

# **Samson Osprey Top-Hung Multi-Leaf Folding Door**



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MON - FRI 8:30AM - 5:30PM**



# INNOVATION

*in Industrial Doors*

Horizontal bi-folding, sliding/folding and straight sliding doors – external door systems designed to operate in any business sector.

PRODUCT	SWIFT	SWIFT	SWIFT-SEW	OSPREY	OSPREY	KINGFISHER	KINGFISHER	KINGFISHER	KINGFISHER
	(MANUAL)	(ELECTRIC)	(ELECTRIC)	(MANUAL)	(ELECTRIC)	(MANUAL)	(ELECTRIC)	(MANUAL)	(ELECTRIC)
SHORT NAME	SWT-M	SWT-E	SWT-SEW	OSP-M	OSP-E	KNF-THM	KNF-THE	KNF-BRM	KNF-BRE
<b>FEATURE</b>									
<b>HANGING ARRANGEMENT</b>	<b>SIDE-HUNG BI-FOLDING</b>			<b>TOP-HUNG FOLDING</b>		<b>TOP-HUNG SLIDING</b>		<b>BOTTOM-ROLLING SLIDING</b>	
<b>CONFIGURATIONS AVAILABLE</b>	1, 2 or 3 leaves to each side, i.e. 2+1, 3+0, 3+2	2+0, 2+2	2+2	multiple leaf configurations.	up to 10 leaves folding to one or each side.	multiple leaf configurations.	1 leaf per track sliding to one/both sides.	multiple leaf configurations.	1 leaf per track sliding to one side.
<b>OPENING SIZES</b> (all dims in mm.)									
MAX WIDTH	5700	4750	5000	UNLIMITED	20000	UNLIMITED	12000	UNLIMITED	30000
MAX HEIGHT	6000	6000	7000	6000	6000	6000	6000	6000	7000
MAX OPENING AREA	24000	12000 (2+0)	32500	UNLIMITED	50000 (1-way)	UNLIMITED	36000 (1-way)	UNLIMITED	90000 (1-way)
		24000 (2+2)			10000 (bi-part)		72000 (bi-part)		18000 (bi-part)
SIDEROOM	200	225	300	Varies. Refer OSP series dwgs.	Varies. Refer OSP series dwgs.	Varies. Refer KNF series dwgs.	Varies. Refer KNF series dwgs.	Varies. Refer KNF series dwgs.	Varies. Refer KNF series dwgs.
HEADROOM	150	150	450	180	230	180	230	150	150
<b>MAX NO. TRACKS</b>	1	1	1	1	1	6	2	6	6
<b>MOUNTED INSIDE OR OUTSIDE</b> (In, Out)	In/Out	In	In/Out	In/Out	In	In/Out	In/Out	In/Out	In
<b>OPERATION</b>									
ELECTRIC OPERATION	N/A	✓	✓	N/A	✓	N/A	✓	N/A	✓
MANUAL OPERATION (M/O = MANUAL OVERRIDE INCLUDED)	✓	M/O	M/O	✓	M/O	✓	M/O	✓	M/O
OPENING SPEED	N/A	5 secs (max 1.0m/s)	8 secs (max 0.6m/s)	N/A	max 0.4m/s	N/A	max 0.4m/s	N/A	max 0.25m/s
<b>PANEL CONSTRUCTION</b>									
SOLID PANEL POLYURETHANE (THICKNESS MM)	✓ (52)	✓ (52)	✓ (62)	✓ (52, 62)	✓ (52, 62)	✓ (52)	✓ (52)	✓ (52)	✓ (52, 62)
SOLID PANEL MINERAL WOOL (RW) (MAX 4500H, 52 THICK)	✓	✓	✓	✓	✓	✓	✓	✓	✓
PART GLAZING (THICKNESS MM)	✓ (52)	✓ (52)	✓ (62)	✓ (52, 62)	✓ (52, 62)	✓ (52)	✓ (52)	✓ (52)	✓ (52, 62)
FULL GLAZING (FG) (MAX. 5000H, 50 THICK)	✓	✓	N/A	✓	✓	✓	✓	✓	✓
<b>OTHER FEATURES</b>									
INTEGRATED PERSONNEL DOORS	✓	✓	✓	✓	✓	✓	✓	✓	✓
FULL HEIGHT ACCESS LEAF	✓	X	X	✓	X	X	X	X	X

- o Refer to individual SWT, OSP and KNF drawings and product datasheets for detailed configurations, opening arrangements, sizes and specifications.

# OSPREY

## Specifications.



**An extremely versatile door from the Osprey range, the Osprey top-hung sliding/folding door combines robust design with modern appearance to provide the simplest door system for wider span openings.**

Factory tested for over 250,000 continuous operations, and constantly improved since, this multi-leaf system will provide years of reliable service.

In the closed position, Osprey doors form a flat wall of panels, each approximately 1 metre wide. When open, door leaves fold into tight bunches, providing full height clearance for vehicular access as they open.

Whilst components are the same for all Osprey doors, this system has a multitude of 'standard' arrangements. It can be manually or electrically operated, with electric versions having up to ten leaves sliding to each side of the opening before folding behind the reveal to provide a clear opening. Manual doors can be 'hinged to the jamb' ensuring door leaves open and close to the same position every time, or when greater flexibility is required they can be 'fully floating', meaning bunched leaves can be pushed to either side. For larger spans, leaves can be arranged in several sections, which can be individually opened to provide smaller apertures, or the entire door folded aside to create one vast opening.

Tracks and running gear are purpose-designed to accommodate the vertical and side loadings associated with external doors operating in extreme conditions, and all components are from non-corrosive materials to ensure the longevity of the product.

Electric operation is provided by inverter drive units and multi-programmable control boards with soft start and stop, integrated push button controls, and a host of safety features as standard.

### Key Features

- Unlimited width for manually operated doors.
- Maximum width 20 metres and up to 100m<sup>2</sup> area for electrically operated doors.
- Maximum height of 6 metres as standard, 7 metres by design.
- Easy-to-clean galvanised bottom guide track with built-in threshold.
- Sealed for life self-lubricating hinges and guides.
- Weather-tight seals tested to Class 2 Air Permeability and Class 3 Water Leakage.
- Tested to Class 4 wind loading in accordance with BS EN 13241.
- Laboratory tested to reduce noise by 25dB.



# AVIATION

*Efficient. Durable. Proven.*

**The Osprey range is an established choice for industrial doors throughout general aviation. Their reliability, simple operation, versatility and immaculate safety record has resulted in a loyal customer base that continues to grow.**

The Osprey top-hung sliding/folding door is particularly suited for aviation professionals and enthusiasts alike. This multi-leaf door is easy to operate by hand for spans up to 40 metres wide, and electrically operated Osprey doors can open and close 20 metre openings safely in just 40 seconds.

For ground support buildings, airport fire stations and workshops, fast-acting Swift or smaller Osprey doors can be used to create a uniform appearance with adjacent hangars.

## Osprey – Key Facts

- Flush bottom track with integral threshold.
- Multi-leaf construction allows the door to be partially opened when the full aperture is not required.
- Manual doors are easy to open and close by hand.
- Door leaves stack tightly behind the jamb to provide full width and height opening.
- Electric operation is available for doors up to 100 m<sup>2</sup>.
- Drainage as standard, and option for under track heating to prevent water and ice in the track.



# EMERGENCY SERVICES

*When Every Second Counts.*

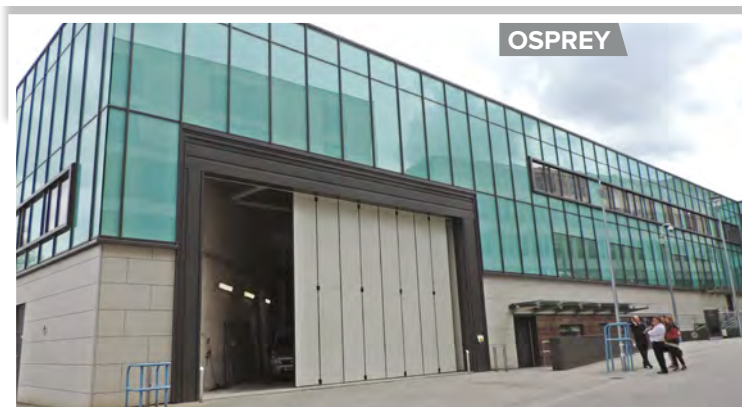
**In any emergency, time is a precious commodity. When response times are critical, you can be assured that the Osprey range of doors will open fast and safely, every time.**

For larger buildings such as Police Air Support or Air Ambulance hangars, electrically operated Osprey doors offer the ultimate choice. Smaller Osprey doors are perfectly matched for Police vehicle garages and wider bay Fire and Ambulance stations where low headroom and limited space at the side are often a constraint.



# COMMERCIAL & PRIVATE

## *Designed for Today's World.*



**Industrial, commercial and private facilities across the world rely on service. Without fast, safe and reliable access, manufacturing processes, distribution lines and service providers can grind to a halt.**

The Osprey range of sliding and sliding/folding doors can cater for all loading/unloading applications throughout business. Typical projects include supermarket loading halls, city centre office blocks, power station turbine halls, heavy goods vehicle workshops, exhibition centres, underground car parks and university engineering centres.

The beauty of the Osprey range is its versatility and capability to be utilised in just about any vehicle opening and across a range of sizes ranging from 2.5 metres wide by 2.5 metres high, and stretching beyond 40 metres wide and up to 7 metres in height.

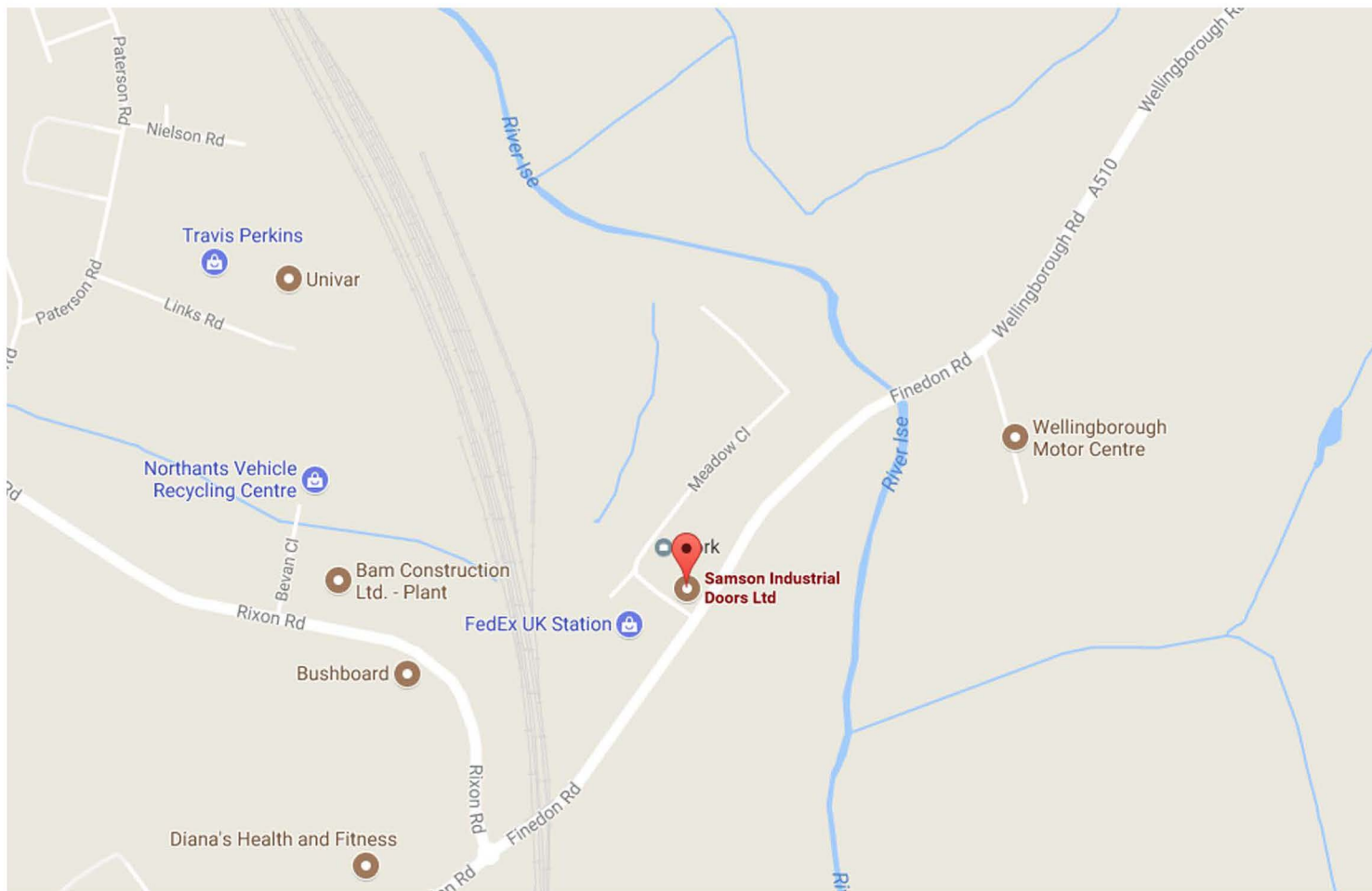
Whether the requirement is for a door to quickly allow a delivery van driver entry to a store, or to open up the full external wall to an exhibition hall, there is a solution within the Osprey range.

For instance, a Swift 2+1 leaf system can effortlessly be swung aside to allow full width and height access to a van, but also allow a small parcel to be delivered through the same door by opening only the full height access leaf - two doors in one. Whereas a multi-leaf Osprey sliding/folding or multi-track Kingfisher straight-sliding configuration can be incorporated into any wall to offer full or partial opening space, depending on the user's daily activity.

Whatever the application, the Osprey range can do it all with ease.

### General Osprey Key Facts

- Constructed from flat, single-piece panels with an internal steel frame to combine inner strength with outer aesthetic appeal.
- Designed and tested in accordance with BS EN 13241-1:2003 – the product standard for industrial, commercial and garage doors and gates.
- Electrically operated or manually operated configurations available.
- Full height finger trap protection to all joints between leaves and at the jambs.
- Solid panels, partially glazed and fully glazed versions are available as standard.
- Reduced heat loss/ingress reduces energy bills.
- All Osprey doors have a life expectancy in excess of 20 years with many examples of over 30 years still in existence.
- After life, over 80% of the door can be recycled.
- Good acoustic performance minimises noise pollution.
- Lean manufacturing processes ensure a low carbon footprint.



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