Extendable & Fixed Loading Bay Gate
Installation Guide

Design specification

The gates have been designed to comply with the requirements of BSEN12811-1-2003.
The gates are also compliant with the requirements of BSEN 13374:2013 Class A.

Patent GB2530859 applies to the Fixed and extendable gate frame.

The design of the gate provides protection to prevent persons and materials falling in the closed position and provides guardrails to prevent access to the loading bay platform in the open position.

The gates are designed to fit any loading bay width ranging from 2.5m to 3.7m wide. The loading bay should be suitable and of sufficient strength and rigidity for the purpose for which it is being used.

Parts List

1 x Loading bay gate (Fixed or Extendable)	1 x Mesh infill panel
2 x Loading bay gate arms	2 x EN74 Half couplers with bolts (Attached)
4 x EN74 Swivel couplers	4 x EN74 Double couplers
2 x 2.5m Extendable transoms	2 x Gate locks
8 x 150mm Metal cable ties	1 x Toeboard: 225 X 38 Scaffold Board

Installation procedure

The gates require a minimum bay depth of 1300mm or six 225mm scaffold boards for full operation. An additional area to the rear of the gate is required for the operative to open and close the gate.

The loading bay gate requires a scaffold tube to be fitted at either side of the loading bay which is set at a minimum of 950mm between the platform surface and the top of the scaffold tube using single couplers, For System scaffold fit a ledger at 500mm then a tube at 1m with the use of 2 singles per tube at the node points so the the tube is on the inside,

The gate can be pre-assembled at floor level and lifted into position by mechanical means.

Place the gate arms on the ground with the EN74 half coupler on the outside of each gate arm.

Note: The next sequence is only required when assembling the extendable loading bay gate.
Adjust the width of the loading bay gates by loosening the thumbscrews, pulling the extendable section of the gate out to the required length and then tightening the thumbscrews back up.
Attach the mesh in the extendable section of the gate using the metal cable ties provided.
Install ties on all four edges with a maximum gap of 400mm between ties or corners of the frame.

Attach a toeboard to the gate by pushing through the toeboard bracket and tightening the screws.

Attach the gate to the gate arms using two EN74 swivel couplers on each arm.
The toeboard attachment should be positioned at the front and bottom of the gate arms.

Adjust and attach the two extendable transoms using the four EN74 double couplers on the rear.

Lift the gate into position mechanically. Position the gate 25mm from the front of the loading bay.

Attach both sides of the arm assemblies to the scaffold tube using the EN74 half couplers with bolts.

Test the gate for smooth operation; minor adjustments can be undertaken when installed.

Fix the gate locks to prevent inadvertent opening of the gate in the open and closed position.

A site-specific safe system of work will need to be introduced for the installation of the gate.
A site-specific safe system of work will need to be introduced for the operation of the installed gate. The gate should be checked before use and included in the periodic inspection of the scaffold.