

Case Study

Swift-SEW Doors Speed Opening of New Campuses at NCHSR

National College for High Speed Rail (NCHSR) opened its doors to students in September 2017 following the installation of Jewers' Swift-SEW high speed, automatic bi-folding doors which completed the external structure of the workshops at both Birmingham and Doncaster campuses.

SUMMARY

Overview

Industry: Education / Railway / Construction

Solution: Swift SEW fast-acting, bi-folding doors

Benefits

- Accommodates railway tracks
- Fully open in under 8 seconds
- Fail-Safe security features to prevent injury during operation
- Fully glazed with double thickness polycarbonate for natural light and security



The Challenge

Jon Rigby, Associate at Bond Bryan Architects commented, "With regard to the doors specifically, we required large bi-folding doors between the internal and external training workshops. They needed to be large enough for a commercial power car to fit through but also needed to cope with the rail tracks, hence the Swift-SEW door was the ideal solution."



Swift SEW Doors

The Doncaster campus incorporates two 5m wide by 5m high Swift-SEW (FG) fully glazed bi-folding doors, whilst at the Birmingham campus a single 4m wide by 6m high door was installed. Each door comprises four leaves, with two leaves folding to each side on the inside of the building which glide smoothly across the rail tracks. The workshop doors at both sites are fully glazed to provide high levels of natural light, allow visibility both from inside and out and ensure conformity with the overall style of the building.



Photo courtesy of Willmott-Dixon

Speed, Safety and Security

The doors are operated by a powerful, centrally mounted SEW drive unit, combined with a purpose designed control panel incorporating inverter control for smooth start and stop and takes less than ten seconds to open fully. Safety is ensured with internal traffic lights, full height pressure sensitive safety edges, a pair of photocell beams and traffic lights to create a safe zone around the door during operation. An electro mechanical lock within the motor automatically holds the door in the closed position while automatic solenoid floor bolts provide additional security and protect against high winds.



Photo courtesy of Willmott-Dixon

Do you need a full detailed design service for your new doors or a professional company to survey and report on old and failing doors?

Jewers Doors are a DHF accredited company and operate under strict guidelines to advise on the best and safest solution for each application and provide an expert service that is second to none.

For further information e-mail Mark Jewers mjewers@jewersdoors.co.uk

About Jewers Doors Ltd

Jewers Doors is a world-leader in the design, manufacture, installation and repair of industrial doors across all industrial sectors.

Jewers Doors have been installed not only in the UK, but also throughout the world including Europe, Middle and Far East and New Zealand.