



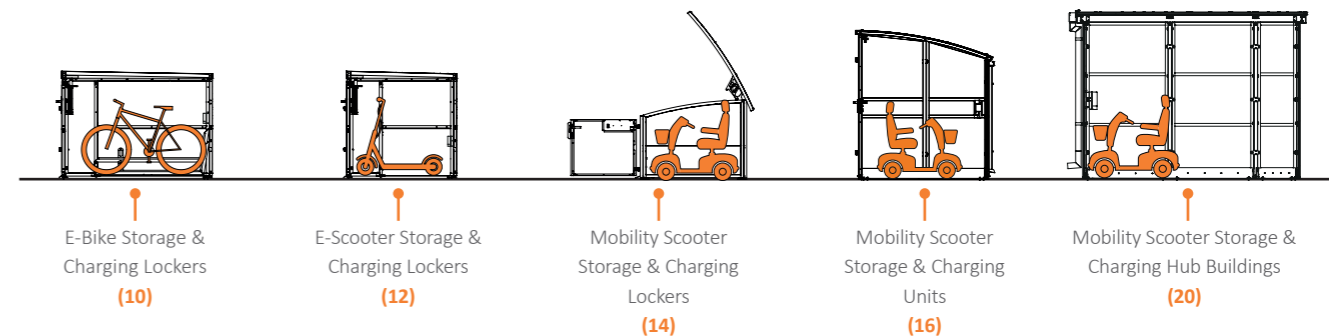
# Personal Mobility Device Charging & Storage

2022 Product Range Overview

metro**STOR**<sup>®</sup>

## Contents

About Streetspace Group	4	Mobility Scooter Storage & Charging Hub Buildings	20
Personal Mobility Device Storage & Charging Products	6	Product Specification Availability	24
Fire Safety	8	UK Manufacturing	26
E-Bike Storage & Charging Lockers	10		
E-Scooter Storage & Charging Lockers	12		
Mobility Scooter Storage & Charging Lockers	14		
Mobility Scooter Storage & Charging Units	16		



---

## About Streetspace Group

Creating better places for generations.

Streetspace cycle parking systems, canopy structures and street furniture help build sustainable infrastructure and establish vibrant communities. metroSTOR streetscene waste and recycling storage systems reduce carbon emissions from kerbside collections, increasing recycling rates while reducing fire risk and helping deliver cleaner communities.

For over 30 years, our team has worked in the design and construction of public open space, with Streetspace and metroSTOR established as leading manufacturers of urban streetscene products over the past decade. We operate throughout the UK and Europe across a broad range of sectors from local authority, waste management and construction to education and sport.

All Streetspace and metroSTOR products are UK manufactured in our own factories with a range that includes canopies, covered walkways, tensile fabric structures, glazed buildings, green roof, cycle parking, bin stores and street furniture. With an R&D Centre committed to innovation in sustainable infrastructure, we have unrivalled capability to meet the specialised demands from our industry sectors.

Positioned as the go-to resource for project managers and specifiers; group products are designed for ease of specification, configurable to meet individual requirements with CAD models available for immediate download in most digital formats. Specialist consultants work closely with customers to engineer cost effective project solutions from both standard and bespoke production.



Safe, Secure and  
Compliant External  
Storage and Charging  
Facilities

## Personal Mobility Device Storage & Charging Products

Greener forms of travel such as e-bikes, e-scooters and mobility scooters are central to today's urban communities and metroSTOR secure external storage and charging facilities are designed to reduce fire and theft risks for personal mobility devices.

As the UK's leading manufacturer of external storage and charging units for personal mobility devices, metroSTOR BIKE-E, BIKE-ES, PSL, PSM and PSH provide safe storage and individual battery charging for e-bikes, e-scooters and mobility scooters, from single locker format to communal hub buildings.

With easy to configure specifications that include options for fire-resistant enclosures, energy consumption metering, access control, security ratings and product finishes, metroSTOR personal mobility device storage and charging units are proven product systems backed by a 3 year limited warranty.

As a brand of Streetspace, metroSTOR project delivery capability extends to turnkey installation packages including planning applications, enabling civil engineering and electrical works.

Designed to reduce fire and theft risks for personal mobility devices.



### E-Bike / E-Scooter Storage & Charging Lockers

metroSTOR BIKE-E and BIKE-ES units provide safe, secure storage with individual lockable racks and battery charging. Customisable for fire-resistant enclosure specification, energy metering systems and access control, graphics and choice of panel colours are available.



### Mobility Scooter Storage & Charging Units

metroSTOR PSM is the drive-in unit, providing secure, easy-to-use storage and charging for all sizes of mobility scooters. Available in individual modules that can be specified in a series of up to 6 stores with configurable cladding, locking systems and roof types.



### Mobility Scooter Storage & Charging Lockers

metroSTOR PSL is a low profile single locker for mobility scooters, designed to minimise visual impact making it easy to incorporate into front garden areas. With integral battery charging and powered roof opening the metroSTOR PSL is easy to use.



### Mobility Scooter Storage & Charging Hub Buildings

metroSTOR PSH is a communal hub for the compliant storage and charging of mobility scooters in a single accessible location. Standard unit sizes to accommodate from 2 scooters to 16, with configurable access systems, finishes, roof types and wall panels.

## Fire Safety

Personal mobility devices stored inside buildings can represent a serious fire risk. They are a potential source of ignition, are highly combustible and if parked in hallways, can obstruct fire escapes. Many social landlords have banned a range of personal mobility devices from being stored or charged inside residents' flats or communal spaces to address fire risk assessment actions.

Even small Lithium-ion batteries can explode with force and burn fiercely if damaged, either physically or through overcharging, an action known as 'thermal runaway'. When this occurs, significant volumes of toxic gasses are emitted that can be between 300-6000L from a 1kWh battery typically fitted to an e-bike.

In poorly-ventilated areas this can lead both to fatalities through inhalation but also a major deflagration when ignited, with fire then spreading via any combustible materials that are present such as tyres, seats, fenders, carpets and furniture, etc.

The effects of such an event occurring anywhere inside a building are unthinkable and while relatively simple steps can be taken to reduce the risk such as not charging at night-time, fitting alarms, etc ultimately the only way to remove the risk is to create secure external charging points.

In the case of rented dwellings landlords have obligations under the Fire Safety Order to ensure that tenants are not exposed to

fire risk and that escape routes are maintained. They have a legal responsibility to maintain common areas in a sterile condition (no combustibles), and this extends to minimising particular risks within tenants' flats such as mobility scooters, with many landlords adopting the relevant NFCC guidance.



The National Fire Chiefs Council (NFCC) has developed statutory guidance to reduce fire risk associated with mobility scooter battery charging and storage, with the recommendation that if fire-resistant storage cannot be created within the building, then secure external storage with provision for charging should be provided at least six metres from dwellings.

metroSTOR personal mobility device charging units have been developed in response to statutory guidance and the fire resistant cladding specification reduces fire risk in locations where the recommended distance from dwellings cannot be achieved due to site constraints. metroSTOR Fire Resistant cladding specification includes a factory fitted fireboard lining system to all external elevations and intumescent seals to the eaves detail.



# E-Bike Storage & Charging Lockers



## metroSTOR BIKE-E

Each metroSTOR BIKE-E module provides secure external storage and individual charging sockets for 4no. e-bikes within a 2550mm x 2195mm footprint enabling generous internal dimensions to accommodate larger e-bikes. The low profile design is suitable for accessible and on-street locations while the metroSTOR modular product system enables additional capacity to be added in the future as demand increases.

Customisable for fire-resistant enclosure specification, energy metering systems and access control, the clean design aesthetic of

metroSTOR BIKE-E communicates intent with clear e-bike graphics, and choice of panel colours.

Engineered for security, the BIKE-E locker module achieves Sold Secure Bronze accreditation as standard (with the exception of mechanical keypad access control). Shielded locks, reinforced hinges and steel external panels with an innovative interlocking design that has no external fixings. All bolted internal frame and ground fixings have shear type security fixings. and welded security locking points at the front of the store makes loading and securing cycles easy.



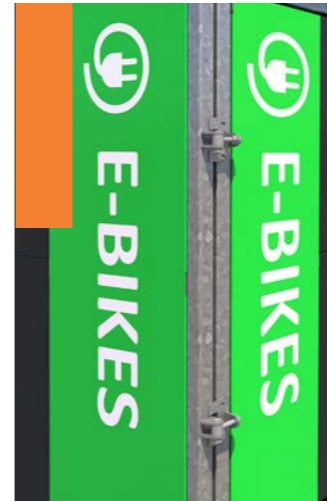
## All Steel Construction

An all steel construction with frame, doors and cycle racks with hot dip galvanised coating for long life in tough urban environments.



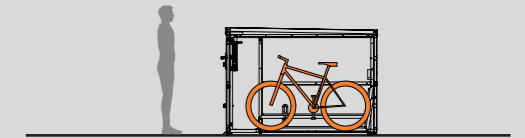
## Access Control Options

App-based, electronic fob, mechanical keypad, key operated systems and integral slide bolt for individual padlock user access.



## Customisable

Fire-resistant enclosure, energy metering system, access control and choice of panel colours are available.



Model	Number of e-bikes Stored	Maximum Dimensions (mm)		
		Depth	Width	Height
BIKE-E	4	2225	2550	1488

# E-Scooter Storage & Charging Lockers



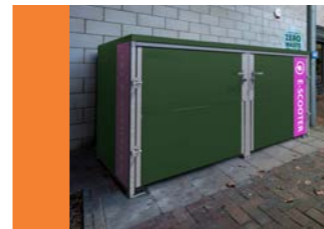
## metroSTOR BIKE-ES

Each metroSTOR BIKE-ES module provides secure external storage and individual charging sockets for 6no. e-scooters within a compact 2550mm x 1500mm footprint. The low profile design is suitable for accessible locations and on-street applications while the metroSTOR modular product system enables additional capacity to be added in the future as demand increases.

Customisable for fire-resistant enclosure specification, energy metering systems and access control, the clean design aesthetic of metroSTOR BIKE-ES communicates intent with clear e-scooter

graphics, and choice of panel colours.

Engineered for security, the BIKE-ES locker module achieves Sold Secure Bronze accreditation as standard (with the exception of mechanical keypad access control). Shielded locks, reinforced hinges and steel external panels with an innovative interlocking design that has no external fixings. All bolted internal frame and ground fixings have shear type security fixings. and welded security locking points at the front of the store makes loading and securing cycles easy.



## Fire Safety

metroSTOR Fire Resistant cladding specification adds a factory fitted internal fireboard lining system to all unit elevations and roof with intumescent seals to the eaves.



## Customisable

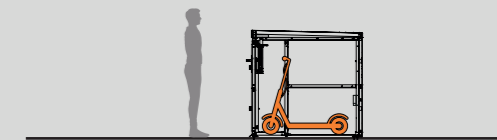
Fire-resistant enclosure, energy metering system, access control and choice of panel colours are available.



## Integral E-Scooter Charging Points

RCD protected system with separate IP rated 3-pin electrical socket for each e-scooter.

metroSTOR BIKE-ES



Model	Number of e-scooters Stored	Maximum Dimensions (mm)		
		Depth	Width	Height
BIKE-ES	6	1525	2550	1488

# Mobility Scooter Storage & Charging Lockers



## metroSTOR PSL

metroSTOR's PSL Mobility Scooter Storage & Charging Locker provides class 1 and 2 mobility scooter and electric wheelchair users with a low profile, secure and easy to use facility ideally suited to property frontage locations.

Locker door access incorporates the Locinox 40 system with a number of access control options available and the roof locking system automatically releases once the access door is opened. Designed for ease of operation, the powered roof control switch is located internally to the locker, along with the battery charging

panel and motion sensing LED lighting.

The metroSTOR PSL site-assembled panel system makes installation in difficult to access areas straightforward and the unit power requirements run from an outdoor RCD protected wall socket, reducing site set up costs and enabling future relocation as required.



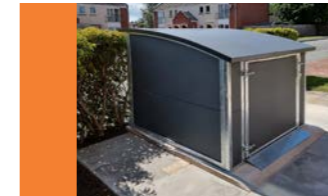
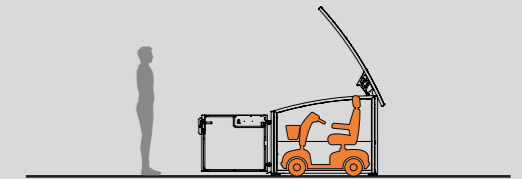
## Roof Locking System

The powered roof control switch is only available once the access door has been opened, blocking unauthorised use.



## External Storage Solution

Installing a metroSTOR PSL mobility scooter unit provides an external storage solution to address the six metre distance guidance.



## Cladding Options

metroSTOR PSL mobility scooter charging lockers can be specified with a selection of panel cladding options.

Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Class 1 or 2	Depth	Width
PSL	1	1634	1430	1152



# Mobility Scooter Storage & Charging Units



## metroSTOR PSM

The original scooter store, metroSTOR PSM is designed to provide users with a secure, easy-to-use storage and charging facility, protected at all times from the elements within a compact footprint. The unobtrusive design means the metroSTOR PSM can be positioned in accessible locations close to buildings without undue visual impact.

metroSTOR PSM is manufactured in three product variants from 1050mm width modules where space on site is restricted, to 1600mm width for the larger Class 3 mobility scooters or where users will require additional space for access.

This highly flexible specification extends to a class leading choice of panel types including fire-resistant options, enabling metroSTOR PSM units to add a welcome architectural impact to a scheme in addition to fulfilling a vital storage function.

metroSTOR PSM structures are designed and manufactured in the UK by Streetspace under BS EN 9001:2015, BS EN 9001:2015 and BS EN 1090 accredited processes. Hot dip galvanised coating is standard with colour powder coat options. Each unit is supplied with factory assembled electrical panels containing IP rated sockets for chargers.



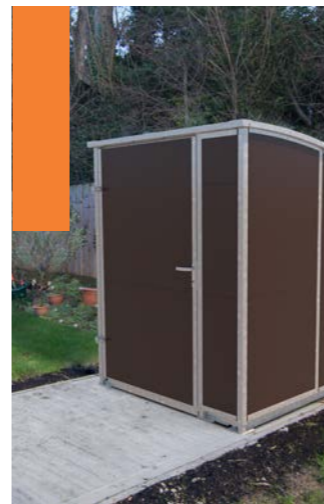
## Configurable

Clear website information for configurations and options. CAD blocks and BIM models are also available to download.



## Customisable

metroSTOR PSM units can be specified with doors left or right-handed to suit narrow access paths.



## Fire-Resistance

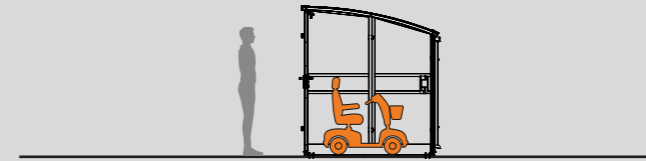
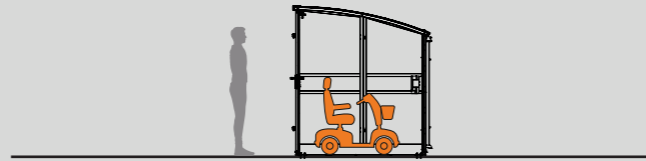
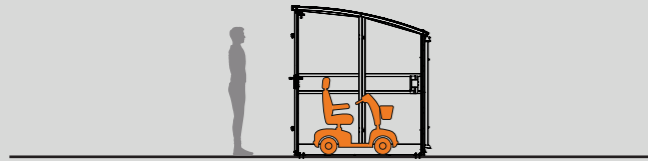
metroSTOR PSH mobility scooter charging units can be specified with fire-resistant wall and roof cladding options.

## Mobility Scooter Units Product Overview

**metroSTOR PSMN** unit has a module width of 1050mm, which enables the storage of class 1 or 2 mobility scooters. A good choice if space is particularly restricted, but we recommend the PSM variant is always considered first due to the extra versatility for class 3 scooters and space for users.

**metroSTOR PSM** unit has a module width of 1250mm and is the most popular variant, accommodating standard class 1, 2 or 3 mobility scooters and allowing space internally for users to get on and off the scooter.

**metroSTOR PSMX** unit has a module width of 1600mm, and a door width of 1200mm. This variant has been specifically developed for situations where users need additional space to get on and off their mobility scooter – for example where they have to transfer directly from a wheelchair.



Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Depth	Width	Height
PSMN 1	1	1914	1076	2084
PSMN 2	2	1914	2065	2084
PSMN 3	3	1914	3037	2084
PSMN 4	4	1914	4017	2084
PSMN 5	5	1914	4997	2084
PSMN 6	6	1914	5977	2084

Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Depth	Width	Height
PSM 1	1	1914	1292	2084
PSM 2	2	1914	2472	2084
PSM 3	3	1914	3652	2084
PSM 4	4	1914	4832	2084
PSM 5	5	1914	6012	2084
PSM 6	6	1914	7192	2084

Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Depth	Width	Height
PSMX 1	1	1914	1632	2084
PSMX 2	2	1914	3160	2084
PSMX 3	3	1914	4688	2084
PSMX 4	4	1914	6220	2084
PSMX 5	5	1914	7752	2084
PSMX 6	6	1914	9282	2084

See page 22 for exterior cladding finishes and access control options.

Access points are located central to the end elevation as standard with numerous options available subject to design approval process.

Green roof configurations can be specified for most models, please contact our technical sales team for more information.

# Mobility Scooter Storage & Charging Hub Buildings



## metroSTOR PSH

metroSTOR PSH Mobility Scooter Hub Buildings provide safe storage and charging for multiple mobility scooters. Designed for ease of use with shared entry control systems and ample enclosed space for access and egress within the facility.

Developed for ease of specification and procurement, the metroSTOR H-Series design platform enables design flexibility for building footprint and capacity, while providing the benefits of single-source manufacture and installation.

metroSTOR PSH Hub Building packages include the steel structure, external cladding, rainwater systems, internal battery charging, lighting and access control. External wall cladding panels can be specified from colour coated steel or timber finishes with fire resistant lining systems available.

Two structure widths and fourteen pre-engineered configurations are designed to provide safe storage and charging for the optimum number of mobility scooters within the available site footprint. Bespoke Hub Building formats can be accommodated.



## Integral Battery Charging

metroSTOR PSH Mobility Scooter Hub Building variations with battery charging layouts available as CAD models.



## Fire-Resistance

metroSTOR PSH mobility scooter charging hubs can be specified with fire-resistant cladding specifications.

## Mobility Scooter Hub Buildings Product Overview

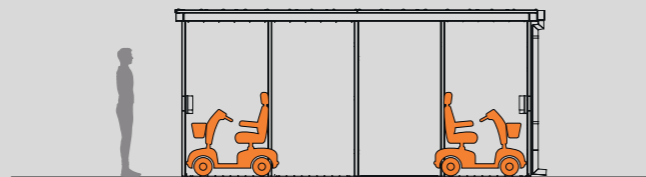
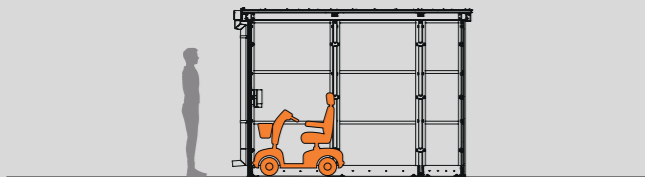
**metroSTOR PSH 30** The PSH 30 mobility scooter charging hub is designed for mobility scooters to be parked along one side of the store, with each space having a designated charging point.

**metroSTOR PSH 48** The PSH 48 mobility scooter charging hub accommodates two rows of mobility scooters either side of a central aisle, with each space having a designated charging point.



## Cladding Options

metroSTOR external panel cladding options in ForestPanel sustainably sourced timber or Firenze colour coated steel.



Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Depth	Width	Height
PSH 30.26	2	3329	2711	2332
PSH 30.38	3	3329	3911	2332
PSH 30.50	4	3329	5111	2332
PSH 30.62	5	3329	6309	2332
PSH 30.74	6	3329	7511	2332
PSH 30.86	7	3329	8709	2332
PSH 30.98	8	3329	9911	2332

Model	Number of Mobility Scooters	Maximum Dimensions (mm)		
		Depth	Width	Height
PSH 48.26	4	5129	2711	2332
PSH 48.38	6	5129	3910	2332
PSH 48.50	8	5129	5108	2332
PSH 48.62	10	5129	6311	2332
PSH 48.74	12	5129	7512	2332
PSH 48.86	14	5129	8711	2332
PSH 48.98	16	5129	9912	2332

See page 22 for exterior cladding finishes and access control options.

Access points are located central to the end elevation as standard with numerous options available subject to design approval process.

Green roof configurations can be specified for most models, please contact our technical sales team for more information.

Product	Exterior Panel Type												Frame Finish		Access Control					
	Firenze Anthracite Grey	Firenze Anthracite Grey FR	Firenze Nordic Night Black	Firenze Nordic Night Black FR	Firenze Walnut Brown	Firenze Walnut Brown FR	Firenze Leaf Green	Firenze Leaf Green FR	ForestPanel SW TGV	ForestPanel TGV FR	Firenze / ForestPanel SW Timber Infill	Firenze Colour Powder Coat	Firenze Freestyle Colour Powder Coat	Hot-Dip Galvanised	Colour Polyester Powdercoat	Latch + Eurocylinder Lock	Latch + Code Secure Lock	Latch + RFID Lock	Slide Bolt + Padlock	Powered Roof System
metroSTOR PSH Mobility Scooter Charging Hubs	●	●	●	●	●	●	●	●	●	●				●	○	●	●	●		
metroSTOR PSM Mobility Scooter Charging Units	●	●	●	●	●	●	●	●	●	●				●	○	●	●	●		
metroSTOR PSL Mobility Scooter Charging Lockers	●		●		●		●				●					●	●	●	●	●
metroSTOR BIKE-E E-Bike Charging Units	●	●	●	●	●	●	●	●				○	●	●	○	●	●	●	●	●
metroSTOR BIKE-ES E-Scooter Charging	●	●	●	●	●	●	●	●				○	●	●	○	●	●	●	●	●

● Available Specification ○ Special Order



**Firenze Anthracite Grey**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish



**Firenze Anthracite Grey FR**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish  
 • Non-Combustible Fire Protection Board Liner



**Firenze Nordic Night Black**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish



**Firenze Nordic Night Black FR**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish  
 • Non-Combustible Fire Protection Board Liner



**Firenze Leaf Green**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish



**Firenze Leaf Green FR**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish  
 • Non-Combustible Fire Protection Board Liner



**Firenze Walnut Brown**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish



**Firenze Walnut Brown FR**  
 • Pre-Coated Steel  
 • SSAB Greencoat Pural BT Finish  
 • Non-Combustible Fire Protection Board Liner



**ForestPanel SW TGV**  
 • Sustainably Sourced European Redwood TGV Plank  
 • Pressure Treated Preservative (Green)



**ForestPanel TGV FR**  
 • Sustainably Sourced European Redwood TGV Plank  
 • Non-Combustible Fire Protection Board Liner



**Firenze / ForestPanel SW Timber Infill**  
 • Pre-Coated Steel  
 • Sustainably Sourced European Redwood TGV Infill Panel



**Firenze Freestyle Colour Powder Coat**  
 • Polyester Powder Coated Steel  
 • RAL or BS Colour Selection 30% Gloss Finish  
 • Laser Cut Hole Pattern Design



**Firenze Colour Powder Coat**  
 • Polyester Powder Coated Steel  
 • RAL or BS Colour Selection 30% Gloss Finish



**Latch + Eurocylinder Lock**  
 • Self-Latching Daybolt  
 • Eurocylinder Key-operated Self-Latching Bolt Lock



**Latch + Code Secure Lock**  
 • Code Secured Entrance  
 • Mechanical Code Lock



**Latch + RFID Lock**  
 • RFID-operated Eurocylinder Lock Release  
 • User Control via app or web portal



**Slide Bolt + Padlock**  
 • Self-Latching Daybolt  
 • Integral Slide Bolt / Handle with Padlock Provision

## UK Manufacturing

### Design & Manufacture

All Streetspace Group products and structures are UK manufactured in our own Kent factories. Using advanced 3D design and manufacturing software throughout our operations, we are able to ensure consistent quality, regulatory compliance and industry leading delivery times.

This in-house technical capability supports our industry leading R&D team, bringing innovative products and systems to market while providing the flexibility to design and manufacture custom projects efficiently.

Streetspace design and production processes are carried out in accordance with the quality management procedures of ISO9001:2015, the environmental accountability of ISO14001 and BS EN 1090 CE marking for structural steel design and fabrication.



### Installation

Streetspace Project Managers, Site Management and Engineers have many years' experience in the field ensuring complete peace of mind for our customers on even the most challenging installations. Our project scope will often involve enabling works such as civil engineering, street works and M&E elements for reliable, effective, single-source procurement.

Our skilled installation teams are fitting street furniture, bin stores, cycle parking products and shelters across the UK every day of the week, throughout the year and the capability to deliver, install and commission in a single operation removes the hassle and potential for unforeseen costs.

### Aftercare

Streetspace Site Engineers provide maintenance and repair services to group product installations throughout the UK with 24hr, 365-day availability. Replacement parts and mechanisms are stocked at our Kent manufacturing site with live availability on connected devices, enabling service and maintenance to be undertaken in accordance with the agreed resolution times.



enquiries@streetspacegroup.co.uk  
01227 200404  
www.streetspacegroup.co.uk

metroSTOR is a brand of Streetspace Ltd  
Streetspace Ltd, Lympe Industrial Park, Otterpool Lane, Hythe, Kent CT21 4LR

STREETSPACE LIMITED, Registered in England and Wales: 10175199. The content of this document is for your general information and use only. The colours and finishes depicted in this brochure are representations and should not be taken as accurate. Specifications are subject to change without notice. Content and specifications correct at time of print September 2022.