A comprehensive flat roof framework system
Budget Feet

Roof Runner offers a comprehensive flat roof framework system for supporting and containing building services, equipment and access solutions on roofs and outdoor field locations.

The Roof runner flat roof framework system is fully adjustable, can be modified to suit changing requirements and supports all services independent of the roof structure. All roofrunner products are designed and manufactured in house by our specialist team of highly experienced engineers. Our unique supply chain is sourced from British companies to ensure all materials are of world class standard and quality.

ROOF RUNNER SERVICE
Roof Runner Systems are designed according to the needs of each project in order to create the unique solution required, taking into account the loading requirements of roof and equipment as well as the stability and clearance requirements.

EXTENSIVE PRODUCT RANGE
The entire range of FRF support systems caters for all loads and purposes and is available off-the-shelf and to specification. Roof Runner is lightweight, available in any height or width and is fully adjustable to allow for sloping or un-even roof surfaces.

Budget Duty

Roof Runner BD is ideal for low cost installations where price is paramount. Manufactured from our identical ethafoam structure that you will find on all our other support feet range, the 65kg/m³ base provides a strong and super lightweight foundation whilst maintaining UV resistance, expansion, contraction and vibration requirements. Suitable for supporting cable tray, pipework or any light loading apparatus the Roofrunner BD provides a fast and safe support unit in all environments.
Support Feet

Light Duty: Twin Hole
Roof Runner LD (300mmL x 100mmW x 50mmH)

The Twin Hole LD Foot is ideal for directly securing electrical cable tray on to the 2 x 6mm riveted centres. Saving dramatically on installation time this is a superb versatile support application.

Light Duty
Roof Runner LD (300mmL x 100mmW x 50mmH)

Our flexible and lightweight support foot is expert at supporting cable tray, smaller pipe systems, ducting and condenser units. Though it may be the smallest in the range it still can manage individual loadings of 110kgs per foot making it a great versatile support with large capabilities.

Medium Duty
Roof Runner MD (300mmL x 300mmW x 50mmH)

The mid range support foot is ideal for use with larger ducting runs. Chiller units, AHUs and access walkways. Capable of loadings up to 330kgs per foot it provides excellent support for all larger units that require an increase in frame span and load balance.

Heavy Duty
Roof Runner HD (400mmL x 300mmW x 50mmH)

Our largest support foot out of the three is ideally required when supporting extra large loads and areas such as plant rooms and larger AHUs. The extra span of the FRF400 foot can accommodate a hefty 440kgs individually and provides the greatest stability for even the largest of units or services.

Super Duty
Roof Runner SD (500mmL x 500mmW x 50mmH)

Our largest support foot is ideally required when supporting extra large loads and areas such as plant rooms and larger AHUs. The extra span of the SD foot can accommodate a hefty 900kgs individually and provides the greatest stability for even the largest of units or services.

The Advantages
Dramatically reduces installation time by eliminating any drilling work requirements. Pre-assembled 10mm rivet holes plus 6mm reducers provide ease of assembly for all cable tray layouts. Also available is the pre-assembled channel framework for raised cable tray requirements or pipe support systems.

Roof Runner use a unique ethafoam base to provide maximum protection to the roof membrane without the need for any mats or penetrative fixings. Our technical design team will create a solution based on the four different size supports according to the loading requirements and size of service/unit being installed.

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FEET: DRAWINGS
The range of Roof Runner support systems cater for all loads and purposes and is available off-the-shelf and to specification.

Flat Roof Framework
Roof Runner offer a comprehensive flat roof framework system for supporting and containing building services, equipment and access solutions on roofs and under floor installations. The framework system is fully adjustable, can be modified to suit changing requirements and supports all services independent of the roof structure.

Flat Roof Service
The designs are according to the needs of each project in order to create the unique solution required, taking into account the loading requirements of roof and equipment as well as the stability and clearance requirements.

Extensive Product Range
The entire range of support systems caters for all loads and purposes and is available off-the-shelf and to specification. The range is lightweight, available in any height or width and is fully adjustable to allow for sloping or un-even roof surfaces.

Our main size frames are as follows:
Roof Runner can design and manufacture any size requirements needed to support all unit sizes and loadings. Please contact our team with your details and requirements for the project in hand.

Our frames come in either light duty comprising of single channel 41x41x2.5mm and supported by the Light Duty Roof Runner foot. Or the medium / heavy duty versions comprising of steel 50mm square box section and supported by our MD and HD support feet.

Engineered and manufactured in Great Britain

Flat Roof Framework is manufactured and supplied by Roof Runner. To find out more about flat roof design, flat roof framing and Roof Runner Systems please contact us or download our brochure.

LOW LEVEL SUPPORT FRAME
This frame is designed to locate directly onto the LD, MD, HD and SD support feet. It helps when there is an issue with roof plant equipment heights that may be visible from ground level resulting in potential planning restrictions.

Equipment can be kept low as possible to the roof level (100mm) avoiding complications with height and maintaining simple and efficient installation. Again these frames can be manufactured in house to any size requirements that you may require.
NOTE
All framework is measured and made to order.
Contact us now for further information.
All framework the is completely adjustable.
H Frames

Our H frame kits provide very quick and easy installation supports for a variety of services such as cable tray, pipe supports and ductwork.

We offer three installation sizes beginning with Roof Runner 150 H Frame kit, Roof Runner 300 kit, Roof Runner 400 H Frame kit.

All kits include support feet, fixtures and fittings as standard. However we also provide pre-assembled kits to include unistrut channel cut to any bespoke size requirements you may have for increased ease of installation.

Please contact us to discuss your project requirements, as every job is tailored to suit your needs.

LD H FRAME KIT

Our light duty support frame is ideal for cable tray, small pipe work and ducting.

The kit comes complete with:
- LD roofrunner support feet
- Channel Adaptors
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps

MD H FRAME KIT

Our medium duty frame provides extra support for larger ductwork or twin support of dual ducts, multiple cable tray or large pipe supports.

The kit comes complete with:
- MD roofrunner support feet
- Channel Adaptors
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps

HD H FRAME KIT

Our heavy duty frame provides ultimate support for the largest of duct work or multiple support requirements when combining a variety of building services.

The kit comes complete with:
- HD roofrunner support feet
- Channel Adaptor
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps
H-FRAMES: DRAWINGS
Roofrunner manufacture a diverse and complete range of products for access solutions to provide safe passage in and around service equipment on flat roofs.

Bespoke systems are designed in house to meet any size or specialized requirement your project may need. We can offer standard or heavy duty steel platforms for personnel access or large unit supports. Low or high level step up and over systems all complete with handrail guarding.

Step over system: For larger and higher clearance requirements our stepover systems are readily available manufactured to any size. Supported on our height adjustable FRF 300 feet these stepover systems are ideal to provide access over larger duct or pipework even in or around pitched or uneven roof areas.

Walkways + Steps

Roofrunner Access walkways can be created to suit the specific requirements of the project, taking into account the safety requirements of access equipment. All Roofrunner access walkways are carried on adjustable feet to ensure the system is level and secure with handrails to British Standards.

Access Walkways

Access Steps

Access Step-up and Overs

All walkways and step systems are designed and manufactured to your specific needs and requirements. Providing safe access over and around service equipment on flat roofs. All systems are manufactured and designed to BS 5395 and are HDG steel finish as standard.
STEP UP SYSTEMS + WALKWAYS

**STEP OVER SYSTEM**
1. 100 x 25 GRID
2. 41 x 41 CHANNEL
3. STD. MD FEET

**MD STEP UP**
1. 100 x 25 GRID
2. 40 x 40 RHS & 6THK PLATE
3. STD. MD FEET

**MD STEP OVER WITH LD STEP UP**
1. 100 x 25 GRID
2. 41 x 41 CHANNEL
3. STD. MD FEET

**MD STEP UP**
1. 100 x 25 GRID
2. 40 x 40 RHS & 6THK PLATE
3. STD. MD FEET
Both systems are pre-assembled and provide heavy duty support due to the extra ballast loading requirements for these panels.

When supporting the larger Thermal collector panels, RoofRunner can offer two types of systems. The first design is a complete framework providing an A-frame and base section for ballast loading. The second is the base section only giving you flexibility if you already have the manufacturer’s A-frame provided. Both systems are pre-assembled and provide heavy duty support due to the extra ballast loading requirements for these panels.

RoofRunners Solar thermal collector support frames are specifically designed to allow for the larger size of these modules when compared to standard PV panels. Frames can be manufactured individually per panel or dual for two collectors positioned together. Our RoofRunner MD and HD support feet allow for the extra ballast loading requirement together with our heavier duty steel support frames.
Roofrunners versatile PV support systems are much stronger and durable than any Aluminium system currently on the marketplace. Our Hot dip galvanised steel structures provide excellent strength and 25 year guarantee out lasting any panel lifetime.

High or low ballasts can be accommodated through the strength of our system and any angle requirement can be made to suit. Wind flow and panel temperature cooling are superior when compared to plastic consoles due to our elevated panel positions on the framework and rear airflow access.

1. Sunshine/rays
2. PV cells on the panels turn the light into DC electricity
3. The current flows into an inverter, which converts it to AC electricity ready to be used
4. The current is fed through a meter and then into your home’s consumer unit
5. Plug in and switch on. Your system will automatically use the free electricity you’ve generated, then switch back to the grid as needed.
Field Systems

Roofrunners specialist solar field framework is designed to provide two options for agricultural environment installations. For a greener and highly efficient installation we provide pre cast concrete support feet which attach directly to our steel support frames. These feet eliminate the need for digging trenches and using excessive amounts of concrete per row.

The local environment and individual fields are therefore far less damaged and in the event the solar panels need to be removed in the future this system is totally flexible and environmentally friendly. Additional ballast is easily installed upon the central base channel supports to comply with British wind loading standards.

A second system is available if you wish to install the support framework directly onto concrete trenches. All A frame sections can simply be bolted in position and secured on to the concrete itself. The advantage with this system is the elimination of additional leaning machinery. Both systems are supplied with fully adjustable leveling systems to take into account the unevenness in land topography. Roofrunner can design and manufacture any panel layout beyond from single row systems through to multiple group strips.

Having been involved in specialist support systems for 30 years FRF Systems were recently asked by Birmingham city council to design a flat roof support system for PV/solar panels as part of their energy reduction programme. The project is a large scheme aimed at highlighting the energy savings capable by a major city when installing pv panels on various buildings across Birmingham.

The savings made will then be illustrated to other towns and cities across the uk as well as all industry sectors in the attempt to reduce their respected carbon footprint by 2026.

Therefore we have created a framework designed as with all our other framework to be installed with ease and efficiency. There is no need to drill our framework or the roof membrane for installation thus eliminating any damage or water leakage. Weighted down accordingly by ballast the framework can withstand high wind loads capable of up to a 45 degree tilt.

Manufactured from galvanized steel channel and bracketry each frame support will exceed the lifetime of any solar or pv panel. Weighted down accordingly by ballast the framework can withstand high wind loads capable of up to a 45 degree tilt.

Available to support a wide range of various solar modules without the need for any adjustment to the framework.

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