

Door Set
Solutions

boomer





BESPOKE DOOR SET MANUFACTURING



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About us

Boomer is one of the UK and Ireland's leading manufacturers of architectural timber door sets and screens.

Pre-hung doors, manufactured in a quality managed factory environment, represent an efficient installation proposition across the private and public construction sectors.

Our bespoke door set service offers clients a complete made to measure service for pre-hung doors and accompanying openings and glazed screens.

We supply only top quality, certified doors from a large range of finishes and performance grades.

At Boomer, every successful project begins with a detailed customer specification and ends with a comprehensive quality assurance approval process ensuring our 'right, first time' policy is always achieved.

We are trusted supply partners of pre-hung door sets for these leading companies.



Why pre-hung door sets?

- ✓ Installs in minutes
- ✓ Savings of up to 50% over the cost of traditional door assembly
- ✓ Reduces costly snagging on site

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Offsite Quality

Precision manufacturing in factory conditions, with certified ISO 9001 quality procedures in place, guarantees a remarkable degree of accuracy.

Pre-finished doors and frames remove the need for wet trades on site, delivering impeccable appearance.
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Installation Efficiency

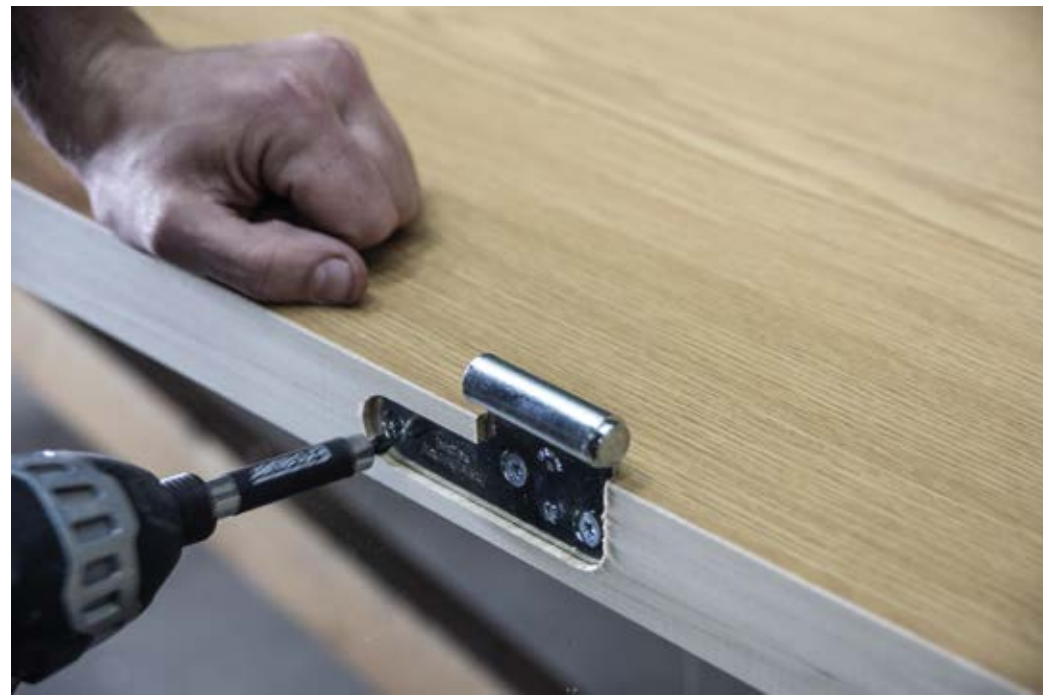
A complete door set can be installed in just minutes and requires less skilled labour than the alternative method of hanging doors on site. This can facilitate considerable time savings, particularly on rapid build construction projects.
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Cost Efficiency

Research has shown that pre-hung door sets can represent significant savings in both the capital costs and the labour required. Savings can also be realised through the elimination of waste and stock loss on site.
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Wide Specification Choice

Our bespoke service provides an endless choice of styles, finishes, hardware and performance. As a factory finished unit the specifier can be satisfied in advance, that every aspect of the specification has been met, prior to arrival on site.



© The McAvoy Group

Specification options

We produce door sets to your exact specification, including required door closure mechanisms and automation.



Acoustic Performance

Door sets are available in acoustic grades RW 27dB, RW 33dB, 38 dB 43dB, meeting the requirements of BS93

Fire Performance

The Boomer range includes door options to FD30 and FD60, including the necessary smoke and fire seals. All doors are certified by Certifire.

Ironmongery

Fit out can be totally bespoke or choose from our well proven stock range. Option for ironmongery fully fitted or supplied loose.

Health Ratings

We can supply door sets to meet the requirements of HTM 58. Special adaptations are available to comply with special requirements for x-ray, clean rooms etc.

Vision Panels

A full range of options for number, positioning and performance of vision panels is available.

Frames & Architraves

Frames and architraves can be specified as natural timber, painted MDF or PVC clad. Frames can be specified as click together MDF or PVC with concealed fixings



Door set types

Boomer pre-hung door sets can be specified with a range of glazing, ironmongery and performance options.

Door Type



Style A



Style B

These illustrated examples are just a small sample of the total permutations available.

Options include

- Double doors in equal or unequal pairs
- Over panels may be glazed or solid
- Right hand or left hand openings
- Inward or outward openings
- Dual swing door options
- Options for mechanical or electrical closure mechanisms



Style C



Style D



Style E

Door & Panel Type



DP1



DP2



DP3



DP4



DP5

Vision Panels - Boomer is a certified licensed manufacturer of glazed and unglazed apertures in door sets to meet the specification required within the fire test certificate. See page 16 for full details of Doc M and BS 8300. Glazing options include; Clear, Obscured, Wired, Etched, Wired and Textured.

Door ranges

Dekordor Foiled doors

The Dekordor foiled range offers a modern wood look finish which is consistent in colour and grain every time. This makes the Dekordor range ideal for projects with multiple doors, used in close proximity.

- Vertical grain as standard, horizontal on request
- Certified Fire grades FD30 or FD60
- Matched pairs available from stock

Standard Duty

Available in wood look range plus white in wood grain or smooth finish.

Heavy Duty

Suitable for demanding locations, available in wood look range plus 22 colour options.

Dekordor SD



Oak Walnut Ash Steamed Beech

Dekordor HD Foiled doors



Oak Walnut Ash

Dekordor HD colour options



Real wood veneer doors

These FSC certified, high quality, real wood veneer doors are supplied fully factory finished with hardwood lips and glazing beads to complement or contrast with the veneer.

- “A” grade, centre book matched veneers
- Vertical grain as standard, horizontal on request
- Certified Fire grades FD30 or FD60

*Please note that since veneer and lips are natural products, some variations may occur.

Crown cut veneers



Oak (N. America) Ash (N. America) Steamed Beech Maple (N. America) Cherry (N. America) Walnut (N. America)

Crown cut veneers



Sapele Koto Eucalyptus

Primed or paint grade



Factory Industrial Primed Paint Sanded

Post Formed Doors

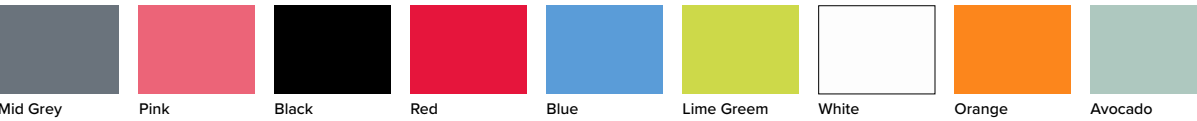
Predominantly used within the Healthcare sector, these doors are encapsulated with 2mm u-PVC which is fire rated and incorporates anti-bacterial properties. The finish of this door type makes it ideal for applications where hygiene is of extreme importance.

- Matching post formed frames.
- Certified Fire grades FD30 or FD60
- Impact and scratch resistant
- Standard colour range offered, with optional colours upon request.

Textured Finish Colours



Smooth Finish Colours



Technical specifications

Door Dimensions

In addition to the standard sizes highlighted in the table below, we can produce door leaves and sets to meet your bespoke requirements,

Standard sizes for single acting doors

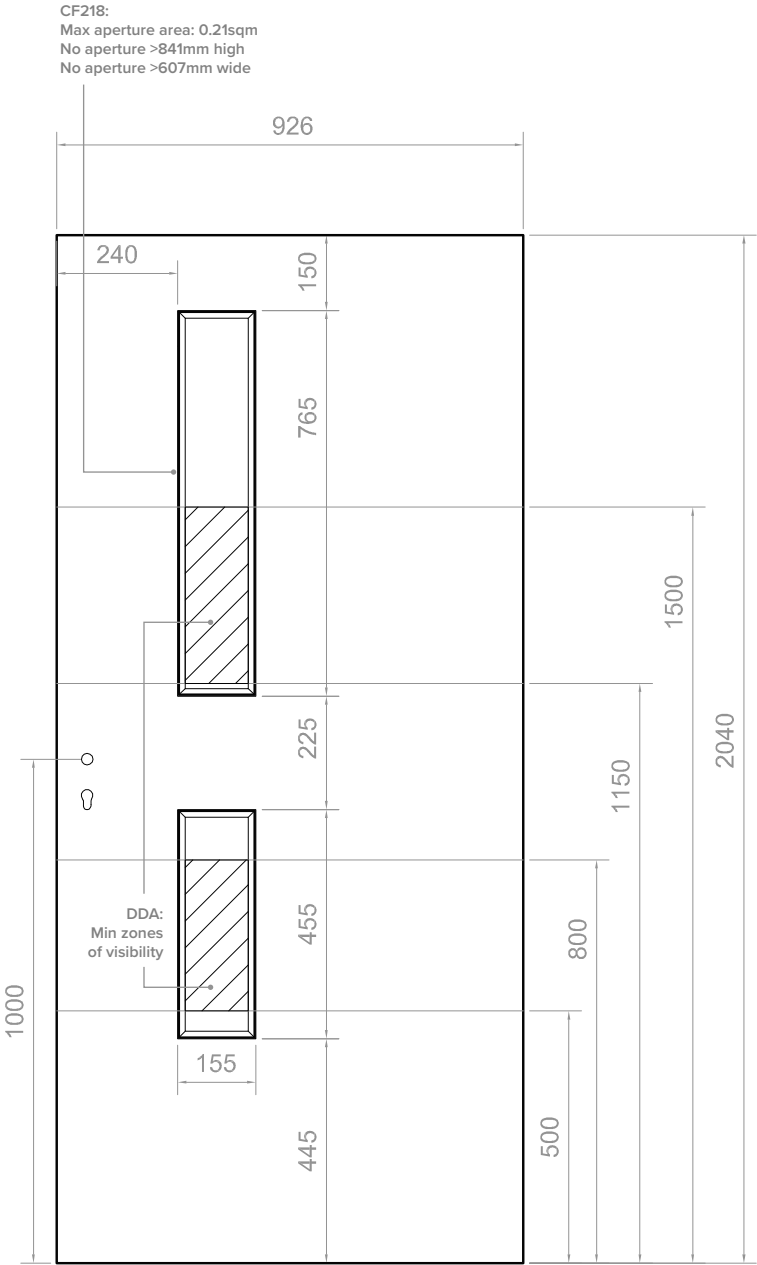
	Door Leaf	Outer Frame Measurement	Aperture Opening Size
	(mm)	10mm gap from FFL to base of door	5mm tolerance around edge of frame
Standard Metric Sizes	1026x2040	1096x2085	1106x2090
	926x2040	996x2085	1006x2090
	826x2040	896x2085	906x2090
	726x2040	796x2085	806x2090
	626x2040	696x2085	706x2090
	526x2040	596x2085	606x2090
	426x2040	496x2085	506x2090
Standard Imperial Sizes	914x1981 (36" x 78")	984x2026	994x2031
	864x1981 (27" x 78")	934x2026	944x2031
	838x1981 (33" x 78")	908x2026	918x2031
	813x2032 (32" x 80")	883x2077	893x2082
	762x1981 (30" x 78")	832x2026	842x2031
	686x1981 (27" x 78")	756x2026	766x2031
	610x1981 (24" x 78")	680x2026	685x2031
	533x1981 (21" x 78")	603x2026	613x2031
	457x1981 (18" x 78")	527x2026	537x2031
	381x1981 (15" X 78")	451x2026	461x2031

Vision Panels

Boomer are a Certifier licensed manufacturer of glazed and unglazed apertures in doorsets. With many doors now only carrying certification if apertures are machined by Certifier accredited suppliers, you can be confident that the glazed aperture supplied by Boomer meets the specification contained within the Fire Test certificate.

Typical Vision Panel Sizes and Positions (Doc M and BS8300).

Door leaves and side panels in excess of 450mm wide must be provided with viewing panels, giving a zone of visibility between 500mm and 1500mm from floor level. The requirement applies to all entrance doors and to those internal doors, where vision is appropriate.



Architraves, casings & skirtings

Boomer not only supply door sets but will also supply a huge range of internal trimming products such as architrave, skirting and frame linings, in either hardwood, softwood, MDF and PVC with finishes to match or contrast frames.

We can also get a range of possible bespoke finishing products; please contact our Door department with any queries you may have.

Frame Specification

Standard

Timer frame in machined Redwood
Frame depth 94-250mm
Smoke and in-tumescent sealing strips are factory fitted, as per specification.

Options

Hardwood frames, matched to door veneer with matching hardwood pellets to cover frame fixings.

MDF veneered

Redwood with PVC or MDF cladding.

Finishes

Full range of factory finish options including; Unfinished, Primed, Painted.

PVC Architrave, Skirting & Frame Casings

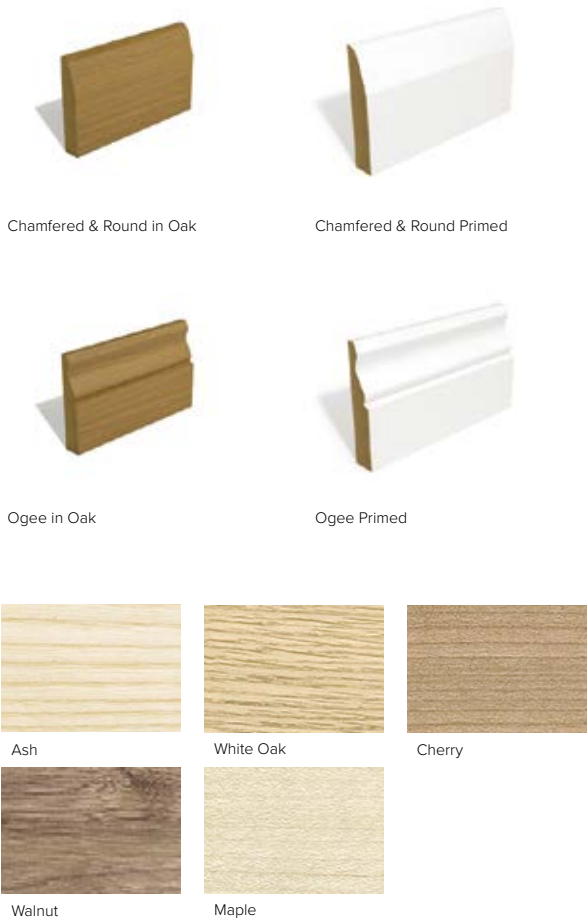
At Boomer we have designed a unique frame casing with matching architrave and skirting that can be finished in PVC and available in range of standard RAL colours.

We can also offer our PVC door set accessories in a wide range of foiled finishes to either match or contrast with the door leaf. For further information contact the Boomer sales team.



MDF Prime or Veneered Architrave & Skirting

Along with our choice of veneered, paint or prime finished doorsets, we offer complementary skirting and architrave. Below is a sample selection of what we offer; if none of these meet your requirements, we offer a bespoke design service.



Bespoke Products

Boomer has supplied bespoke products to many market sectors for over 40 years. The Boomer R&D team works closely with existing and prospective customers to develop products specific to the customers needs. From a new concept to the end product, Boomer will support customers and advise on the best course of action.

The Boomer in-house design team will produce technical drawings and prototypes to prove the viability of a product.

With a successful track record of project managing the introduction of new bespoke products, Boomer customers can be confident of a cost effective approach and a profitable outcome.

Secured by design

Boomer also offers a range of SBD secure entrance doors, ideal for use in apartments or multi-occupancy dwellings. These sets provide options in fire rating, acoustic performance and locking systems designed to meet recognised Secured By Design approved industry standards.

All doors are designed and installed to comply with PAS 24:2016. PAS24.

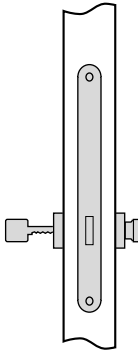
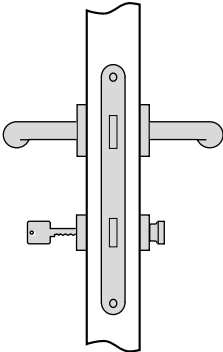
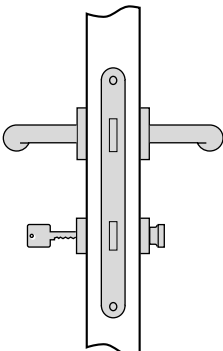
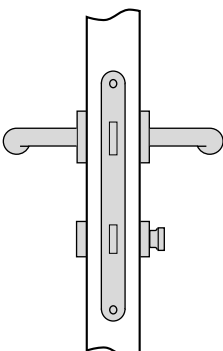
- FSC Certified
- Pas23/24 SBD
- FD30 Fire Rated
- 32dB Acoustic rating
- Thermal Compliance U-Value 2
- 3 point locking with anti-bump cylinder
- Pre-fitted drop seal
- Acoustic, Smoke and Fire seals



Ironmongery Options

LOCK TYPES

Guidance on the different types of locks featured in the Boomer range.

DEADLOCK Single cylinder bolt operating by keys and/or thumb turns.	CORRIDOR SIDE		ROOM SIDE Turn operates deadbolt when door is closed. Preventing access from corridor side to non-key holders
Typical Scenarios <ul style="list-style-type: none">• Store Rooms• Halls & mixed use spaces• Atriums• Server rooms• Duct rooms• Circulation spaces• Riser Doors	Key or turn operates deadbolt when door is closed.		
SASHLOCK Lever handles operating a latch bolt, keys and/or thumb turns operate a deadbolt.	CORRIDOR SIDE		ROOM SIDE Lever handle retracts latch bolt. Turn operates deadbolt when door is closed. Preventing access from corridor side to non-key holders
Typical Scenarios <ul style="list-style-type: none">• Offices• Meeting Rooms• Store Rooms• Classrooms• Halls & mixed use spaces	Lever handle retracts latch bolt. Key or turn operates deadbolt when door is closed.		
ESCAPE LOCK Allows for an egress in a single operation in case of an emergency, even when the door is locked.	CORRIDOR SIDE		ROOM SIDE Lever handle retracts both bolts, allowing for emergency egress using only one operation. Turn operates deadbolt when door is closed.
Typical Scenarios <ul style="list-style-type: none">• Classrooms• Halls & mixed use spaces• Shared Offices• Communal Spaces	Lever handle retracts latch bolt only. Key operates deadbolt when door is closed.		
BATHROOM LOCK Lever handles operate a latch bolt, thumb turn on bathroom side operates a deadbolt with an occupancy indicator on the external side.	CORRIDOR SIDE		ROOM SIDE Lever handle retracts both bolts, allowing for emergency egress using only one operation Turn operates deadbolt when door is closed. Preventing access from corridor side.
Typical Scenarios <ul style="list-style-type: none">• Bathrooms• Shower rooms• Changing rooms• NOT bathroom cubicles	Indicator displays occupancy.		

DOOR FURNITURE

Handles and other protruding hardware.

LEVER HANDLE FURNITURE PACK

Components

- Lever handle & rose
- Bathroom turn & indicator
- Escutcheon

Benefits

- Push-fix rose
- The solid mounting plate with 4mm fixing lugs provides an easy assembly base. Complete with male/female fixings.
- Meets the dimensional recommendations of BS8300 and Approved Document M and provides added safety with its return to door design.

Technical Details

Material	Stainless Steel
Grade (BS EN1906)	4
Handle Diameter	19 mm

Finishes

Satin stainless steel is provided as standard.
Satin anodised aluminium finish is available upon request.



PULL HANDLE

A robust and functional 19mm diameter, round bar D pull handle.

Benefits

- FD30 and FD60 fire rated
- Fixed with 2no M8 threaded bolts through the door giving the strongest fixing possible.

Sizes

Our standard size handle is 450 mm.
More sizes are available upon request.

Finishes

Satin stainless steel is provided as standard.
Satin anodised aluminium finish is available upon request.



PROTECTION PLATES (STANDARD)

Radius rectangular push plate / kick plate.
Supplied as standard unless specified.

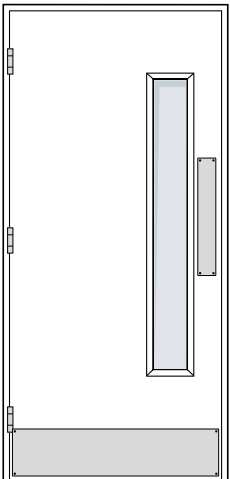
Technical Details - Push Plate

Width	75 mm
Height	500 mm
Thickness	1.2 mm
Material	Stainless Steel

Technical Details - Kick Plate

Width	To suit door width
Height	150 mm
Thickness	1.2 mm
Material	Stainless Steel

Note: Satin anodised aluminium available upon request



DOOR CLOSERS

BS EN 1154/1155 classifies door closing devices using a six digit coding system. Each digit representing a different category.

1 Category of use

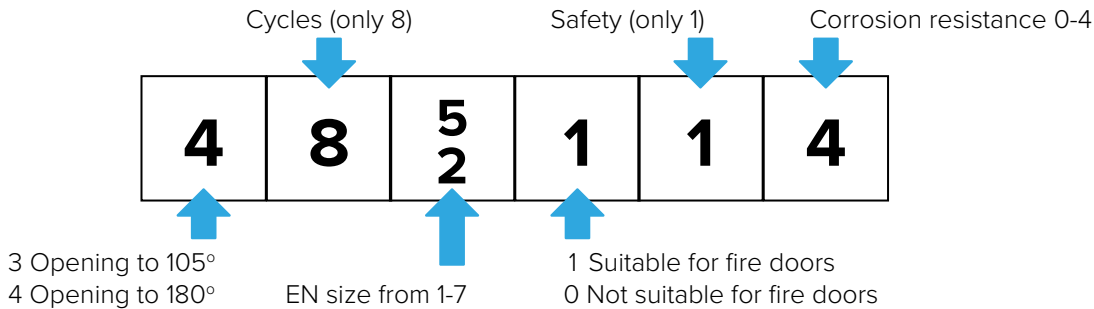
2 Number of test cycles

3 Test door mass/size

4 Fire behaviour

5 Safety

6 Corrosion resistance



SCISSOR ARM CLOSER TS72V

Universal rack and pinion door closer with scissor arm.

Features

- Adjustable closing force
- Hold open EMF option available



Technical Details

Closing Force	EN2-4
Max. Door Width	1100 mm
Body Size	232 x 68 x 45 mm
CE Marked	to BS EN 1154
Max. Opening Angle	180°

EN1154 Classification

1	2	3	4	5	6
4	8	2-4	1	1	2

FLOOR SPRING BTS75V

Adjustable powered universal floor spring.

Features

- Adjustable closing force
- Adjustable closing and latching speed
- Optional delayed action
- Optional mechanical hold open (not for fire doors)



Technical Details

Closing Force	EN1-4
Max. Door Width	1100 mm
Body Size	285 x 82 x 50 mm
CE Marked	to BS EN 1154
Max. Opening Angle	175°

EN1154 Classification

1	2	3	4	5	6
3	8	1-4	1	1	4

TRANSOM CLOSER RTS87

For double action doors where the mechanism is situated in a 70 mm frame head due to insufficient screed depth or to avoid under floor heating.

Features

- Adjustable closing force
- Adjustable closing and latching speed
- Optional delayed action (RTS87H)



Technical Details

Closing Force	EN1-4
Max. Door Width	1100 mm
Body Size	321 x 108 x 55 mm
CE Marked	to BS EN 1154
Max. Opening Angle	180°

EN1154 Classification

1	2	3	4	5	6
3	8	1-4	1	1	4

ELECTROMAGNETIC HOLD OPEN TRANSOM CLOSER RTS80EMB

Electromagnetic hold open version of the RTS87 closer.

Features

- Adjustable closing and latching speed
- Electromagnetic hold open from 75° to 175°
- Free swing option available



Technical Details

Closing Force	EN4 or EN5
Max. Door Width	1100 mm or 1250 mm
Body Size	360 x 108 x 61 mm
CE Marked	to BS EN 1155
Max. Opening Angle	175°
Voltage	24 V DC± 15%

EN1154 Classification

1	2	3	4	5	6
3	8	4/5	1	1	4

FINGER PROTECTION

Hardware to reduce the risk of injury caused by finger trapping.

INTEGRAL FINGER PROTECTION

Timber doorset with seamless integral finger protection.

The majority of anti-fingertrap solutions are retro-fit and are often unattractive and cumbersome. They work on the premise of covering the gap between the door and frame.

This integral finger guard system eliminates this gap, preventing fingers from getting trapped from both sides. The smooth curve is an integral part of the timber doorset rather than an add-on feature. The discreet and ergonomic solution forms part of the full doorset and allows the customer to select from a wide choice of timber veneer and high pressure laminate options to achieve the perfect aesthetics for the building.



Technical Data

Door Type Suitability	Single leaf, single swing Internal doors of 44 mm or 54 mm thickness
Fire Rating	FD30S and FD60S
Acoustic Rating	Up to 32dB on 44mm doors and 38dB on 54mm doors
Test Evidence	BS 8613:2017 - Type A, Class 2 Primary fire tested in accordance with BS 476 pt22
Finish	Anodised Silver or Standard RAL Colours or Timber Effects
Opening Diameter	100° on single action doors

RETRO-FIT FINGER PROTECTION

Surface mounted finger guard.

Customers can of course choose to incorporate a less expressive retro-fit finger protection system if preferred, which won't carry the same advantages as an integral system. These may be required on refurbishment projects where some existing doorsets are being retained.

Benefits

- Sometimes considered as a value engineering option
- Easily installed, retro-fit (useful for refurbishment projects)
- Excellent safety solution
- Nominal impact of door opening force



boomer



Boomer Industries Ltd

6 Ferguson Drive,
Knockmore Hill Ind Park
Lisburn,
BT28 2FW

t. +44 (0) 28 9266 2881

boomer.co.uk