



STEEL / STAINLESS STEEL CONSTRUCTION PROJECT DOORS STS / STU

Flush and fully bonded composite construction



HÖRMANN





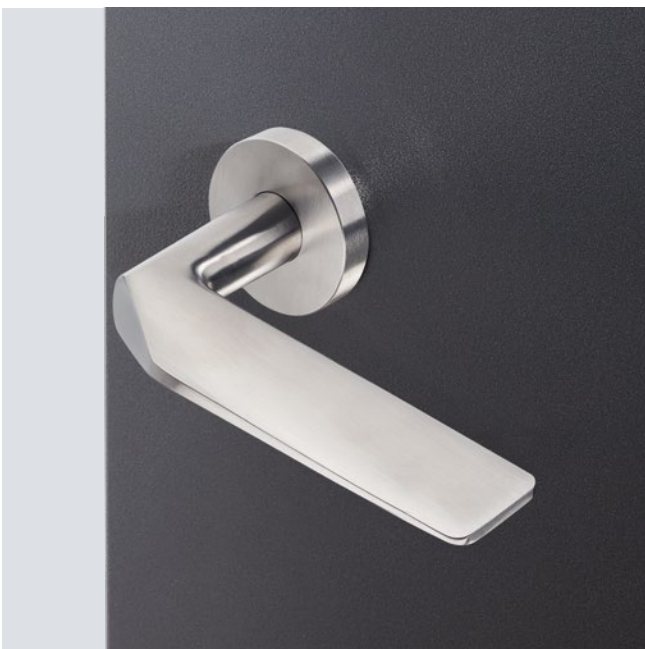
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Good reasons
to try Hörmann



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Reference projects



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Versions
Equipment
Technology

Brand quality made in Germany



The family-owned company Hörmann offers all important construction components for building and renovating projects from a single source. We manufacture in highly specialised factories using state-of-the-art production technologies. Our employees work intensively on new products, continual further developments and improvements to details. The results are patents and unique products on the market.





WE THINK AND ACT GREEN. As a family business, we are very conscious of our responsibility to future generations. The Hörmann climate protection strategy aims to reduce and avoid CO₂ emissions. We cover 100% of our electrical power needs at all European production locations with purchased green electricity. We are also investing in a clean future with other measures such as the use of recycled paper, CO₂-neutral postal shipping and the recycling of transport packaging to save more than 75,000 tons of CO₂ every year. We work with ClimatePartner to offset the emissions that we do generate by supporting certified climate protection projects. In particular, we offset all CO₂ emissions produced in manufacture of products for residential construction as standard. Products for construction projects are also available as CO₂-neutral versions upon customer request.



You can find further information at
www.hoermann.com/sustainability



ClimatePartner
certified product
climate-id.com/FYZNUF



CO₂
measure
reduce
contribute

Sustainable planning for trend-setting construction

Experienced specialists within our customer-oriented sales organisation accompany you from the planning stage, through technical clarification up to the final building inspection. Complete working documentation, such as technical manuals, is always accessible and up-to-date at www.hoermann.com





SUSTAINABILITY DOCUMENTED. Hörmann has already received confirmation of sustainability through an Environmental Product Declaration (EPD) in accordance with ISO 14025 from the Institut für Fenstertechnik (ift – Institute of window technology) in Rosenheim, Germany. This EPD was created based on EN ISO 14025:2011 and EN 15804:2012.

In addition, the general guidelines for the preparation of type III Environmental Product Declaration apply. The declaration is based on the PCR document “Doors” PCRTT-1.1:2011.



PRODUCT PORTAL FOR ARCHITECTS AND PLANNERS.

Clearly structured navigation and a search function provide faster access to texts for invitations to tender, technical data, certificates, CAD drawings and much more. In addition, BIM data can be provided for many products for the Building Information Modelling process, enabling efficient planning, drafting, construction and management of buildings. Photos and photo-realistic presentations provide additional information on many products.



We are a member of the professional association for digital building products in the Federal Association of Building Systems e.V.



Developed for the future in every respect

Our new and further developments are constantly tested for the required fire resistance and smoke-tightness through in-house fire tests at our fire testing centre. The knowledge gained from these tests ensures high fire protection for buildings. They also allow us to optimally prepare our innovations for the official inspections by authorised test centres for official approvals.





T30 / EI₂30 Fire-retarding



T90 / EI₂90 Fire-proof



RS / S₂₀₀ Smoke-tight



S_a sealed



Self-closing C5



Acoustic-rated



Break-in-resistant RC2



Break-in-resistant RC3

NATIONAL AND EUROPEAN INSPECTIONS.

Internal and external doors have different requirements for fire protection and performance characteristics, such as wind load or water tightness under heavy rain. Internal doors with fire protection characteristics are tested and certified in accordance with German standard DIN 4102 and European standard EN 1634. The performance characteristics of external doors are tested and classified in accordance with the European standards EN 16034 and EN 14351-1 and documented in the declaration of performance (DoP).

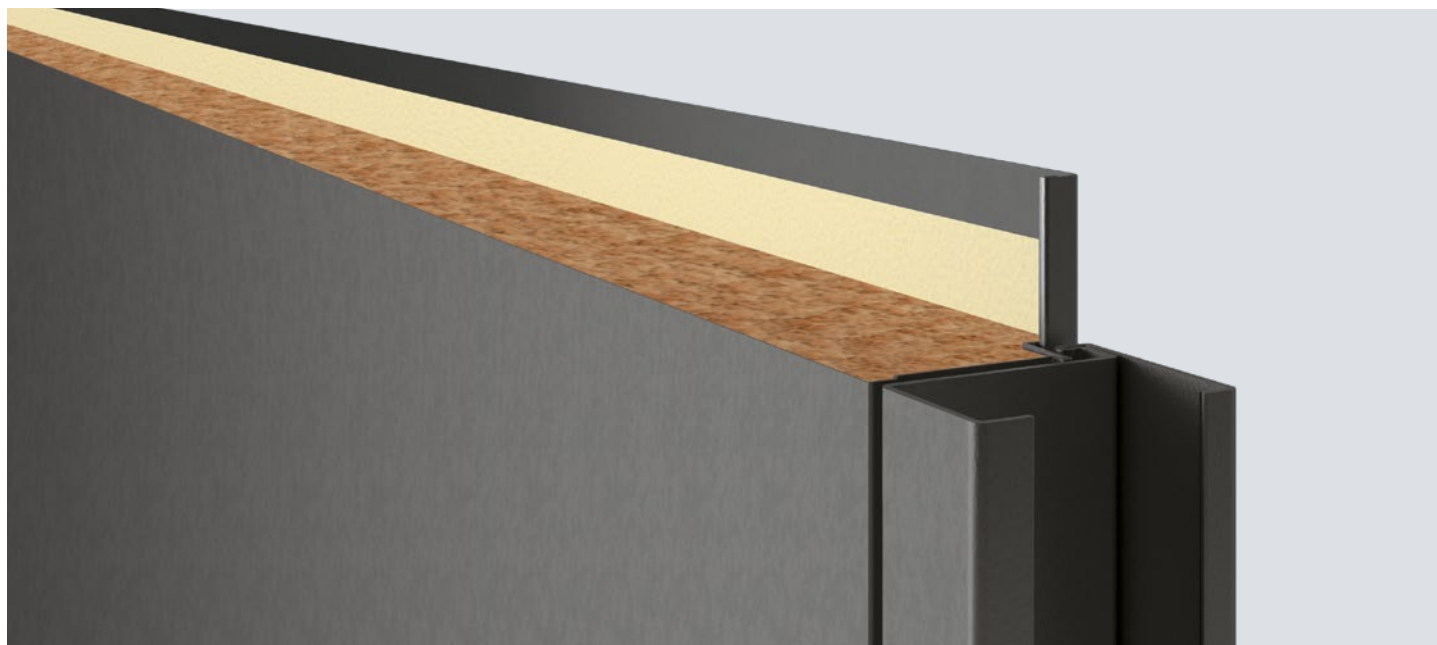
→ For further information, see from page 22.



Elegant system appearance in all functions

Hörmann steel and stainless steel construction project doors are characterised by a matching door appearance in all functions and in all combinations with corner, block or profile frames. This provides your property with a harmonious appearance with high-quality details such as a flush-fitting door leaf transition in double-leaf doors or a flush-fitting transition to the top part.





62 mm door leaf thickness



Flush-closing
STS version



Thick rebate
STU version



8 preferred colours



Stainless steel version

FLUSH COMPOSITE CONSTRUCTION. The flush and fully bonded composite construction substantially increases leaf rigidity and the door closes with a rich sound. Thanks to a uniform door leaf thickness of 62 mm, you have a uniform door design for every function. It also makes your planning for wall openings and passage widths extremely easy.

REBATE VERSIONS. The flush STS version is especially suitable for demanding architecture. A combination with block frame 62 produces a flush-fitting transition between the door leaf and frame. The STU thick rebate version is recommended for functional areas in outdoor applications and for break-in-resistant doors (RC2, RC3).

SURFACE FINISHES AND COLOURS. Door leaves and frames are galvanized as standard or galvanized and primed in RAL 9002 Grey white. Our doors are optionally available with a high-quality powder coating in 8 preferred colours, in RAL to choose and in special NCS colours. For applications with special visual or hygiene requirements or when technical room doors are required, you can select the STS / STU doors in stainless steel version.

→ For further information, see from page 22.

Frame systems for all your requirements

The high-quality frames for the steel and stainless steel construction project doors are backfilled with mineral wool at the factory and can therefore be fitted quickly and neatly without mortar. This minimises the risk of soiling or damaging the frame surface or brickwork, which is particularly suitable for retrofitting in existing structures and for frames with high-quality powder coating or stainless steel surface. This is particularly suitable for retrofitting in existing structures and for frames with high-quality powder coating or stainless steel surface.



FITTING WITHOUT MORTAR. The DryTec frame system (standard for all STS / STU frames) **1** is the ideal solution for simple, quick, clean fitting without mortar. Up to T90 / EI₂90, the frame for fire-rated doors is already backfilled with mineral wool at the factory. It is ideally suited for fitting to unplastered brickwork, as only the gap between the frame and the brickwork needs to be sealed with acrylic for a clean connection. Furthermore, neither the standard corner frame 40 nor any other standard frames require any mortice work for the frame components.

RENOVATION FRAME. The renovation frame STU 30-1 **2** is designed for fitting over the existing frame of fire-rated doors (H8-5 and H8-1). It is available with high-quality powder coating in Traffic white RAL 9016 or optionally in RAL to choose.

→ For further information, see from page 42.

Fitting without mortar with our DryTec frame



Renovation frame for fitting over an existing H8-5 or H8-1 door frame (shown in red)



Residential and commercial construction

Smoke and fire damage can have considerable, even life-threatening results. This makes safe equipment with fire-rated and smoke-tight doors even more crucial. In addition to the main function of the construction project doors (e.g. fire protection), the functions can be extended according to individual requirements. As a result, you can reliably protect your emergency exits against attempted break-ins with break-in-resistant doors in resistance classes RC2 or RC3. You can rely on Hörmann construction project doors that are tested and officially approved.

→ For further information, see from page 22.





L'Oréal Headquarters Düsseldorf
Architect: HPP Architekten GmbH, Düsseldorf

Hörmann products

- Steel and stainless steel construction project doors
- Steel and aluminium box frame construction project doors





Schleswig-Holstein University Hospital Kiel
 Architect: JSWD Architekten GmbH & Co. KG, Cologne

Hörmann products

- Steel and stainless steel construction project doors
- Steel and aluminium box frame construction project doors





Hospitals

For barrier-free access, all steel and stainless steel construction project doors can be equipped with a Hörmann operator HDO, which you can activate using buttons or radar / movement detectors. Also, a door with a barrier-free overhead door closer is possible, which allows the door to be opened with little effort.

→ For further information, see from page 48.





Canteens and food industry

STU construction project doors are also available as V2A or V4A grade stainless steel doors in a polished, circular or striped finish for use in the food or pharmaceutical industry.

→ For further information, see from page 39.





Building X at Bielefeld University

Architects: agn Niederberghaus & Partner GmbH,
Ibbenbüren

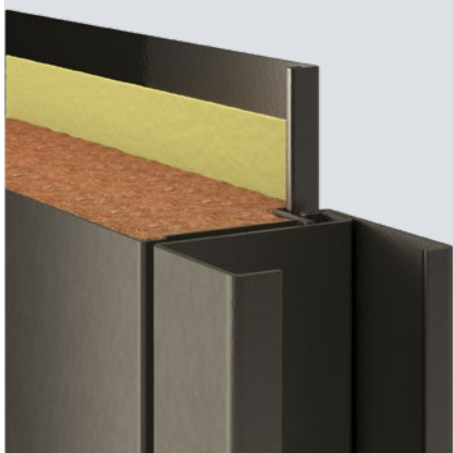
Hörmann products

- Steel and stainless steel construction project doors
- Steel and aluminium box frame construction project doors





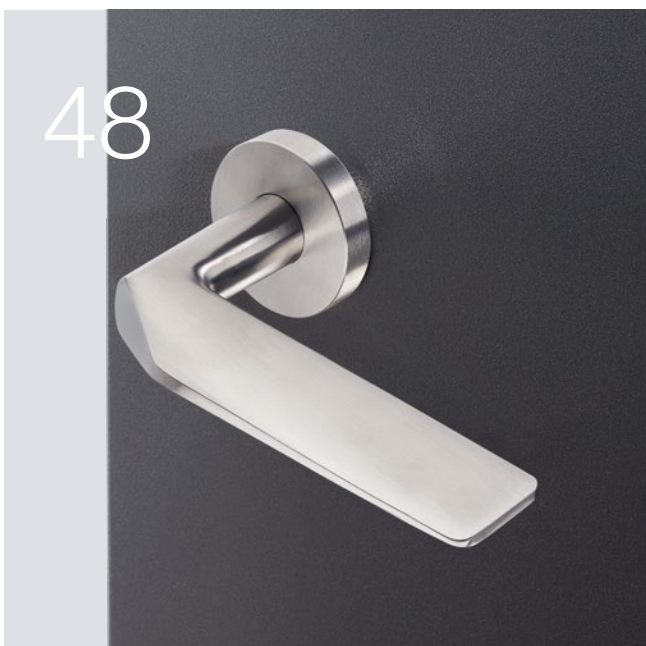
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Versions. Equipment. Technology.

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Steel and stainless steel internal doors, fire-retarding

Functions, performance characteristics, size ranges

Door type	STS 30-1	STU 30-1	STS 30-2	STU 30-2
Version	Single-leaf	Single-leaf	Double-leaf	Double-leaf
 T30 Fire-retarding	■	■	■	■
 T90 Fire-proof				
 RS Smoke-tight	●	●	●	●
 Acoustic-rated	●	●	●	●
 Break-in-resistant RC2		●		●
 Break-in-resistant RC3		●		●
 Stainless steel				
Construction	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Rebate type	Flush	Thick rebate	Flush	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Additional performance characteristics				
Acoustic insulation				
With retractable bottom seal	Up to 32 dB		Up to 32 dB	
With double rebate frame	Up to 42 dB		Up to 42 dB	
Fitting in				
Brickwork	≥ 115 mm		≥ 115 mm	
Concrete	≥ 140 mm		≥ 140 mm	
Gas concrete	≥ 200 mm		≥ 200 mm	
Partition walls	≥ 100 mm		≥ 100 mm	
Cladded steel supports / girders	≥ F60 A		≥ F60 A	
Clear passage dimension				
Width	585 – 1300 mm		1335 – 2600 mm	
Height	1730 – 2800 mm		1730 – 2800 mm	
Traffic leaf width			591 – 1309 mm	
Overall frame dimension for block frame				
Width	695 – 1530 mm		1445 – 2830 mm	
Height	1785 – 2915 mm		1785 – 2915 mm	
Height with top part*	2030 – 3500 mm		2030 – 3500 mm	
Nominal size for corner / profile frame				
Width	625 – 1380 mm		1375 – 2680 mm	
Height	1750 – 2840 mm		1750 – 2840 mm	
Height with top part*	2030 – 3500 mm		2030 – 3500 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

* Top part height 300 – 1000 mm

STS 30-1	STU 30-1	STS 30-2	STU 30-2
Single-leaf	Single-leaf	Double-leaf	Double-leaf
			
			
			
			
			
			
Stainless steel	Stainless steel	Stainless steel	Stainless steel
Flush	Thick rebate	Flush	Thick rebate
+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm
Up to 32 dB		Up to 32 dB	
Up to 42 dB		Up to 42 dB	
≥ 115 mm		≥ 115 mm	
≥ 140 mm		≥ 140 mm	
≥ 200 mm		≥ 200 mm	
≥ 100 mm		≥ 200 mm	
≥ F60 A		≥ 125 mm	
585 – 1290 mm		1335 – 2525 mm	
1730 – 2800 mm		1730 – 2800 mm	
		591 – 1250 mm	
695 – 1520 mm		1445 – 2755 mm	
1785 – 2915 mm		1785 – 2915 mm	
2030 – 3500 mm		2030 – 3500 mm	
625 – 1370 mm		1375 – 2605 mm	
1750 – 2840 mm		1750 – 2840 mm	
2030 – 3500 mm		2030 – 3500 mm	

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC2, RC3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel internal doors, fire-proof

Functions, performance characteristics, size ranges

Door type	STS 90-1	STU 90-1	STS 90-2	STU 90-2
Version	Single-leaf	Single-leaf	Double-leaf	Double-leaf
 T30 Fire-retarding				
 T90 Fire-proof	■	■	■	■
 RS Smoke-tight	●	●	●	●
 Acoustic-rated	●	●	●	●
 Break-in-resistant RC2		●		●
 Break-in-resistant RC3		●		●
 Stainless steel				
Construction	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Rebate type	Flush	Thick rebate	Flush	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Additional performance characteristics				
Acoustic insulation				
With retractable bottom seal	Up to 37 dB		Up to 37 dB	
With double rebate frame				
Fitting in				
Brickwork	≥ 175 mm		≥ 175 mm	
Concrete	≥ 140 mm		≥ 140 mm	
Gas concrete	≥ 200 mm		≥ 200 mm	
Partition walls	≥ 150 mm		≥ 150 mm	
Cladded steel supports / girders	≥ F90 A		≥ F90 A	
Clear passage dimension				
Width	585 – 1300 mm		1335 – 2600 mm	
Height	1730 – 2800 mm		1730 – 2800 mm	
Traffic leaf width			511 – 1309 mm	
Overall frame dimension				
Width	695 – 1530 mm		1445 – 2830 mm	
Height	1745 – 2915 mm		1785 – 2915 mm	
Nominal size for corner / profile frame				
Width	625 – 1380 mm		1375 – 2680 mm	
Height	1710 – 2840 mm		1750 – 2840 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

STS 90-1	STU 90-1	STS 90-2	STU 90-2
Single-leaf	Single-leaf	Double-leaf	Double-leaf
			
			
			
			
			
			
Stainless steel	Stainless steel	Stainless steel	Stainless steel
Flush	Thick rebate	Flush	Thick rebate
+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm
Up to 37 dB		Up to 37 dB	
≥ 175 mm		≥ 175 mm	
≥ 140 mm		≥ 140 mm	
≥ 200 mm		≥ 200 mm	
≥ 150 mm		≥ 150 mm	
≥ F90 A		≥ F90 A	
585 – 1300 mm		1335 – 2600 mm	
1730 – 2800 mm		1730 – 2800 mm	
		511 – 1309 mm	
695 – 1530 mm		1445 – 2830 mm	
1745 – 2915 mm		1785 – 2915 mm	
625 – 1380 mm		1375 – 2680 mm	
1710 – 2840 mm		1750 – 2840 mm	

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC2, RC3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel internal doors, smoke-tight

Functions, performance characteristics, size ranges

Door type	STS-1	STU-1	STS-2	STU-2
Version	Single-leaf	Single-leaf	Double-leaf	Double-leaf
 RS Smoke-tight	■	■	■	■
 Acoustic-rated	■	■	■	■
 Break-in-resistant RC2				
 Break-in-resistant RC3				
 Stainless steel				
Construction	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Rebate type	Flush	Thick rebate	Flush	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Additional performance characteristics				
Acoustic insulation				
With retractable bottom seal	Up to 32 dB		Up to 32 dB	
With double rebate frame	Up to 42 dB		Up to 42 dB	
Fitting in				
Brickwork	≥ 115 mm		≥ 115 mm	
Concrete	≥ 100 mm		≥ 100 mm	
Gas concrete	≥ 150 mm		≥ 150 mm	
Partition walls	≥ 100 mm		≥ 100 mm	
Cladded steel supports / girders	≥ F30 A		≥ F30 A	
Clear passage dimension				
Width	585 – 1300 mm		1335 – 2600 mm	
Height	1730 – 2800 mm		1730 – 2800 mm	
Traffic leaf width			591 – 1309 mm	
Overall frame dimension for block frame	695 – 1530 mm		1445 – 2830 mm	
Width	695 – 1530 mm		1445 – 2830 mm	
Height	1785 – 2915 mm		1785 – 2915 mm	
Nominal size for corner / profile frame	625 – 1530 mm		1375 – 2680 mm	
Width	625 – 1530 mm		1375 – 2680 mm	
Height	1710 – 2840 mm		1750 – 2840 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

STS-1	STU-1	STS-2	STU-2
Single-leaf	Single-leaf	Double-leaf	Double-leaf
			
			
			
Stainless steel	Stainless steel	Stainless steel	Stainless steel
Flush	Thick rebate	Flush	Thick rebate
+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm	Min. 0.8 mm
Up to 32 dB		Up to 32 dB	
Up to 42 dB		Up to 42 dB	
≥ 115 mm		≥ 115 mm	
≥ 100 mm		≥ 100 mm	
≥ 150 mm		≥ 150 mm	
≥ 100 mm		≥ 100 mm	
≥ F30 A		≥ F30 A	
585 – 1300 mm		1335 – 2600 mm	
1730 – 2800 mm		1730 – 2800 mm	
		591 – 1309 mm	
695 – 1530 mm		1445 – 2830 mm	
695 – 1530 mm		1445 – 2830 mm	
1785 – 2915 mm		1785 – 2915 mm	
625 – 1530 mm		1375 – 2680 mm	
625 – 1530 mm		1375 – 2680 mm	
1710 – 2840 mm		1750 – 2840 mm	

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC 2, RC 3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel internal doors, break-in-resistant

Functions, performance characteristics, size ranges

Door type	STU-1 RC2	STU-2 RC2	STU-1 RC3	STU-2 RC3
Version	Single-leaf	Double-leaf	Single-leaf	Double-leaf
 T30 Fire-retarding	●	●	●	●
 T90 Fire-proof	●	●	●	●
 RS Smoke-tight	●	●	●	●
 Acoustic-rated	●	●	●	●
 Break-in-resistant RC2	■	■		
 Break-in-resistant RC3			■	■
 Stainless steel				
Construction	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Rebate type	Thick rebate	Thick rebate	Thick rebate	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Additional performance characteristics				
Acoustic insulation				
With retractable bottom seal	Up to 37 dB	Up to 37 dB	Up to 37 dB	Up to 37 dB
With double rebate frame				
Anti-panic version	●	●	●	
Fitting in				
Brickwork	■	■	■	■
Concrete	■	■	■	■
Gas concrete	■	■	■	■
Partition walls				
Cladded steel supports / girders	■	■	■	■
Clear passage dimension				
Width	585 – 1300 mm	1020 – 2600 mm	585 – 1300 mm	1020 – 2600 mm
Height	1690 – 2600 mm	1690 – 2600 mm	1690 – 2400 mm	1690 – 2400 mm
Traffic leaf width		511 – 1286 mm		511 – 1286 mm
Overall frame dimension for block frame				
Width	695 – 1500 mm	1120 – 2800 mm	695 – 1500 mm	1130 – 2800 mm
Height	1745 – 2715 mm	1745 – 2715 mm	1745 – 2515 mm	1745 – 2500 mm
Nominal size for corner / profile frame				
Width	625 – 1380 mm	1060 – 2680 mm	625 – 1380 mm	1060 – 2680 mm
Height	1710 – 2640 mm	1710 – 2640 mm	1710 – 2440 mm	1710 – 2440 mm

■ = Main function – as standard ● = Additional function – with corresponding equipment

STU-1 RC2

STU-2 RC2

STU-1 RC3

STU-2 RC3

Single-leaf

Double-leaf

Single-leaf

Double-leaf



Stainless steel

Stainless steel

Stainless steel

Stainless steel

Thick rebate

Thick rebate

Thick rebate

Thick rebate

+ 62 mm

+ 62 mm

+ 62 mm

+ 62 mm

Min. 0.8 mm

Min. 0.8 mm

Min. 0.8 mm

Min. 0.8 mm

Up to 37 dB

Up to 37 dB

Up to 37 dB

Up to 37 dB



585 – 1300 mm

1020 – 2600 mm

585 – 1300 mm

1020 – 2600 mm

1690 – 2600 mm

1690 – 2600 mm

1730 – 2400 mm

1690 – 2600 mm

511 – 1286 mm

511 – 1286 mm

695 – 1500 mm

1120 – 2800 mm

695 – 1500 mm

1120 – 2800 mm

1745 – 2715 mm

1745 – 2715 mm

1745 – 2515 mm

1745 – 2715 mm

625 – 1380 mm

1060 – 2680 mm

625 – 1380 mm

1060 – 2680 mm

1710 – 2640 mm

1710 – 2640 mm

1710 – 2440 mm

1710 – 2440 mm

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC 2, RC 3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel internal doors, multi-purpose

Functions, performance characteristics, size ranges

Door type	STS-1	STU-1	STS-2	STU-2
Version	Single-leaf	Single-leaf	Double-leaf	Double-leaf
 RS Smoke-tight	●	●	●	●
 Acoustic-rated	●	●	●	●
 Break-in-resistant RC2		●		●
 Break-in-resistant RC3		●		●
 Stainless steel				
Construction	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Rebate type	Flush	Thick rebate	Flush	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	1.0 mm	1.0 mm	1.0 mm
Additional performance characteristics				
Acoustic insulation				
With retractable bottom seal	Up to 32 dB		Up to 32 dB	
With double rebate frame	Up to 42 dB		Up to 42 dB	
Fitting in				
Brickwork		■		■
Concrete		■		■
Gas concrete		■		■
Partition walls		■		■
Cladded steel supports / girders		■		■
Clear passage dimension				
Width	500 – 1465 mm		1000 – 2940 mm	
Height	640 – 3120 mm		640 – 3120 mm	
Traffic leaf width			500 – 1455 mm	
Overall frame dimension for block frame				
Width	610 – 1695 mm		1110 – 3170 mm	
Height	695 – 3235 mm		695 – 3235 mm	
Height with top part*	940 – 3500 mm		940 – 3500 mm	
Nominal size for corner / profile frame				
Width	540 – 1545 mm		1040 – 3020 mm	
Height	660 – 3160 mm		660 – 3160 mm	
Height with top part*	940 – 3500 mm		940 – 3500 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

* Top part height 300 – 1000 mm

Stainless steel internal doors, water-resistant

Functions, performance characteristics, size ranges

Door type		STS-1 Aqua	STU-1 Aqua
Version		Single-leaf	Single-leaf
 S200	RS Smoke-tight	●	●
 dB	Acoustic-rated		
 RC2	Break-in-resistant RC2		●
 RC3	Break-in-resistant RC3		
 Real steel	Stainless steel		
Construction		Stainless steel	Stainless steel
Rebate type		Flush	Thick rebate
Door leaf		+ 62 mm	+ 62 mm
Sheet thickness		Min. 0.8 mm	Min. 0.8 mm
Fitting in			
Brickwork		■	■
Concrete		■	■
Gas concrete		■	■
Partition walls		■	■
Cladded steel supports / girders		■	■
Clear passage dimension			
Width		500 – 1465 mm	
Height		640 – 3120 mm	
Traffic leaf width			
Overall frame dimension for block frame			
Width		610 – 1695 mm	
Height		695 – 3235 mm	
Height with top part		940 – 3500 mm	
Nominal size for corner / profile frame			
Width		540 – 1545 mm	
Height		660 – 3160 mm	
Height with top part*		940 – 3500 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

* Top part height 300 – 1000 mm

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC 2, RC 3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel external doors

Functions, performance characteristics, size ranges

Door type	STU-1	STU-2	STU 30-1	STU 30-2
Version	Single-leaf	Double-leaf	Single-leaf	Double-leaf
 El₂30 fire-retarding				
 Break-in-resistant RC2	●	●	●	●
 Break-in-resistant RC3	●	●	●	●
Construction	Galvanized / stainless steel	Galvanized / stainless steel	Galvanized / stainless steel	Galvanized / stainless steel
Rebate type	Thick rebate	Thick rebate	Thick rebate	Thick rebate
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm / min. 0.8 mm	1.0 mm / min. 0.8 mm	1.0 mm / min. 0.8 mm	1.0 mm / min. 0.8 mm
Additional performance characteristics				
Transmission of heat	Steel, galvanized 1.8 W/(m ² ·K), stainless steel 1.1 W/(m ² ·K)	Steel, galvanized 1.8 W/(m ² ·K), stainless steel 1.1 W/(m ² ·K)	Steel, galvanized 1.8 W/(m ² ·K), stainless steel 1.1 W/(m ² ·K)	Steel, galvanized 1.8 W/(m ² ·K), stainless steel 1.1 W/(m ² ·K)
Wind load	Class C2 – C3	Class B2 – C1	Class C2 – C3	Class B2 – C1
Water tightness under heavy rain	Class 3A – 6A*	Class 5A*	Class 3A – 6A*	Class 5A*
Air permeability	Class 2 – 3	Class 2	Class 2 – 3	Class 2
Operating forces	Class 5		Class 5	
Differential climate	1(e) – 2(d)		1(e) – 2(d)	
Fitting in				
Brickwork	■	■	■	■
Concrete	■	■	■	■
Gas concrete	■	■	■	■
Cladded steel supports / girders	■	■	■	■
Clear passage dimension				
Width	500 – 1300 mm	1250 – 2600 mm	500 – 1300 mm	1250 – 2600 mm
Height	1500 – 2800 mm	1500 – 2800 mm	1500 – 2800 mm	1500 – 2800 mm
Traffic leaf width		500 – 1300 mm		500 – 1300 mm

■ = Main function – as standard ● = Additional function – with corresponding equipment

* Water tightness under heavy rain only with threshold profile with seal

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm, size ranges for versions with RC 2, RC 3, dB or RS may vary.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Steel and stainless steel double-action doors

Functions, performance characteristics, size ranges

Door type	SPT MZ-1	SPT MZ-1	SPT MZ-2	SPT MZ-2
Version	Single-leaf	Single-leaf	Double-leaf	Double-leaf
 Stainless steel		●		●
Construction	Steel	Stainless steel	Steel	Stainless steel
Rebate type	Flush	Flush	Flush	Flush
Door leaf	+ 62 mm	+ 62 mm	+ 62 mm	+ 62 mm
Sheet thickness	1.0 mm	Min. 0.8 mm	1.0 mm	Min. 0.8 mm
Fitting in				
Brickwork	■	■	■	■
Concrete	■	■	■	■
Gas concrete	■	■	■	■
Partition walls	■	■	■	■
Cladded steel supports / girders	■	■	■	■
Overall frame dimension of corner frame or corner frame with counter frame				
Width	875 – 1250 mm		1700 – 2500 mm	
Height	1800 – 2500 mm		1800 – 2500 mm	

■ = Main function – as standard ● = Additional function – with corresponding equipment

Notes

Overall frame dimensions: Smallest dimension in conjunction with block frame depth 55 mm (e.g. 62 / 55, 95 / 55), corner frame depth 20 mm, largest dimension in conjunction with block frame depth 115 mm, corner frame depth 40 mm.

The information for the clear passage dimension refers to the frame opening. This dimension may be reduced if the leaf is opened 90° or with door fittings.

All information in accordance with approval and technical feasibility. Actual dimensions may differ depending on the frame type, frame depth, or width-height ratio of the door.

Equipment

Finger trap protection profile over entire leaf height (opposite hinge side)



Double-action door hinges in stainless steel V2A for opening the door to both sides



V2A stainless steel push bar (optional)



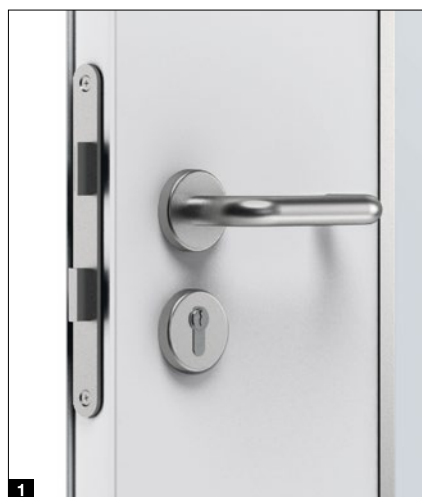


Standard equipment

Quality down to the last detail in all steel and stainless steel construction project doors STS / STU



The door shown contains special equipment.



Securely locked

As standard, Hörmann construction project doors come with a mortice lock with lever / knob prepared for profile cylinder in accordance with DIN 18250 and a stainless steel lock cover **1**. Break-in-resistant RC3 doors feature a multiple-point locking system. For double-leaf doors, the fixed leaf is secured with a latch in rebate or a rebate locking bolt at the top and bottom depending on the function.

High-quality lever handle set

As standard, steel and stainless steel construction project doors STS / STU come with a fire-rated round lever handle set in accordance with DIN 18273 in black (polypropylene) with round rose escutcheons and securely fitted lever handle **2**. Optionally, the lever handle set is also available in stainless steel or you may use object lever handle sets or short escutcheon lever sets with ball-bearings. Break-in-resistant doors are supplied with a stainless steel fire-rated security lever/knob handle set with ball bearing and pull-off protection according to DIN 18257, class ES 1 (with short escutcheon) or ES 2 (with long escutcheon) **3**.

3-way adjustable hinges

As standard, the STS / STU doors feature elegant, galvanized 3-way adjustable barrel hinges with ball bearings **4**. All hinge systems are 3-way adjustable and are particularly effective at fine door adjustments, even after the fact. They allow you to balance out minor fitting tolerances.

Sturdy security bolts

In fire-rated and smoke-tight doors and exterior multi-purpose doors, two steel security bolts **5** on the hinge side as standard provide additional stability. Break-in-resistant doors according to DIN EN 1627 are secured on the hinge side against forced opening with up to 7 solid steel security bolts per door leaf, depending on the resistance class. Stainless steel doors come with stainless steel security bolts as standard.

Closing devices

Fire-rated and smoke-tight doors close automatically as standard. Single-leaf doors come with the exclusive slide rail door closer HDC 35-1 **6** and double-leaf doors with the TS 4000 as standard. Depending on the size, equipment, use or fitting style, you can also order doors with spring hinge, linkage door closer, slide rail door closer with door leaf selector or concealed, integrated door closers for a high-quality look. Alternatively, we supply the closing element and slide rail in a stainless steel look and the slider in stainless steel V2A.

→ For further information, see from page 50.



Optional equipment

Quality down to the last detail in all steel construction project doors

3-way adjustable hinges

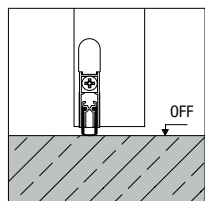
Stainless steel barrel hinges **1** or concealed hinges **2** may also be used in flush-fitting STS doors for a sophisticated look. Coloured doors in RAL to choose or in a preferred colour come with stainless steel barrel hinges as standard.



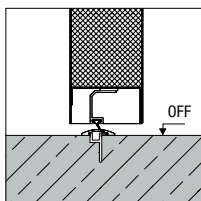
3-way spring hinge

Single-leaf STS / STU doors can be equipped with sturdy, hard-wearing 3-way adjustable spring hinges up to fire protection class EI₂30. They use a pre-loaded spring to ensure that the door closes automatically.

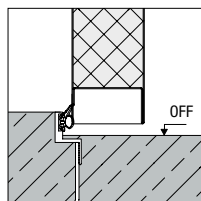
Door bottom edges



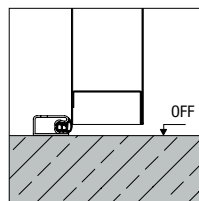
Hydraulic retractable bottom seal



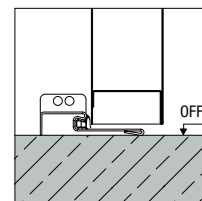
Aluminium bottom profile with seal



Threshold rail with seal



Surface-mounted threshold rail with seal

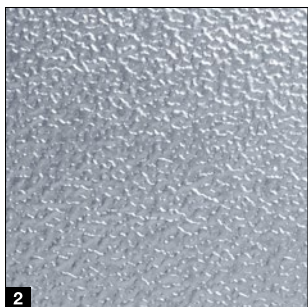
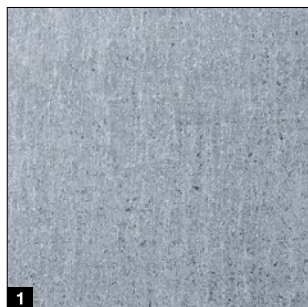


Stainless steel threshold rail, plug-in type

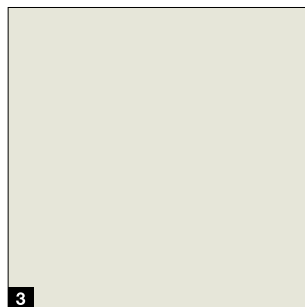
Surface finishes and colours

Galvanized, with high-quality powder coating in colour or stainless steel

Steel surface finishes



Primer coating



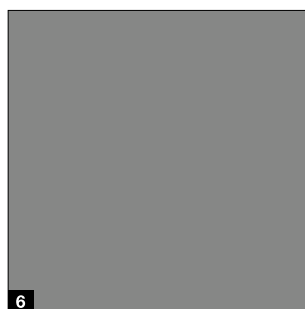
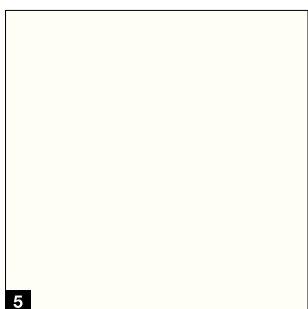
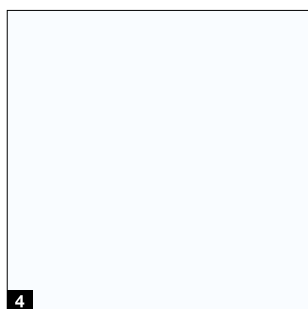
Steel surface finishes

- 1** Galvanized surface
- 2** Galvanized Pearlgrain surface

Primer coating

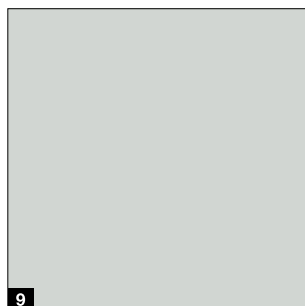
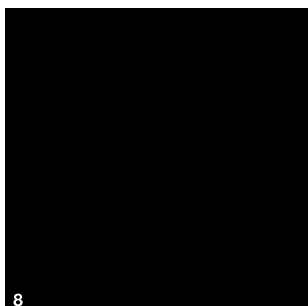
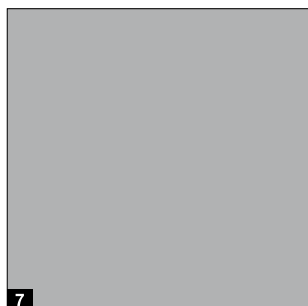
- 3** RAL 9002 Grey white

High-quality powder coating in 8 preferred colours



High-quality powder coating in 8 preferred colours

- 4** RAL 9016 Traffic white
- 5** RAL 9010 Pure white
- 6** RAL 9007 Grey aluminium
- 7** RAL 9006 White aluminium
- 8** RAL 9005 Jet black
- 9** RAL 7035 Light grey
- 10** RAL 7016 Anthracite grey
- 11** RAL 3000 Flame red



Stainless steel surfaces

- 12** Polished finish
- 13** Circular finish
- 14** Striped finish

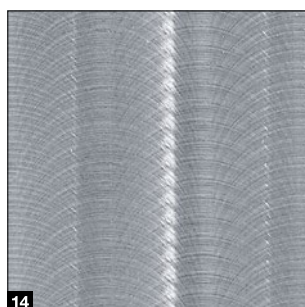
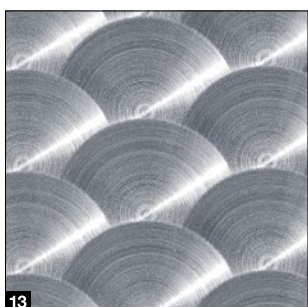
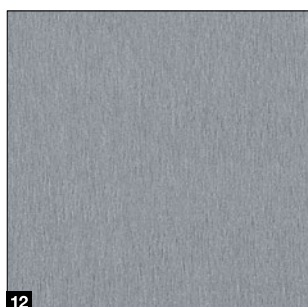
Special colours

All doors are optionally available in RAL to choose, metallic colours, or NCS colours.

Please note:

Dark colours should not be used for doors that are exposed to the sun. All colours based on RAL. The colours and surface finishes shown are subject to the limitations of the printing process and cannot be regarded as binding. Please consult with your local Hörmann sales partner.

Stainless steel surfaces



Steel and stainless steel frame types

The large range for custom fitting situations

The Hörmann frame system guarantees a stable wall connection for optimal and long-lasting door functionality.

Advantages at a glance

- Sheet thickness 1.5 mm or 2.0 mm for block frames (62 / 55 mm and 62 / 75 mm)
- Optionally with floor recess of 30 mm
- Hörmann lining groove (except for block frames 62 / 55 mm and 62 / 75 mm)
- Galvanized as standard and primed in RAL 9002 Grey white
- Optionally in 8 preferred colours, in RAL to choose, in special NCS colours or in stainless steel
- Fast and simple plug-and-screw fitting with fixing brackets including steel spacers

Flush-fitting stainless steel lock plate with catch alignment and edge guard ¹

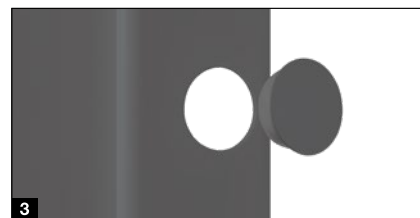
Steel and stainless steel doors are optionally equipped with a flush-fitting stainless steel lock plate incl. catch alignment and edge guard. The lock latch can be optimally adjusted with the catch alignment. The edge guard also effectively protects the high-quality powder coating. Doors prepared for an electric strike feature a tube in the frame that can be used to connect the electric strike.

Lining groove ²

The steel and stainless steel frames are equipped with self-locking seals in the frame as standard. The special lining groove means that bonding the seals is not necessary. This makes on-site painting or maintenance at a later point easier (except for block frames 62 / 55 mm and 62 / 75 mm).

Flush cover caps ³

For all frames, flush cover caps provide an attractive appearance. Primed frames and frames with high-quality powder coating in preferred colours come with cover caps that match the frame colour. Frames in RAL to choose come with black caps and stainless steel frames come with caps in a stainless steel colour.



3-part frames ⁴

Separated in the mitred area and with installation-friendly packaging, for simple clamp / screw fitting to solid walls and dry construction walls

- Standard with single-leaf and double-leaf steel doors
- Not available for fire-rated stainless steel doors and security doors
- Screw fitting of the 3-part frame optionally possible at the factory

Double-shell frames ⁵

Invisibly separated in the lining groove for renovations and retrofitting

- Optionally for single-leaf and double-leaf steel doors (3-part)
- Optionally for single-leaf and double-leaf stainless steel doors (welded in the mitred area)

1-part frames ⁶

Welded in the mitred area and polished for solid walls, dry construction walls and fitting at the time of wall construction

- Standard with single-leaf and double-leaf fire-rated stainless steel doors
- Optionally for single-leaf and double-leaf steel doors
- Available up to 2400 mm door width

Our frame variants

- Standard corner frame 40
- Custom corner frame 20
- Block frame 62 / 55 or 62 / 75
- Block frame 85 / 55 or 85 / 75
- Block frame 95 / 55 or 95 / 75
- Block frame 105 / 100
- Profile frame
- Profile frame, double-shell
- Double-rebate frame for a flush-fitting door appearance in RC2, RC3 security doors
- Panel wall frame for hall construction
- Special frames with chamfered edge recess for an individual look
- Add-on frame up to El₂30



Steel and stainless steel frame types

The large range for custom fitting situations



T30 Fire-retarding



EI₂30 Fire-retarding



T90 Fire-proof



EI₂90 Fire-proof



Multi-purpose

Fitting made easy with DryTec frames

Our high-quality DryTec frames are especially suited for fire-rated doors with high-quality powder coating or stainless steel surface, as well as for fitting in unplastered brickwork. DryTec frames are backfilled with mineral wool at the factory and can therefore be fitted quickly and neatly without mortar. This guarantees clean surfaces without any contamination or damage and subsequent painting is not required. The gap between the brickwork and frame is sealed with acrylic. Larger gaps (5 – 20 mm) only need to be filled with commercially available, fire-proof mineral wool.

Block frame 62 / 55 ¹

- Flush-fitting on both sides for flush closing doors (STS)
- Flush wall fitting with optional patented fixing material

Block frame 62 / 75

- 60 mm wide frame face (for 90° openings in hallways)
- Flush-fitting on both sides for flush closing doors (STS)
- Flush wall fitting with optional patented fixing material

Block frame 85, Block frame 95

- Version with 55 mm or 75 mm depth
- Flush-fitting on one side for flush closing doors (STS)
- Flush wall fitting with optional patented fixing material

Block frame 105 / 100 ²

- 85 mm wide frame face (for 90° openings in hallways)
- For doors with operator equipment
- Flush-fitting on one side for flush closing doors (STS)
- Flush wall fitting with optional patented fixing material



1



2

Standard corner frame 40 3

- No mortice work required for fitting elements of the frame
- Fast and clean fitting
- Depth 60 mm on hinge side or 40 mm on opposite hinge side

Custom corner frame 20

- Increased clear passage width
- Minimal depth 40 mm on hinge side or 20 mm on opposite hinge side
- Further flexible depths are possible

Profile frame 40 4

- Profile widths up to 400 mm
- Special frames with edge recess for an individual look

Double-shell profile frame 60

- Profile widths up to 400 mm
- Welded in the mitred area
- Separated invisibly in the lining groove
- For renovations and retrofitting

Add-on frame 5

- Maximal clear passage width
- Depth 80 mm
- For MZ and El₂30 doors

Renovation frame STU 30-1 6

- Designed for fitting over the existing frame (red) of fire-rated doors H8-5 and H8-1
- High-quality powder coating in Traffic white RAL 9016 or optionally in RAL to choose
- Optional door equipment with RC2 security package and a retractable bottom seal



More transparency with glazing

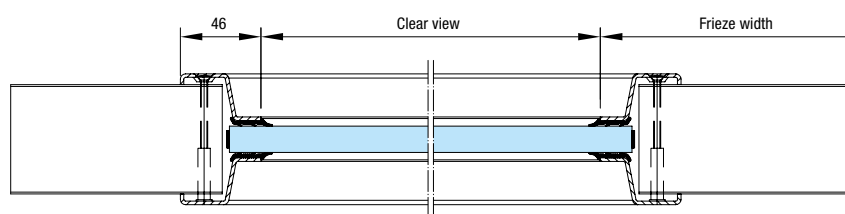
Glazing variants in steel and stainless steel

Steel and stainless steel glazing frames

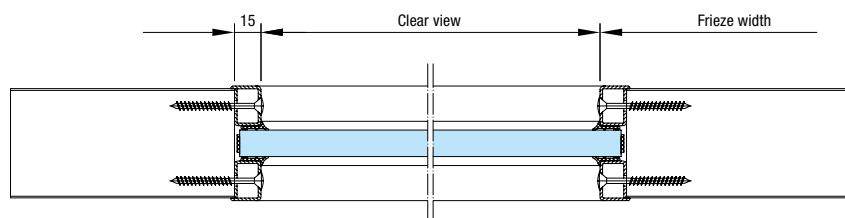
As standard, glazing beads are made of galvanized steel and come with high-quality powder-coating in one of 8 preferred colours or RAL to choose to match the door surface finish.

On request, profiles are also available in brushed stainless steel V2A, 1.4301 or in a colour different than that of the door.

The flush glazing beads are particularly suited for sophisticated architectural solutions.



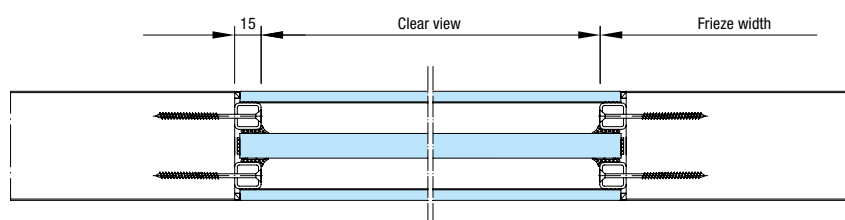
Glazing with surface-mounted steel profile without visible screws on the hinge side for rectangular and round glazing (standard)



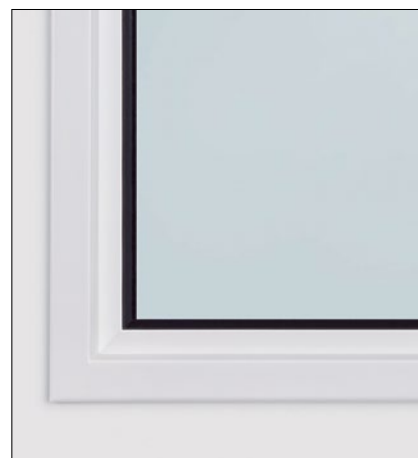
Glazing with flush steel profile for rectangular glazing (only possible for MZ and El₂30 doors)

Flush-fitting glazing

The flush-fitting glazing for steel and stainless steel doors STS / STU is especially suitable for use in clean rooms. The centrally fitted fire-proof glass is flush-fitting and wet-glazed with two additional safety glasses.



Flush-fitting rectangular glazing for clean rooms (only possible for MZ and El₂30 doors)



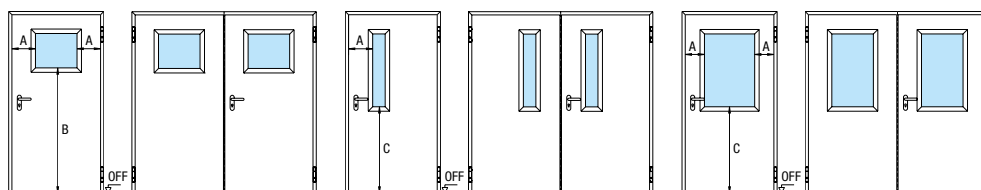
Surface-mounted steel profile in Grey white, RAL 9002 (standard)



Flush-fitting steel / stainless steel profile V2A, 1.4301



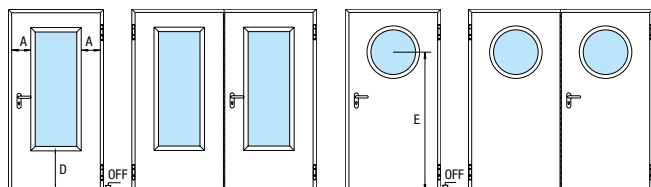
Flush-fitting rectangular glazing



Glazing view 0

Glazing view 1

Glazing view 2



Glazing view 3

Round glazing

A = Distance to side 270 mm

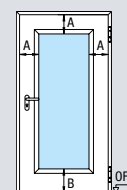
B = Bottom section height from FFL: 1400 mm

C = Bottom section height from FFL: 965 mm

D = Bottom section height from FFL: 500 mm

F = Axis dimension from FFL: 1550 mm

Depending on glazing size and door variant, state axis dimension from FFL in case of deviations from the standard!



Glazing to choose
Distance to side A = 215 mm

STS / STU

Bottom section height

B = min. 215

Clear view = 1052 x 2691

STS 30 / STU 30

Bottom section height

B = min. 300

Clear view = 879 x 2371

STS 90 / STU 90

Bottom section height

B = min. 715

Clear view = 476 x 976

Special glazing available on request

In addition to the glazing options shown we also supply special single or multi-pane glazing in various shapes and arrangements within the permitted distance to side, bottom section height and glazing size.

Clear view

Door leaf width

View 0	View 1	View 2	View 3	Round glazing	Min.	Standard
	140 x 815		140 x 1280		570	675
		215 x 815	215 x 1280		645	750
				Ø 300	730	
		340 x 815	340 x 1280		770	875
				Ø 400	830	
465 x 385 / 635 ⁽¹⁾		465 x 815	465 x 1280		895	1000
				Ø 500	930	
528 x 385 / 635 ⁽¹⁾		528 x 815	528 x 1280		958	1062
		590 x 815	590 x 1280		1020	1125
			715 x 1280		1145	1250

¹⁾ Glazing is supplied in a standard size that matches the door size and provides for an attractive and uniform appearance with its narrow profiles. Lever handles do not disturb the line of sight through the glass.

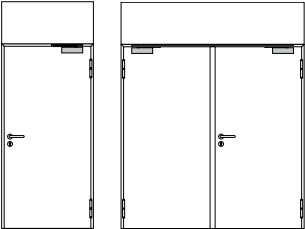
All dimensions in mm

Room-high door view

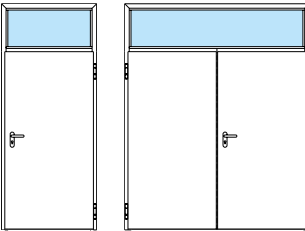
Through fixed, flush-fitting top parts

Fixed top parts in steel and stainless steel

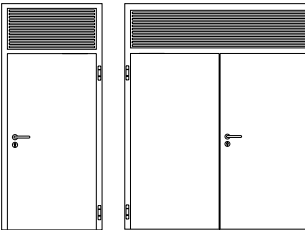
The fixed top parts allow you to individually design room-high doors for your facility. They offer a harmonious look thanks to the surrounding vertical frame profiles.



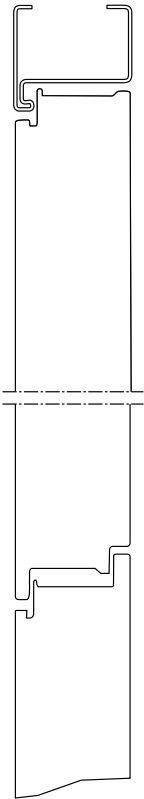
Steel panel		
STS / STU		
STS 30 / STU 30		
Height of top part	Min.	+ 300 mm
	Max.	+ 1000 mm
Door set height	Max.	+ 3300 mm
Door height	Max.	+ 2800 mm



Transom light		
STS / STU		
Height of top part	Min.	+ 300 mm
	Max.	+ 1000 mm
Door set height	Max.	+ 3300 mm
Door height	Max.	+ 2800 mm



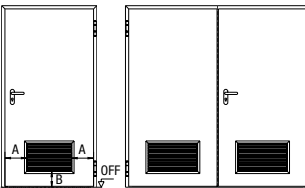
Ventilation grille		
STS / STU		
Height of top part	Min.	+ 300 mm
	Max.	+ 1000 mm
Door set height	Max.	+ 3300 mm
Door height	Max.	+ 2800 mm



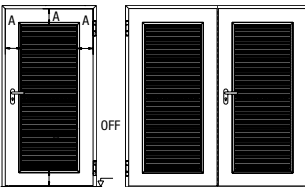
Top part

Ventilation grilles in steel and stainless steel

All ventilation grilles consist of safety sheet metal with an internal perforated steel sheet. They are supplied with a primer coating in Grey white RAL 9002 and, on request, with a high-quality powder coating in RAL to choose or stainless steel (V2A). Also optionally available are versions with insect protection fabric, galvanized steel with a mesh size of 1.4 mm.

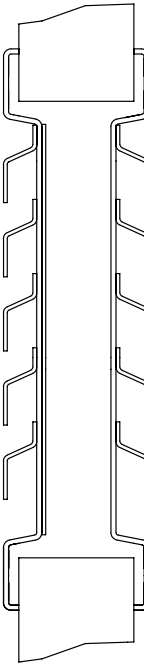


Ventilation grille		
Standard		
STS / STU		
Distance to side A	Min.	+ 215 mm
Bottom section height B		+ 215 mm
Grille height		+ 365 mm



Size to choose		
STS / STU		
Distance to side A	Min.	+ 215 mm
Grille width	Min.	+ 250 mm
	Max.	1140 mm
Grille height	Min.	+ 250 mm
	Max.	+ 2395 mm
Free cross-section		Approx. 35%

Grille widths	Door leaf width	
	Standard	Min.
314	750	655
439	875	780
564	1000	905
627	1062,5	967,5
689	1125	1030
814	1250	1155



Ventilation grille

Inspection hatches

In flush or thick rebate version



Inspection hatch in thick rebate version with lever handle set and flush wall fitting



Inspection hatch in flush-fitting version without lever handle set and flush wall fitting

Inspection hatches

- For electric distributors
- For conduits
- For air conditioning

Versions

- T90 fire hatch
- T30 fire hatch
- Multi-purpose hatch
- Flush or thick rebate version
- Made to measure

Fitting

- For all wall types
- Flush wall fitting (optional)

Equipment

- Fire-rated round lever handle set and round rose escutcheon
- Without lever handle set, only cylinder rose escutcheon visible (optional)
- 3-way adjustable barrel hinges
- Overhead door closer on opposite hinge side for concealed fitting (optional)

Colours / surface finishes

- Galvanized
- Galvanized and primed in RAL 9002 Grey white
- Galvanized with high-quality powder coating in RAL to choose and in special NCS colours
- Stainless steel

Door operator HDO 200 / 300

Complete, value-for-money solutions for every scope of application



T30 Fire-retarding



T90 Fire-proof



Escape door



Barrier-free



Personal safety
acc. to EN 16005

Advantages and functions:

- **25% less expensive than similar operators**
- With integrated smoke sensor control and safety sensor
- Quiet operation, therefore suitable for various applications, e.g. in offices or hospitals
- All door parameters, such as opening and closing speed, end stop and hold-open phase optimally adjustable
- Speed control ensures uniform opening and closing speeds
- Operating modes: "automatic", "permanently open", "night", "closing time"
- Standard push-and-go function, can be turned on and off on request
- Integrated program switch for "off", "automatic" and "permanently open"
- Operation via buttons, radar movement detectors, etc., optionally with BiSecur radio technology for operation with all Hörmann hand transmitters, radio control elements, radio internal push buttons or the BiSecur app
- Optional CAN interface for implementing demanding requirements, e. g. the air lock function
- Can be combined with rescue route systems, access control systems, building services management systems, and RWA air intake solutions



Door and operator from a single source

The door and operator are supplied as a perfectly matching complete system, including the necessary fixing material, from a single source. This simplifies and accelerates door fitting and initial start-up.

	HDO 200	HDO 300
Width	+ 650 mm	720 mm
Height	+ 70 mm	+ 70 mm
Depth	+ 121 mm	+ 130 mm
Weight	9 kg	11 kg
Door width	Up to 1400 mm	Up to 1600 mm
Door weight	Up to 200 kg	300 kg*
Surface finish	Silver (EV1)	Silver (EV1)
RAL to choose	Optional	Optional

* Up to 1400 mm leaf width

The simple solution for barrier-free passages

Operator package Economy

- 1** Operator HDO 200 / 300 in silver (EV1)
- 2** Slide rail pulling on opening side or linkage pushing on closing side
- 3** Flatscan in silver for safe-guarding the door and the side edge (2 × for single-leaf doors, 4 × for double-leaf doors)
- 4** Release button HAT 02 (1 unit)
- 5** Buttons for opening the door, white (2 units)

The convenient solution for hygiene areas

Operator package Protect

- 1** Operator HDO 200 / 300 in silver (EV1)
- 2** Slide rail pulling on opening side or linkage pushing on closing side
- 3** Flatscan in silver for safe-guarding the door and the side edge (2 × for single-leaf doors, 4 × for double-leaf doors)
- 4** Release button HAT 02 (1 unit)
- 6** Radio radar buttons FSR 1 BiSecur (2 units) and receiver HET / S24 BiSecur (1 unit)

The individual solution for particularly high demands in construction projects

Operator HDO individual

- Operator HDO 200 / 300 in RAL to choose
- Wide range of operating accessories in many designs

Control elements



4

Release button HAT 2
For closing the door in the event of fire, flush-mounted version and surface-mounted version (image)



5

Button
For opening the door in the event of fire, flush-mounted version (image) and surface-mounted version



6

Radio radar button FSR 1 BiSecur
For non-contact door opening incl. radio receiver HET / S24 BiSecur



Multifunctional release button H-BS BASIS
Extension option for doors with HDO operator for opening and closing the door, incl. visual / acoustic signal, surface-mounted version

Overhead door closer

The right solution for any requirement

With compensator function, smoke sensor control or electromechanical hold-open device – Hörmann offers the right overhead door closer with the corresponding equipment for any door situation. The products impress not only in terms of quality and comfort, but also design, e.g. with the flush look of the slide rail and closing mechanism in many versions.



Overhead door closer HDC 35-1, optional version for direct fitting

Overhead door closer	HDC 35-1	TS 4000	TS 5000	EC-Line	ISM	EC-Line ISM	TS 83	TS 73 EMF
Linkage door closer		●					●	●
Slide rail door closer	●		●	●	●	●		
Integrated door closer								
Direct fitting without lintel spacer	●		●					
Flush-closing slide rail with closer body	●		●					
Integrated restrained opening	●	●	●	●	●	●	●	●
Compensator function		○	○					
Shock absorption / opening limiter	○		○	○	○	○		
Mechanical hold-open device (not permitted for fire protection)	○	○	○	○	○	○	○	
High passage convenience (Barrier-free acc. to DIN 18040 / DIN SPEC 1104)	EN4 Up to 1100		EN4 Up to 1100	EN5 Up to 1250	EN4 Up to 1100	EN5 Up to 1250		
Integrated door leaf selector for double-leaf doors					●	●		
Electrical hold-open device		○	○	○	○	○		●
Integrated smoke sensor control			○	○	○	○		

● = Standard ○ = Optional ● / ○ = Opening side yes



Overhead door closer TS 4000



Overhead door closer TS 5000



Overhead door closer TS 83 with hold-open device



Overhead door closer TS 98 XEA allows closing even in tricky environments, for example in air lock situations



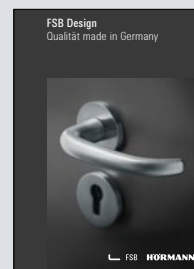
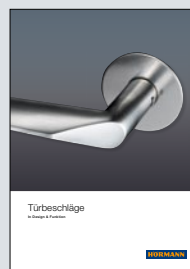
Integrated overhead door closer ITS 96

TS 93	GSR	TS 98 XEA	GSR	TS 99 FL	ITS 96	GSR	TS 61	SR	TS 62	SR
●	●	●	●	●			●	●	●	●
					●	●				
	●	● / ○	●				● / ○		● / ○	
●	●	●	●				●	●	●	●
				●	○					
○	○	○	○	○	●	●	○	○	○	○
○	○	○	○		○	○	○	○	○	○
EN5 Up to 1250	EN5 Up to 1250	EN5 Up to 1250	EN5 Up to 1250	EN5 Up to 1250	EN5 Up to 1250	EN5 Up to 1250	EN4 Up to 1100	EN4 Up to 1100	EN5 Up to 1250	EN5 Up to 1250
	●		●			●		●		●
○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○			○	○	○	○

Lever handle sets

Tailored to your individual requirements

As standard, Hörmann steel and stainless steel doors come with a black plastic handle with round rose escutcheon and are prepared for a profile cylinder. Construction project lever handle sets made of aluminium or stainless steel are also optionally available.



For further information and versions, see the brochures "Door fittings" and "FSB Design".



Fire-rated lever handle set D-110
suitable acc. to EN 179
With sliding bearing or ball bearing



Fire-rated lever handle set D-190 / FSB 1070
(XXL lever handle)
suitable acc. to DIN 18040
With sliding bearing



Fire-rated lever handle set D-210
With sliding bearing



Fire-rated lever handle set D-310 / FSB 1076
With sliding bearing or ball bearing



Fire-rated lever handle set D-330 / FSB 1016
suitable acc. to EN 179
With sliding bearing or ball bearing



Fire-rated lever handle set D-410 / FSB 1023
suitable acc. to EN 179
With sliding bearing or ball bearing



Fire-rated lever handle set D-490 / FSB 1053
(XXL lever handle)
suitable acc. to DIN 18040
With ball bearing



Fire-rated lever handle set D-510
suitable acc. to EN 179
With sliding bearing or ball bearing

Security fittings / anti-panic devices

For more security



Lever handle set ES1
Aluminium F1



Lever / knob handle set ES1
Aluminium F1 with knob K-130



Lever / knob handle set ES2
Aluminium F1 with knob K-130



Sports hall recessed handle according to EN 179

- Stainless steel
- Only minimally protruding fittings
- Emergency exit lock acc. to DIN EN 179
- Approved for escape routes
- Optionally available as a flush-fitting version (not approved for escape routes)

Anti-panic devices



Hörmann push bar

- Largely offset lever arms for use with electronic locking cylinders and for short distances to the PC
- Very stable bar handle
- Surface finishes: stainless steel, coated in silver aluminium F1, coated black / red (based on EPN 900 IV Alu), coated black / silver aluminium, black / green (Economic)
- Tested in accordance with DIN EN 1125, EN 1634, EN 1191



Hörmann touch bar

- Can be used as a locking system in accordance with DIN EN 1125
- Surface finishes: stainless steel, aluminium F1 coated
- Tested in accordance with EN 1125, EN 1634
- **Standard lengths: 670, 870, 1120 mm**

Door stops

For complete door equipment

Floor door stops BS

Stainless steel



Door stop BS 55



Door stop BS 45



Door stop BS 44



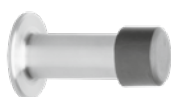
Door stop BS 65

Wall door stops WS

Stainless steel



Door stop WS 46



Door stop WS 76



Door stop WS 96



Door stop WS 82

Hold-open device control

In combination with external magnet



1

Hold-open device control FSA-Basis 1

The control combines power supply, warning signals, fire detector evaluation, a manual release button and a reset device in one compact housing. In addition, the status and alarm states are indicated via LED lights. Furthermore, fire detectors, magnets and fire alarm systems can be easily connected.



2

Optical smoke detector H-RM-4070 2

The visual smoke detector works according to the familiar scattered light principle and thus detects the smoke emissions of many different fires. The sensor compartment contains an optical sensor capable of measuring both reflected and normal scattered light. Algorithms make alarm activation of the detector very reliable.



3

Heat detector H-TM-4070 3

The heat detector has an open housing that allows the ambient air to circulate freely around the temperature sensor. The air temperature is measured every 2 seconds. A microprocessor stores the temperature measurement data and compares it to the preset limits to determine if a preset maximum value – the alarm threshold – has been reached.



4

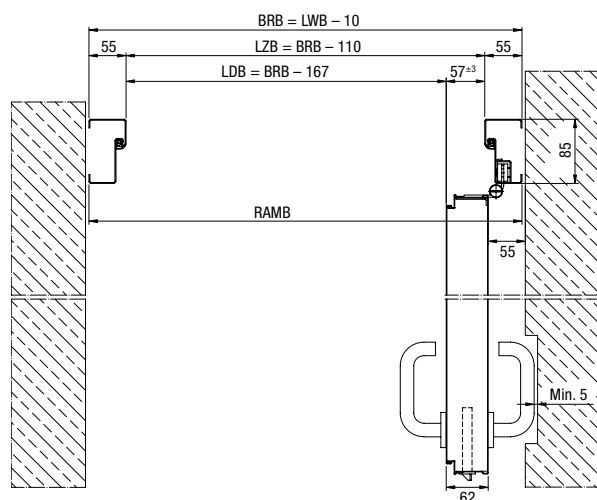
Multi-function release button H-BS BASIS 4

The multi-function release button provides an extension option for the hold-open device controls on doors with external magnets. The multi-function release button combines the Open / Close button with the manual release button for fire alarm closing and the reset button. Door movement is also signalled by the integrated visual / acoustic signal transmitter. A cover is available as an optional extra for the multi-function release button.

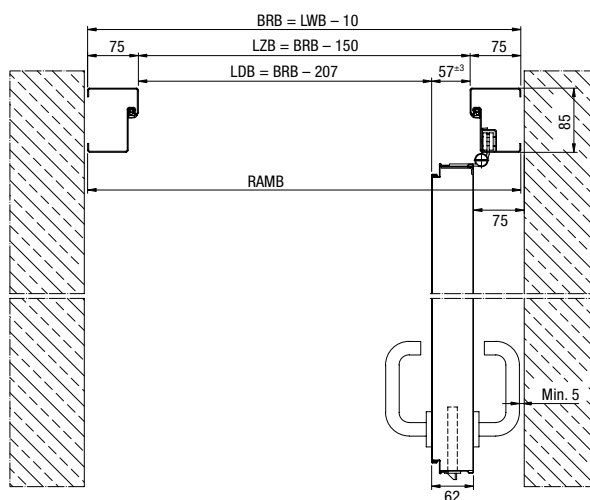
Clear passage widths STS

At an opening angle of 90°, without fittings

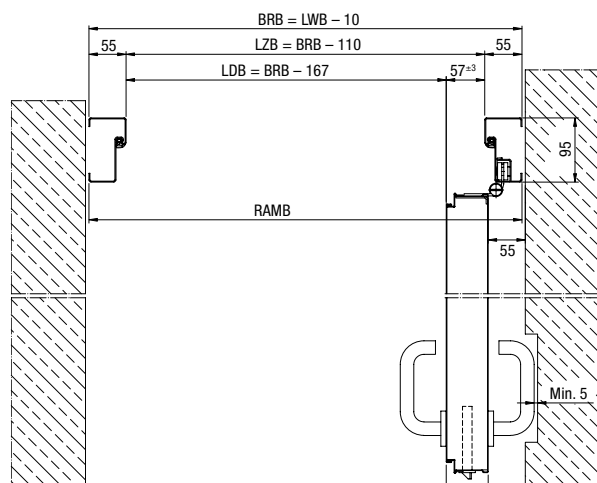
Block frame 85 / 55 (STS)



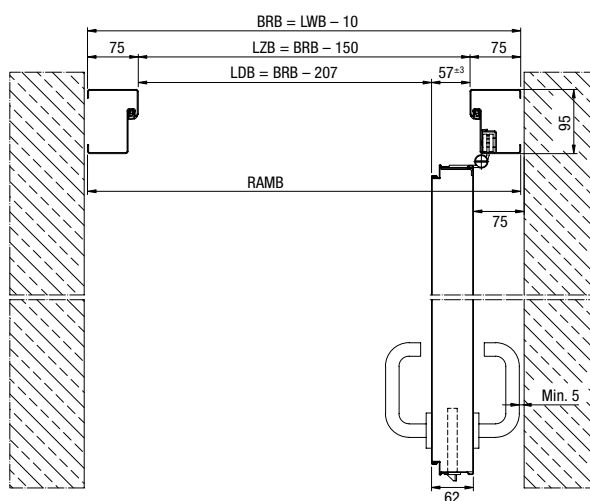
Block frame 85 / 75 (STS)



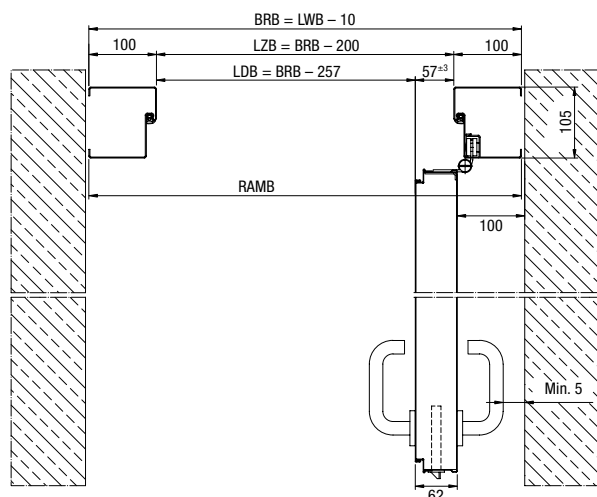
Block frame 95 / 55 (STS)



Block frame 95 / 75 (STS)



Block frame 105 / 100 (STS)

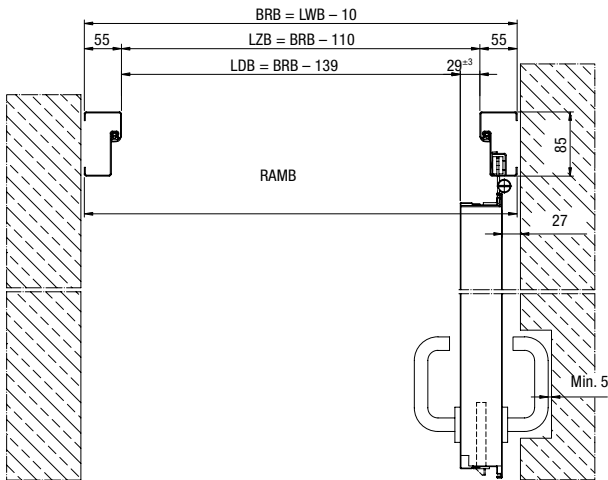


Dimensions in mm

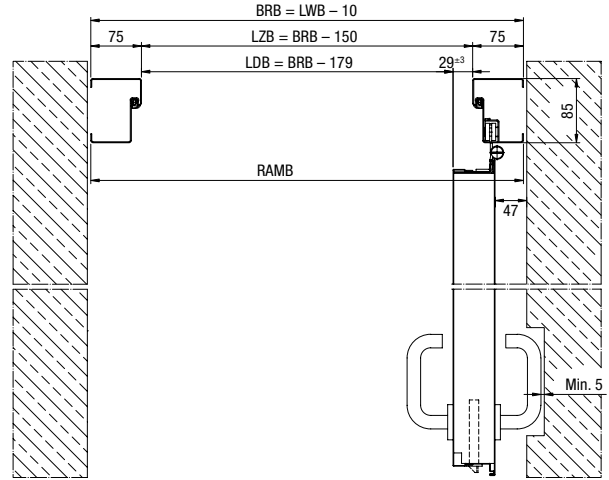
Clear passage widths STU

At an opening angle of 90°, without fittings

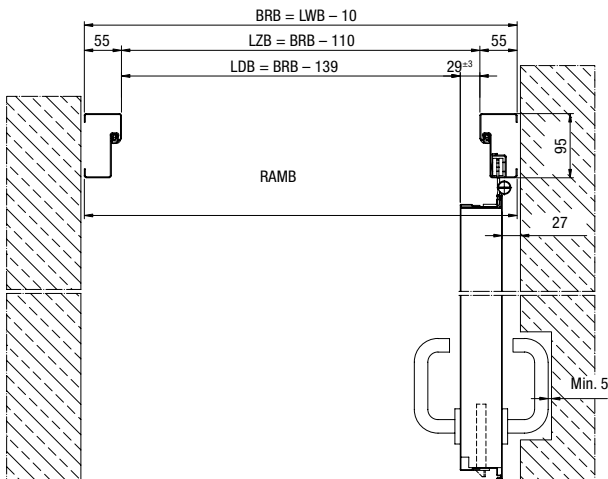
Block frame 85 / 55 (STU)



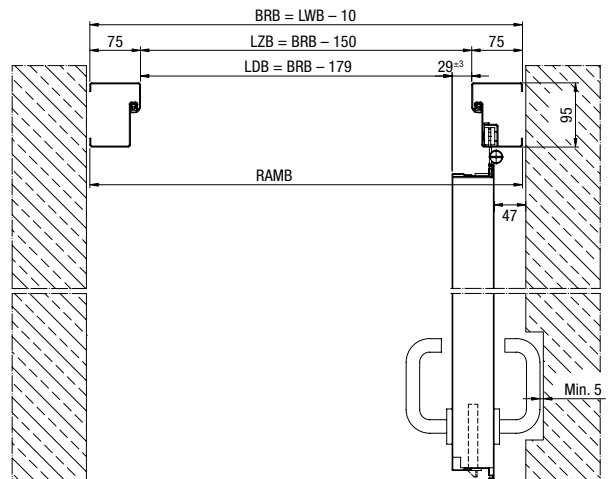
Block frame 85 / 75 (STU)



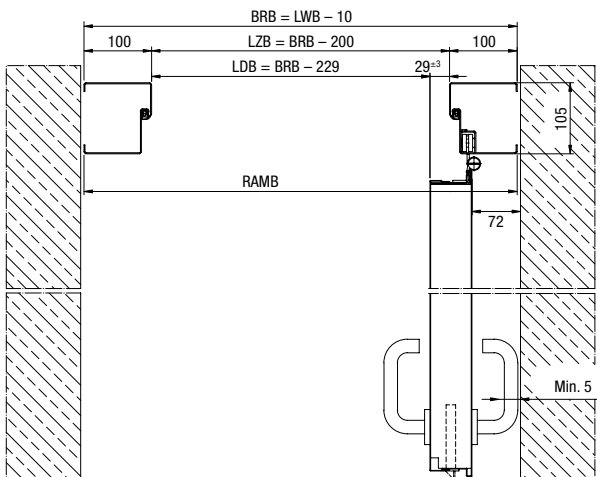
Block frame 95 / 55 (STU)



Block frame 95 / 75 (STU)

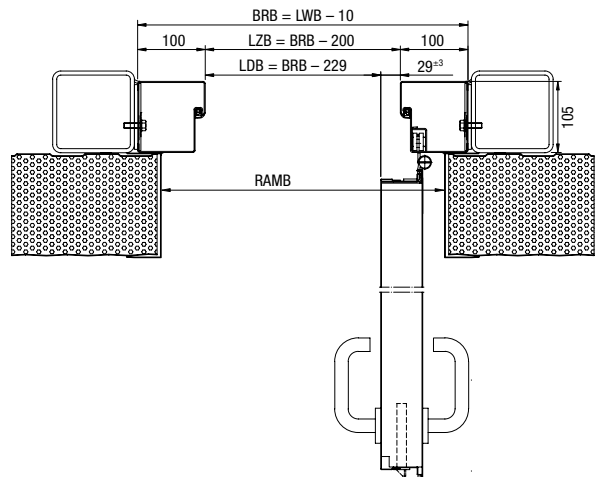


Block frame 105 / 100 (STU)



Block frame 105 / 100 (STU)

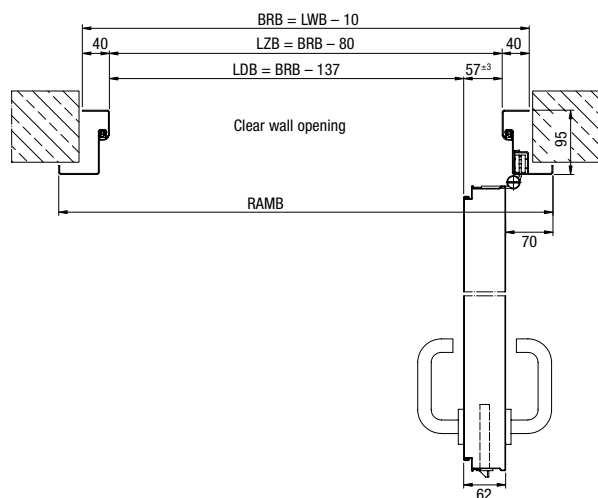
Hall construction panel wall



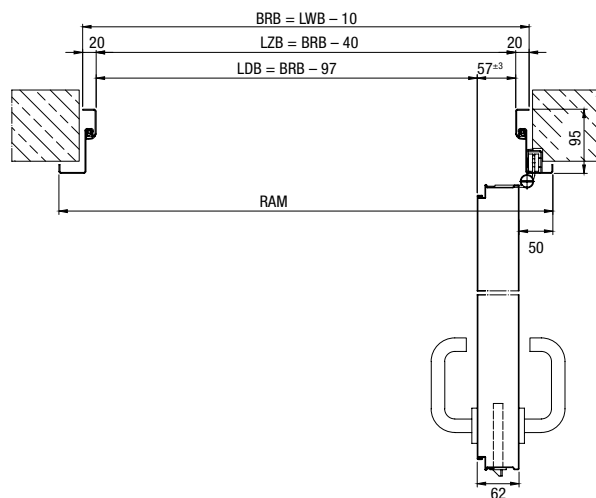
Clear passage widths STS

At an opening angle of 90°, without fittings

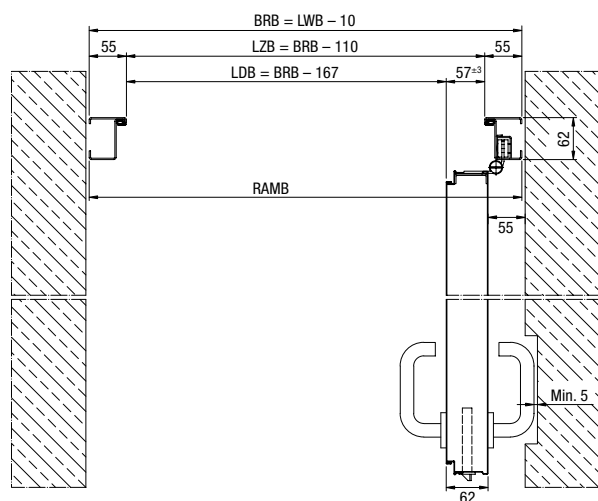
Standard corner frame 40 (STS)



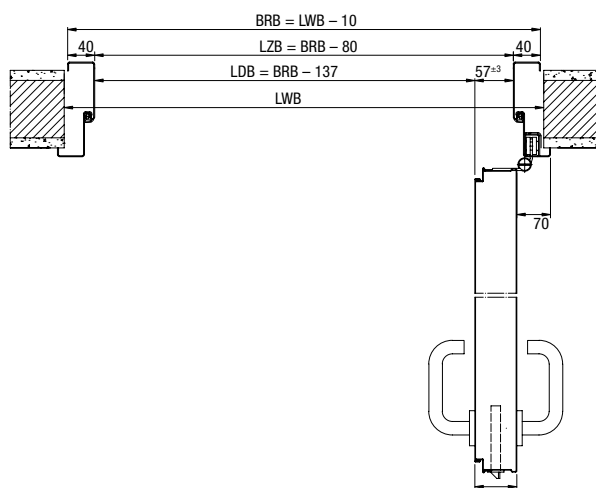
Custom corner frame 20 (STS)



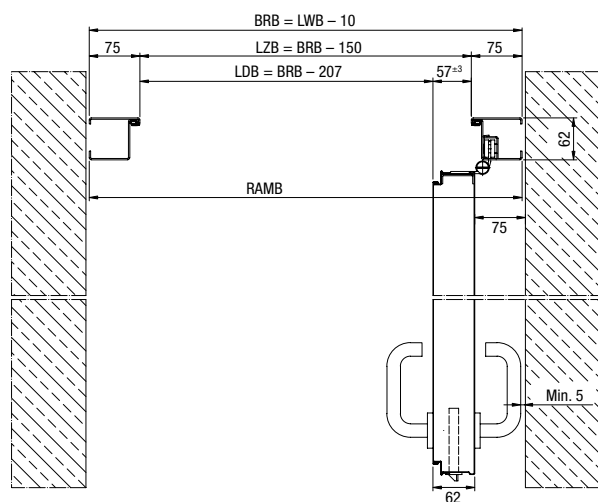
Block frame 62 / 55 (STS)



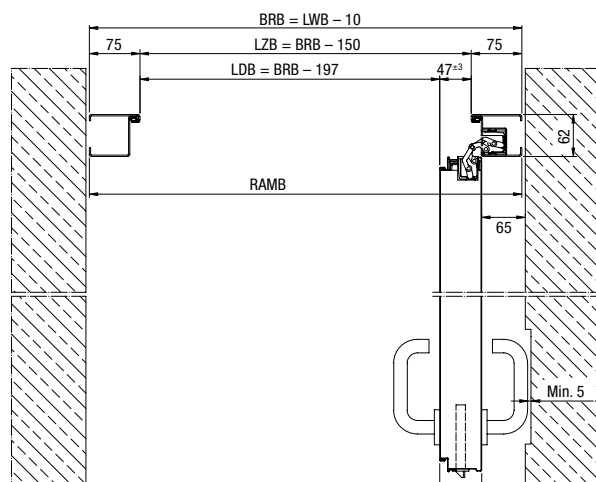
Profile frame (STS)



Block frame 62 / 75 (STS)



**Block frame 62 / 75 (STS)
with concealed hinge**

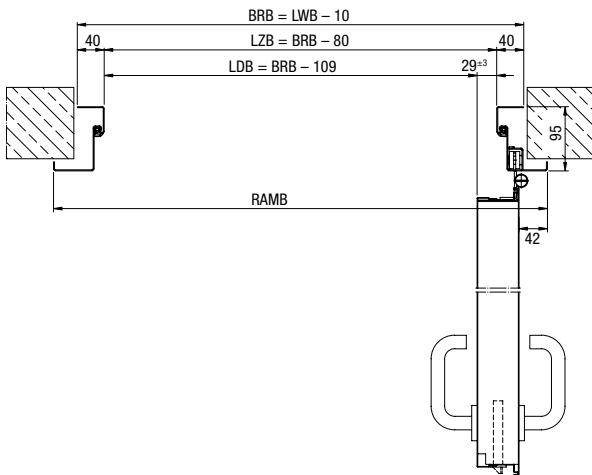


Dimensions in mm

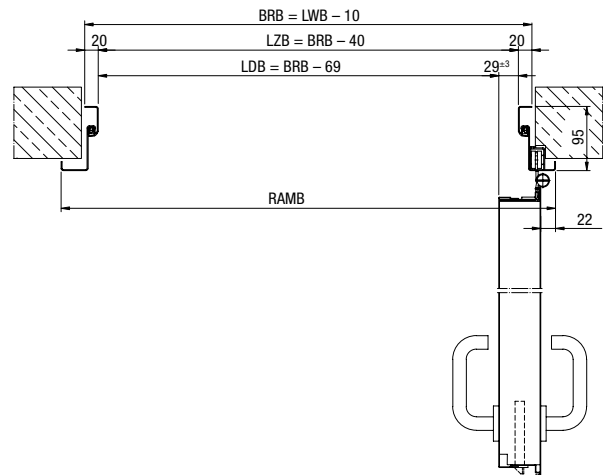
Clear passage widths STU

At an opening angle of 90°, without fittings

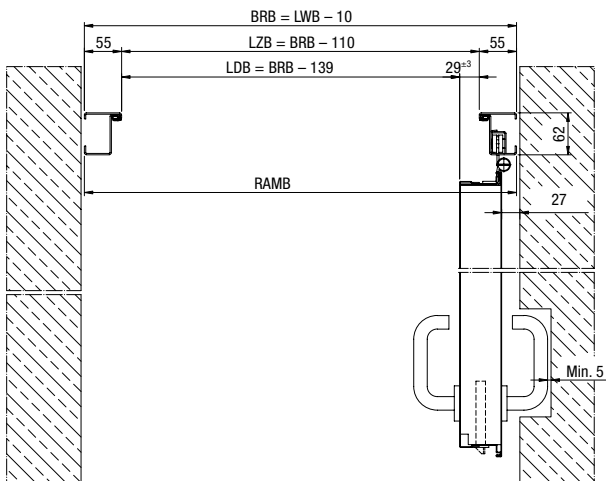
Standard corner frame 40 (STU)



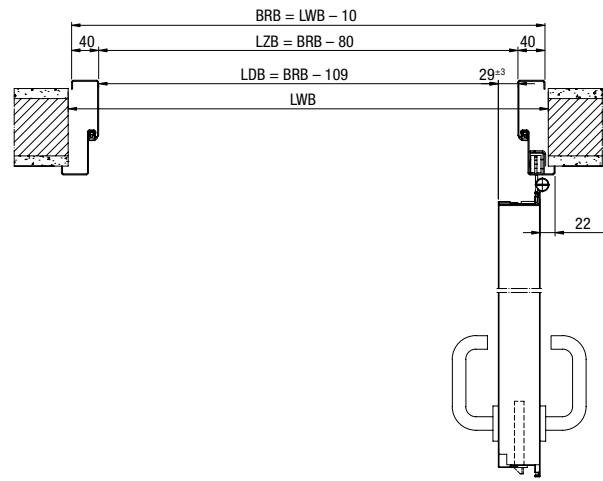
Custom corner frame 20 (STU)



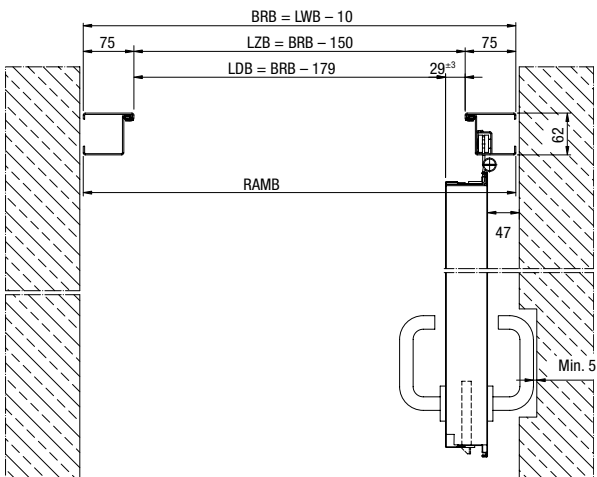
Block frame 62 / 55 (STU)



Profile frame (STU)



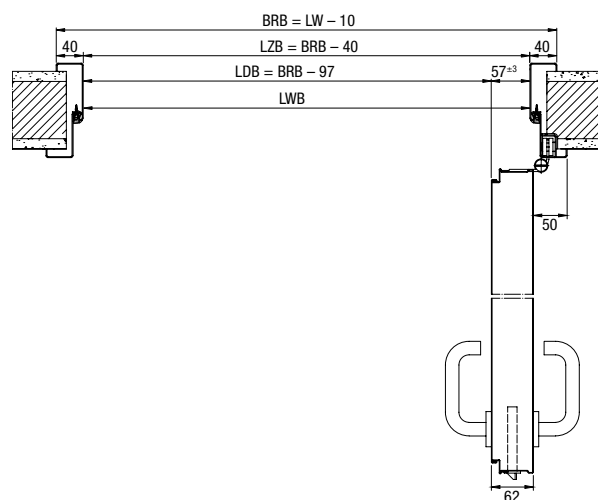
Block frame 62 / 75 (STU)



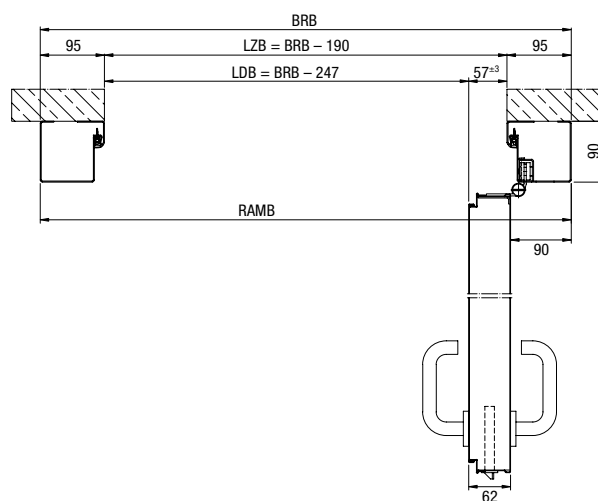
Clear passage widths STS

At an opening angle of 90°, without fittings

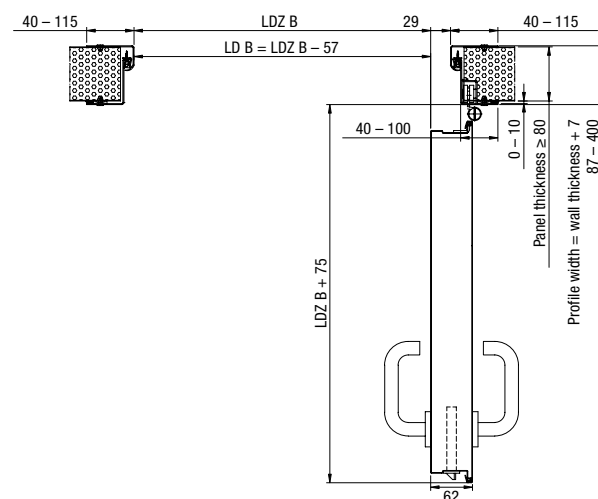
Double-shell profile frame (STS)



Add-on frame STS (for MZ and EI₂30 doors)



Panel wall frame STS (only for multi-purpose doors)

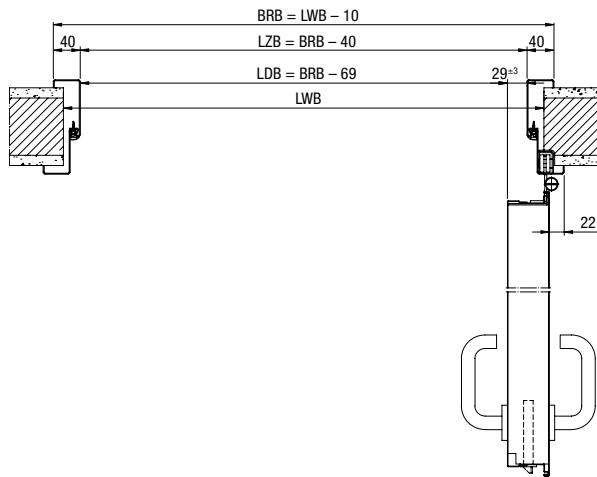


Dimensions in mm

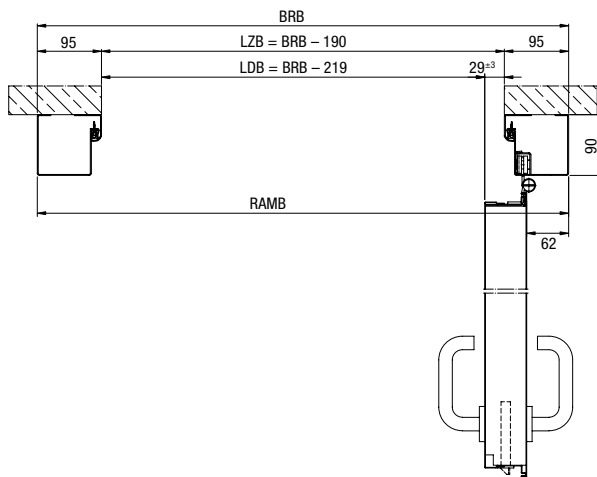
Clear passage widths STU

At an opening angle of 90°, without fittings

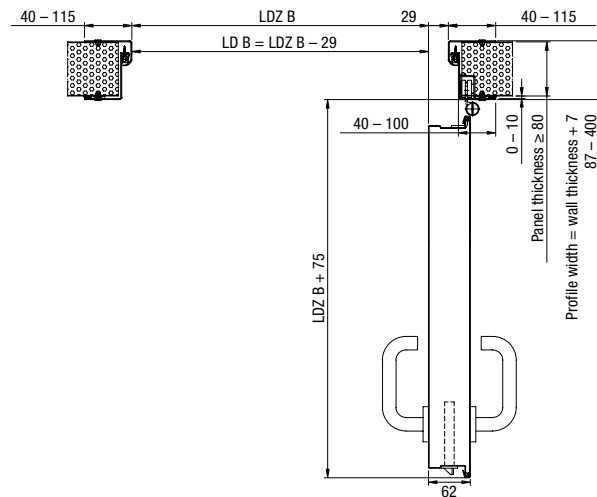
Double-shell profile frame (STU)



Add-on frame STU (for MZ and EI₂₃₀ doors)



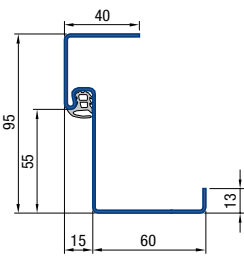
Panel wall frame STU (only for multi-purpose doors)



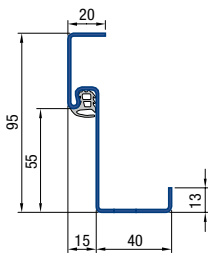
Dimensions in mm

Frame styles

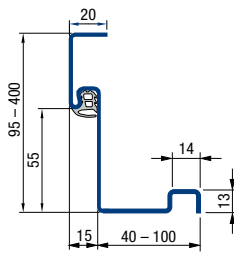
Corner frame (sheet thickness 1.5 mm)



Standard corner frame 40

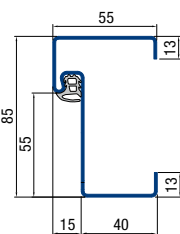


Corner frame 20

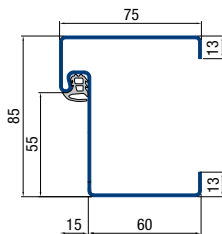


Custom corner frame with edge recess

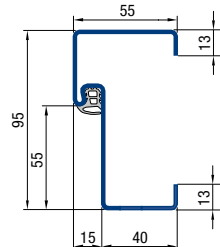
Block frame (sheet thickness 1.5 mm)



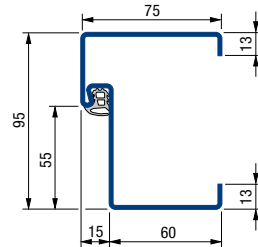
Block frame 85 / 55 mm (Standard)



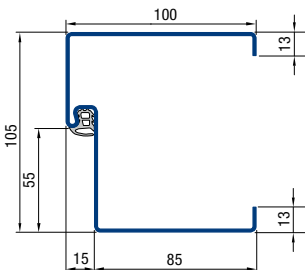
Block frame 85 / 75 mm (Standard)



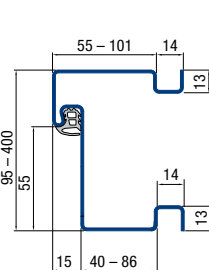
Block frame 95 / 55 mm



Block frame 95 / 75 mm

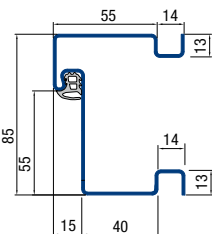


Block frame 105 / 100 mm

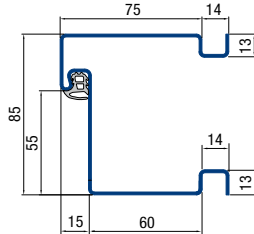


Custom block frame with optional edge recess

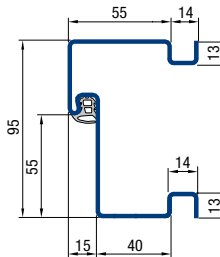
Block frame with edge recess for concrete and brickwork (sheet thickness 1.5 mm)



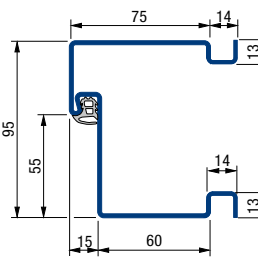
Block frame 85 / 55 mm Custom, with edge recess



Custom block frame 85 / 75 mm, with edge recess



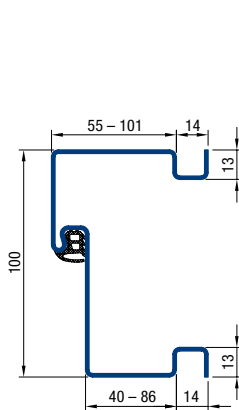
Custom block frame 95 / 55 mm, with edge recess



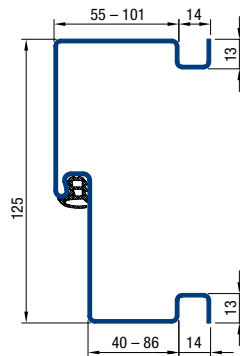
Custom block frame 95 / 75 mm, with edge recess

Dimensions in mm

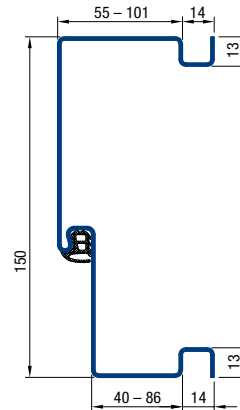
Block frame with edge recess for drywall construction (sheet thickness 1.5 mm)



Block frame 100 mm
Custom,
with edge recess

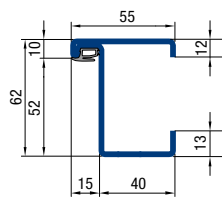


Block frame 125 mm
Custom,
with edge recess

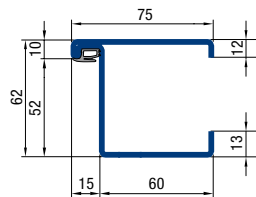


Block frame 150 mm
Custom,
with edge recess

Block frames for flush fitting of door leaf / frame (sheet thickness 2.0 mm)

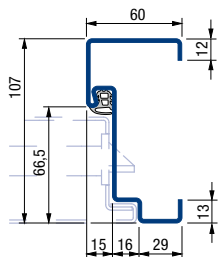


Block frame 62 / 55 mm



Block frame 62 / 75 mm

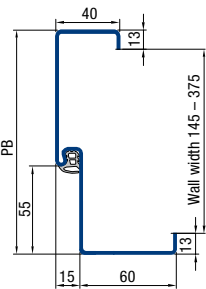
Block frame for flush-fitting security door STU (sheet thickness 1.5 mm)



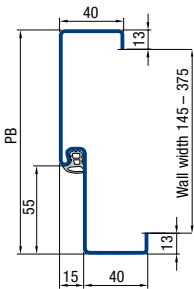
Block frame 107 / 60
Flush-fitting STU doors

Frame styles

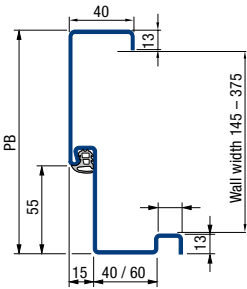
Profile frame (sheet thickness 1.5 mm)



Profile frame 60 (Standard)

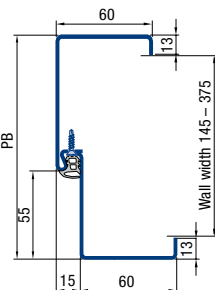


Profile frame 40

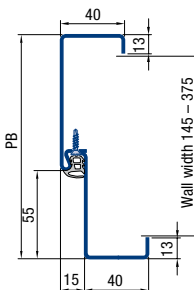


Profile frame with edge recess

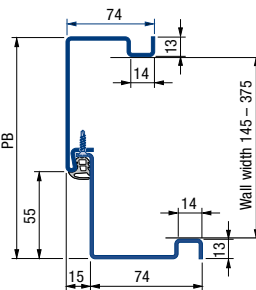
Double-shell profile frame (sheet thickness 1.5 mm)



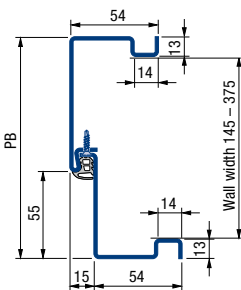
Double-shell profile frame 60 (Standard)



Double-shell profile frame 40

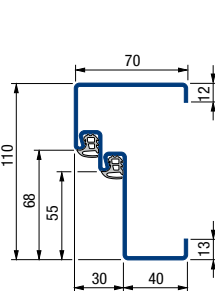


Double-shell profile frame, with edge recess

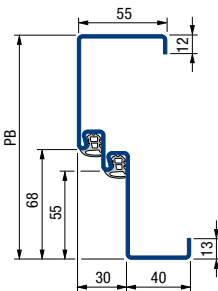


Double-shell profile frame, with edge recess

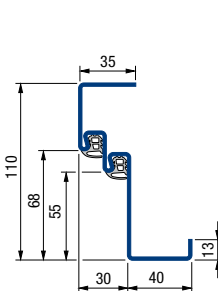
Double-rebate frame for acoustic insulation up to 42 dB* (only for STS – flush) (sheet thickness 1.5 mm)



Block frame (double rebate)



Profile frame (double rebate)

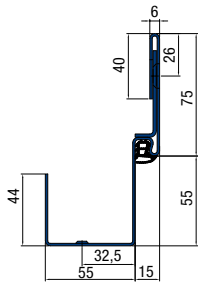


Corner frame (double rebate)

PB Profile width

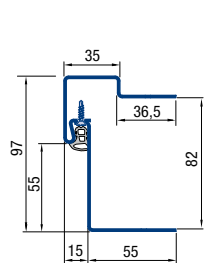
* Acoustic rating Rw 42 dB only with corner, block and profile frames with 3-sided double-rebate frame, with retractable bottom seal or with 4-sided double-rebate frame

Renovation frame for H8 doors

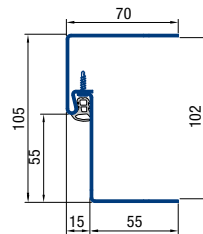


Renovation frame H8

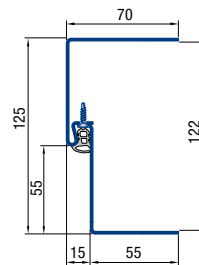
Panel wall frame for multi-purpose doors (sheet thickness 1.5 mm)



Panel wall frame 80

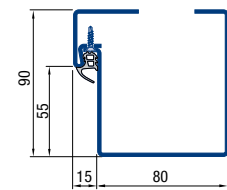


Panel wall frame 100



Panel wall frame 120

Add-on frame for multi-purpose and fire-rated doors up to EI₂₃₀ (sheet thickness 1.5 mm)

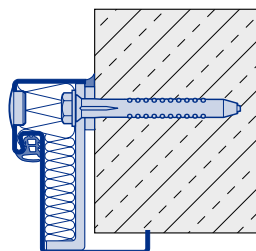


Add-on frame

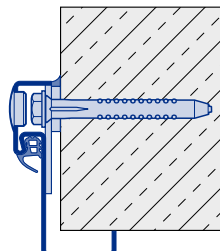
Fitting methods

Depending on wall fitting methods

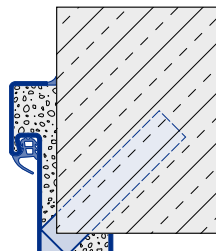
Fitting to concrete / brickwork



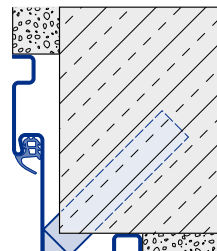
Corner frame 40
Plug-and-screw fitting
(Standard)



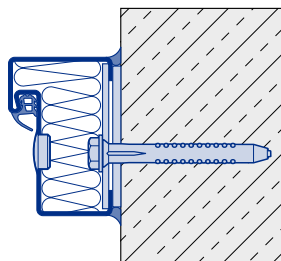
Custom corner frame 20
Plug-and-screw fitting
(Standard)



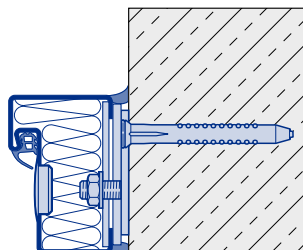
Custom corner frame 20
Anchor fitting



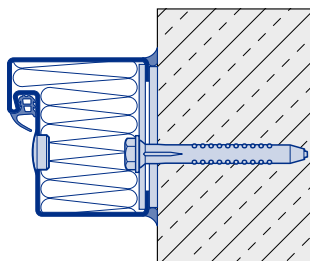
Custom corner frame 20
Anchor fitting, frame with
edge recess



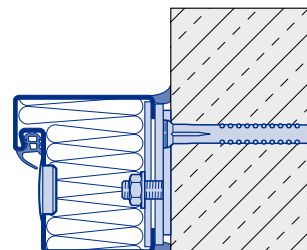
Block frame 85 / 55 mm (standard)
Plug-and-screw fitting
(Standard)



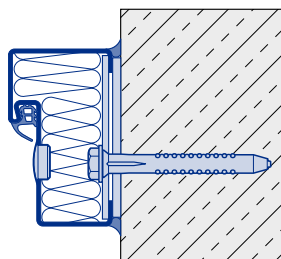
Block frame 85 / 55 mm (standard)
Plug-and-screw fitting
Flush wall fitting, hinge side



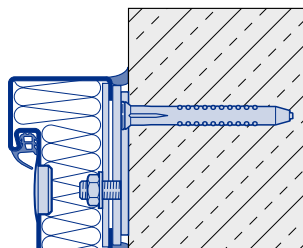
Block frame 85 / 75 mm (standard)
Plug-and-screw fitting
(Standard)



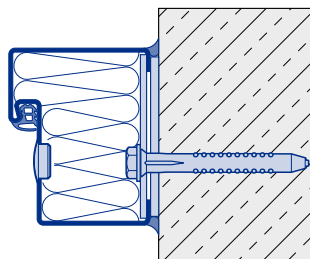
Block frame 85 / 75 mm (standard)
Plug-and-screw fitting
Flush wall fitting, hinge side



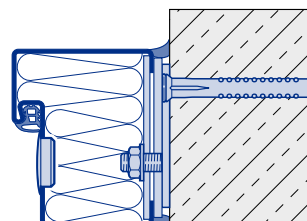
Block frame 95 / 55 mm
Plug-and-screw fitting
(Standard)



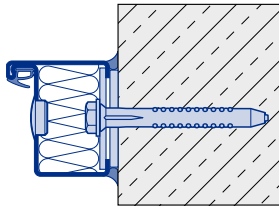
Block frame 95 / 55 mm
Plug-and-screw fitting
Flush wall fitting, hinge side



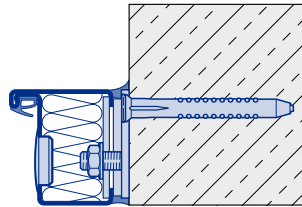
Block frame 95 / 75 mm
Plug-and-screw fitting
(Standard)



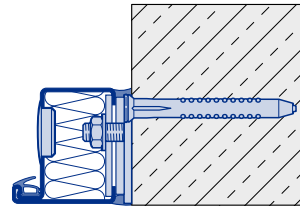
Block frame 95 / 75 mm
Plug-and-screw fitting
Flush wall fitting, hinge side



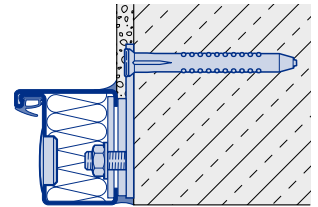
Block frame 62 / 55 mm
Plug-and-screw fitting
(Standard)



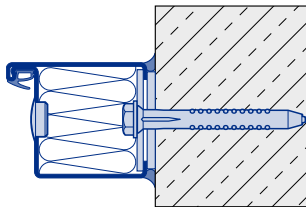
Block frame 62 / 55 mm
Plug-and-screw fitting
Flush wall fitting, hinge side



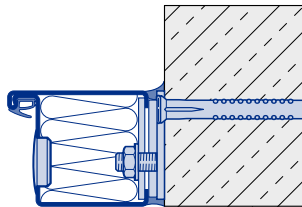
Block frame 62 / 55 mm
Plug-and-screw fitting
Flush wall fitting, opposite
hinge side



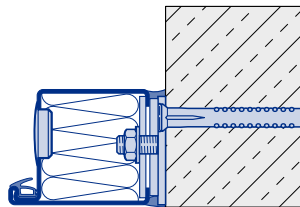
Block frame 62 / 55 mm
Brickwork
Plug-and-screw fitting
Flush wall fitting,
anchor plate 95, plastered
Hinge side



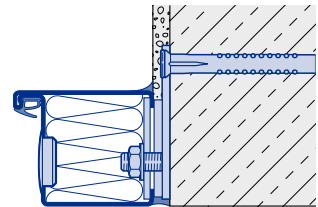
Block frame 62 / 75 mm
Plug-and-screw fitting
(Standard)



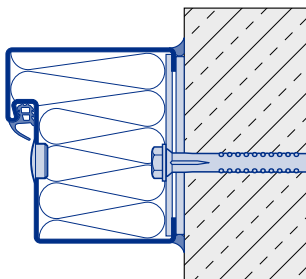
Block frame 62 / 75 mm
Plug-and-screw fitting
Flush wall fitting, hinge side



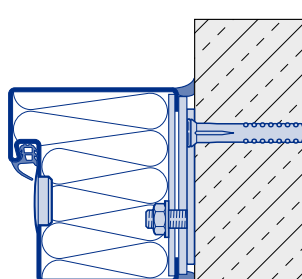
Block frame 62 / 75 mm
Plug-and-screw fitting
Flush wall fitting, opposite
hinge side



Block frame 62 / 75 mm
Plug-and-screw fitting (brickwork)
Flush wall fitting,
anchor plate 95, plastered
Hinge side



Block frame 105 / 100 mm
Plug-and-screw fitting
(Standard)

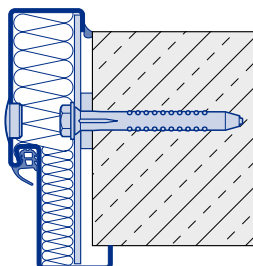


Block frame 105 / 100 mm
Plug-and-screw fitting
Flush wall fitting, hinge side

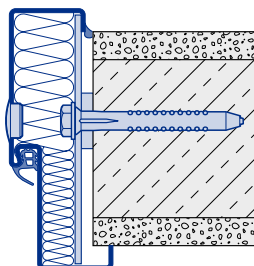
Fitting methods

Depending on wall fitting methods

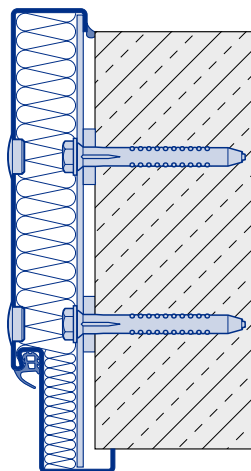
Fitting to concrete / brickwork



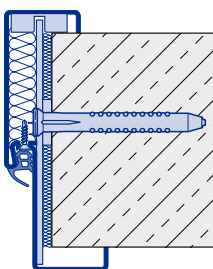
Profile frame
(up to 225 mm wall width)



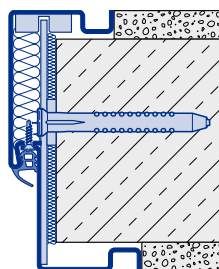
Profile frame
Brickwork / concrete, plastered



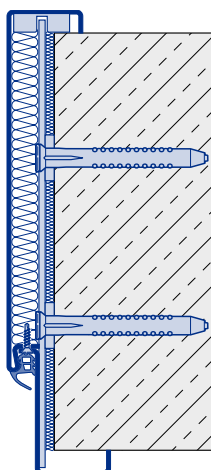
Profile frame
Plug-and-screw fitting
(from 226 mm wall width)



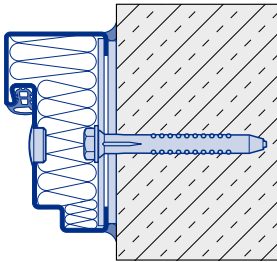
Profile frame, double-shell
Plug-and-screw fitting
(up to 225 mm wall width)
Standard



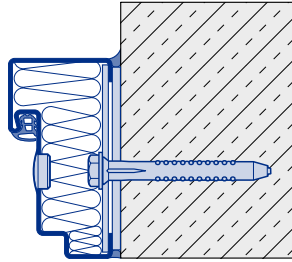
Profile frame, double-shell
Plug-and-screw fitting for
frame with edge recess



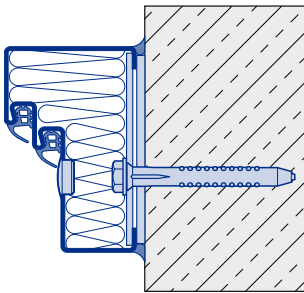
Profile frame, double-shell
Plug-and-screw fitting
(from 226 mm wall width)
with optional edge recess



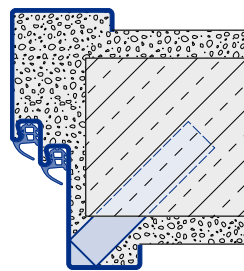
Block frame for flush-fitting
security doors STU
Plug-and-screw fitting



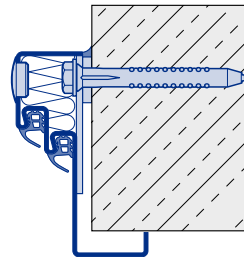
Block frame for flush-fitting
security doors STU
Plug-and-screw fitting
Flush wall fitting



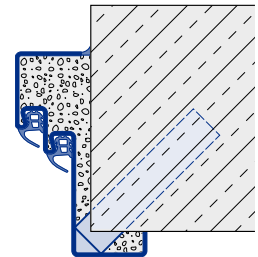
Block frame (double rebate frame)
Plug-and-screw fitting



Profile frame
(double rebate frame)
Anchor fitting



Corner frame (double rebate frame)
Plug-and-screw fitting

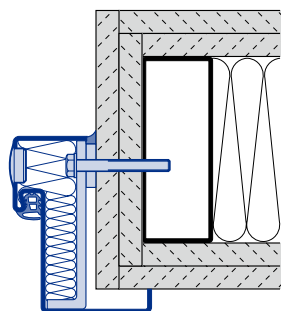


Corner frame (double rebate frame)
Anchor fitting

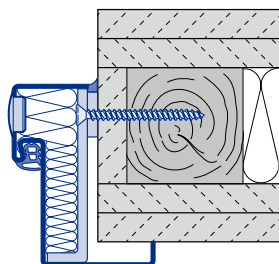
Fitting methods

Depending on wall fitting methods

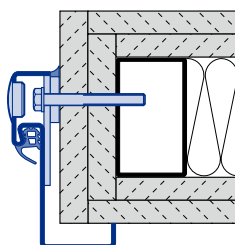
Fitting in partition walls



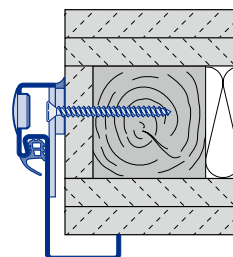
Corner frame 40 (standard)
Screw fixing



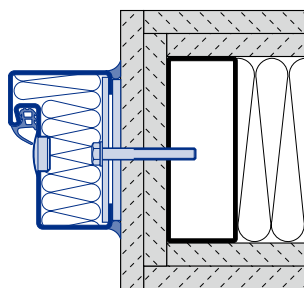
Corner frame 40 (standard)
Screw fixing



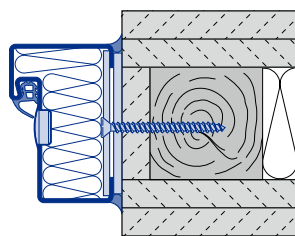
Custom corner frame 20
Screw fixing



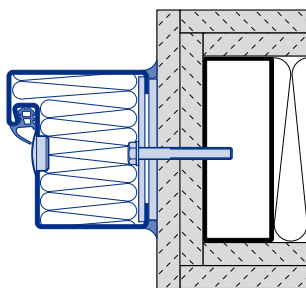
Custom corner frame 20
Screw fixing



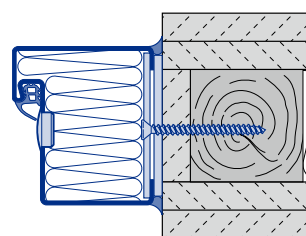
Block frame 85 / 55 mm (standard)
Screw fixing



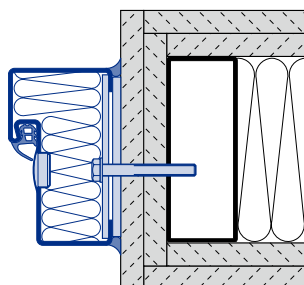
Block frame 85 / 55 mm (standard)
Screw fixing



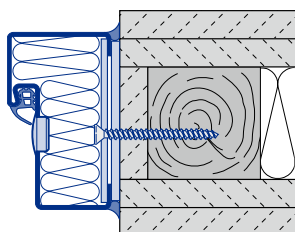
Block frame 85 / 75 mm (standard)
Screw fixing



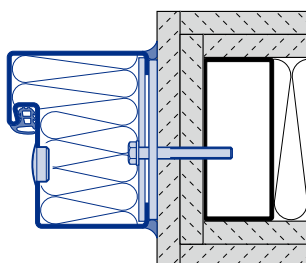
Block frame 85 / 75 mm (standard)
Screw fixing



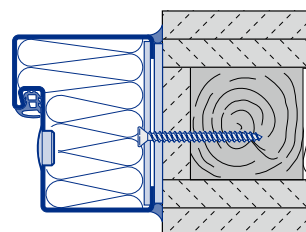
Block frame 95 / 55 mm
Screw fixing



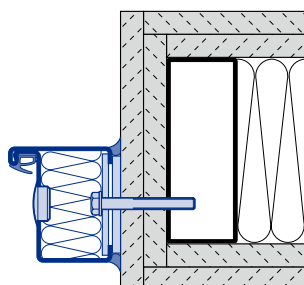
Block frame 95 / 55 mm
Screw fixing



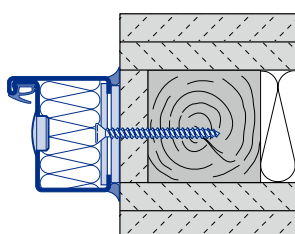
Block frame 95 / 75 mm
Screw fixing



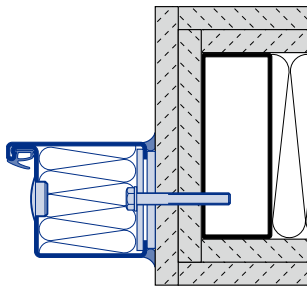
Block frame 95 / 75 mm
Screw fixing



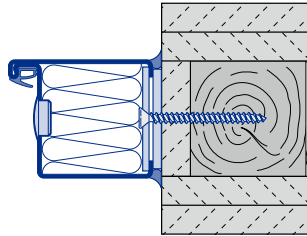
Block frame 62 / 55 mm
Screw fixing



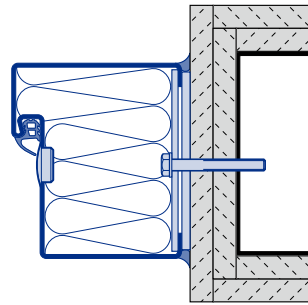
Block frame 62 / 55 mm
Screw fixing



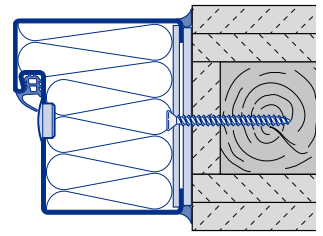
Block frame 62 / 75 mm
Screw fixing



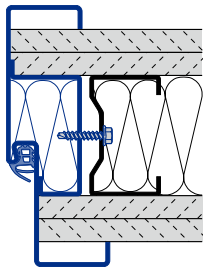
Block frame 62 / 75 mm
Screw fixing



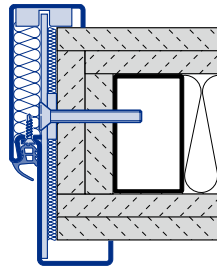
Block frame 105 / 100 mm
Screw fixing



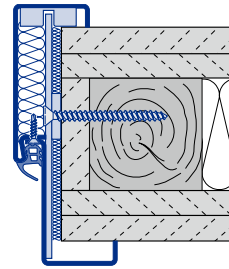
Block frame 105 / 100 mm
Screw fixing



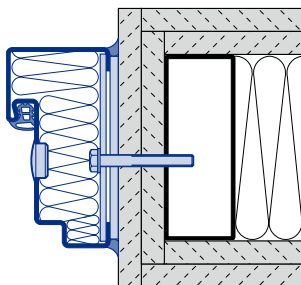
Profile frame
Screw fixing



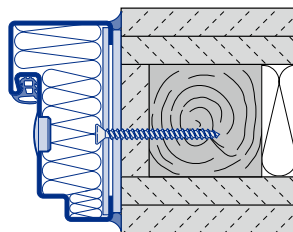
Profile frame, double-shell
Screw fixing



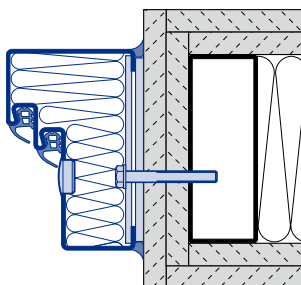
Profile frame, double-shell
Screw fixing



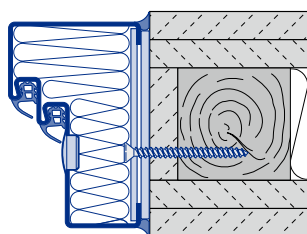
Block frame for flush-fitting
security doors STU
Screw fixing



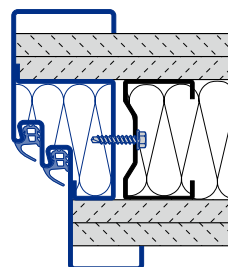
Block frame for flush-fitting
security doors STU
Screw fixing



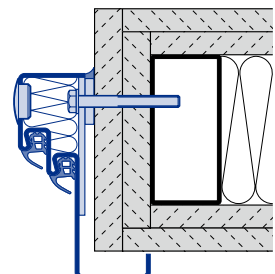
Block frame (double rebate frame)
Screw fixing



Block frame (double rebate frame)
Screw fixing



Profile frame (double rebate frame)
Screw fixing



Corner frame (double rebate frame)
Screw fixing

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