



German Quality

Certified in accordance with British Standard



Steel Doors for all Applications

Top quality, durability, safely, security

HÖRMANN

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“A Good Reputation Must Be Earned”

August Hörmann, Founder, 1886-1944

Thomas J. Hörmann Martin J. Hörmann Christoph Hörmann



Hörmann, a wholly-owned family enterprise is now run by the 4th generation. The company has prospered by manufacturing expertly crafted and high quality doors for its customers. It has become active internationally, securing a leading position in the world market place. Hörmann now operates more than 20 highly specialised factories using the most advanced technology to manufacture a wide range of high quality products. Today, as in the past, the name Hörmann is synonymous with uncompromising quality.

Hörmann Beijing Door Production Co., Ltd.



Since its entry into China in 1998, Hörmann Beijing Door Production Co., Ltd. has earned a reputation as a manufacturer of high quality products in Asia. The Beijing factory uses high-tech know-how and state-of-the-art equipment to produce hinged doors, such as fire-rated doors, security doors, fire high-retardant security doors, interior doors and multi-purpose doors, all based on German quality standards.

Hörmann Tianjin Door Production Co., Ltd.



Hörmann has established its second factory in China, Hörmann Tianjin Door Production Co., Ltd. to manufacture industrial doors such as sectional doors, high-speed doors, rolling shutters and loading technology such as dock levellers and dock shelters in its new 16000sqm plant in Baodi, Tianjin. As the world's premier door producer, Hörmann has moved its state-of-the-art production closer to its customers in order to facilitate a rapid response to rising demand.



Fire-rated doors according to British Standard!

Hörmann fire-rated doors have been tested in accordance with British Standard BS476: Part 20:1987, BS476: Part 22:1987, and passed all relevant tests and inspections.

Once again Hörmann proved its leading role in quality and technology.



Hörmann Fire-rated Doors Because it's Good to be on the Safe Side

Independent and Timely Product Development



On-going improvements in all sectors and the timely development of new products are the day-to-day goals of our technical department. This has brought Hörmann an array of patents and secured its top position in the global market place.

High Quality Manufacturing Technique



All Hörmann factories employ the most advanced technology. Microprocessor-controlled machinery guarantees the accuracy of all of the production processes, while stringent in-house monitoring ensures consistently high product quality.

Competent Advice and Support

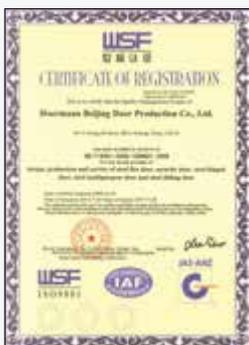


Experienced specialist advisors from our customer-orientated sales organisation accompany you throughout all the various stages of your project - from planning, through technical clarification to final inspection. Complete working documentation is not only available in printed form but is also continually updated on the Internet at www.hoermann.com

A Highly Skilled Workforce



Expert fitting is just as important as the high quality of the product itself. Experienced Hörmann specialist personnel provided by our business partners ensure that the doors are always fitted properly.



Hörmann products are manufactured strictly according to the Chinese Quality Management System GB/T19001-2008 idt ISO 9001:2008 and Chinese Environmental Management System ISO14001:2004

Hörmann Advantages

- **Wide range of products**
- **Modern design**
- **High-quality hardware**
- **Decograin and qualified powder coating for door surfaces**
- **Outstanding insulation and sealing**
- **ISO certified production**



A Whole Range of High Quality Doors to Meet Your Needs



Take advantage of the achievements gained through more than 50 years of experience. By using Hörmann fire-rated doors, you are assured decades of quality, protection and safety. All Hörmann fire-rated doors meet British Standard and are strictly in design production and service according to ISO 9001 requirement. Install Hörmann fire-rated doors with complete confidence on safety.

In addition Hörmann doors offer an exquisite appearance. This is particularly important where it is necessary to fit doors with varying dimensions on the same floor of a building. Offering both appearance and optimum fire protection Hörmann meets the requirements of architects as well as construction companies and authorities. On this account Hörmann fire-rated doors are used in industrial and public buildings, apartment compounds, hospitals and at airports.



Hörmann residential doors are robust, secure, insulated and acoustic-rated.

Hörmann offers a broad variety of interior doors and sliding doors to match apartment doors, which can be equipped with various types of glazing or louvers.

On request Hörmann doors can be supplied in different beautiful RAL colours, panelled or in a range of attractive timber design made of German PVC film.



Create a Friendly Atmosphere

Choose From a Wide Range of Colours, Decograins and Panelled Door Styles

Granada Maple

Kings Oak

Golden Oak

Hungary Ash Cognac

Wallis Plum Natural

Meran Apple

Mahogany

Dark Mahogany

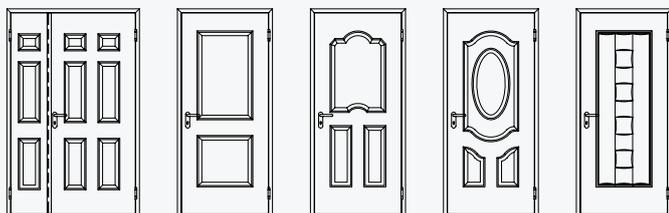
Horizontal Oak Dark



- High-grade environmentally friendly powder coating for more appealing aesthetics
- High quality foil coating creates a real wood look
- All surface finishes are exceptionally durable
- Choose the decorative finish that best matches your interior

A wide choice

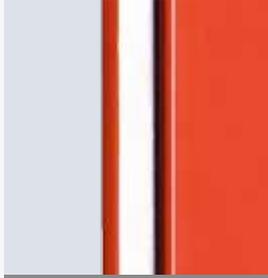
Besides a broad spectrum of colours and PVC designs, we also offer a wide range of panelled door styles for HAS/HAD-1/2 to suit your taste.



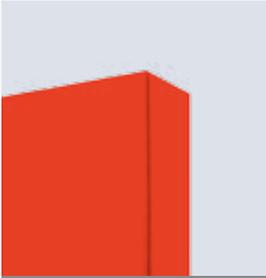
The colours and surface finishes illustrated are subject to the limitations of the printing process.



Block frame with seals



Fire-proof expansion strips



Flush



Rebated

Frame and seals:

Block frame is available as standard. PVC seals in the door frame groove ensure a quiet-closing function and provide tight sealing between the door leaf and frame.

Fire-proof expansion strips:

Fire-proof expansion strips on three sides provide perfect fire resistant characteristics. (Only for fire-rated doors)

Flush and rebated door leaf:

Hörmann offers apartment doors and interior doors with a choice of flush or rebated door leaves (see illustrations on left). A flush door leaf aligns with the frame, creating one smooth surface; a rebated door leaf overlies the frame covering the gap between the leaf and frame.

Attractive Standard Features



Heavy-duty hinges



3D adjustable hinges

Heavy-duty hinges:

(HC 60/120/240 BS/HMS)
Durable powder coated galvanized steel hinges, satisfying fire proofing requirements, suitable for ordinary and heavy usage locations.

3D adjustable hinges :

(HAS/HAD)
Powder coated galvanized steel 3D adjustable hinges, highly durable and adjustable in 3-dimensions, easy to fit.



Screwed in hinges



Stainless steel butterfly hinges

Screwed in hinges :

(ZKD)
Powder coated galvanized steel, strong, easy to use and durable.

Stainless steel butterfly hinges :

(ZKS)
Stainless steel: Elegant and reliable





Profile cylinder:

All fire-rated doors and interior doors equipped with profile cylinder according to DIN 18252.

Profile knob cylinder:

All apartment/multi-purpose doors can be equipped with knob cylinder according to German Standard DIN 18252.

Locks and handles:

Safe and reliable steel locks, manufactured to German Standard DIN 18250, black nylon D-110 handle set for ease of use.

Striking plates:

In stainless steel.



Profile cylinder



Profile knob cylinder



Locks and handles



Striking plates

Security bolts :

(HC 60/120/240 BS, HMS and HAS/HAD)
Security bolts on the hinge side provide extra security.

Integral internal latches :

(HC 60/120/240 BS, HMS and HAS/HAD)
Passive leaf, simultaneous locking at top and bottom.

Glazing :

The glazing profiles have a very slim design for sophisticated looks. They are supplied in galvanized steel and primed (powder coated) for fire-rated doors and in aluminum for interior doors as standard.

Detached hidden bolt bars :

(ZKS/ZKD)
Passive leaf with two high-quality detached hidden bolt bars.
Locking at top and bottom.



Security bolts



Integral internal latches



Glazing



Detached hidden bolt bars



HC 60 BS - 1/2

Fire-rated Door to British Standard

Standard Fittings

Door type	HC 60 BS - 1/2
Fire-insulated time in hours	1.0
Leaf thickness (mm)	62
Leaf steel thickness (mm)	0.8
Frame depth (mm)	114
Infill	Mineral wool

Security bolts

Single-leaf door	2
Double-leaf door	4

Glazing

Fire-proof glazing thickness (mm)	6
Max.area (m ²)	0.5

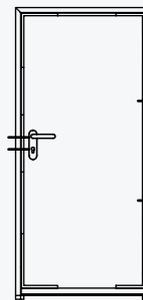
Top light

Max. height (mm)	500
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Door size

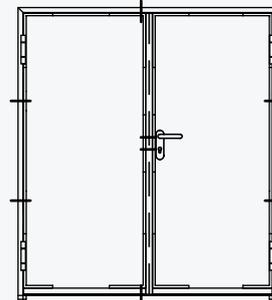
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



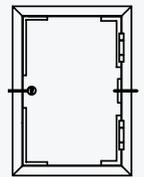
HC 60 BS-1

Double-leaf door



HC 60 BS-2

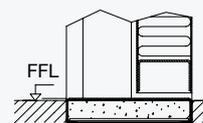
Fire hatch



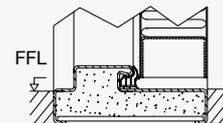
HC 60 BS T

Threshold:

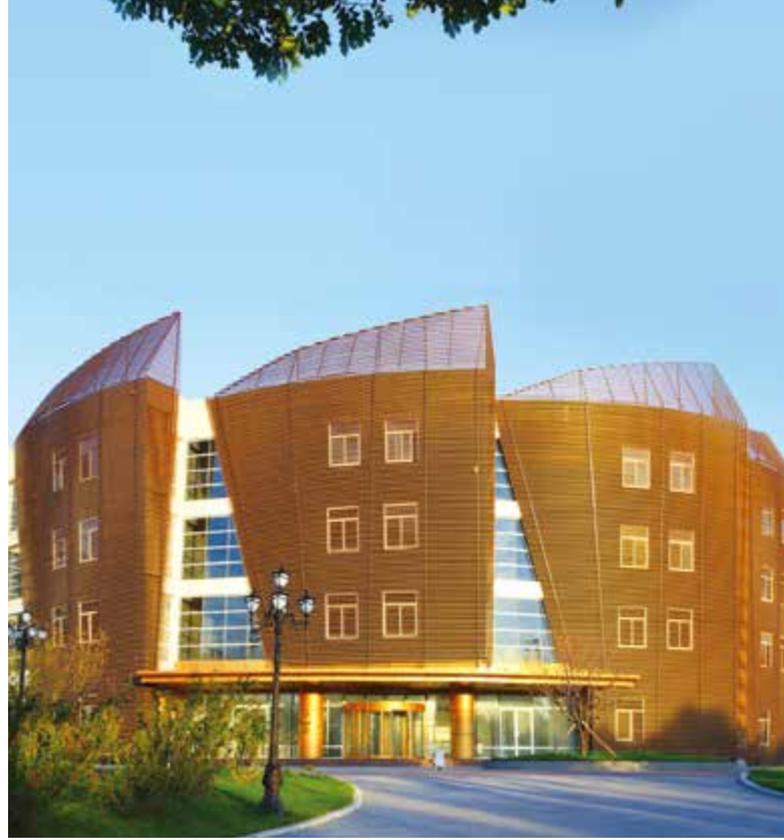
Threshold further more improve sound insulation.



Flush threshold made of satin stainless steel



Threshold with seal



HC 120 BS - 1/2

Fire-rated Door to British Standard

Standard Fittings

Door type	HC 120 BS - 1/2
Fire-insulated time in hours	2.0
Leaf thickness (mm)	62
Leaf steel thickness (mm)	0.8
Frame depth (mm)	114
Infill	Fire-proof board

Security bolts

Single-leaf door	2
Double-leaf door	4

Glazing

Fire-proof glazing thickness (mm)	6
Max.area (m ²)	0.5

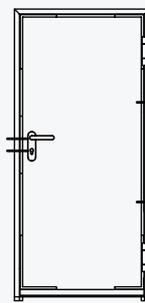
Top light

Max. height (mm)	500
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Door size

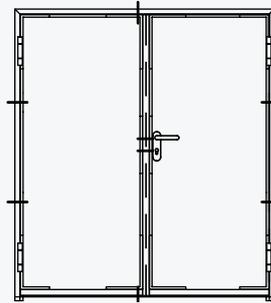
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



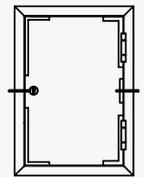
HC 120 BS-1

Double-leaf door



HC 120 BS-2

Fire hatch



HC 120 BS T

Sound insulation:

Single-leaf door: 38 dB

Double-leaf door: 37 dB

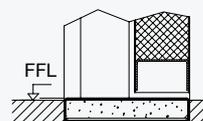
Thermal insulation:

Single-leaf door: 1.5 W/m²-K

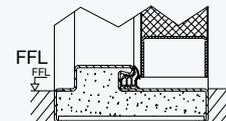
Double-leaf door: 1.9 W/m²-K

Threshold:

Threshold further more improve sound insulation.



Flush threshold made of satin stainless steel



Threshold with seal



HC 240 BS - 1/2

Fire-rated Door to British Standard

Standard Fittings

Door type	HC 240 BS - 1/2
Fire-insulated time in hours	4.0
Leaf thickness (mm)	62
Leaf steel thickness (mm)	1.0
Frame depth (mm)	114
Infill	Fire-proof board

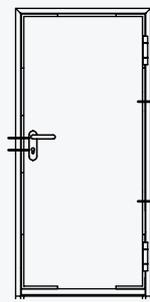
Security bolts

Single-leaf door	2
Double-leaf door	4

Door size

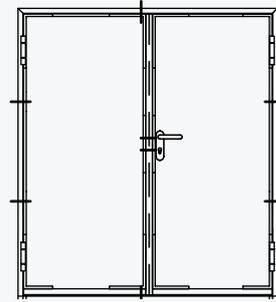
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



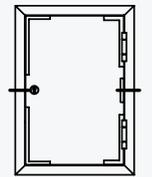
HC 240 BS-1

Double-leaf door



HC 240 BS-2

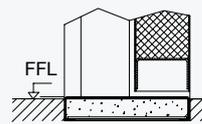
Fire hatch



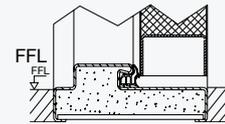
HC 240 BS T

Threshold:

Threshold further more improve sound insulation.



Flush threshold made of satin stainless steel



Threshold with seal

Glazing for fire-rated doors to British Standard HC 60/120 BS

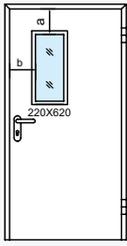


Fig. 1

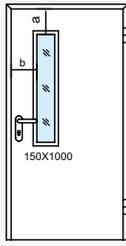


Fig. 2

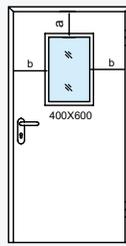
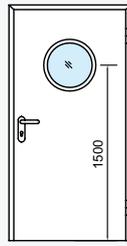
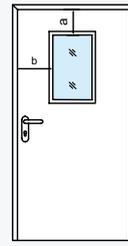


Fig. 3



Round glazing



Glazing to choose

No glazing and top light available for HC 240 BS !
 Please pay attention to the limit of glazing size dimension to leaf side
 top/left/right ≥ 200 mm, down ≥ 400 mm.
 The glass size can not surpass 0.5 m² for steel fire-rated doors to
 British standard.

	Height of door ≤ 2100 mm	Height of door > 2100 mm
a	= 200 mm	= H - 1900 mm
b	≥ 200 mm	≥ 200 mm

Round glazing diameter $\varnothing = 300$ mm

Optional Extras for Fire-rated Doors



Automatic door opener

High -quality, imported from Germany, ensuring the door open and close automatically through a special means of pushing button or scanning card.



Emergency exit locks and bars

Regardless of whether single- or double-leaf doors are involved, a variety of emergency exit locks and bars are available, ensuring the safety of emergency exits.



Cable transfer

Applied for the door guard system . Installed between door leaf and door frame to protect the cable of door guard system which needs to cross the door leaf to door frame.



Door selector for double-leaf doors

Door selectors are installed for double-leaf doors to ensure that the two door leaves are closing in the right sequence.



Door closer

Depending on requirements a high quality door closer may be installed, ensuring a smoother closing action.



HAS/HAD - 1/2

Apartment Door

Standard Fittings

Door type	HAS/HAD - 1/2
Leaf thickness (mm)	50
Leaf steel thickness (mm)	0.8
Frame depth (mm)	114
Infill	Mineral wool

Security bolts

Single-leaf door	2
Double-leaf door	4

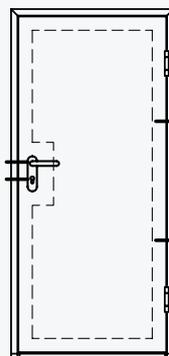
Door size (HAS)

	Width	Height
Single-leaf door (mm)	600 - 1300	1000 - 2500
Double-leaf door (mm)	1000 - 2500	1000 - 2500

Door size (HAD)

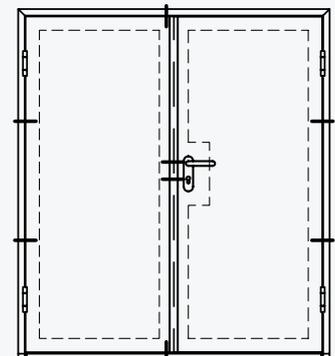
	Width	Height
Single-leaf door (mm)	400 - 1300	1000 - 2500
Double-leaf door (mm)	1000 - 2500	1000 - 2500

Single-leaf door



HAS/HAD-1

Double-leaf door



HAS/HAD-2

Door leaf with continuous reinforcement

Steel frame construction gives the door a very high degree of stability.

Security bolts

Security bolts protect the door against forced opening.

Acoustic and thermal insulation as an option

Apartment Doors can easily be acoustic-rated and thermally insulated by using a retractable bottom seal or threshold with seal.

Sound insulation value: 33-34 dB

Thermal insulation value: 1.7-1.8 W/m²·K

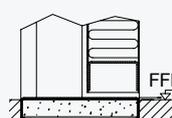
(all values are laboratory values with sealed threshold)



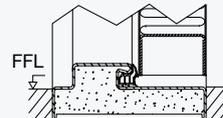
HAS



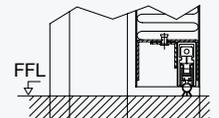
HAD



Flush threshold made of satin stainless steel



Threshold with seal



Retractable bottom seal



HMS - 1/2

Multi-purpose Door

Standard Fittings

Door type	HMS - 1/2	
Leaf thickness (mm)	50	
Leaf steel thickness (mm)	0.8	
Frame depth (mm)	114	
Infill	Mineral wool/ paper honeycomb	

Security bolts

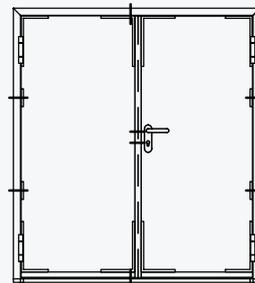
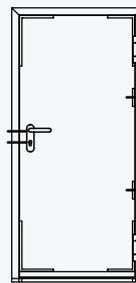
Single-leaf door	2	
Double-leaf door	4	

Door size

	Width	Height
Single-leaf door (mm)	600 - 1500	1600 - 3000
Double-leaf door (mm)	1000 - 3000	1600 - 3000

Single-leaf door

Double-leaf door



HMS-1

HMS-2

Sound insulation:

Single-leaf door: 33 dB

Double-leaf door: 33 dB

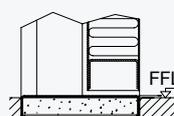
Thermal insulation:

Single-leaf door: 1.7 W/m²-K

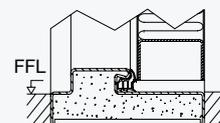
Double-leaf door: 2.1 W/m²-K

Threshold:

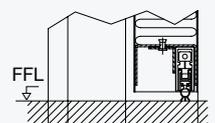
Three versions of thresholds can be delivered on request. Furthermore, threshold improves sound insulation.



Flush threshold
made of satin
stainless steel



Threshold with seal



Retractable bottom seal



ZKS/ZKD - 1/2

Interior Door

Standard Fittings

Door type	ZKS/ZKD - 1/2	
Leaf thickness (mm)	40	
Leaf steel thickness (mm)	0.6	
Frame depth (mm)	114	
Infill	Paper honeycomb	

Door size (ZKS)

	Width	Height
Single-leaf door (mm)	400 - 1300	1000 - 2500
Double-leaf door (mm)	1000 - 2500	1000 - 2500

Door size (ZKD)

	Width	Height
Single-leaf door (mm)	400 - 1300	1000 - 2500
Double-leaf door (mm)	1000 - 2500	1000 - 2500

Door leaf

To enhance structural strength, these doors feature a close-meshed honeycomb insert glued to two galvanized steel sheets.

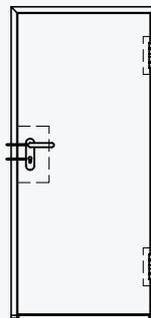


ZKS



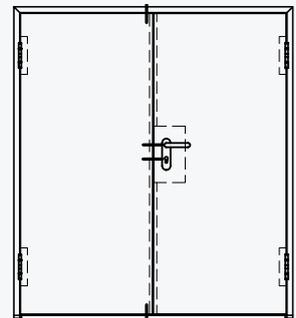
ZKD

Single-leaf door



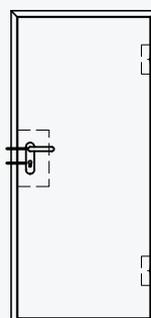
ZKS-1

Double-leaf door



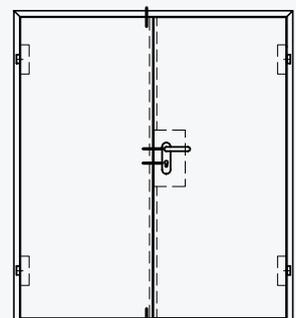
ZKS-2

Single-leaf door



ZKD-1

Double-leaf door



ZKD-2

Acoustic and thermal insulation as an option

Interior doors can easily be acoustic-rated and thermally insulated by using a retractable bottom seal or threshold with seal.

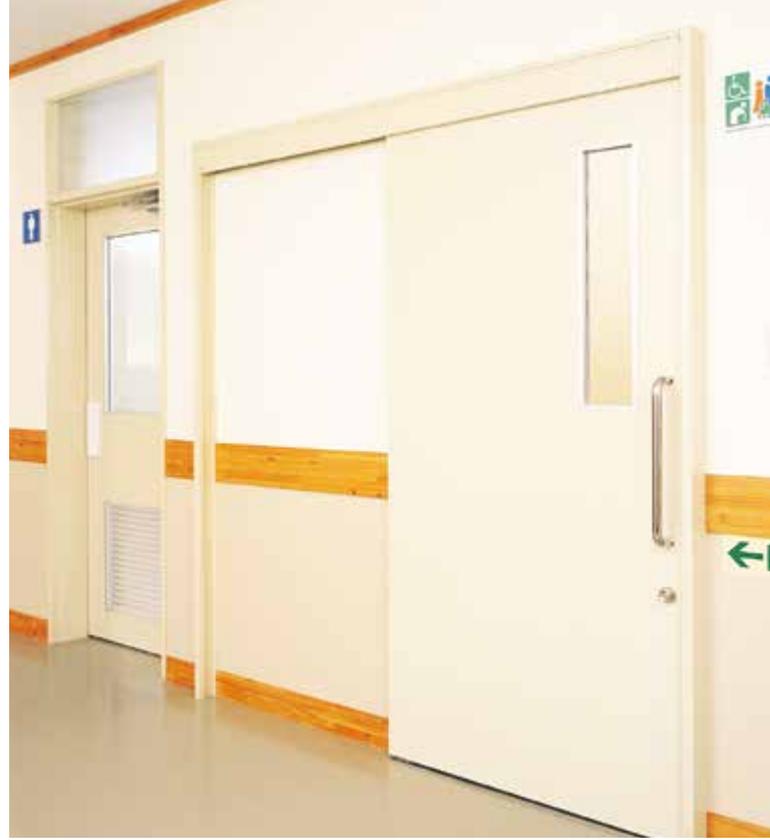
ZKS: Sound insulation value: 32 dB

Thermal insulation value: 3.0 W/m²-K

ZKD: Sound insulation value: 31 dB

Thermal insulation value: 3.0 W/m²-K

(all values are laboratory values for interior doors with sealed threshold)



HT-1/2

Sliding Door

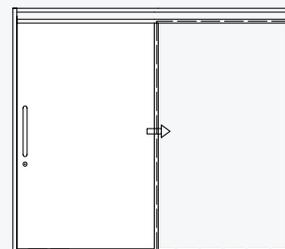
Standard Fittings

Door type	HT-1/2	
Leaf thickness (mm)	30	
Leaf steel thickness (mm)	0.6 or 0.8	
Frame steel thickness (mm)	1.5	
Frame depth (mm)	80-400	
Infill	Paper honeycomb	
Closing equipment	Automatic closing device system with buffer	

Door size

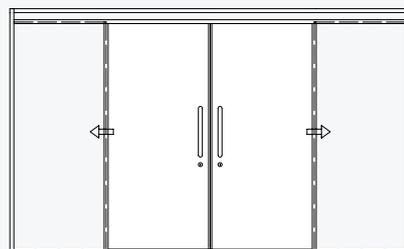
	Min. (w x h)	Max. (w x h)
Single-leaf door (mm)	800 x 1800	1500 x 2500
Double-leaf door (mm)	1600 x 1800	3000 x 2500

Single-leaf door



HT-1

Double-leaf door



HT-2



The stainless steel handle is high quality.



The breaking device and driving device unit guarantee that the door leaf runs quieter, safer and smoother.



The unique design of the rubber of the door leaf provides effective sealing between leaf and frame. Additionally the seal lets the door close quietly.



The bottom-guiding wheel is simply structured and easy to install. This high-grade material guarantees a smooth move and prevents the abrasion of the door leaf.

Glazing for HMS, HAS/HAD, ZKS/ZKD

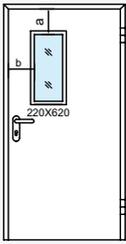


Fig. 1

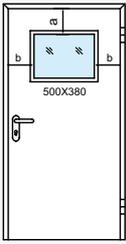


Fig. 4

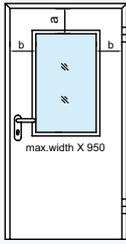


Fig. 5

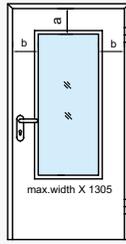
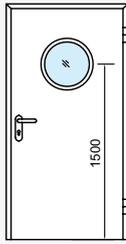
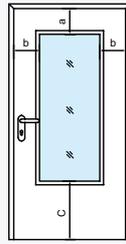


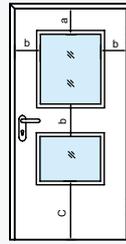
Fig. 6



Round glazing

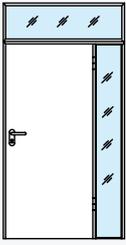


Glazing to choose

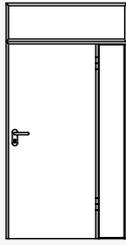


	Opening height ≤ 2100 mm	Opening height > 2100 mm
a	200 mm	Height - 1900 mm
b	≥ 200 mm	≥ 200 mm
c	≥ 400 mm	≥ 400 mm

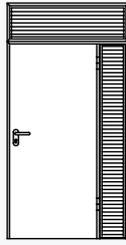
Top/side elements for HMS, HAS/HAD and ZKS/ZKD



Top/side light

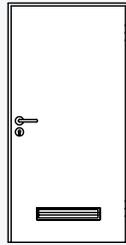


Top/side panel

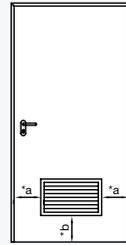


Top/side steel louver
only for HMS

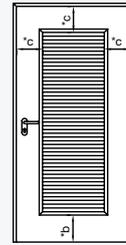
Louver for HMS, ZKS/ZKD and HAS/HAD



Plastic for ZKS/ZKD



Steel
for HMS and HAS/HAD



*a ≥ 150 mm
*b ≥ 200 mm
*c ≥ 200 mm

Optional Extras



Spy hole
 $\varnothing 15$ mm



Electric strike
A simple and practical device,
guaranteeing safety while being
easy to operate.



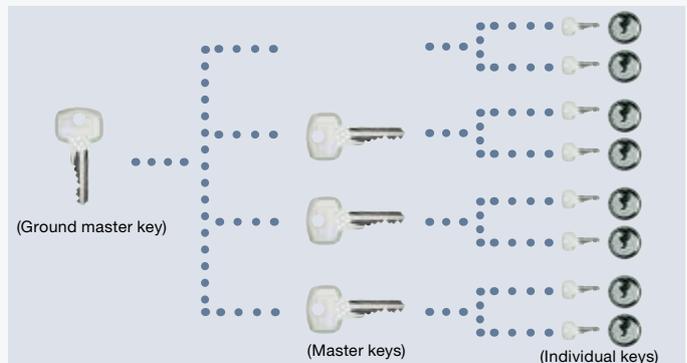
Special locking system
Magnet card lock can also be
supplied on request.



Drill-proof handle sets
Drill-proof handle sets
according to DIN 18257.



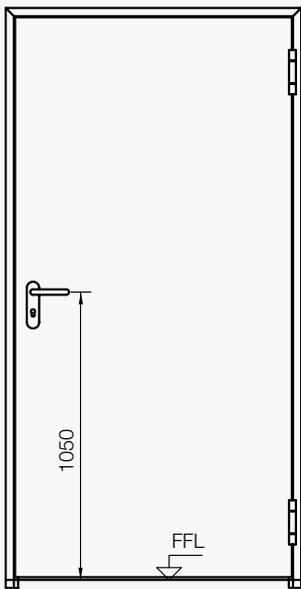
Handel set
Stainless steel and aluminium handle sets with D-110, D-310 and D-410 can be offered on request.



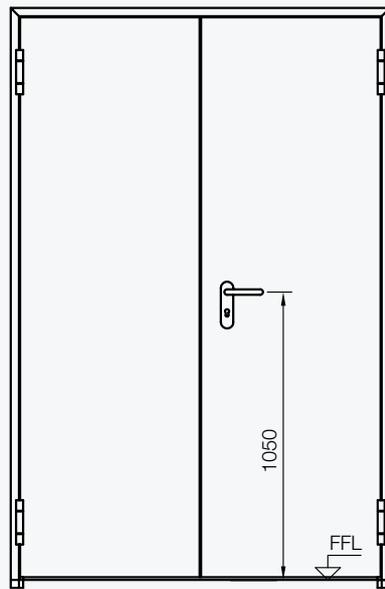
Master key system
In a master key system, the main key opens all the locks in the system although each lock has its own unique key. The size of the master key system can be supplied on request.

Fire-rated Doors to British Standard HC 60/120/240 BS

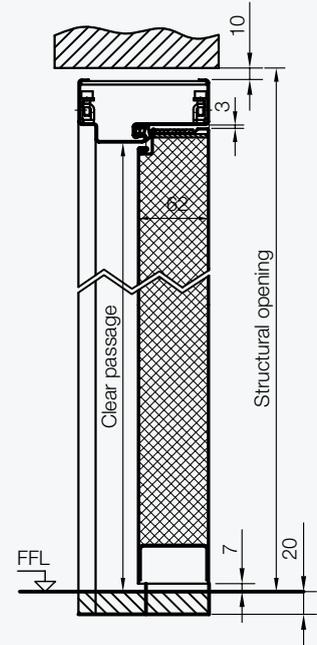
Technical Data and Size Range



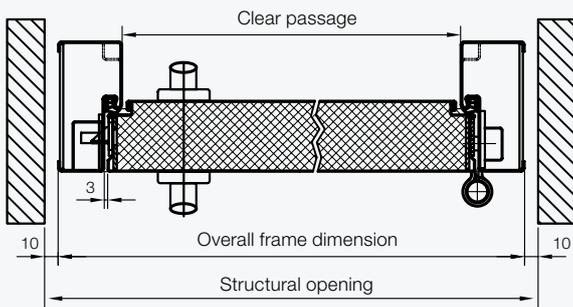
Single-leaf door



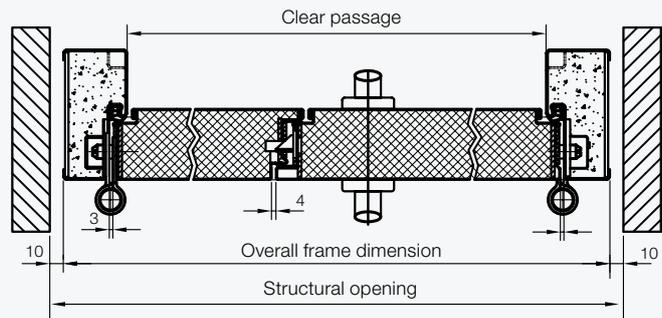
Double-leaf door



Vertical section



Horizontal section
HC 60/120/240 BS-1 flush single-leaf door



Horizontal section
HC 60/120/240 BS-2 flush double-leaf door

Standard size range

	Structural opening order size width x height	Overall frame dimension * width x height	Clear passage width x height
Single-leaf door	900 x 2100	880 x 2090	770 x 2035
	900 x 2200	880 x 2190	770 x 2135
	900 x 2400	880 x 2390	770 x 2335
	1000 x 2100	980 x 2090	870 x 2035
	1000 x 2200	980 x 2190	870 x 2135
	1000 x 2400	980 x 2390	870 x 2335
	1100 x 2200	1080 x 2190	970 x 2135
	1100 x 2400	1080 x 2390	970 x 2335
	1200 x 2200	1180 x 2190	1070 x 2135
Double-leaf door	1200 x 2100	1180 x 2090	1070 x 2035
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
	1500 x 2100	1480 x 1090	1370 x 2035
	1500 x 2200	1480 x 2190	1370 x 2135
	1500 x 2400	1480 x 2390	1370 x 2335
	2000 x 2100	1980 x 2090	1870 x 2035
	2000 x 2200	1980 x 2190	1870 x 2135
	2000 x 2400	1980 x 2390	1870 x 2335
	2200 x 2200	2180 x 2190	2070 x 2135
2200 x 2400	2180 x 2390	2070 x 2335	

* Not including recessment

Opening direction

Single-leaf



LH hinge

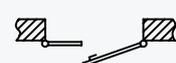


RH hinge

Double-leaf



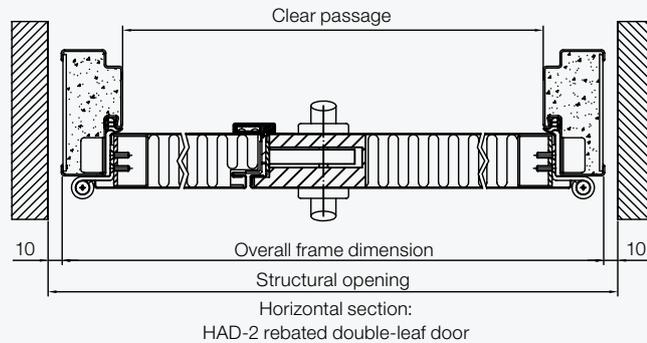
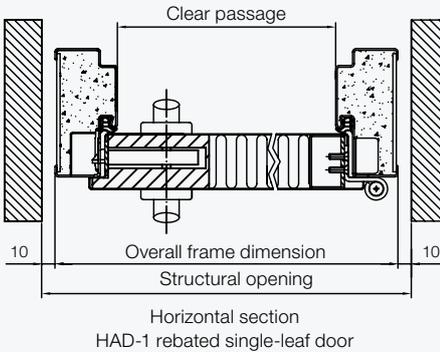
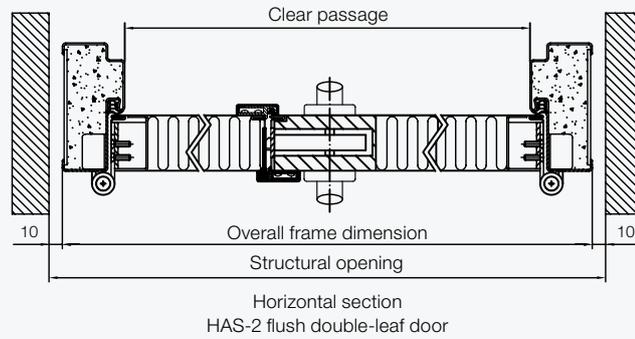
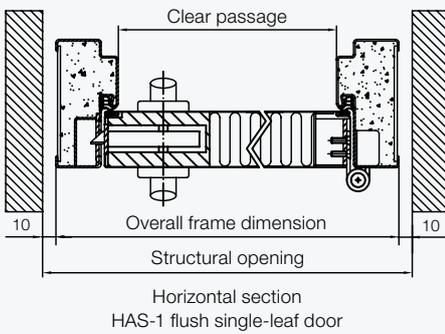
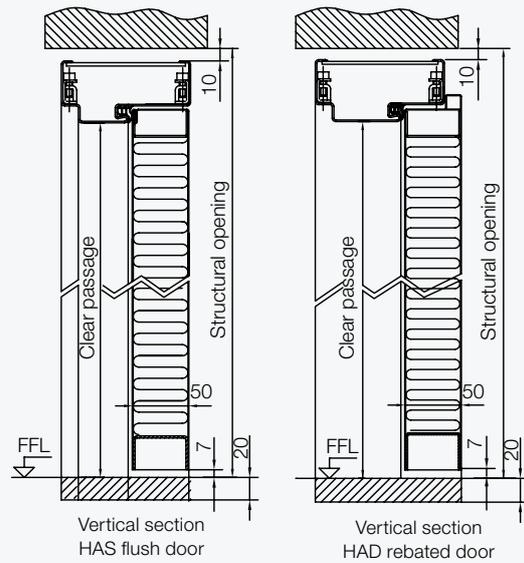
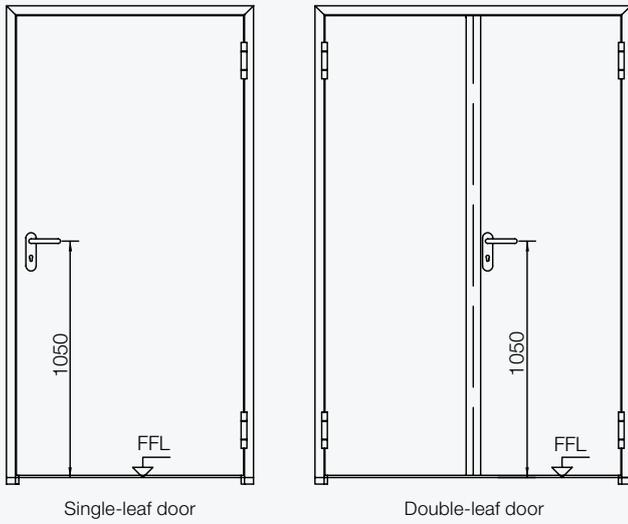
LH hinge



RH hinge

Apartment Doors HAS/HAD

Technical Data and Size Range



Standard size range

	Structural opening order size width x height	Overall frame dimension * width x height	Clear passage width x height
Single-leaf door	900 x 2100	880 x 2090	770 x 2035
	900 x 2200	880 x 2190	770 x 2135
	900 x 2400	880 x 2390	770 x 2335
	1000 x 2100	980 x 2090	870 x 2035
	1000 x 2200	980 x 2190	870 x 2135
	1000 x 2400	980 x 2390	870 x 2335
	1100 x 2200	1080 x 2190	970 x 2135
	1100 x 2400	1080 x 2390	970 x 2335
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
Double-leaf door	1200 x 2100	1180 x 2090	1070 x 2035
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
	1500 x 2100	1480 x 2090	1370 x 2035
	1500 x 2200	1480 x 2190	1370 x 2135
	1500 x 2400	1480 x 2390	1370 x 2335
	2000 x 2100	1980 x 2090	1870 x 2035
	2000 x 2200	1980 x 2190	1870 x 2135
	2000 x 2400	1980 x 2390	1870 x 2335
	2200 x 2200	2180 x 2190	2070 x 2135
	2200 x 2400	2180 x 2390	2070 x 2335

* Not including recessment

Opening direction

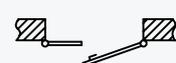
Single-leaf

Double-leaf



LH hinge

LH hinge

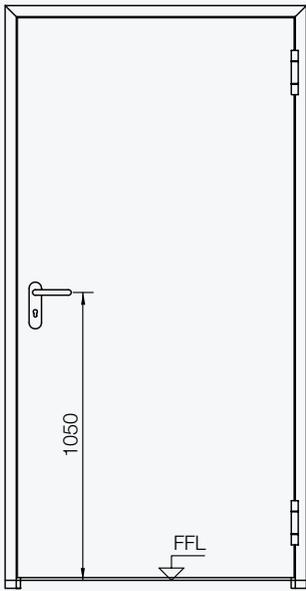


RH hinge

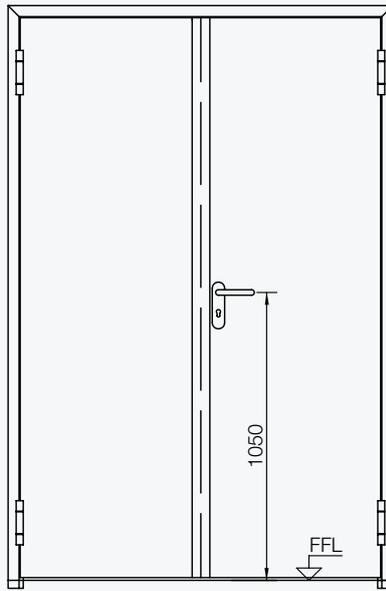
RH hinge

Multi-purpose Doors HMS

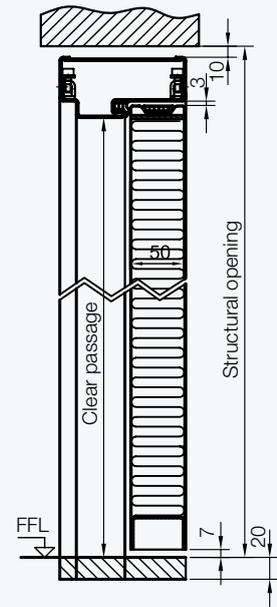
Technical Data and Size Range



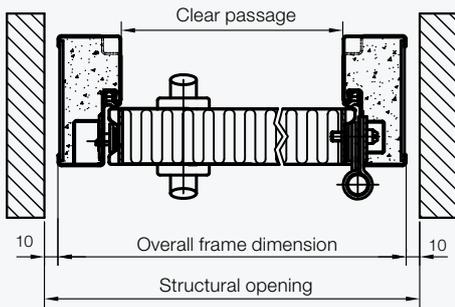
Single-leaf door



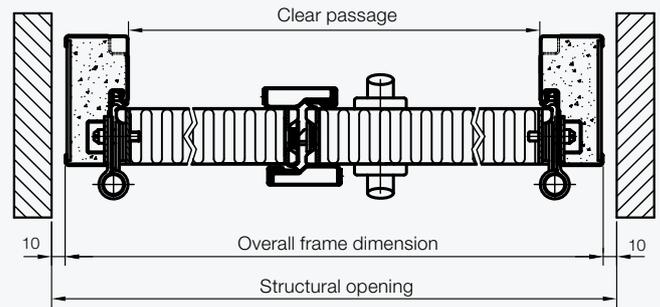
Double-leaf door



Vertical section



Horizontal section
HMS-1 single-leaf door



Horizontal section
HMS-2 double-leaf door

Standard size range

	Structural opening order size width x height	Overall frame dimension * width x height	Clear passage width x height
Single-leaf door	900 x 2100	880 x 2090	770 x 2035
	900 x 2200	880 x 2190	770 x 2135
	900 x 2400	880 x 2390	770 x 2335
	1000 x 2100	980 x 2090	870 x 2035
	1000 x 2200	980 x 2190	870 x 2135
	1000 x 2400	980 x 2390	870 x 2335
	1100 x 2200	1080 x 2190	970 x 2135
	1100 x 2400	1080 x 2390	970 x 2335
	1200 x 2200	1180 x 2190	1070 x 2135
Double-leaf door	1200 x 2400	1180 x 2390	1070 x 2335
	1200 x 2100	1180 x 2090	1070 x 2035
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
	1500 x 2100	1480 x 1090	1370 x 2035
	1500 x 2200	1480 x 2190	1370 x 2135
	1500 x 2400	1480 x 2390	1370 x 2335
	2000 x 2100	1980 x 2090	1870 x 2035
	2000 x 2200	1980 x 2190	1870 x 2135
	2000 x 2400	1980 x 2390	1870 x 2335
2200 x 2200	2180 x 2190	2070 x 2135	
2200 x 2400	2180 x 2390	2070 x 2335	

* Not including recessment

Opening direction

Single-leaf



LH hinge

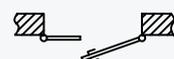


RH hinge

Double-leaf



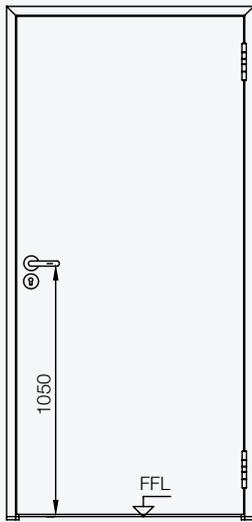
LH hinge



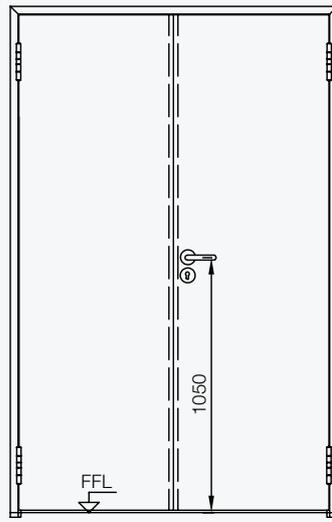
RH hinge

Interior Doors ZKS/ZKD

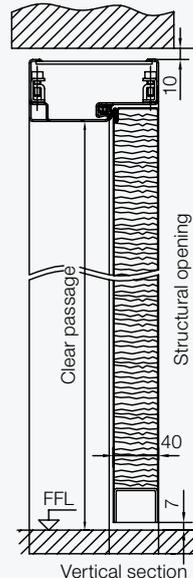
Technical Data and Size Range



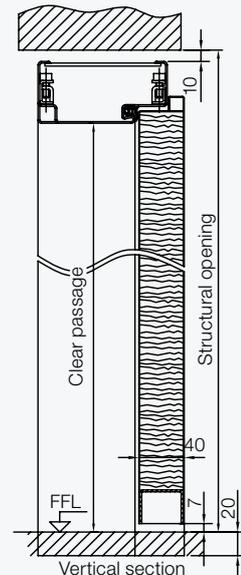
Single-leaf door



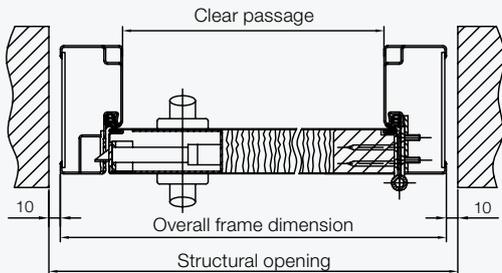
Double-leaf door



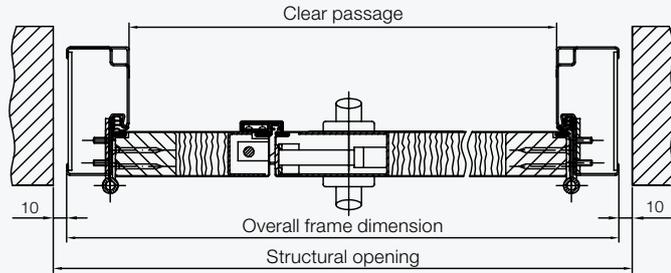
Vertical section
ZKS flush door



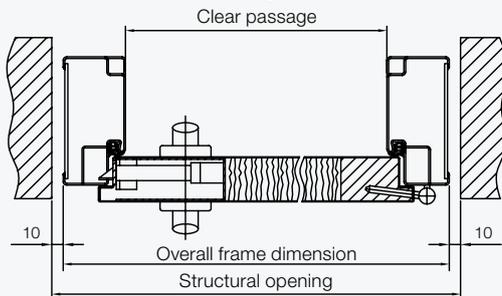
Vertical section
ZKD rebated door



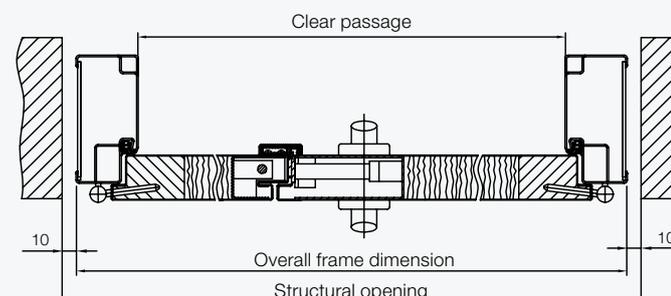
Horizontal section
ZKS-1 flush single-leaf door



Horizontal section
ZKS-2 flush double-leaf door



Horizontal section
ZKD-1 rebated single-leaf door



Horizontal section
ZKD-2 rebated double-leaf door

Standard size range

	Structural opening order size width x height	Overall frame dimension * width x height	Clear passage width x height
Single-leaf door	750 x 2100	730 x 2090	620 x 2035
	750 x 2200	730 x 2190	620 x 2135
	800 x 2100	780 x 2090	670 x 2035
	800 x 2200	780 x 2190	670 x 2135
	800 x 2400	880 x 2090	770 x 2035
	900 x 2200	880 x 2190	770 x 2135
	900 x 2400	880 x 2390	770 x 2335
	1000 x 2100	980 x 2090	870 x 2035
	1000 x 2200	980 x 2190	870 x 2135
	1000 x 2400	980 x 2390	870 x 2335
	1100 x 2200	1080 x 2190	970 x 2135
	1100 x 2400	1080 x 2390	970 x 2335
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
Double-leaf door	1200 x 2100	1180 x 2090	1070 x 2035
	1200 x 2200	1180 x 2190	1070 x 2135
	1200 x 2400	1180 x 2390	1070 x 2335
	1500 x 2100	1480 x 1090	1370 x 2035
	1500 x 2200	1480 x 2190	1370 x 2135
	1500 x 2400	1480 x 2390	1370 x 2335
	2000 x 2100	1980 x 2090	1870 x 2035
	2000 x 2200	1980 x 2190	1870 x 2135
	2000 x 2400	1980 x 2390	1870 x 2335
	2200 x 2200	2180 x 2190	2070 x 2135
	2200 x 2400	2180 x 2390	2070 x 2335

* Not including recessment

Opening direction

Single-leaf



LH hinge

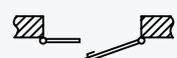


RH hinge

Double-leaf



LH hinge



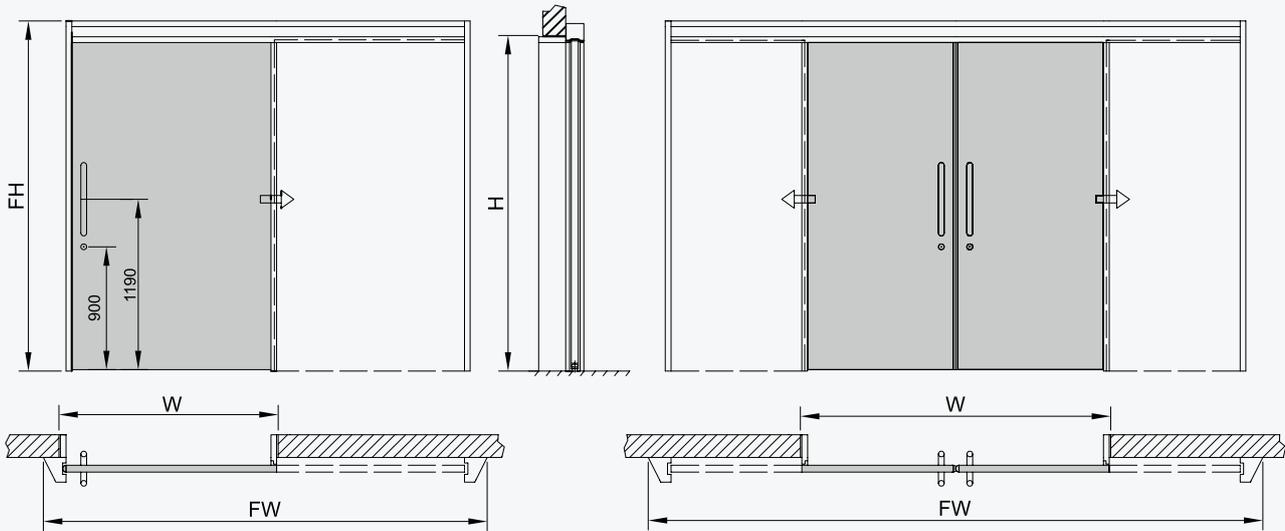
RH hinge

Sliding Doors HT

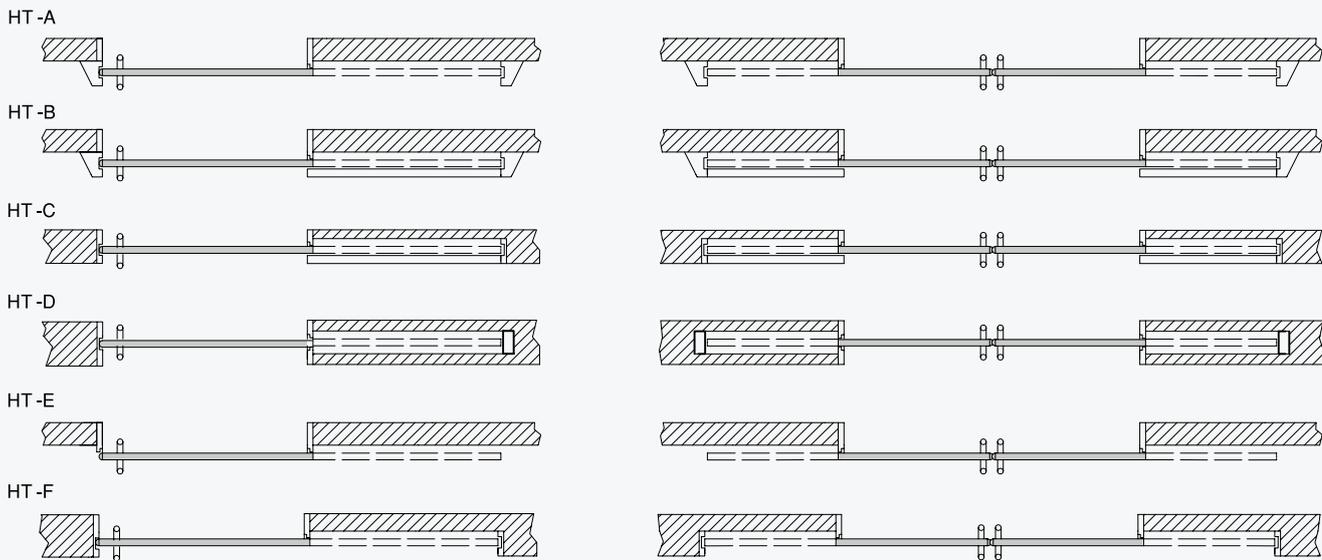
Technical Data and Size Range

Single-leaf Door

Double-leaf Door



Installation Type



Standard size range

	Structural opening ordering size width x height (W x H)	Overall frame dimension width x height	Clear passage width x height
Single-leaf door	800 x 2100	1555 x 2210	575 x 2060
	800 x 2200	1555 x 2310	575 x 2160
	1000 x 2200	1955 x 2310	775 x 2160
	1200 x 2200	2355 x 2310	975 x 2160
	1200 x 2400	2355 x 2510	975 x 2360
	1300 x 2200	2355 x 2310	1075 x 2160
	1500 x 2200	2955 x 2510	1275 x 2160
Double-leaf door	1500 x 2400	2955 x 2510	1275 x 2360
	1600 x 2100	3056 x 2210	1240 x 2060
	1600 x 2200	3056 x 2310	1240 x 2160
	2000 x 2200	3856 x 2310	1640 x 2160
	2000 x 2400	3856 x 2510	1640 x 2360
	2200 x 2200	4256 x 2310	1840 x 2160
	2200 x 2400	4256 x 2510	1840 x 2360
	2400 x 2200	4656 x 2310	2040 x 2160
	2400 x 2400	4656 x 2510	2040 x 2360

Opening direction



LH hinge

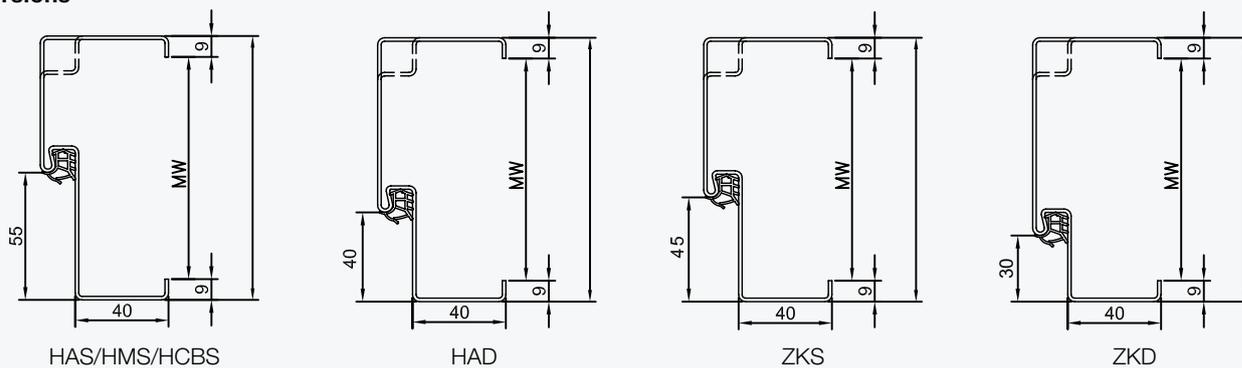


RH hinge

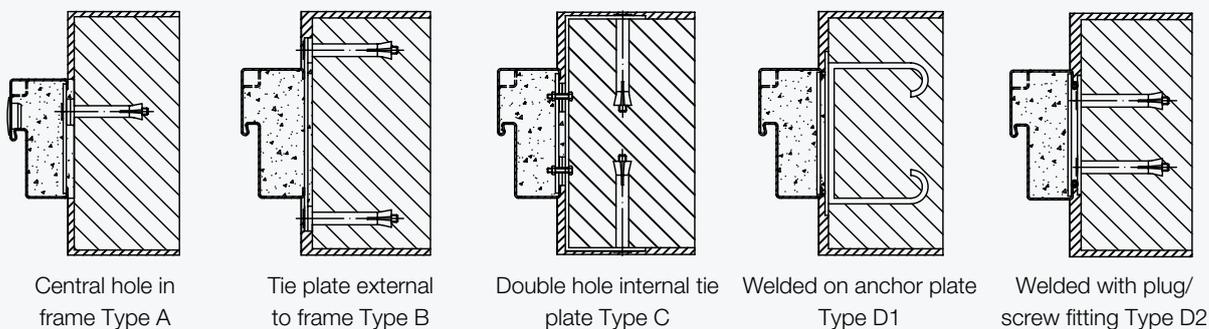
- W = Opening size width
- H = Opening size height
- FW = Overall frame dimension width
- FH = Overall frame dimension height

Frame Types and Fitting Situations

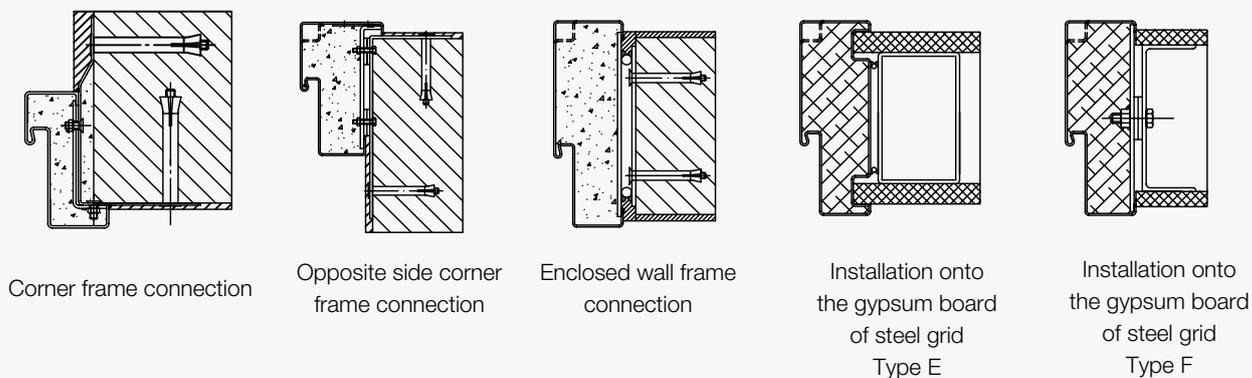
Frame versions



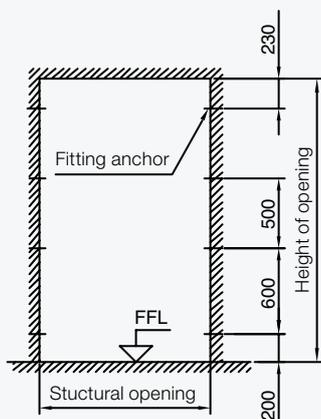
Types of fixing concrete block/brick walls



Application examples concrete block/brick and special types of walls

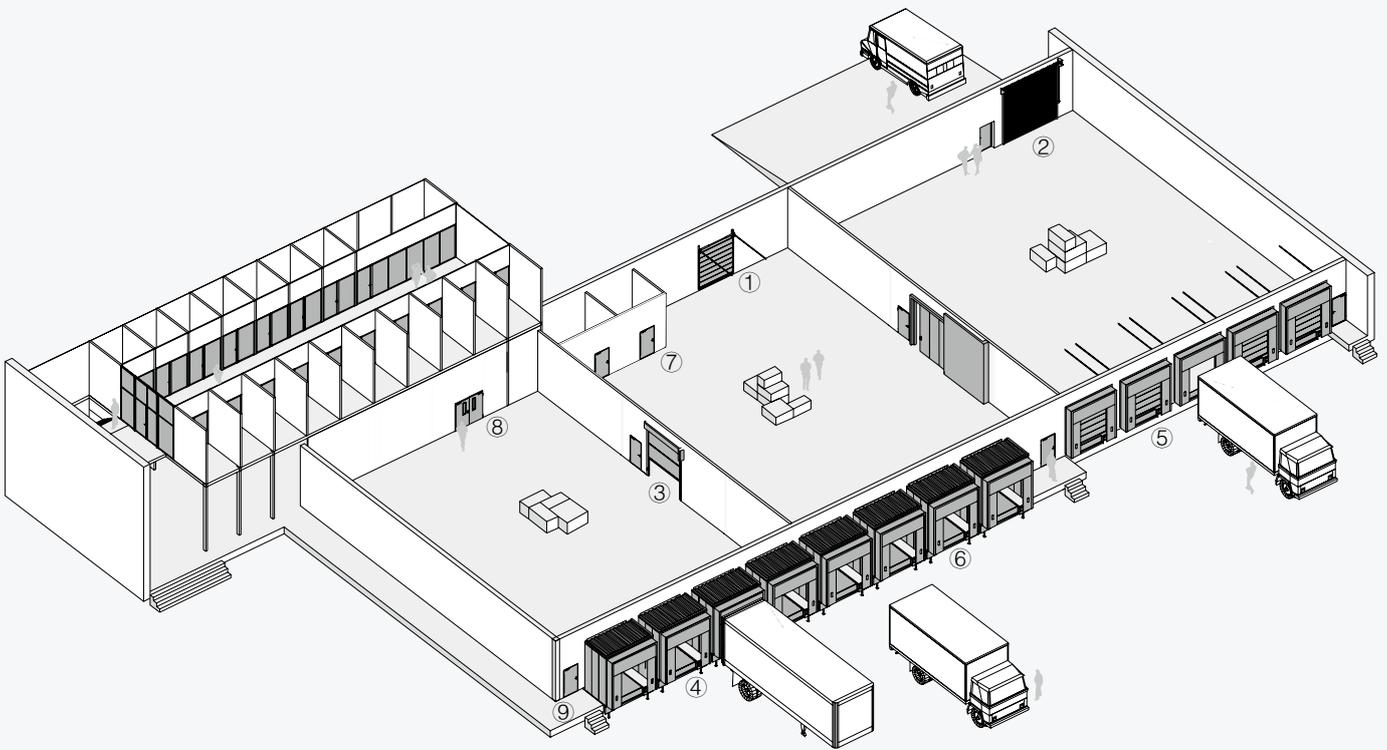


Spacing of anchors



- Note:
- When installing preinserts in light walls, dimensions must be calculated from the final floor level, after which the installer should first fix the preinserts (iron angle, wood block keel, or concrete block).
 - Please consult technician for the position of preinserts if top/side elements are applied.
 - Please consult technician for the position of preinserts if the structural opening height is over 2500 mm.

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⑤ Dock Shelters



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⑦ Interior Doors



⑧ Fire-rated Doors (British Standard)



⑨ Multi-purpose Doors

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GARAGE DOORS

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DOORS

PARTITION WALLS

INDUSTRIAL DOORS

LOADING TECHNOLOGY

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Some of the doors shown in this brochure have special features and therefore do not always represent the standard version.