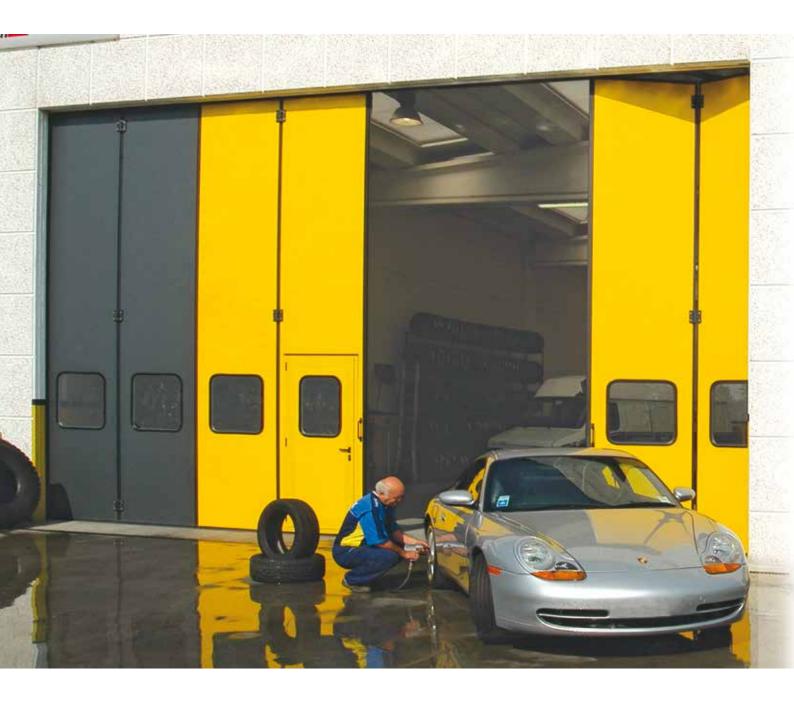
Side doors with matching appearance

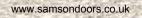


Steel Folding and Sliding Doors

Robust with trouble-free maintenance



GOOD



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The know-how of the specialist	4 – 5	
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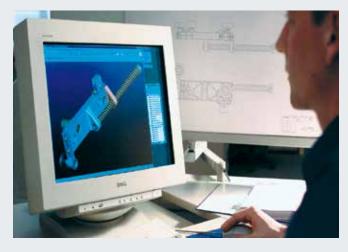
For further information on Hörmann products, please visit our website at **www.hoermann.com**

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Hörmann steel folding doors up to 20 m width

The ideal solution





Innovation and quality

Resistant, well thought-out products for all requirements tested right down to the last detail, designed to stand even the test of time: these are properties that make them ideal for the European market.



Modern manufacturing

Hörmann steel folding doors are manufactured applying state-of-the-art technology and the high safety standards set out by European standard EN 12604, as well as EN 12453 for motorised versions. These demands can only be met with computer-controlled manufacturing and highly qualified employees. Quality assurance control takes a top priority in the production process.

Low-maintenance thanks to minimal wearing parts. Hörmann steel folding doors are ideal for manually operated assemblies, e.g. on warehouses and vehicle depots, as well as maintenance halls, waste disposals and car dealers.

Ideal use

Hörmann steel folding doors are especially suited for halls where the ceiling area must remain free or statics do not permit ceiling loading. The fitting type should already be taken into consideration during planning.

Space-saving external fitting

This is a major advantage of folding doors! With doors fitted on the outside, interior space can be used completely. Valuable surface area in the hall is not lost on the side, lintel or under the ceiling.

Minimised risk of collision

Door leaves parked on the sides substantially reduce the risk of collisions, as they are completely within the driver's field of vision. If fitted properly for folding on the wall, the entire passage width is retained.

Varied design options of 2 to 16 leaves

Hörmann steel folding doors are available with widths up to 20 m and heights up to 6 m, solid or glazed. Double-skinned and insulated with glazing variants: rectangular and round. In galvanized and pre-coated sheets (thickness 0.8 mm) using a compound board as an intermediate layer made of polyurethane foam: CFC-free and highly insulating. Many versions are available on request with an integrated wicket door, divided traffic leaf or with a matching but independent side door.



Original spare parts Spare parts are, of course, original parts with a guaranteed availability of 10 years.



Competent advice

Experienced specialists of our customer-oriented sales organisation support you from the planning stage, through technical clarification up to the final building inspection.



Fast customer service

Thanks to our tight-knit customer service network, we are always close-by. This is a great advantage when it comes to inspections and maintenance as well as repair work.

PL-PU Insulated, double-skinned folding doors without bottom rail



With PL doors, the leaves are flush-fitting, double-skinned and consistently 52 mm thick. The inner door leaf edges contain an open profile with a suitable cross section that allows for the insulating foam to penetrate to the very edge of the surface. The thick insulating core made of CFC-free rigid foam results in an excellent thermal insulation value (U = $1.7 \text{ W/(m^2 \cdot K)})$ and visible thermal bridges (condensation water) are reduced significantly.

The primer-coating of all folding doors from Hörmann is available in 16 preferred colours, as well as approximately 200 colours based on RAL and NCS.



Standard safety!

Perfect finger trap protection at all vertical closing edges made of high-quality individual EPDM chamber profiles prevents fingers from being trapped from the inside and outside.

Ultramodern coating system

Appearance plays an ever increasing role - even for industrial buildings. The option of customising the colour of the door based on a customer request shouldn't mean qualitative defects or longer delivery times. An ultramodern coating system ensures optimum results, and even allows customer-specific adaptations for corporate design.

Hörmann: Quality without compromise



52 mm

6

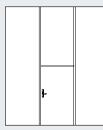
The ideal solution for combining excellent thermal insulation with the highest safety and regard for the environment



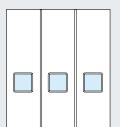




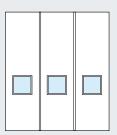
Door versions (for further details, see pages 20-21)



Version with traffic leaf without threshold rail



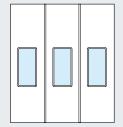
Version with square windows



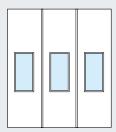
Version with square glazing and aluminium frames



Version with integrated wicket door with threshold rail



Version with rectangular windows



Version with rectangular glazing and aluminium frames

PL

Size range

Width of opening / wall up to 8200 mm Height up to 6000 mm

Track applications

On the wall, opening inwards or outwards In the opening, opening inwards or outwards

Space requirement for folding Between 150 mm (one leaf) and 350 mm (three leaves) with 90° leaves

Insulation Foam density 43-45 kg/m³

Door transmission of heat According to standard 13241-1 $U = 1.7 W/(m^2 \cdot K)$

CE mark

EN 13241-1

Wind resistance class Class 3

Acoustic insulation

DIN EN 717-1 R = 28 dB

Fire behaviour (DIN 4102) Leaf: Material class B (self-extinguishing)

PL-GL Glazed folding doors without bottom rail



Industrial architecture is following the general trend and using more colour. Companies are using coloured doors, for example to represent their corporate design, as a way to stand out.

Glazed doors PL-GL are the ideal solution to allow for the penetration of natural light and improved eye contact to ensure maximum safety.

Light and transparency

Glazed doors PL-GL are suitable for halls where more light is desired. They are used in vehicle depots, halls, car washes and maintenance and storage facilities.

On request, the doors are prepared for on-site glazing/infill, such as safety glass, multi-pane insulated glass, polycarbonate, insulating compound boards, timber or ventilation grilles.

The primer-coating of all folding doors from Hörmann is available in 16 preferred colours, as well as approximately 200 colours based on RAL and NCS.



Matching appearance

Glazed folding doors PL-GL provide maximum flexibility and endless variants for customerspecific adaptation. The structure of the leaf can be adapted to the building's architecture, resulting in an even, harmonious overall appearance.

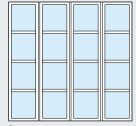


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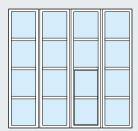
Sophisticated appearance with maximum safety and visibility



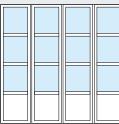
Door versions (for further details, see pages 20-21)



Standard version

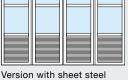


Version with integrated wicket door with threshold rail

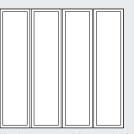


and PU panels at bottom

Version with integrated wicket door without threshold rail



infill and ventilated sections: ventilation cross section 20 %/m²



Version prepared for on-site infill. Fitting of continuous panes without crossbeams possible up to a height of 3 m 0800 328 6250

PL-GL

Size range

Width of opening / wall up to 6870 mm Height up to 6000 mm

Track applications

On the wall, opening inwards or outwards In the opening, opening inwards or outwards

Space requirement for folding Between 190 mm (one leaf) and 420 mm (three leaves) with 90° leaves

Insulation

Multi-pane insulated glass, low emissivity 44.1/12/33.1

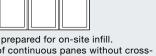
Transmission of heat

According to standard 13241-1 U = 2.2 W/(m²·K)

CE mark

EN 13241-1

Wind resistance class Class 3



PLIS 1/2-PU Insulated, double-skinned sliding folding doors with bottom rail



Ideal use

Hörmann folding doors with slide folding are ideal for use in large openings, even with little sideroom. They are available with one or two leaves and feature smooth surfaces, giving them the elegant, harmonic look of modern industrial architecture.

Finger trap protection for increased operational safety

The vertical and horizontal, long-lasting rubber seals (EPDM) fitted to the doors guarantee maximum trap protection and also provide improved air and water resistance.

PLIS 1/2-PU doors are the ideal solution for large dimensions at airports, helicopter airports, shipyards, large-surface warehouses, etc.

The primer-coating of all folding doors from Hörmann is available in 16 preferred colours, as well as approximately 200 colours based on RAL and NCS. Inner epoxide primer for the polyurethane bonding agent, with exclusive pretreatment

Guaranteed polyurethane insulation, thickness 50 mm with high density acc. to the standard DIN 4102 class B2

Moulded inner and outer hot-galvanized steel sheets, thickness 0.8 mm, Sendzimir system (EU standard 162/81)

Treatment through dressing and anticorrosion phosphating

Epoxide primer 5 μ of the bonding agent Final coating with polyester resin 20 μ with high chromatic stability (AICC-Magona)

Protective film made of self-adhesive polyether 80 $\mu,$ to be pulled off after fitting

Hinge fixing with inserts

Inner exterior frame made of galvanized steel 2.0 mm, selfsupporting, open, to prevent thermal bridges

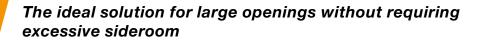
Aluminium alloy, three-part hinges with pin, inner bronze bearing made of sinter material and thrust bearings; cannot be disassembled from outside. Galvanized pin with anti-fall safeguard.

The vertical and horizontal seals are made of long-lasting EPDM rubber

Double interior fastening to prevent dismantling from outside

10

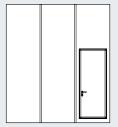
Anti-extraction pin screws



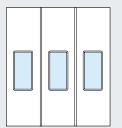




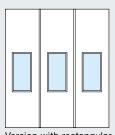
Door versions (for further details, see pages 22-23)



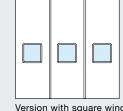
Version with integrated wicket door with threshold rail



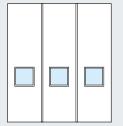
Version with rectangular windows



Version with rectangular glazing and aluminium frames



Version with square windows



Version with square glazing and aluminium frames

PLIS 1/2 - PU

Size range

Width of opening / wall up to 20000 mm Height up to 6000 mm

Track applications

On the wall, opening inwards or outwards In the opening, opening inwards or outwards

Space requirement for folding Between 665 mm (three leaves) and 1025 mm (eight leaves) with 90° leaves

Insulation Foam density 43 - 45 kg/m³

Door transmission of heat

According to standard 13241-1 U = 1.7 W/(m²·K)

CE mark EN 13241-1

Wind resistance class Class 4

Acoustic insulation DIN EN 717-1 R = 28dB

Fire behaviour (DIN 4102)

Leaf: Material class B (self-extinguishing)

PLIS 1/2-GL Glazed sliding folding door with bottom rail



Ideal use

Hörmann's glazed folding doors PLIS 1/2-GL with slide folding and bottom rail are ideal for use in large openings with little sideroom. They are available with one or two leaves and feature glazed surfaces, which elegantly provide maximum light inside buildings, as well as a sophisticated architectural appearance.

Finger trap protection for increased operational safety

The vertical and horizontal, long-lasting rubber seals (EPDM) fitted to the doors guarantee maximum trap protection and also provide improved air and water resistance.

The primer-coating of all folding doors from Hörmann is available in 16 preferred colours, as well as approximately 200 colours based on RAL and NCS.



Customer-specific door design

Glazed folding doors PLIS 1/2 GL perfectly fulfil the demanding requirements of modern architecture, as they can be integrated seamlessly into every type of facade.

Natural light and visibility

PLIS 1/2 GL doors are differentiated by wide glazing that ensures maximum visibility and natural lighting.

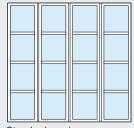


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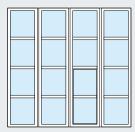
Natural light and visibility, maximum safety and transparency



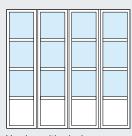
Door versions (for further details, see pages 22-23)



Standard version



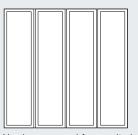
Version with integrated wicket door with bottom threshold rail



Version with glazing and PU panels at bottom Version with integrated wicket door without threshold rail



Version with sheet steel infill and ventilation sections: ventilation cross section 20 %/m²



Version prepared for on-site infill. Option of adding individual glass panes without crossbeam up to a height of 3 m 0800 328 6250

PLIS 1/2-GL

Size range

Width of opening / wall up to 20000 mm Height up to 6000 mm

Track applications

On the wall, opening inwards or outwards In the opening, opening inwards or outwards

Space requirement for folding Between 700 mm (3 leaves) and 1120 mm (8 leaves) with 90° leaves

Insulation

Multi-pane insulated glass, low emissivity 44.1/12/33.1

Transmission of heat

According to standard 13241-1 U = 2.2 W/(m²·K)

CE mark

EN 13241-1

Wind resistance class Class 4



PSCG-PU, PSSG-PU

Insulated sliding doors with or without bottom rail Also available as glazed version GL



Hörmann insulated sliding doors are ideal for closing off large openings that can be equipped with sideways shifting leaves. They are weather-resistant thanks to their pre-coated, galvanized material protected by an adhesive polyethylene film that is removed after fitting.

Special attention was paid to a low-maintenance design. On request, the doors are available with overlapping leaves for particularly wide dimensions or small areas for parking the leaves.



Operators

On request, sliding doors can be operated with a motor. Preferably, operators are used for doors located inside the building. If requested prior, they can also be used for external doors.

PSSG

The version without a bottom rail is particularly suitable to facilitate the passage of transport vehicles with small wheel diameters.

PSCG

The version with a bottom rail is ideal to reduce the weight bearing down on the structure to a minimum.

The primer-coating of all folding doors from Hörmann is available in 16 preferred colours, as well as approximately 200 colours based on RAL and NCS.





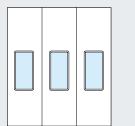
The archetype of door assemblies. An indispensable solution for special requirements.



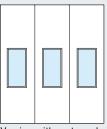
Door versions (for further details, see pages 24 - 25)



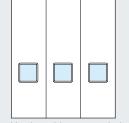
Version with integrated wicket door with threshold rail



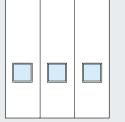
Version with rectangular windows



Version with rectangular glazing and aluminium frames



Version with square windows



Version with square glazing and aluminium frames

	PSCG-PU	PSSG-PU		
Size range	Width up to 12000 mm Height up to 6000 mm	Width up to 10000 mm Height up to 6000 mm		
Track applications	On the wall, sideways shifting on inside or outside.			
Fitting dimensions (space requirement)	Only 100 mm at the end and 65 mm at the beginning in the area of the leaf post. With two leaves: 100 mm + 100 mm at the end	Only 200 mm at the end and 65 mm at the beginning in the area of the leaf post. With two leaves: 200 mm + 200 mm at the end		
Insulation	Foam density 43 – 45 kg/m ³			
Door transmission of heat	Acc. to standard 13241-1 U = 1.7 W/(m²·K) (U = 2.2 W/(m²·K) GL version)			
CE mark	EN 13241-1			
Wind resistance class	Class 3			
Acoustic insulation	DIN EN 717-1 R = 28dB			
Fire behaviour	Leaf: Material class B (self-extinguishing)			

USP, UST Insulated leaf doors with steel and aluminium frames



Compliance with the latest reference standards requires modern sites to be equipped with a passage for pedestrians, as well as emergency exits. Hörmann's USP and UST doors meet these requirements by offering optimum protection that is particularly important for work, but at the same time giving the structure a matching appearance. They are available with one or two leaves without threshold.

USP: insulated leaf doors with steel frame

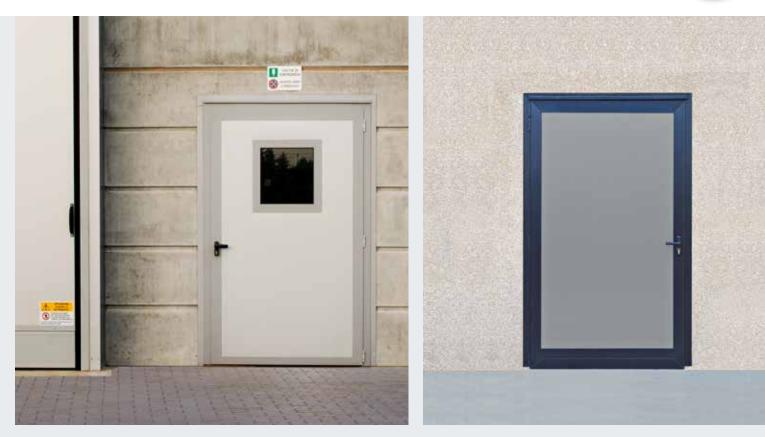
The 52-mm-thick leaves are produced by pressure-folding the pre-coated sheet (thickness 0.8 mm) on four sides. The inner core of the leaf consists of solid polyurethane foam. The black exterior frame with a thickness of 2.0 mm and galvanized edges painted black features a recess for the insertion of the single-chamber seal, made of sponge containing asphalt to protect against draughts. The bottom edge of the panel is equipped with a double-lip seal to protect against adverse weather effects. The two-part aluminium alloy hinges are attached to the leaf and frame using self-tapping inserts from the automotive industry.

UST: insulated leaf doors with aluminium frame

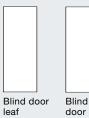
Insulated steel leaf door UST features a black anodised aluminium frame. The hinges are made of aluminium with concealed fixing. The inner panel is 40 mm thick on the frame and is produced by pressure-folding the pre-coated sheet with a thickness of 0.8 mm on four sides. The core of the leaf consists of solid polyurethane foam. The seals located on both the leaf and the frame feature a thin draught-stopping profile. In the bottom section, sealing against adverse effects of the weather is ensured through bayonet-type brushes in the bottom profile.

Maximum safety with a matching appearance





Door versions (for further details, see pages 26 - 27)



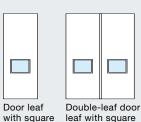
Blind double-leaf door leaf



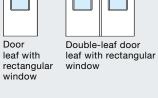
frame

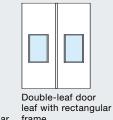


Double-leaf door leaf with square Door leaf with square window window



leaf with square frame





	USP	UST	
Size range	Width up to 2500 mm Height up to 3000 mm	Width up to 2500 mm Height up to 2500 mm	
Track applica- tions	On the wall (external fitting), opening outwards In the opening, opening inwards or outwards On the wall (internal fitting), opening inwards		
Fitting dimensi- ons in the wall opening	Width only 25mm per side Height only 30mm	Width only 45 mm per side Height only 50 mm	
Insulation	Foam density 43 – 45 kg/m³		
Fire behaviour	Leaf: Material class B (self-extinguishing)		

rectangular frame

0800 328 6250

Door leaf with

frame

www.samsondoors.co.uk

Glazing for folding doors Let there be light!

VIGILI DEL FUO



Glazing for all catalogue products

Glazing with EPDM frame

Glazing frames with resistant EPDM profiles with single pane (thickness 10 to 11 mm) made of burglar-proof glass as per directive EN 12600 class 1 (B)1. It is not possible to prepare the glazing for infill by the customer.

Glazing with aluminium frame

Glazing with black anodised aluminium frame, equipped with glazing beads for anchoring the pane. Glass up to a maximum thickness of 28 mm can be installed. Also available for on-site infill.

Multi-pane insulated glass

4+4/12/4+4 PLN with low emissions

Directive EN 12600 class 1 (B) 1.

Sizing: Standard sizes

Standard sizes for EPDM frames:

500 mm × 500 mm	$600~mm \times 1200~mm$
500 mm × 700 mm	700 mm × 700 mm
500 mm × 1000 mm	$700 \text{ mm} \times 1000 \text{ mm}$

Standard sizes for aluminium frames:			
500 mm × 500 mm	600 mm × 1200 mm		
500 mm × 700 mm	700 mm × 700 mm		
500 mm × 1000 mm	700 mm × 1000 mm		

Special sizes

Glazings to choose depending on the leaf width minus the lateral frieze, height max. 1200 mm. Bottom section from FFL: min. 1000 mm Frieze width, side and top = min. 180 mm Rib between two clear rows = min. 300 mm

These folding doors can be equipped with the panes shown here, according to your wishes and depending on your specific requirements

CO VOLONTARI





Bronze-grey plastic film

Glazing, consisting of two glass panes, with a coloured plastic film between the panes. Total thickness = 10 - 11 mm. Weight 25.4 kg/m².



Cool lite glass

Glazing, consisting of two panes – the outer pane mirrored with PVB* film – (thickness = 0.38) for a total thickness of 10 to 11 mm. Weight 25.4 kg/m².



Reflective stop sol glass

Glazing, consisting of two glass panes that have been specially treated to ensure a selective, pre-determined reflection of sunlight by means of inserted PVB* film for a total thickness of 10 to 11 mm. Weight 25.4 kg/m².



Clear glass

Glazing, consisting of two panes of clear glass, with PVB* film between the panes for a total thickness of 10 to 11 mm. Weight 25.4 kg/m².

Quality features PL-PU / PL-GL Double-skinned, insulated door without bottom rail



Finger trap protection for increased operational safety. 25 mm EPDM seals are fitted to the vertical edges between the leaves, guaranteeing maximum safety and sealing. A 50 mm double-chamber seal is inserted between the leaf and the post.



Joint between the leaves with double 25 mm single-chamber seals.

For doors that do not feature a bottom rail, it is recommended to incline the exterior floor to an angle that is suitable for draining rainwater. The threshold area inside the building must be level for a minimum depth of 1.5 m. Optionally, the folding arrangements 2:0 / 0:2 ; 2:1/2:2 can also be automated via an operator (with housing), optical sensor and flashing light attached to the leaf with control panel and push button set for each leaf (see below).





Espagnolette mechanism with lock (viewed from outside)

Essential if there are no other entrances to the property. Can be used on symmetric and asymmetric leaves. Equipped with an external polyamide long escutcheon. Continuous brass cylinder, 81 mm. Moulded lever in black light metal alloy.



(viewed from inside) Internal mechanism made of steel. Moulded actuation lever. Top and bottom lock in galvanized steel. Handle for folding in light metal alloy. Rod connections fastened directly to internal frame via Teflon holders to ensure optimum operation.



Locking without lock Specification as described, however with aluminium espagnolette lever and handle, painted black and with sabre handle.



Top carriage

Equipped with three metallic, self-lubricating and nylon-coated bearings, two of which are arranged horizontally and the third vertically, to achieve optimum running characteristics. Pin Ø 20 mm and adjustable steel thrust bearing.

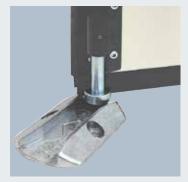


Bottom metal tip In light metal alloy (Ø 16 mm) with a bottom bushing for ground-level fitting. Bottom seal with two lips, height-adjustable in stages to gain a max. of 15 mm (for levelling with floor)



Handle

Handle in light metal alloy. The first leaf in the closing direction for uneven folds and the centre leaves for double-leaf doors are equipped with handles in a light metal alloy to facilitate movability.



Shoe

In stamped aluminium, specially moulded for fixing to the floor with plugs. Suitable for accommodating the pin with a widened end, Ø 42 mm.



Side posts and hinges Tubular, 80 × 40 × 3 mm section galvanized and, on request, painted black. Fastening by means of a slotted support bracket, suitable for wall fitting with plugs and fitting to the post with screws and inserts. 3-part hinges with self-lubricating bronze bearings, suitable for easier movability, aluminium alloy, painted black.



Metal tip and top rail Same as with bottom metal tip. Suitable for insertion in the door guide, in galvanized steel, moulded, galvanized black. Top as with the bottom seal, suitable for gaining 15 mm.

Quality features PLIS 1/2-PU – PLIS 1/2-GL

Insulated doors with single or double-folding with bottom rail



Ideal use

Finger trap protection for increased operational safety. 25 mm single-chamber seals attached to the vertical edges between the segments as permanently elastic tubular profiles made of long-lasting EPDM, guaranteeing maximum sealing. One or two 50 mm double-chamber seals are attached between the leaf and the stop post for singleleaf doors and between the two leaves for doors with double folding.

Despite the bottom rail, it is recommended to incline the exterior floor to an angle that is suitable for draining water. The threshold area inside the building must be level for a minimum depth of 1.5 m.

Locking

The first leaf of each individual leaf door is equipped with a bolt for locking the door. On request, access from outside is possible by equipping the door with an espagnolette lever (for further details, see page 21). For manually operated doors: bottom locking; for motorised doors: top and bottom locking with a safety microswitch.



Centre carriage

Equipped with 4 self-lubricating, nylon-coated metal bearings, arranged vertically. Pin Ø 20 mm and adjustable steel thrust bearing. Fixed to a complete 3-part hinge in aluminium alloy, painted black, with self-lubricating bronze bearings suitable for easy manoeuvrability.



Top, front carriage

Equipped with 4 self-lubricating, nylon-coated metal bearings, arranged vertically. Pin Ø 20 mm and adjustable thrust bearing in tropicproof steel. Fixed in the middle of the hinge in light-metal alloy.



Guiding roller

Fastened to a suitable carriage with fine adjustment, the rollers are attached to alternating leaves to obtain characteristic folding during lateral movement.



Handle

Handle in light metal alloy. The first leaf in closing direction and the centre leaves for double-leaf doors are equipped with handles in a light metal alloy to facilitate manual movability.



Bottom, centre pin

The bottom pin with matching section, attached between two leaves, fits into the rail, creating a connection and thus a counter-anchoring. The bottom double lip seal is height-adjustable in stages to gain a maximum of 15 mm for levelling with the floor.



Rear lip seal

The end of the door features a specially shaped lip seal that fits with the matching supplied and pre-coated profile along the entire height of the transition.



Special top diverter In the rear section, the top rail doubles by extending in a guitar-like pattern. The carriages follow the main rail, while the guiding roller diverts into the secondary track, creating a "book cover effect".



Bottom pin with head and rail

The Ø 42 mm pin with widened end fits into the rail that looks like an upside down omega, which is galvanized, previously moulded into the floor and preferably connected to a sleeve to disperse rainwater. It is continuously height-adjustable by means of a screw.

Leaf operator PLIS 1/2

With automatic doors, a complete electric operator – either three-phase or single-phase, depending on the dimensions - is attached to the top diverter, with unlocking for emergency operation from inside in case of power failure, and power limit, as per the specifications in the applicable provisions. The control panel is equipped with a switch and push button set: Open / Stop / Close. An optical safety sensor is attached to the front side of each individual leaf and to the edge of the wall at the end for a height of 3000 m, which, in case of impact, stops the door and reverses the travel direction to release the obstacle. Passage is also protected by photocells with flashing infrared rays. Depending on the application, if further safety measures are needed, it may be necessary to install an additional optical sensor where folding takes place to prevent accidents.

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Quality features PSCG, PSSG* Insulated sliding door with or without bottom rail



Features

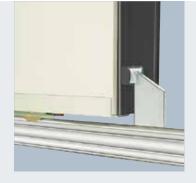
After insertion of a suitable connection profile, the individual panels that form the sliding door are fixed using a U-shaped thermoplastic profile and concealed cap bolts at the top and bottom. Using a dovetail groove, a 50 mm double-chamber safety seal made of long-lasting EPDM is attached to the front of the leaf. The back section contains a lip seal that features a suitable pre-coated profile in the same colour as the door previously fitted to the wall. The top and bottom of the door feature brush seals. An espagnolette lever is attached to the front of each leaf, which can be moved downward from inside.

Optionally, sliding doors PSSG (without rail) and PSCG (with rail) can also be automated, depending on the size, with an electrical three-phase or single-phase operator attached to the leaf. (Please contact us for further details).



Bottom, front stop PSCG The 50 mm EPDM double-chamber

seal is applied to the stop post (standard: galvanized, black on request), which is attached to the wall with slotted support brackets. The galvanized profile for moulding into the floor serves as a guide on which the metal support wheels (Ø 80 mm) run.



Rear, bottom stop PSCG The end stop with rubber buffer indicates when the largest opening has been reached.



Front, upper stop PSCG

The perfect connection between the stop post and the top rail, in addition to the slotted and adjustable fixing element, the overlapping of sliding door and wall and the U-profile of the top insulation show just how unique this model is.



Rear seal

The rear lip seal made of long-lasting EPDM seals the natural gap resulting from the distance to the wall, fitting to the matching vertical, pre-coated profile. The top fixing element is attached to the lintel with expansion plugs.



Top roller PSCG

Maintenance-free plastic rollers guide and anchor doors equipped with bottom metal rollers for support at the top.



Threshold PSSG

Here, the sliding door is suspended above the floor, hanging from the top rail. The floor thus has no threshold and is continuous. In this case, no preparations on the floor are required for the door.



Top rail PSSG

The specially shaped top profile serves as a support rail in which two or more carriages run in proportion to the width of each leaf, where each carriage is equipped with selflubricating metal bearings.

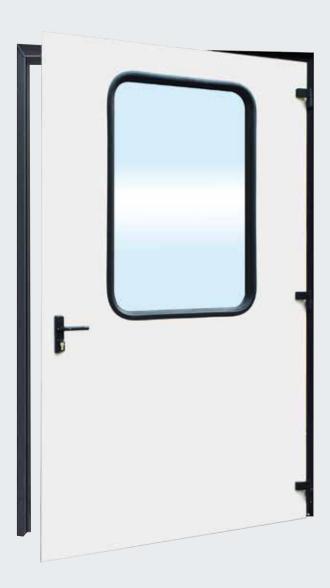


Recessed handle A fitted galvanized steel recessed handle is attached to the side of the first panel facing the wall, which represents the entirety of the traffic leaf, to facilitate operation.



Bottom roller PSSG The end of each individual leaf is equipped with the correct bottom anchoring to guide the sliding door with plastic rollers to link it to the floor.

Quality features USP Steel doors for single or double-leaf doors



Ideal use

These hinged doors are available to complete the industrial door, as they are produced with the same technology as the 50 mm PU leaves. External frame with three-sided, moulded stop with single-chamber seal. Single-leaf with fitted lock, long escutcheon (rose on request) and rectangular glazing rounded on the edges.



Lever handle Made of black plastic with rose escutcheon (on request).



Anti-panic handle Lock integrated in the handle.



Top tongue Together with the bottom tongue, it ensures that the leaf remains in place.



50 mm section Insulated leaves, hinges in black alloy, frame with suitable section, prepared for fixing with through-plugs.



Centre hinge With larger section, adjustable and maintenance-free.



Top and bottom hinge With self-lubricating bushings, fastening with inserts.



Anti-panic bar With top and bottom locking and chrome-plated bar.

Quality features UST Aluminium doors in single or double-leaf versions



Ideal use

The door presents itself in puristic style, as the leaf is formed by an aluminium box frame, coupled with a 40 mm pre-coated insulated sheet panel attached to the outside with snap strips. The leaf fits to the frame equipped with doubled seals and hinges that were clamped in their own location with concealed pins.



In black aluminium alloy, suitable for frames. Rain canopy on request.



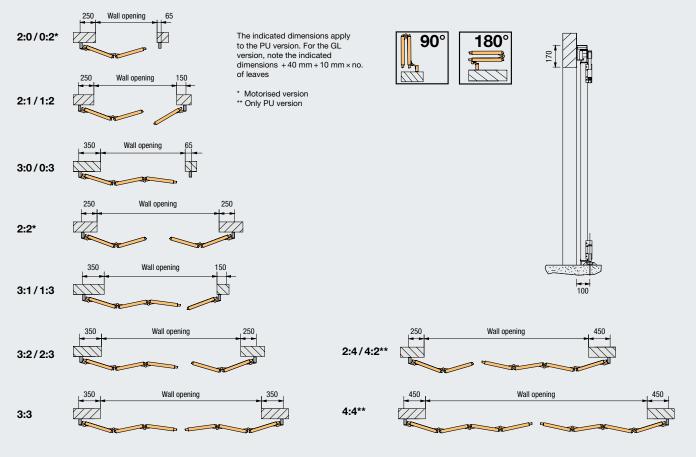
Lever handle and lock With continuous cylinder and possible fitting of an anti-panic handle.



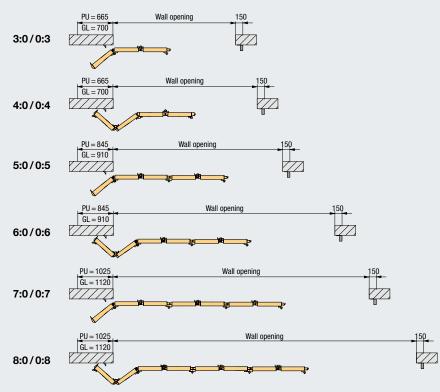
40 mm section Insulated leaf, hinge in black alloy, aluminium frame prepared for fixing with through-plugs.

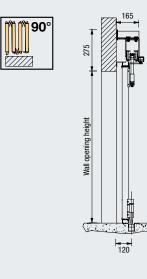
Folding arrangements/clear passage widths

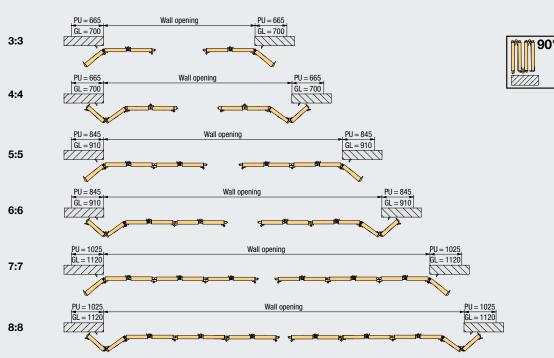
For doors without bottom rail PL-PU/-GL



For doors with bottom rail PLIS 1-PU/-GL



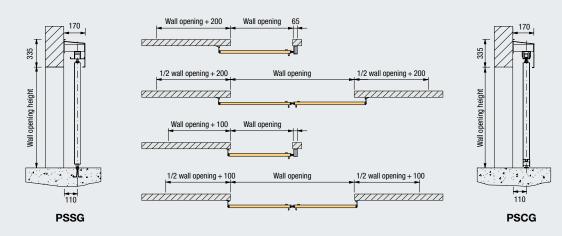




For doors with bottom rail PLIS 2-PU/-GL



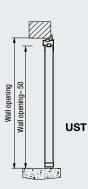
For sliding doors PSSG and PSCG (-PU/-GL)



For insulated doors USP – UST



Opening arrangement for double-leaf LH-hinged RH-hinged Opening arrangement for single-leaf LH-hinged RH-hinged



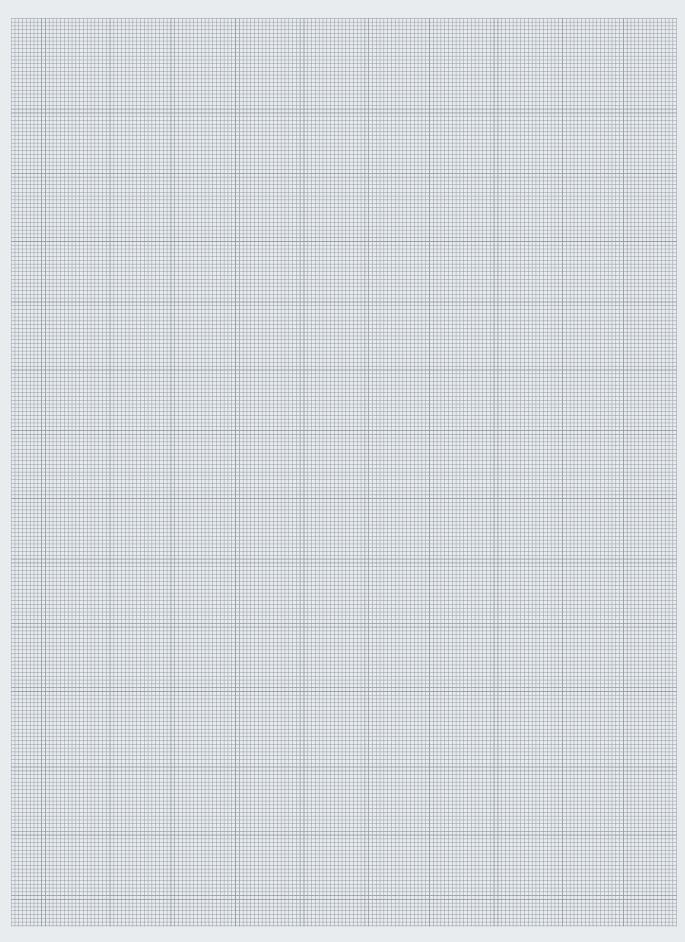
Technical data Construction and quality features

● = Standard ○ = on request

ndard -= unavailable

⊖ = on request					
			PL-PU	PL-GL	
Use	External door		•	•	
	Internal door		•	•	
	In the opening		•	•	
Door dimensions	Width		8200	6870	
	Height		6000	6000	
Headroom	min., mm		170	170	
Fitting dimensions (space requirement)	Wall attachment; min., mm		150 – 450	190 – 420	
Leaf width	Max. 1320 mm		•	•	
	Max. 1207 mm				
Number of leaves	From 1 to 16		2:8	2:6	
Folding arrangement	See: p. 28-29		•	•	
Frame profile	Tube 80 × 80 × 3		•	•	
Frame profile on fitting side	Tube 120 × 40 × 2		-	-	
Frame profile	"S" section		_	_	
	"Z-L-T" section		_	_	
Thickness	60 mm		_	•	
	52 mm		•	_	
	37 mm		_	_	
Rotational angle	90°		•	•	
	180°		0	0	
Traffic leaf	As per RH hinged/LH hinged				
without threshold rail	, o por tra migod, 211 migod		•	•	
Track application	On the wall	Opening inwards	•	•	
		Opening outwards	0	0	
	In the opening	Opening inwards	•	•	
		Opening outwards	0	0	
	On the wall (external fitting)	Opening outwards	-	-	
	On the wall (internal fitting)	Opening inwards / outwards	-	-	
Fire behaviour DIN 4102	Leaf: Material class B2 (self-extinguis	shing)	•	-	
Frame material	Moulded, hot-galvanized tubular pro	file, thickness 2 mm	•	•	
Leaf weight without panes / panels	kg/m²		25	23 +	
Wicket door	Max. height 2200 mm		0	0	
	Threshold height		120	120	
Matching wicket door	Max. height 3000 mm		-	-	
Housing	Side/top		0	0	
Fixed panels	Side/top		0	0	
Hinges	In aluminium alloy, two-part with self-lubricating, black bronze bearings		•	•	
EPDM seals	Finger trap protection on the edges	Vertical	•	•	
		Тор	•	•	
		Bottom	•	•	
Brushes		Тор	-	-	
		Bottom	_	_	
Door leaf	Insulated panels		•	0	
	Glass – insulated panels – grid		0	0	
Ventilation	Aluminium or steel grid		0	0	
Pane type	Max. thickness 35 mm		•	0	
Leaf locking	Bolt		-	_	
	Espagnolette lever		0	0	
	Espagnolette lever with lock		0	0	
	Lever handle with lock		-	-	
	Anti-panic bar				
Fitting types	Concrete, steel, brickwork		-	-	
			•	•	

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Hörmann product range

Everything from a single source for your construction project

1 Sectional doors

These space-saving door systems can be adapted to different industrial facilities using various track applications. Hörmann offers you customised solutions for every type of application.

2 Rolling shutters and rolling grilles

Thanks to a simple construction with just a few components, rolling shutters are both economical and sturdy. Hörmann supplies rolling shutters in widths up to 11.75 m and heights up to 9 m, or even higher for custom doors.

3 High-speed doors

Hörmann high-speed doors are used both inside and as exterior doors to optimise the flow of traffic, improve room conditions and save energy. The Hörmann programme includes vertically and horizontally opening transparent doors with flexible curtains.

4 Loading technology

Hörmann offers complete loading systems for the logistics sector. The advantages: reliable planning, dependable execution of construction work and high functionality thanks to precisely matched components.

5 Fire sliding doors

Hörmann can provide you with single or double-leaf sliding door solutions, suitable for all areas and fire-protection class requirements.

6 Multi-function doors and internal doors

Hörmann multi-function doors and internal doors are suitable for indoor and outdoor use. Our single and double-leaf doors can be used wherever robust door elements are required. With numerous additional functions such as fire and smoke protection, acoustic installation or burglar protection.

7 Box frame parts

For visually sophisticated areas, such as administrative buildings, Hörmann steel and aluminium fire-rated and smoke-tight doors, as well as automatic sliding doors, are also available for special fire protection requirements.

⁸ Visibility windows

Hörmann visibility glazings are used as windows or room-high elements to provide more light and better visibility.

