMMARY

	Gripple solution	Traditional method
Overview	Fast Trak, UniGrip QT, UniGrip - Central Exit, Universal Brackets, Express Hangers, QT Universal Clamps, Universal Clamps, Standard Hangers, Y-Fit Accessories, Cable Tray Clips and Cable Basket Clips	Channel, threaded rod, channel nuts and pipe rings
Installation Time	451 hours	1,185 hours
Total Material Weight	2,280 kg	3,285 kg
Total Embodied CO ₂	5,177 kg	7,456 kg

*Figure based on one installer working for eight hours a day

Data taken from the following sources:
BSRIA guide 'The Inventory of Carbon & Energy'. Channel based on typical weight and Embodied Carbon value for recycled ROW construction.
Threaded Rod Weight Taken from DIN975 Document 'http://www.dinstock.com/useruploads/files/threaded_rods_din975.pdf'
Embodied CO₂ Constant Multiplier (kg CO₂/ kg material) Taken From ICE (Inventory of Carbon and Energy) Document
Author: Dr. Craig Jones & Professor Geoffre Hammond. Version: V3.0 = 10 Nov 2019 http://www.circularecology.com/embodied-energy-and-carbon-footprint-database.html



PROJECT DETAILS

This office building in Stevenage has been purpose built for a multinational company. The £20m commercial development has 1,268 sqm of floor space across three storeys. Main contractor for this project, Willmott Dixon appointed Kershaw Mechanical Services as the M&E contractor. Kershaw have utilised GripplE products on a number of previous projects so were confident that GripplE could provide a solution for suspending electrical containment, pipework and HVAC systems on-site.

Strict timescales meant that Kershaw were seeking a faster and more cost-effective alternative to traditional systems. After consultation with a GripplE representative, Fast Trak, GripplE's rapid trapeze bracket solution, was proposed for securing the electrical containment on the project. Fast Trak is a pre-fabricated trapeze bracket solution, which delivered significant time savings. Fast Trak is also a zero waste product, comprising metal tracks and mounting brackets which arrive to site in pre-cut lengths.

GripplE's UniGrip - QT suspension system was used to suspend air conditioning units on-site. UniGrip - QT offers quarter turn installation to GripplE Universal Brackets, removing the need for a mechanical fix. UniGrip was also used in conjunction with QT Universal Clamps and Universal Brackets to suspend pipework systems on-site. Universal Brackets arrived to site pre-cut to required lengths, eliminating on-site cutting and filing requirements that are characteristic of traditional suspension systems.

GripplE Pipe Clamps offer tool-free installation and quick attachment to the brackets, again ensuring Kershaw could

make significant labour savings during the installation of pipework. Kershaw used GripplE's UniGrip - Central Exit system for suspending primary rectangular ductwork on this project. UniGrip hangers were supplied as a ready-to-use kit with a Toggle end fixing, length of wire and channel nuts in order to fix directly onto channel supports.

Kershaw also used GripplE Express No. 2 to efficiently suspend secondary spiral ductwork. Express No. 2 is a tool free suspension kit with a keyless release mechanism for the fast suspension of a variety of building services including mechanical, electrical and lighting applications. By choosing to switch from traditional installation methods to GripplE products, Kershaw were able to maintain project timescales and provide the client with a visually pleasing and viable alternative to threaded rod and channel.

All fixings and products used on-site had to be approved by Willmott Dixon prior to installation. GripplE's Sales Support team were on hand to provide technical guidance in the form of data submittal packs alongside a product fixing board. This enabled multiple stakeholders on-site to have full visibility of GripplE products and understand how they can be installed in an efficient manner.

A GripplE representative also conducted a pull test on-site and a report was presented to Willmott Dixon in order for them to have full oversight on GripplE's product specifications including load ratings, safety factors and safe working loads. Kershaw have now used GripplE products on various projects to save time on the installation of electrical containment and mechanical services.

