

// Certified in accordance with British Standard



Steel Doors for all Applications

Top Quality, Durability, Safety, Security





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.



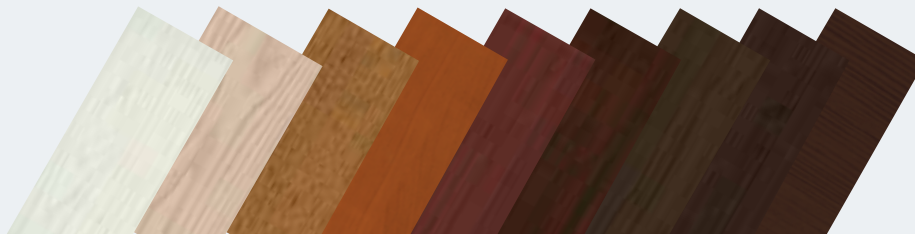
Hörmann products are manufactured strictly according to the Chinese Quality Management System GB/T19001-2008 idt ISO 9001:2008 and Chinese Environmental Management System ISO14001:2004



Create a Friendly Atmosphere

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

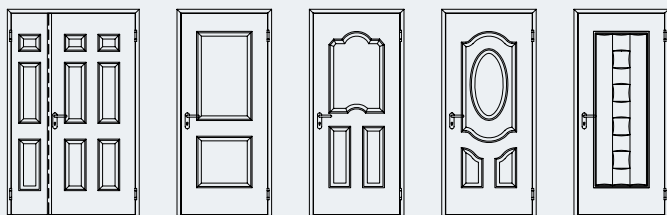
White Ash Grey Ash French Oak Italian Cherry Mahogany Dark Mahogany Dark Sandalwood Linea Tabac Horizontal Oak Dark



- 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 HC 60 BS-1/2, HAS/HAD-1/2 to suit your taste.



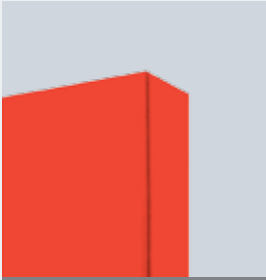
The colours and surface finishes illustrated are subject to the limitations of the printing process.



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)

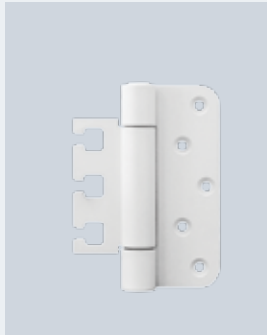
Flush and rebated door leaf:

Hörmann offers apartment doors and internal 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/HM)
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 internal 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, HM and HAS/HAD)
Security bolts on the hinge side provide extra security.

Integral internal latches :

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

Glazing :

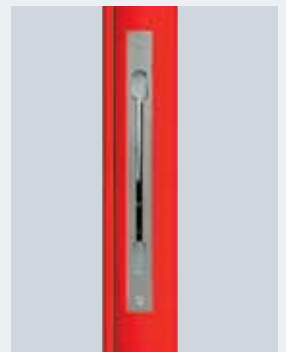
The glazing profiles have a very slim design for sophisticated looks. They are supplied in galvanized steel and primed (powder coated) for fire-rated doors and in aluminum for internal doors as standard.

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

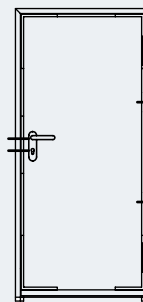
Top light

Max. height (mm)	500
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Door size

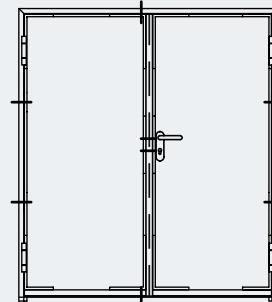
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



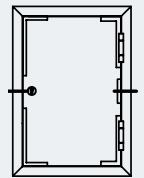
HC 60 BS-1

Double-leaf door



HC 60 BS-2

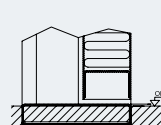
Fire hatch



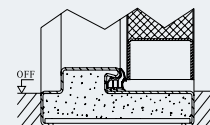
HC 60 BS T

Threshold:

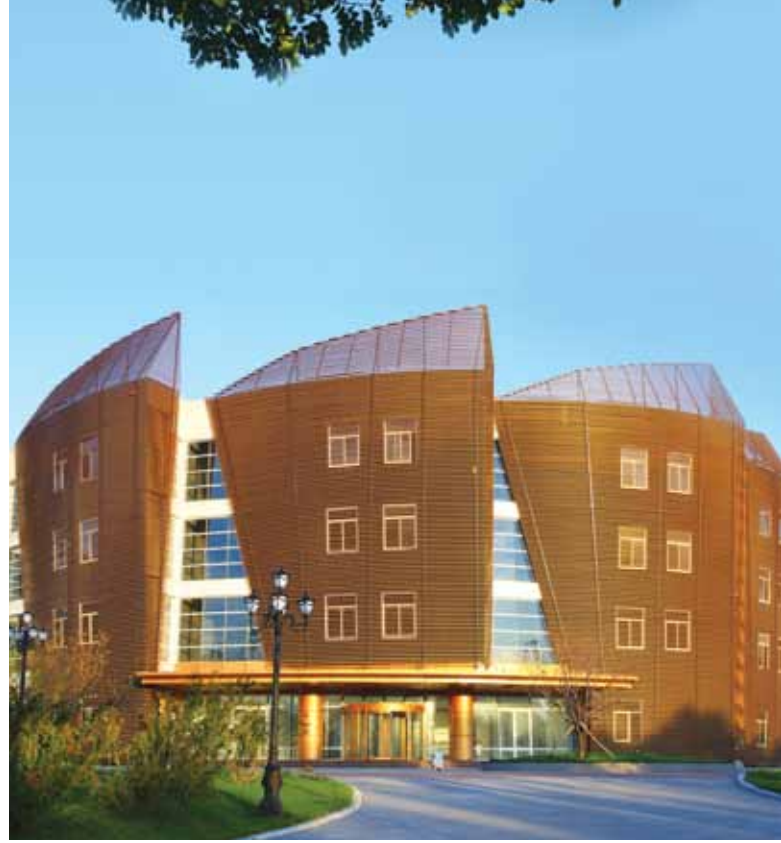
Threshold further more improve sound insulation.



Threshold flat



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

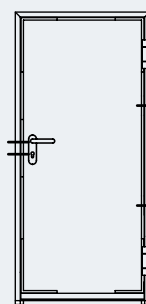
Top light

Max. height (mm)	500
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Door size

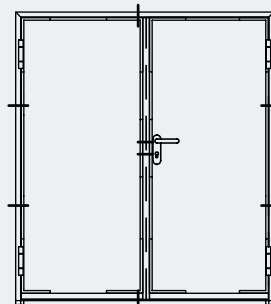
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



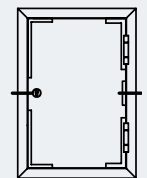
HC 120 BS-1

Double-leaf door



HC 120 BS-2

Fire hatch



HC 120 BS T

Sound insulation:

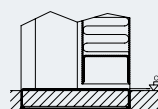
Single-leaf door: 38 dB
 Double-leaf door: 37 dB

Thermal insulation:

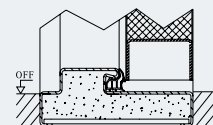
Single-leaf door: 1.5 W/m²/K
 Double-leaf door: 1.9 W/m²/K

Threshold:

Threshold further more improve sound insulation.



Threshold flat



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

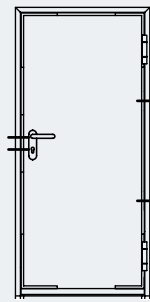
Security bolts

Single-leaf door	2
Double-leaf door	4

Door size

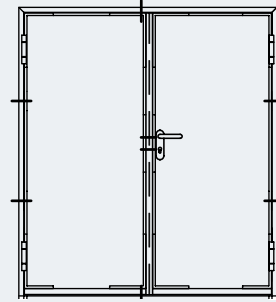
	Width	Height
Single-leaf door (mm)	600 - 1300	820 - 3000
Double-leaf door (mm)	1000 - 2500	820 - 3000

Single-leaf door



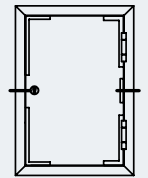
HC 240 BS-1

Double-leaf door



HC 240 BS-2

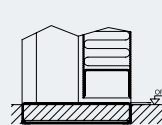
Fire hatch



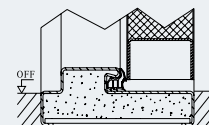
HC 240 BS T

Threshold:

Threshold further more improve sound insulation.



Threshold flat



Threshold with seal

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

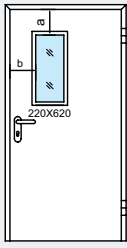


Fig. 1

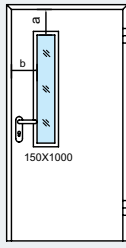


Fig. 2

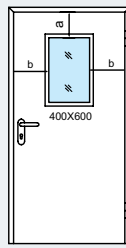
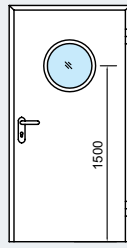
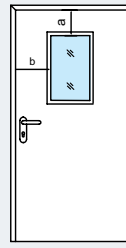


Fig. 3



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



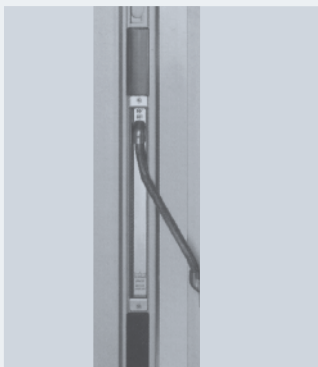
Automatic door opener

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



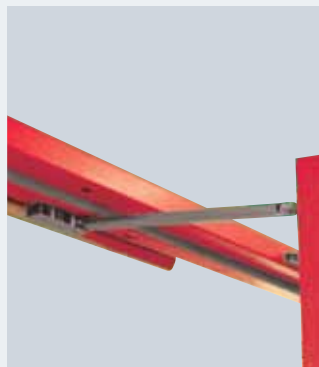
Emergency exit locks and bars

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.

Glazing for HM, HAS/HAD, ZKS/ZKD and HT

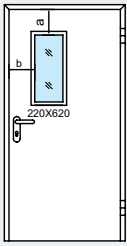


Fig. 1

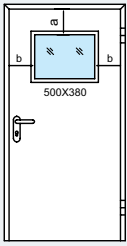


Fig. 4

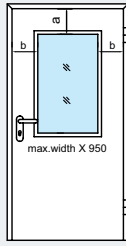


Fig. 5

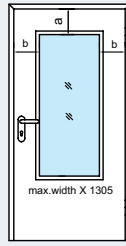
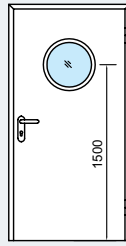
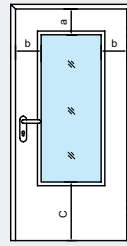


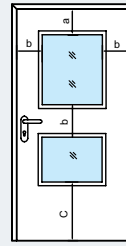
Fig. 6



Round glazing

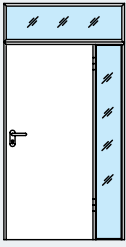


Glazing to choose

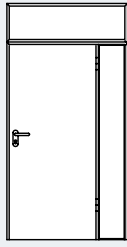


	Opening height ≤ 2100 mm	Opening height > 2100 mm
a	200 mm	Height - 1900 mm
b	≥ 200 mm	≥ 200 mm
c	≥ 400 mm	≥ 400 mm

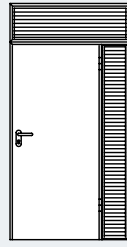
Top/side elements for HM, HAS/HAD and ZKS/ZKD



Top/side light

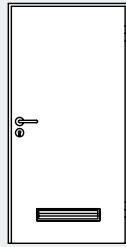


Top/side panel

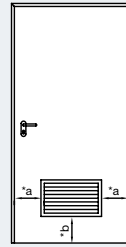


Top/side steel louver
only for HM

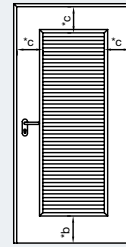
Louver for HM and ZKS/ZKD



Plastic for ZKS/ZKD

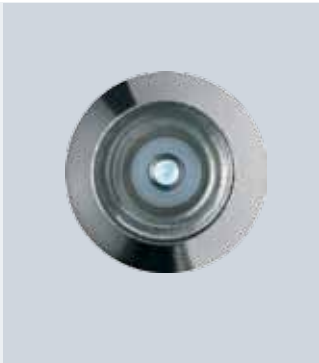


Steel
only for HM



*a ≥ 150 mm
*b ≥ 200 mm
*c ≥ 200 mm

Optional Extras



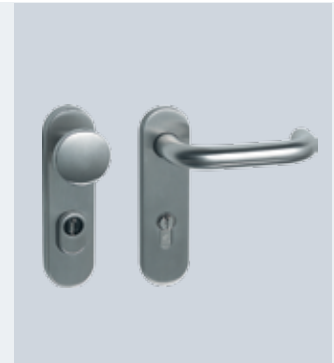
Spy hole
Ø 15 mm



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



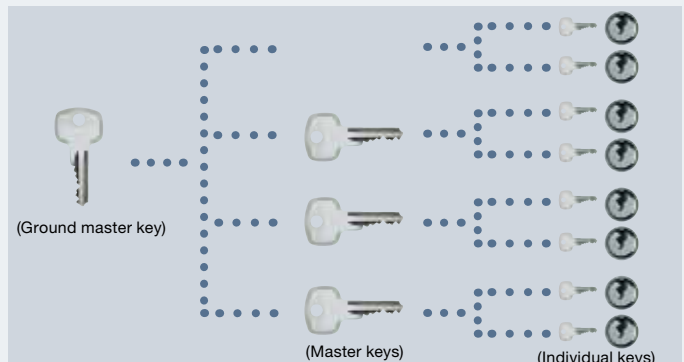
Special locking system
Magnet card lock can also be
supplied on request.



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



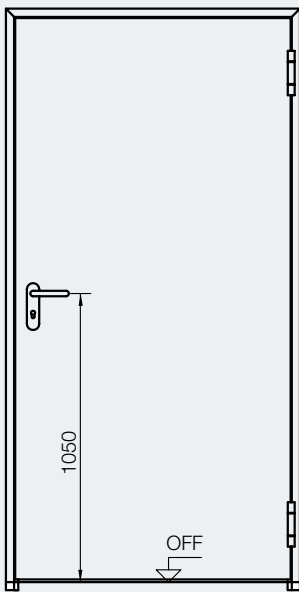
Handel set
Stainless steel and aluminium handle sets with D-110, D-310 and D-410 can be offered on request.



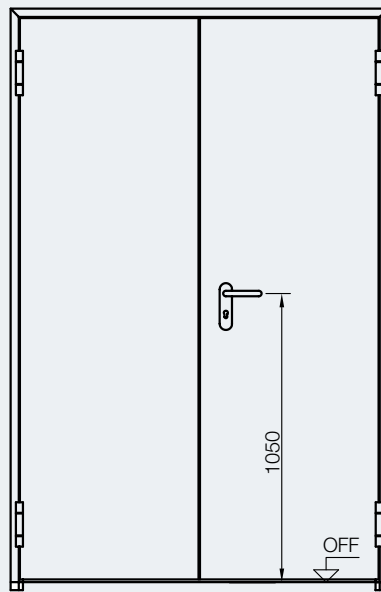
Master key system
In a master key system, the main key opens all the locks in the system although each lock has its own unique key. The size of the master key system can be supplied on request.

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

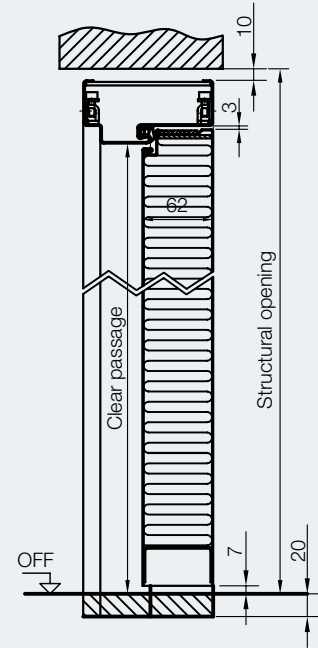
Technical Data and Size Range



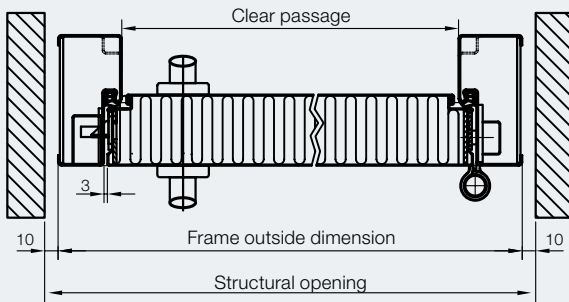
Single-leaf door



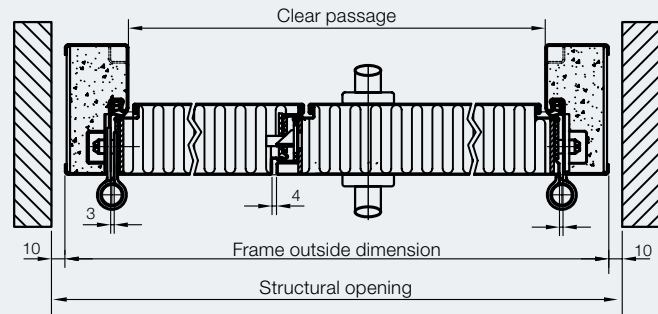
Double-leaf door



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 ordering size width x height	Frame outside 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
Double-leaf door	1200 x 2200	1180 x 2190	1070 x 2135
	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

