

Samson Swift Side-Hung Bi-Fold Door



**EMAIL: ENQUIRIES@SAMSONDOORS.CO.UK
TELEPHONE: (01933) 448850
MON - FRI 8:30AM - 5:30PM**



UNITED ARAB EMIRATES
MINISTRY OF INTERIOR
GEN. COMMAND OF
CIVIL DEFENCE
DUBAI CIVIL DEFENCE

الإمارات العربية المتحدة
وزارة الداخلية
القيادة العامة
للدفاع المدني
الدفاع المدني - دبي

مجمع دبي الصناعي
DUBAI INDUSTRIAL PARK

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
FEATURE									
HANGING ARRANGEMENT	SIDE-HUNG BI-FOLDING			TOP-HUNG FOLDING		TOP-HUNG SLIDING		BOTTOM-ROLLING SLIDING	
CONFIGURATIONS AVAILABLE	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.
OPENING SIZES (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
MAX NO. TRACKS	1	1	1	1	1	6	2	6	6
MOUNTED INSIDE OR OUTSIDE (In, Out)	In/Out	In	In/Out	In/Out	In	In/Out	In/Out	In/Out	In
OPERATION									
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
PANEL CONSTRUCTION									
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	✓	✓	✓	✓	✓	✓
OTHER FEATURES									
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.

SWIFT

Specifications.

Swift by name, swift by nature. The Swift door is a side-hung, fast opening, insulated flat panel bi-folding door, which is arguably the simplest and most reliable industrial door system available on the market.

In its basic four (2+2) leaf manual form, a flick of the wrist will disengage top and bottom shoot bolts and swing open each door half instantly providing the user full opening clearance. Leaves are hung from four purpose engineered jamb hinges and have a steel top guide track to control the swing of the door. A chamfered solid aluminium threshold provides a natural base for the door to seal against, prevents water ingress and greatly reduces friction as the door opens and closes.

The Swift door is available in seven different leaf configurations, with any combination of one, two or three leaves hinged to one or both jambs. An odd leaf, supplied as a single or in three leaf sections (in 2+1, 3+0, 3+1, 3+2 or 3+3 arrangements). This can be fitted with robust lever furniture to provide full height access, and without a step at the floor provides unhindered passage for pallet trucks, wheelie bins or wheelchair users.

Electric operation is available on Swift two leaf doors (2+0, or 2+2 arrangements) using world-renowned FAAC hydraulic drive units, which safely propel the door from closed to fully open in only 5 seconds, and in tests have had the door closed again before similar sized overhead type doors have even opened.

The Swift's bigger brother is the Swift-SEW door, which has been designed primarily for the Rail Industry and is electrically operated as standard, catering for taller openings up to 7 metres in height.

In the event of a power failure, manual operation of electric doors is effortless – the drive can be disengaged at low-level to allow access in a matter of seconds. No other door provides this speed of operation in both manual and automatic versions, and full security at all times.

Key Features

- Leaves fold clear of the opening and require only 200 mm side room.
- Minimal headroom of only 150 mm for low clearance openings.
- Horizontal folding action provide full height access as soon as the door moves.
- No bottom track – leaving a clear threshold.
- Full height pass doors or integral wicket doors can be incorporated within the main door.
- Invisible protection zone around the opening prevents doors impacting on people or vehicles during both closing and opening.





RAIL

Keeping Your Facility on Track.

Engineered and manufactured with the highest quality components and complying with stringent European safety standards, the Swift range of doors is rapidly becoming the mainstay of rail facilities around the world, with projects completed throughout the UK and as far afield as Bergen, Doha, Dubai, Hong Kong, Kuala Lumpur, Sydney and Auckland.

The Swift-SEW bi-folding door has been purpose designed to accommodate the taller openings, overhead electrification wires and rail tracks through the doorway, whilst not forgetting the daily operational demands and unrivalled safety requirements of modern rail maintenance depots.

Based on the original Swift door, the Swift-SEW incorporates sturdier hardware and a powerful central drive unit working in tandem with a programmable smart relay control board to create an extremely smooth, safe, and future-proof door system that will last as long as the building.

The door can be integrated with building management systems (BMS), depot protection systems (DPS), heating, ventilation or air conditioning (HVAC), and Train Wash plant to create ultimate control. A visual display on the door control panel provides real-time status or error reporting to the user and back to Jewers' HQ for instant fault diagnosis.

Our door solutions are not just about being robust and durable; the Swift range also combines aesthetic appeal with modern technological advancements to offer rail facilities a comprehensive package that not only gives a reliable solution, but can also complement new and existing architecture.

Swift-SEW – Key Facts

- Side-hung and without a floor track to ensure door leaves glide across rail tracks.
- Electrically operated via a smooth, powerful, fast and efficient helical-worm gear motor producing high torque.
- Effortless and instant low-level manual override handle.
- Door closes around overhead line equipment (OLE).
- Designed for openings up to 5 metres wide and up to 7 metres high (max 32.5 m²).
- Multi programmable smart relay control board provides complete flexibility of operation.
- Control board integrates with BMS (building management system) and DPS (depot protection system) to create ultimate safety.
- Automatic solenoid floor bolts provide additional security and protect against high winds.

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 Swift range of doors will open fast and safely, every time.

Over the past 35 years, the Swift bi-folding door has proved to be an extremely reliable and cost effective door solution in Fire and Ambulance stations alike. Swift doors open quickly, reaching the fully open position in only 5 seconds. The sideways opening action and the option of partial or full glazing provides the driver of the emergency vehicle full visibility of the door position and the street outside to exit the bay safely at all times. Damage to the top of the vehicle or underside of the door is totally eliminated – costly errors of judgement regularly associated with vertically moving doors.

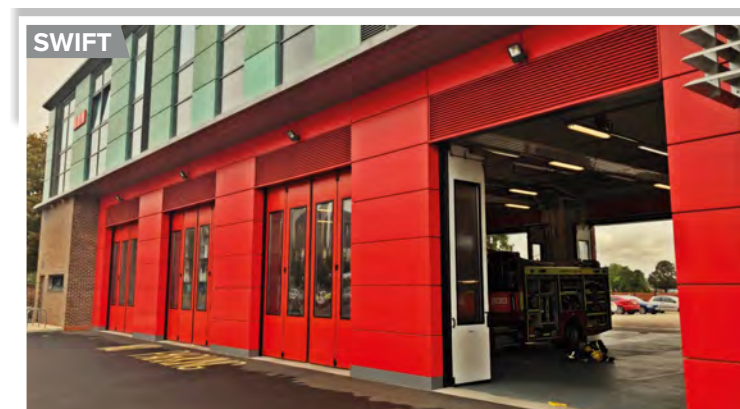
Swift doors are installed with safety and security as standard. An invisible electro-sensitive protection zone around the entire door prevents door leaves opening or closing onto people or vehicles. Furthermore doors can be programmed to operate to the client's exacting specifications. A common requirement is automatic closing immediately after the vehicle exits the bay, maintaining building security at all times.

Manually (or electrically) operated Swift doors are also commonly installed to the rear of fire stations. Wicket doors within the main door provide personnel quick entry back into the bay on return from a shout. Rear doors can effortlessly be swung aside to allow the appliance to re-enter the bay and are secured closed by full height espagnolette bolts.

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.

Swift – Key Facts

- Full opening in only 5 seconds regardless of size.
- Automatic closing on exit for immediate security.
- Effortless and instant low-level manual operation.
- Red/green LED traffic lights offer additional peace of mind.
- Drive units and centre floor shoe automatically locks the door closed.
- Partial or full glazing provides natural lighting and visibility during vehicle exit.
- Invisible protection zone around door prevents doors impacting on people or vehicles.



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 Swift 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 Swift 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 Swift range.

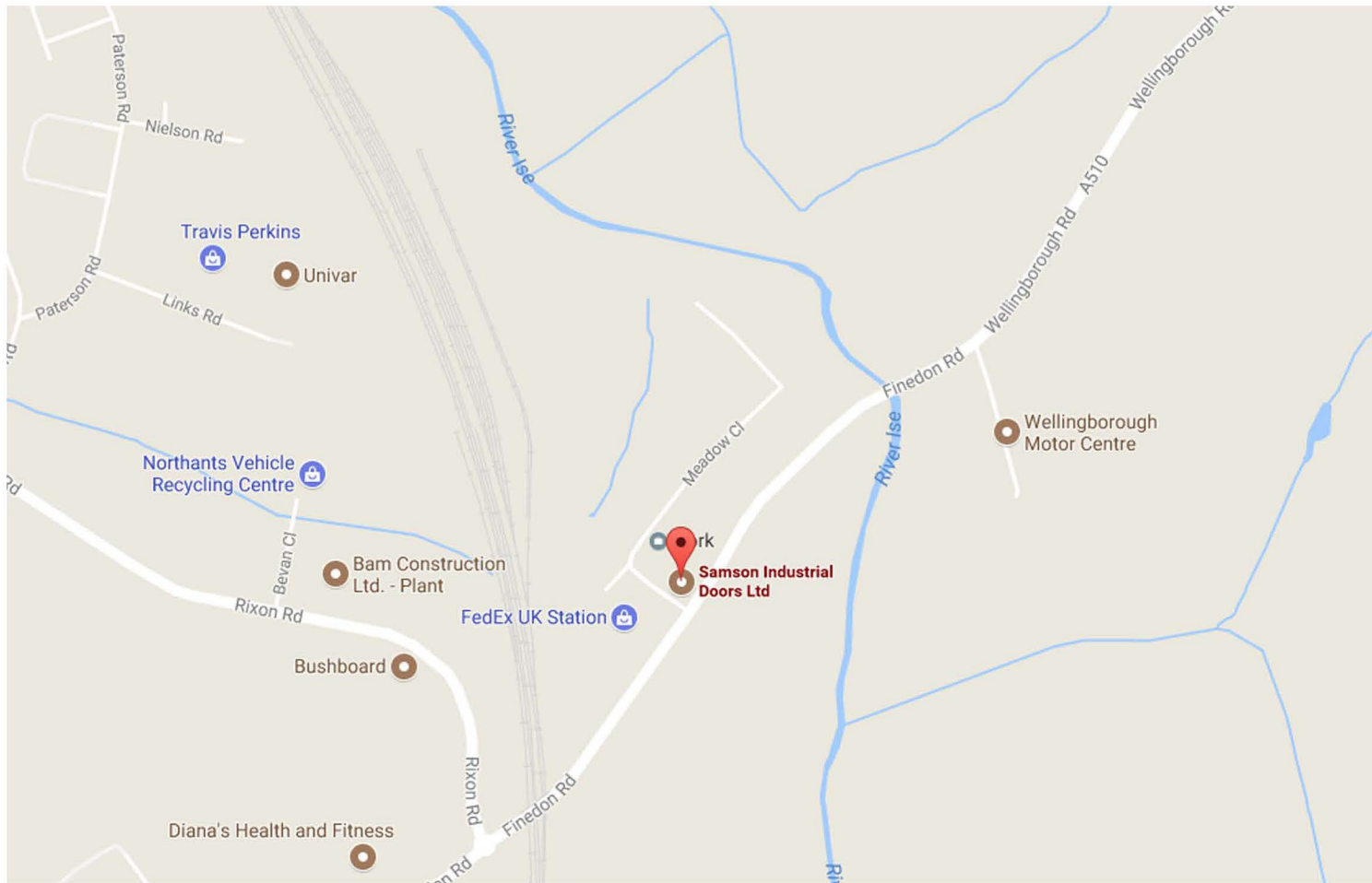
For instance, a Swift 2+1 leaf system can effortlessly be swung aside to allow full width and height access to a van, but also allow a small parcel to be delivered through the same door by opening only the full height access leaf - two doors in one. Whereas a multi-leaf Osprey sliding/folding or multi-track 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 Swift range can do it all with ease.

General Swift 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 Swift 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.

Samson



**6-8 MEADOW CLOSE
ISE VALLEY INDUSTRIAL ESTATE
FINEDON ROAD
WELLINGBOROUGH
NN8 4BH**

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