

DUALWAY™

Anti-Barricade Door System

Healthcare Hospitals Secure Units

- Unique Anti-Barricade two way Door System
- Reduced ligature hinges and hardware
- Outer frame dual hook bolt locking with emergency key release
- Electronic inner frame locking options
- Rebated inner frame in robust preformed steel section
- Suitable for standard high security door locks & hardware



DUALWAY Anti-Barricade Door System

The DUALWAY Anti-Barricade Door System, designed and manufactured by Cooke Brothers, one of the UK's leading architectural door hardware manufacturers, is a purpose-made door solution specifically designed to address the needs of today's challenging mental health and custodial environments, where the risk of ligature or self-harm are prevalent.

The DUALWAY Anti-Barricade Door System provides unrestricted, immediate access to a room when a patient has barricaded themselves in.

Anti-Barricade Door Systems allow secure doors to be opened from both sides, preventing barricading from one side. This unique two-way system provides a secure and safe solution for many sensitive healthcare applications.



Standard door opening



Opening away from barricade

Common Applications for Anti-Barricade Door Systems

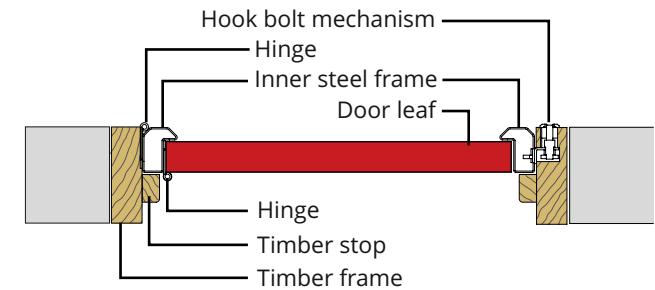
The DUALWAY Anti-barricade door system is the perfect choice for a variety of applications where both security and safety are paramount. The reduced-ligature hardware makes them the ideal opening solution for settings where there is a heightened chance of self-harm.

Common applications for anti-barricade door systems include hospitals, secure units, and more specialised mental healthcare environments. The emergency release locks and DUALWAY opening mechanism provide quick access for staff, whilst the hardware keeps the door securely locked.

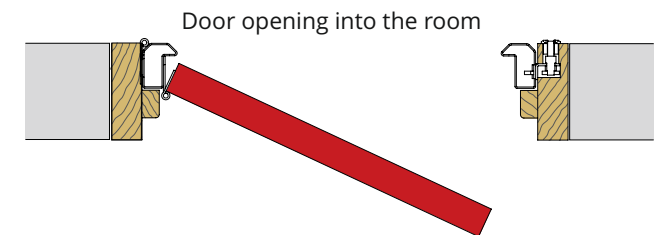
Features	Benefits
Complete door set with heavy-duty pre-formed steel frame	- Engineered specifically to reduce the risk of ligature and provide emergency access when required. - Provides patient privacy. - Heavy-duty, high-strength construction, but clean, aesthetic lines, to avoid an institutional appearance.
Quick-release operation	Provides a 'quick release' action in the event of an emergency - typically less than ten seconds.
Hinged frame within a frame	- Allows doors to be opened away from an obstacle or barricade. - Engineered specifically to reduce the risk of ligature.
Optional concealed door closer	- Adjustable closing speed and power latching action. - Reduces the risk of ligature. - Modern sleek appearance.
Interleaf continuous hinge	- Applies less concentrated stress to both door and frame. - Greater resilience to physical abuse. - Eliminates the need for double-action floor springs, making DUALWAY ideal for modern floor slab construction.

DUALWAY Operation Example

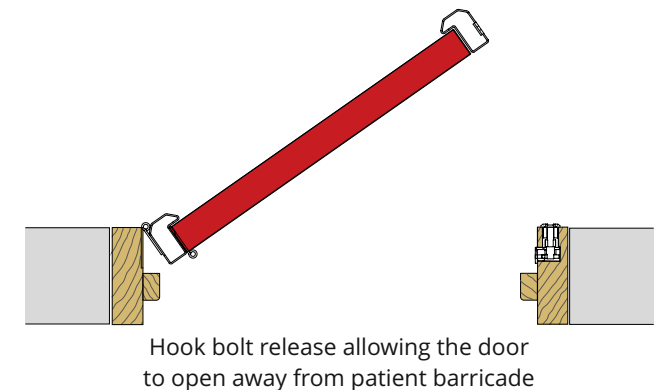
Door and frame in the closed position



Standard door opening



Emergency release operation.
Opening away from barricade



DUALWAY Anti-Barricade Door System



Design and Application

DUALWAY is suitable for either new build or retrofit applications where individual door sets are required within an existing facility. Based on a frame-within-a-frame principle, DUALWAY allows a standard 44mm or 54mm door to be mounted within a secondary high-security steel inner frame.



Principals and Operation

In everyday use, the standard inward-opening door operates as normal, providing 105° to 115° access using a purpose-designed full height reduced-ligature continuous hinge. The inner preformed steel frame provides rigid support and security through heavy-duty, purpose-designed mechanical hook bolt locking, with an electrically operated option also available.



Barricade Release

In an emergency or barricaded door situation, the door and inner frame can be quickly released, allowing the complete door set to swing outwards for immediate access to the room. Access is achieved by releasing the dual hook locks that are mortised into the outer frame and operated by unique security profile keys or an electrically operated release mechanism.



Doorset and Frame Options

The DUALWAY Anti-Barricade system has been designed to suit the majority of standard 44mm and 54mm door sets. The DUALWAY system is adaptable to accommodate alternative door thicknesses, subject to special order. The steel inner frame can be supplied in a range of standard finishes or with a choice of special options to suit specific requirements.



Security and Hardware

The outer and inner frames are secured with two purpose-designed, heavy-duty mortice hook bolts, which are supplied complete with anti-tamper escutcheons and dedicated security keys. Alternative electronic locking systems can be supplied subject to client specification. A wide range of matching reduced-ligature door furniture and high-security mortice locks are available to meet any specification, or DUALWAY can be supplied ready to receive existing ironmongery.



Reduced-Ligature Features

The DUALWAY system incorporates unique interleaf continuous hinges (CDR*), which feature reduced-ligature end tips and provide a minimal gap between the door and the frame. The full-height continuous hinges provide even load distribution and substantially increased strength over pivoted door sets. This eliminates the potential for the door or frame to split under impact or during abuse. The DUALWAY system is designed for use with a concealed jamb-mounted door closing device.

FREQUENTLY ASKED QUESTIONS



WHAT IS INCLUDED IN THE STANDARD SYSTEM?

DUALWAY frame
Frame hinge and door hinge
Hook locks & escutcheons
Security keys
Strike plate to suit lock and latch
Security self tapping screws
Reduced ligature end caps

WHAT OPTIONS ARE AVAILABLE?

Bespoke sizes in a range of different heights, widths and door thicknesses.
Electro-magnetic locking
Choice of powder-coated frame colour
Concealed door closers
Special strike plates
Vision panels
Push and Kick Plates
Contact our Sales Team for further options.

WHAT ISN'T INCLUDED?

The door leaf
Timber lining
Installation
Door lock, latch and handles

Where possible, we will provide support and guidance in sourcing these items. Please get in touch with our Sales Team for help.

IS DUALWAY FIRE-RATED?

DUALWAY is not currently fire-rated.
We can collaborate with suitable partners for testing and certification.
Please contact our Technical Department at technical@cookebrothers.co.uk

WHAT DOOR SIZES IS DUALWAY SUITABLE FOR?

The standard system is designed for a door size of 1981 x 762 x 44mm.

DUALWAY is made to order, so we can accommodate a range of different heights, widths and door thicknesses.

The Interleaf hinges are designed for a maximum adjusted door weight of 160kg.

Suitable for 70mm or 100mm wall thicknesses.

Not suitable for double doors.

WHAT IS THE LEAD TIME?

Lead time is 5 weeks from design approval for a standard system.

Designed for Safety. Built for Real Life.

Every door in a mental health facility, behavioural support environment or secure care setting has an important job to do. It must provide privacy and dignity for the person inside, while ensuring staff can respond quickly and safely if circumstances change.

Anti-barricade door systems have become an increasingly important part of modern healthcare design, helping to balance those competing needs. They combine rapid emergency access when needed with effective everyday operation for safer environments for patients, residents, pupils and the professionals who care for them.

At Cooke Brothers, we've combined decades of expertise in architectural hardware with specialist engineering to develop DUALWAY, an anti-barricade door system designed for the realities of today's healthcare and behavioural environments.



Looking for a quote?

Click here to complete our online form and one of our team members will be in touch shortly.

REQUEST A QUOTE



If you have any questions, our team is here to help.



sales@cookebrothers.co.uk



+44 (0)1922 740011



Cooke Brothers Ltd
Northgate, Aldridge, Walsall,
West Midlands, WS9 8TL
United Kingdom
Phone +44 (0)1922 740011
Email sales@cookebrothers.co.uk
Web www.cookebrothers.co.uk

DUALWAY is designed and manufactured by Cooke Brothers Ltd., one of the UK's leading manufacturers of architectural door hardware.

* Phoenix Interleaf Continuous Hinges are subject to Community Design Registration (CDR)