



BST/FBST SPECIAL LINE



Attractive appearance, extensive design options

BST SPECIAL LINE automatic curved sliding doors are the perfect answer to providing entrance areas with a customised and aesthetically pleasing appearance. Half-circles, full circles, ovals, segments, double segments, made-to-measure and versions deriving from these variants: anything is possible.

Tailored to your architectural concept, BST SPECIAL LINE automatic curved sliding doors can be designed to either contrast or harmonise with the building façade, providing an all-glass appearance complemented and augmented by the slender profiles of their fine-framing. BST SPECIAL LINE automatic curved sliding doors will perform draught exclusion and airlock functions, steer people in the right direction and give width and depth to even cramped structural openings. They can also be combined with other automatic doors.

Reliable and safe

As in the case of all components and systems from the dormakaba portfolio, BST SPECIAL LINE curved sliding doors excel in reliability and user convenience. The self-learning microprocessor control unit keeps the system running smoothly and reliably. Combining with the integrated presence sensor, it also ensures maximum operational safety.

The doors are designed to order, manufactured to fit and supplied ready for installation. If required, dormakaba will also perform the installation and commissioning work.

For emergency exits and escape routes

Under the designation FBST SPECIAL LINE, these curved sliding doors can also be supplied with a redundant operator, an additional control unit for safety purposes and a special motion detector. The FBST is typed-approved by the German TÜV as an "automatic sliding door without breakout for use in escape routes". If desired, the doors can be equipped with safety components (sensors) in accordance with DIN 18650.

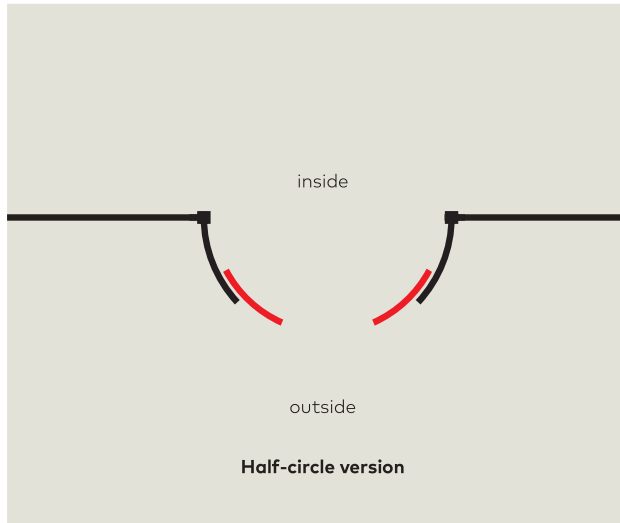


**DORMA FBST with approval for
application in emergency exits and
escape routes according to DIN 18650**

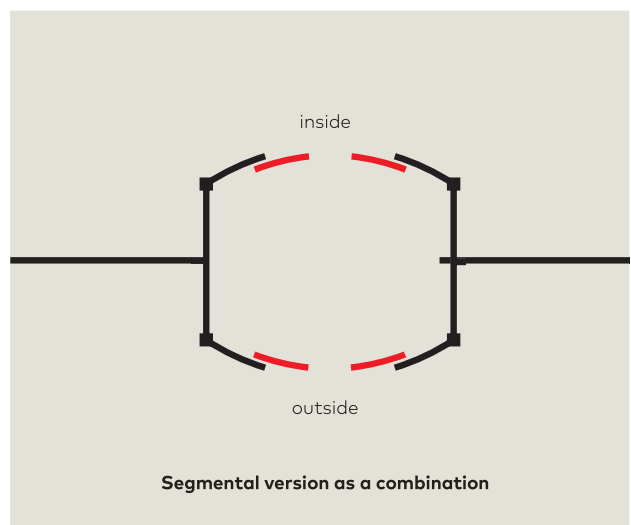
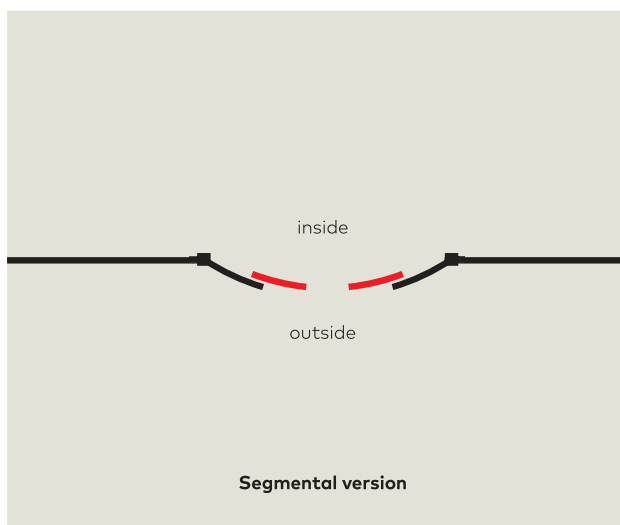
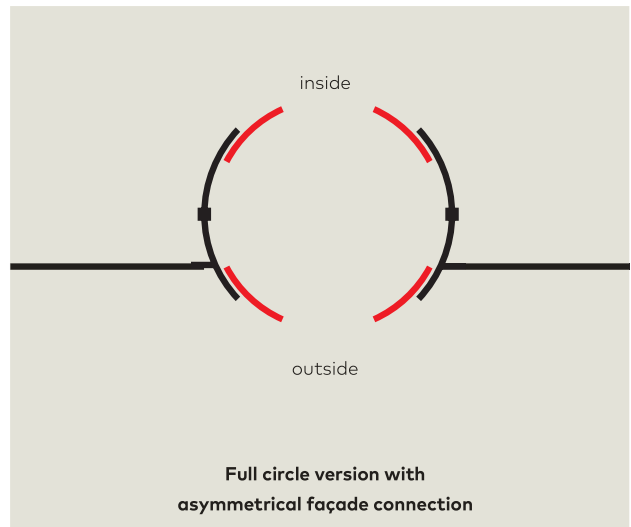
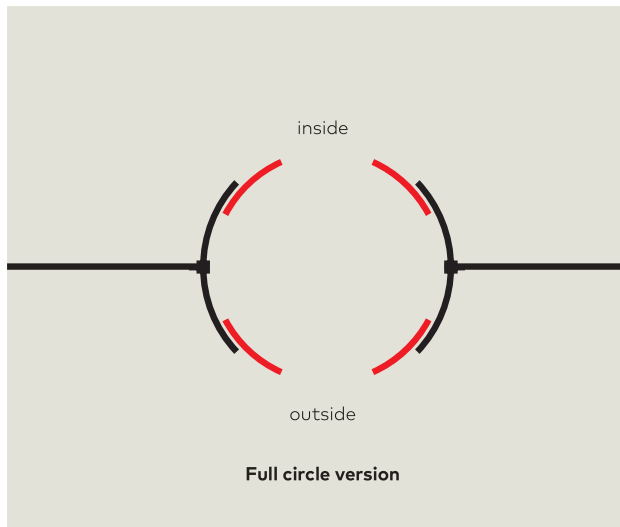
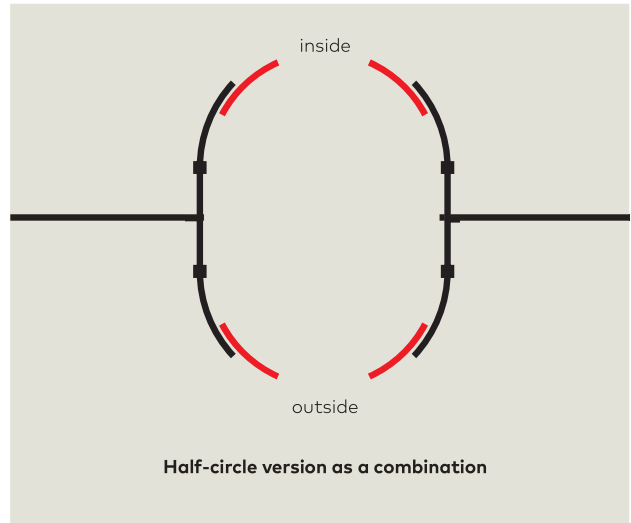


Designs

Basic configurations



Layout options



Data and features

Dimensions and versions	BST	FBST
Clear passage width LW ²⁾	1000 – 2500 mm ¹⁾³⁾	1000 – 2500 mm ¹⁾³⁾
Escape route width F	–	1000 – 2500 mm ¹⁾³⁾
Installation width B, min. ²⁾	2064 mm	2064 mm
Passage height H	2100 – 2500 mm ¹⁾	2100 – 2500 mm ¹⁾
Half-circle radius r	1000 – 2000 mm ¹⁾	1000 – 2000 mm ¹⁾
Full circle radius r	1000 – 2000 mm ¹⁾	1000 – 2000 mm ¹⁾
Segmental radius r	freely selectable, min. 1000 mm	freely selectable, min. 1000 mm
Number of sliding panels	1 ³⁾ or 2	1 ³⁾ or 2
2-panel, symmetrical	●	●
Asymmetrical	○	○
Fixed side screens	●	●
Canopy height (min.)	240 mm	240 mm
Canopy height extension (240 – 700 mm) ¹⁾	○	○
Sliding panel, convex	●	●
Max. weight per door panel	130 kg	110 kg

¹⁾ Standard dimensions (other dimensions on request)

²⁾ Depending on radius r

³⁾ max. clear passage width (LW) for 1-panel door = 1300 mm

Technical data	BST	FBST
Power consumption, max.	250 W	250 W
Power consumption, average	30 W	30 W
Supply voltage/frequency	230 V / 50 – 60 Hz	230 V / 50 – 60 Hz
External power supply	27 V DC / 2 A	27 V DC / 2 A
TÜV type-approved	●	●
Compliant with the Low Voltage Directive	●	●
Manufactured to ISO 9001	●	●

Adjustable parameters	BST	FBST
Opening speed per panel, adjustable	100 – 600 mm/s	100 – 600 mm/s
Closing speed per panel, adjustable	100 – 500 mm/s	100 – 500 mm/s
Low (creep) speed per panel, adjustable	30 – 90 mm/s	30 – 90 mm/s
Opening and closing force, adjustable	●	●
Max. force on contact with obstacle	150 N	150 N

Operator and control unit	BST	FBST
Operator	ES 200	ES 200 2D
Microprocessor control unit	●	●
Integrated presence sensor	○	○
Equipped in accordance with DIN 18650	○	○
Obstruction self-recognition	●	●
Automatic reversing cycle on obstruction contact	●	●
Complete system self-test	●	●
Connection for airlock function	●	–
Parameter adjustment capable	●	●
Self-learning	●	●
Class of protection	IP 20	IP 20
Pulse expansion for cheque and code card readers or key switches	●	●
Potential-free contact	●	●
Bus-capable	●	●
Door status contact, locking device for door system	○	○

Program modes	BST	FBST
Off	●	●
Automatic	●	●
Exit Only	●	●
Permanent Open	●	●
Partial Open, Exit Only	●	–
Night-/Bank Function	●	●

Design of ceiling	180°/360°	Segment
Ceiling	●	○
Operator cover	○	●
Upper dust-proof ceiling	●	●
Ceiling prepared for rainproofing (by others), incl. spouts	○	–

Profiles and glazing	BST	FBST
Fine-frame profile system with 10 mm laminated safety glass	-G ●	●
Insulating glass profile system with 18 mm insulation glass	-Iso ○	○
Special glazing with patterning, sand-blast effect, screen printing etc.	○	○

Accessories	BST	FBST
Façade connection, panel board	○	○
Aluminium girder with aluminium cover, external	●	●
Aluminium girder	●	●
Adhesive-bonded midrails	○	○
Air curtain (180 and 360° design, canopy extension required)	○	○
LED-Spotlights	○	○
Floor mat	○	○
Floor guide rail		
Surface-mounted floor guide without floor ring	●	●
Surface-mounted floor guide with floor ring	○	○
Flush-mounted floor guide with floor ring (Compulsory for clear passage widths (LW) beyond 1500 mm)	○	○

Accessories/Safety equipment	BST	FBST
Locking device		
Electro-mechanical locking device	○	–
Electro-mechanical locking device with manual lock release	○	○
Fail-safe via emergency power supply unit	○	●
Monitored rechargeable battery pack	○	●
Intrinsically safe activator in escape direction	–	●
Motion detector, external	○	○
Motion detector, internal	○	○
Emergency pushbuttons		
Emergency Off function	○	–
Emergency Opening function	–	○

● standard ○ optional