



Project reference:
Robust Cam-Motion® Door Closers
secure staff areas at a busy new train
station in Birmingham

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Phil Wood MCIOB,
Senior Project
Manager,
VolkerFitzpatrick

“When it comes to a building like University Station that has a high footfall, we needed a safe and secure solution for the public that could withstand heavy traffic.”



Characteristics

Project: University Station, Birmingham (<https://wmre.org.uk/university-station>)
Segment: Transport/public buildings
Location: Birmingham, England
Devices installed: DC500A Cam-Motion® door closers with guide rail G195
Year of installation: 2023

Challenge

Completely rebuilt to serve the needs of future rail passengers, Birmingham's new University Station also serves the Birmingham Women's Hospital and the Queen Elizabeth Hospital as part of the Cross-City Line – and is the only British mainline station built specifically for a university.

The rebuild aimed to improve access and facilities, offer greater capacity and boost ease of use. As part of this project, the new station required certified doorsets to meet stringent standards, including for fire safety.

Key criteria

- A durable, robust closing solution designed to deal with high levels of daily traffic
- Technology which combines comfortable user movement with reliable, secure closing
- An expert installation service to ensure all doors and door closers are deployed accurately
- A supplier with experience providing specification support to contractors and architects

Solution

The new University Station is a busy public space, but also has restricted, staff-only areas. At key openings, Cam-Motion Door Closers bring easy, barrier-free access as well as reliable closing – to keep employees safe at work. ASSA ABLOY's specification team worked with architects to create an accurate door hardware schedule for building contractor VolkerFitzpatrick. They prepared specification briefs and complete door solutions for internal timber and external steel doors. Furthermore, *“ASSA ABLOY helped us with their two-pronged approach, not only specifying a compliant solution but also fitting the doors,”* says Phil Wood.

In combination with ASSA ABLOY Safeguard doors – which resist forced entry via mechanical

or powered tools – the fire-compliant doorset was completed with the ASSA ABLOY DC500 Cam-Motion Door Closer.

Door closers with ASSA ABLOY's unique Cam-Motion technology shut reliably behind everyone who passes through. This is critical to separating station public areas from staff-only zones. Because an installer can set individual latch and closing speeds, high closing force works alongside easy opening. And because valves are independent, metal and thermo-resistant, these settings remain until intentionally modified – even at extreme temperatures and faced with wind pressure or air suction.

ASSA ABLOY
Sicherheitstechnik GmbH
Bildstockstraße 20
72458 Albstadt
GERMANY
albstadt@assaabloy.com
www.assaabloy.de

ASSA ABLOY Austria GmbH
Hütteldorfer Strasse 216 c
1140 Vienna, AUSTRIA
wien@assaabloy.com
www.assaabloy.com/at