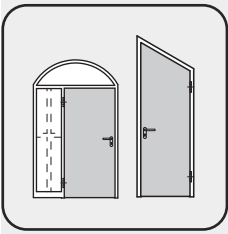


# Individual solutions

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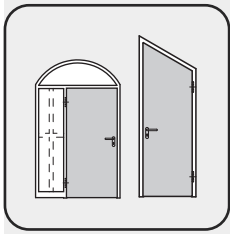
## Individual solutions

# General information

In order to solve the problems and wishes of architects and developers, Schörghuber offers a great range of individually elaborated solutions. Hereby the realisation of the customers wishes, while taking into account the necessary functions of the door sets, is the number one priority.

The extensive range of approvals and certificates Schörghuber acquired offers a great selection of options. If crucial alterations of certificates or official approvals are necessary, Schörghuber will initiate an approval for the individual case.

The solutions presented in this chapter are just a general overview of common versions. Additional individual solutions can of course be developed on request – Schörghuber has specialised hereupon.



## Individual solutions

8.1

# Upper door leaf edge specially shaped

## Configuration options

In combination with solid wooden frames 1- and 2-leaf door sets with a specially shaped upper door leaf edge can be produced. These are for example round arch, segmental arch or basket arch, or also bevel and roof-like shaped geometries.

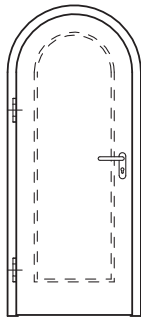
### Door leaf configuration

Vision panels and fillings are possible for door leaves with a door leaf thickness of 70 mm, Type 5 N/6 N, 16 N/26 N or with a door leaf thickness of 73 mm, Type 25 N / 27 N.

Circumferential frieze widths  $\geq 120$  mm for 70 mm door leaf thickness  
 $\geq 90$  mm for 73 mm door leaf thickness

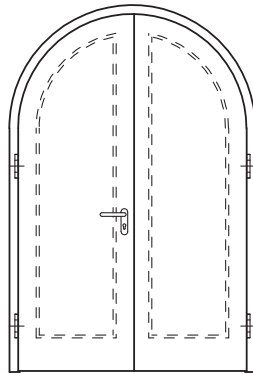
As door closers function floor-mounted door closers with slide rail.

### Configuration options for round arch, segmental or basket arch:



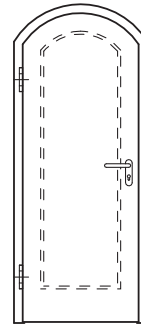
**Round arch**

$$R = \frac{ZFM-B}{2}$$



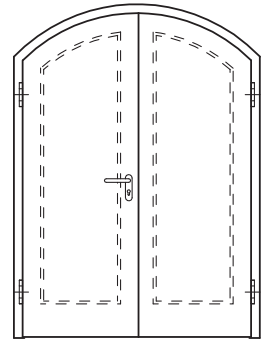
**Round arch**

$$R = \frac{ZFM-B}{2}$$



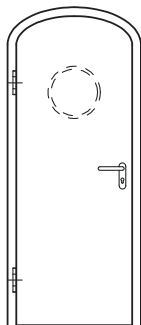
**Segmental arch**

$$\text{Arch rise} \leq \frac{ZFM-B}{2}$$



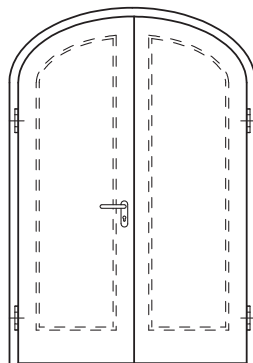
**Segmental arch**

$$\text{Arch rise} \leq \frac{ZFM-B}{2}$$



**Basket arch**

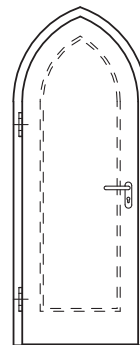
$$\text{Arch rise} \leq \frac{ZFM-B}{2}$$



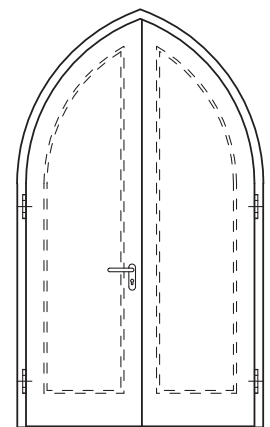
**Basket arch**

$$\text{Arch rise} \leq \frac{ZFM-B}{2}$$

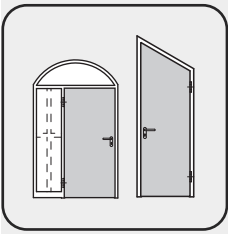
Configuration options for pointed arches  
**On request!**



**Pointed arch**



**Pointed arch**



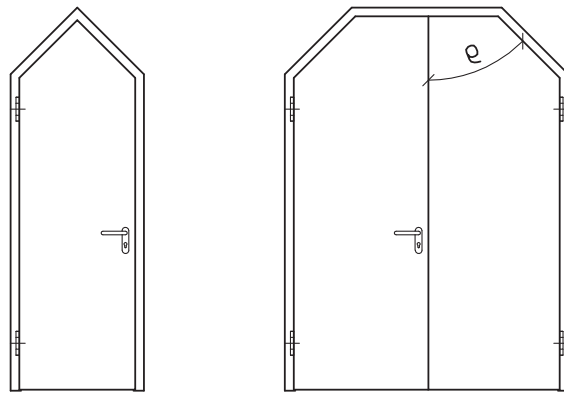
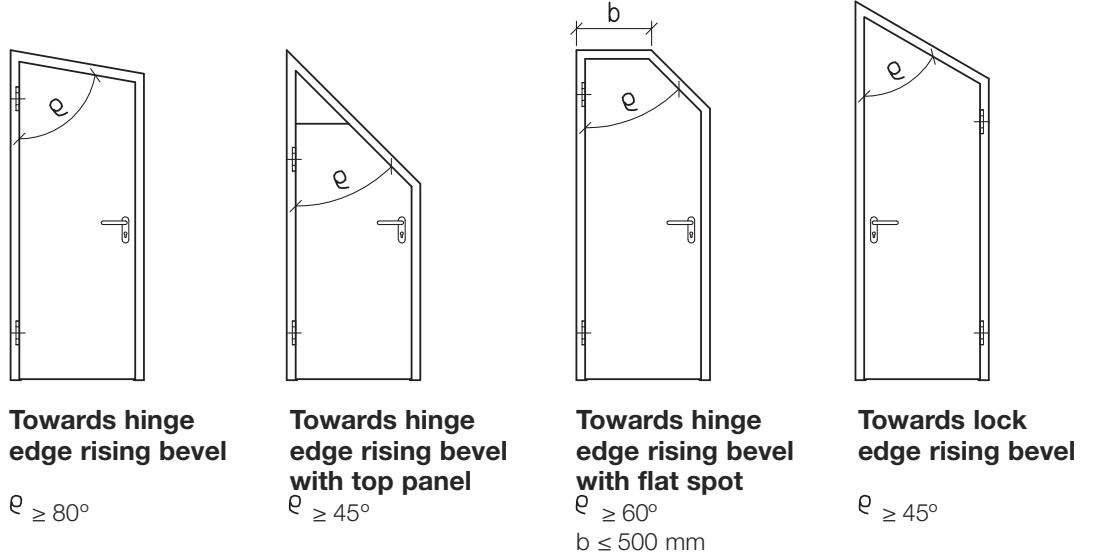
# Individual solutions

# 8.1

## Upper door leaf edge specially shaped

### Configuration options

Configuration options for bevel or roof-like shaped geometries:



**Roof-like shaped**  
Height  $\leq \frac{ZFM-B}{2}$

**Roof-like shaped**  
 $e \leq \frac{ZFM-B}{2}$

$e$  = Angle between upper and lower hinge edge

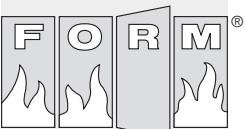
**Further configuration options on request!**

### Possible multiple functions

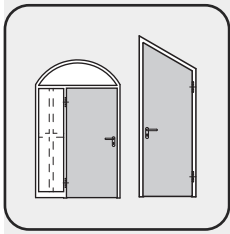
			Multiple function							
	Door type	max. BR	T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	Rw,P 48	WK 2	VT
1-leaf door	3 N	1314 x 2500 mm	○	○	○				○	○
	13 N	1314 x 2500 mm	○	○		○			○	○
	16 N	1375 x 3000 mm	○	○	○				○	○
	5 N	1314 x 2500 mm	○	○		○	○		○	○
	35 N	1250 x 2250 mm	○	○	○	○	○		○	○
	25 N	1375 x 3000 mm	○	○	○					○
	10 N	1375 x 3000 mm	○	○	○	○	○	○		○
2-leaf door	4 N	2500 x 2500 mm	○	○	○					○
	26 N	3000 x 3000 mm	○	○	○					○
	6 N	2500 x 2500 mm	○	○		○	○			○
	27 N	2750 x 3000 mm	○	○	○					○
	20 N	3000 x 3000 mm	○	○	○	○	○			○

**Other dimensions on request!**

Wooden special doors



**Schörhuber**

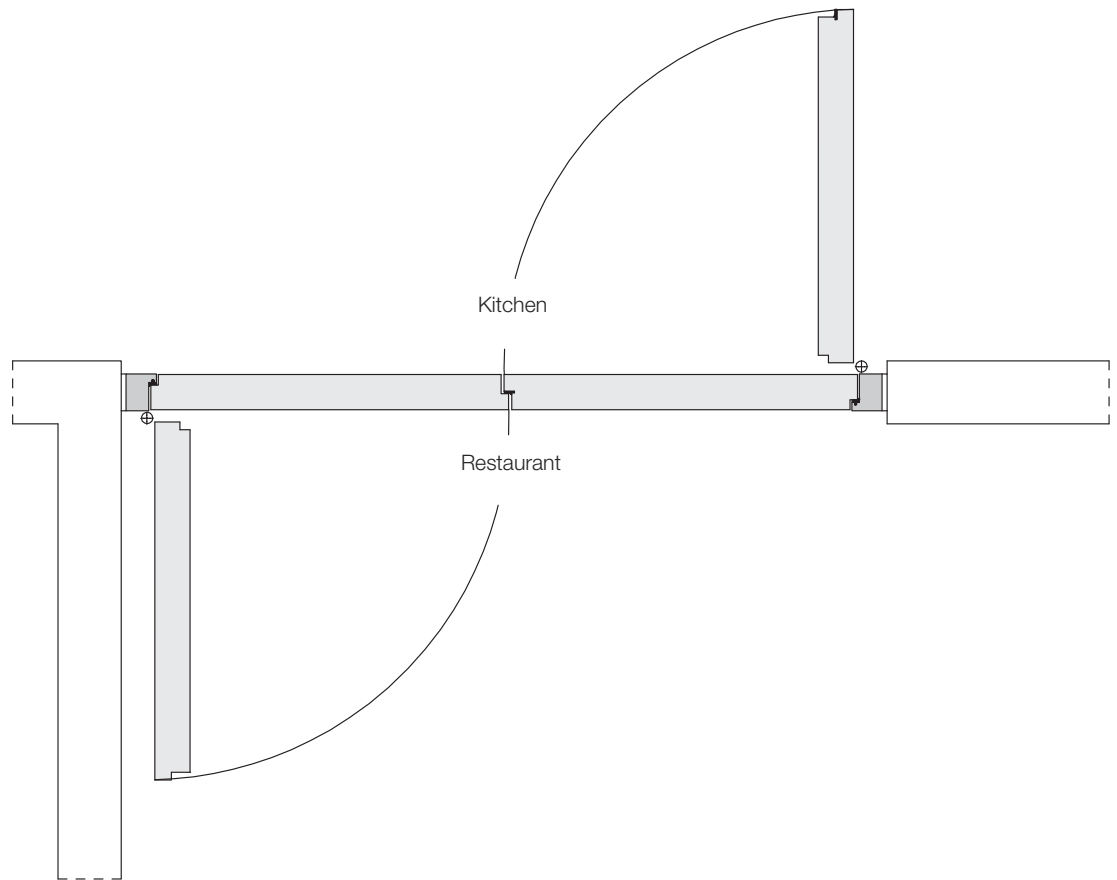


## Individual solutions

## 8.1.2

### Reversed doors

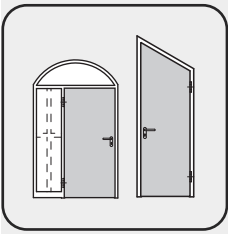
Examples of use



Frequently used areas with high foot traffic in both directions.

#### Recommendation

Use two automatic door operators for perfect functionality.

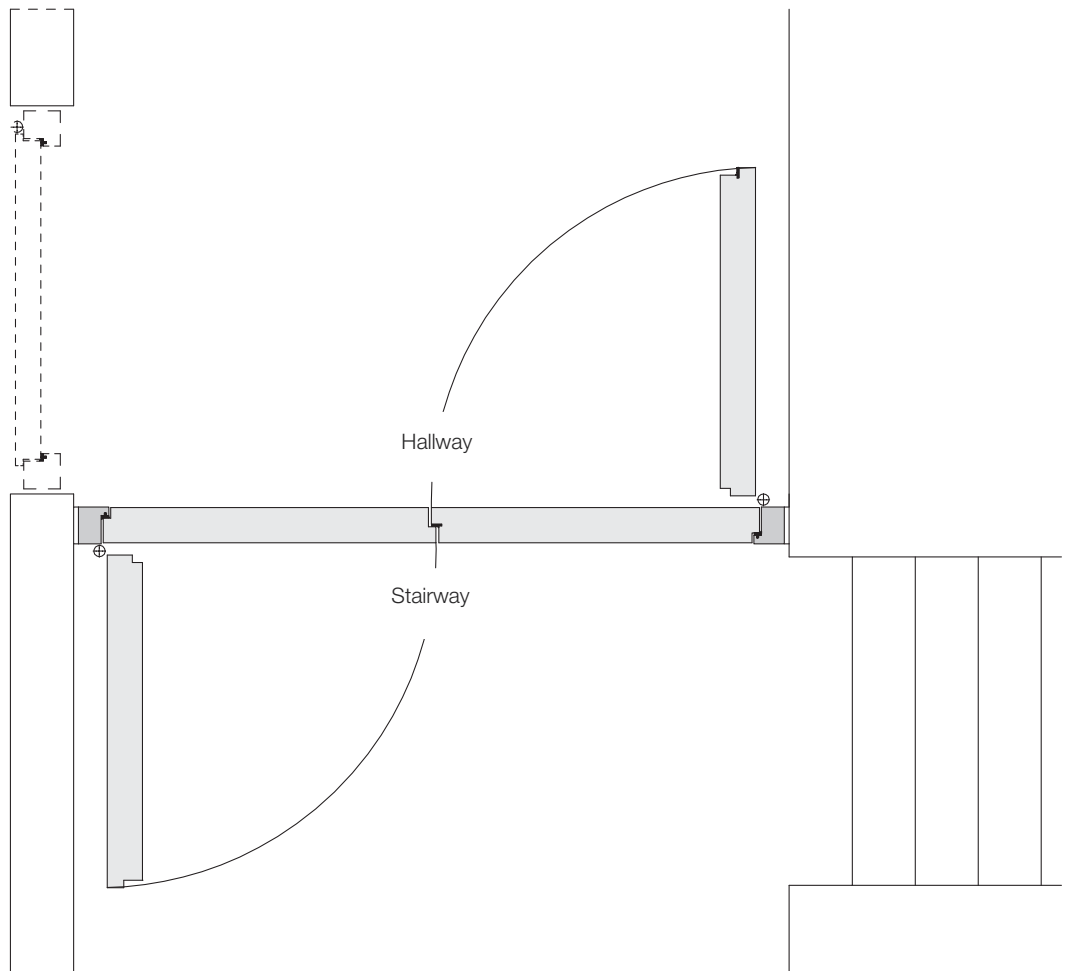


## Individual solutions

8.1.2

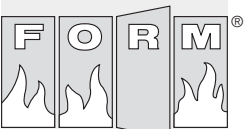
### Reversed doors

Examples of use

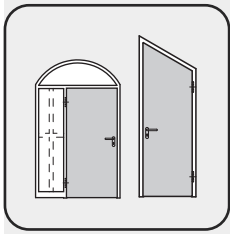


For narrow areas with open doors during service time.

Wooden special doors



Schörghuber



## Individual solutions

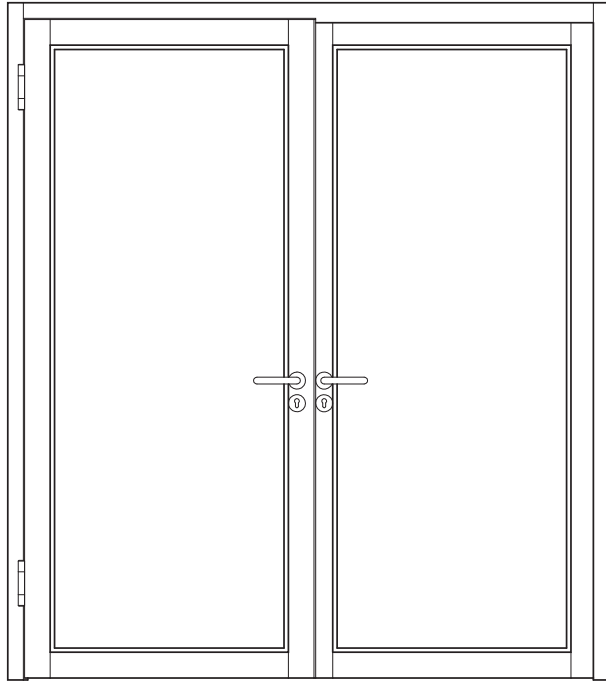
# Reversed doors

### Configuration options

8.1.2

#### Solid wood framed doors Type 27 N GLT

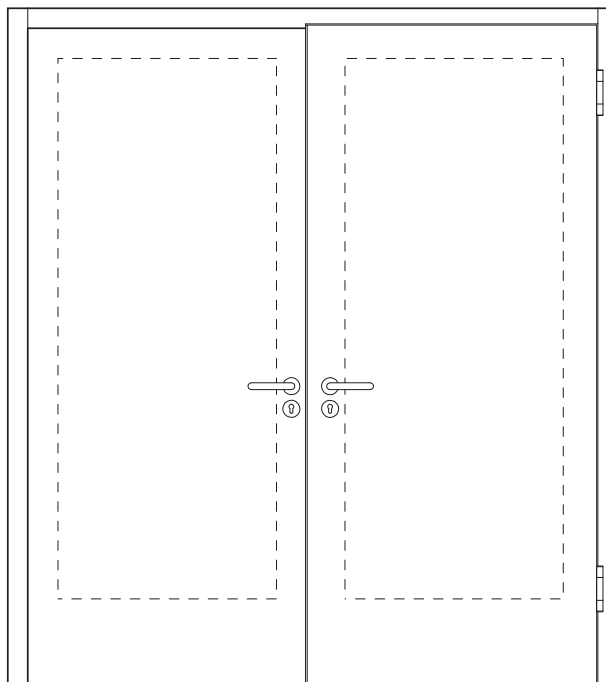
T 30, RS, SD 32, SD 37 and VT



#### Panel doors Type 26 N GLT and 6 N GLT

T 30, RS, SD 32, SD 37 and VT

On request with vision panel



#### Equipment options

- All door closer options for 1-leaf doors (no door coordination required)
- Shot-bolt locks with / without panic function
- Electrical strikes
- Automatic door operator on one or both door leaves

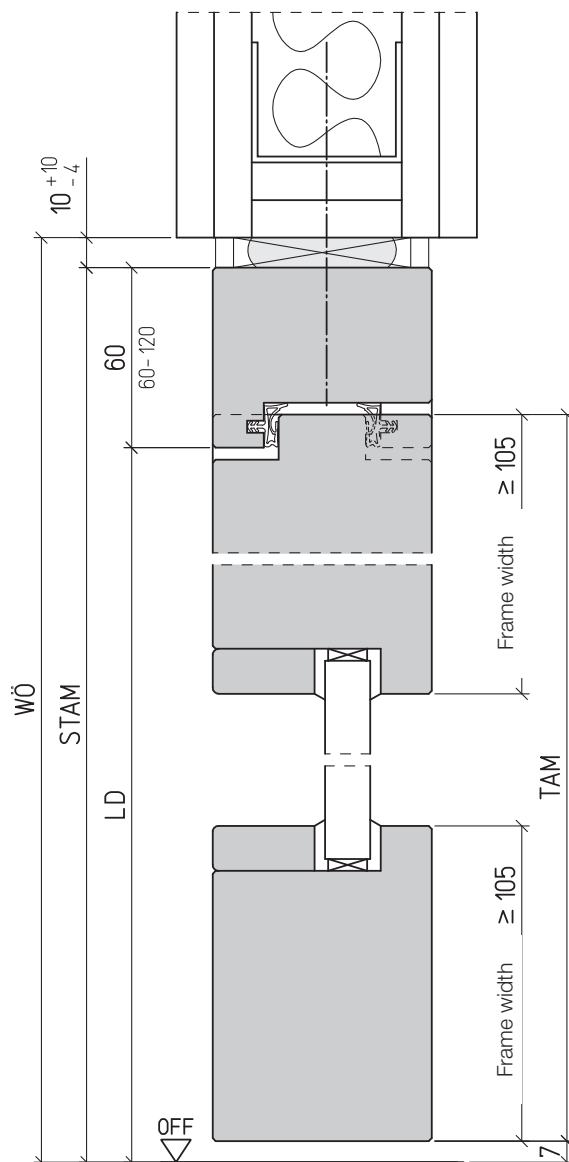
## Individual solutions

**Reversed doors**

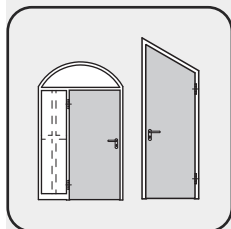
## Details, Installation situations

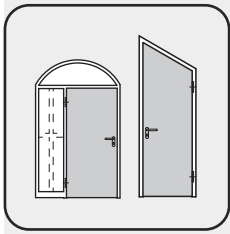
**Solid wood framed construction Type 27 N GLT**

Screw fastening in gypsum plasterboard wall

**Possible multiple functions**

Door type	max. BR	Multiple function				
		T 30	RS	Rw,P 32	Rw,P 37	VT
27 N GLT	2500 x 2500 mm	○	○	○	○	○
26 N GLT	2500 x 2500 mm	○	○	○		○
6 N GLT	2500 x 2500 mm	○	○		○	○

**Other dimensions on request!**



# Individual solutions

# 8.1.2

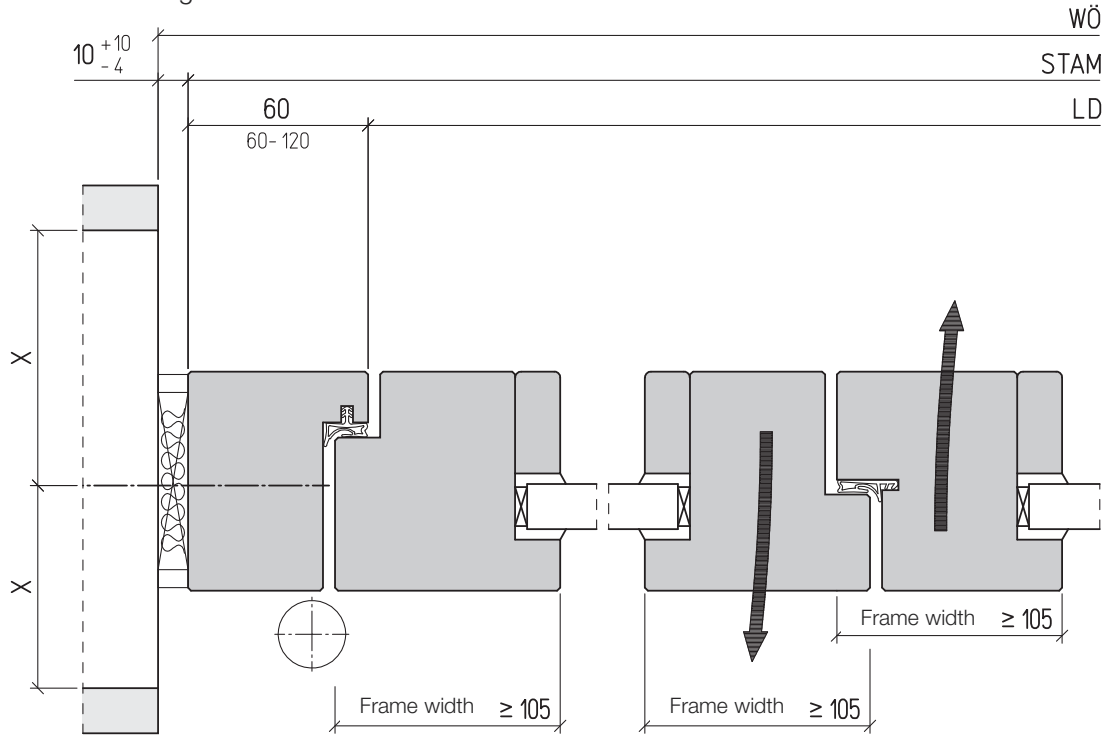
## Reversed doors

Details, installation situations

Wooden special doors

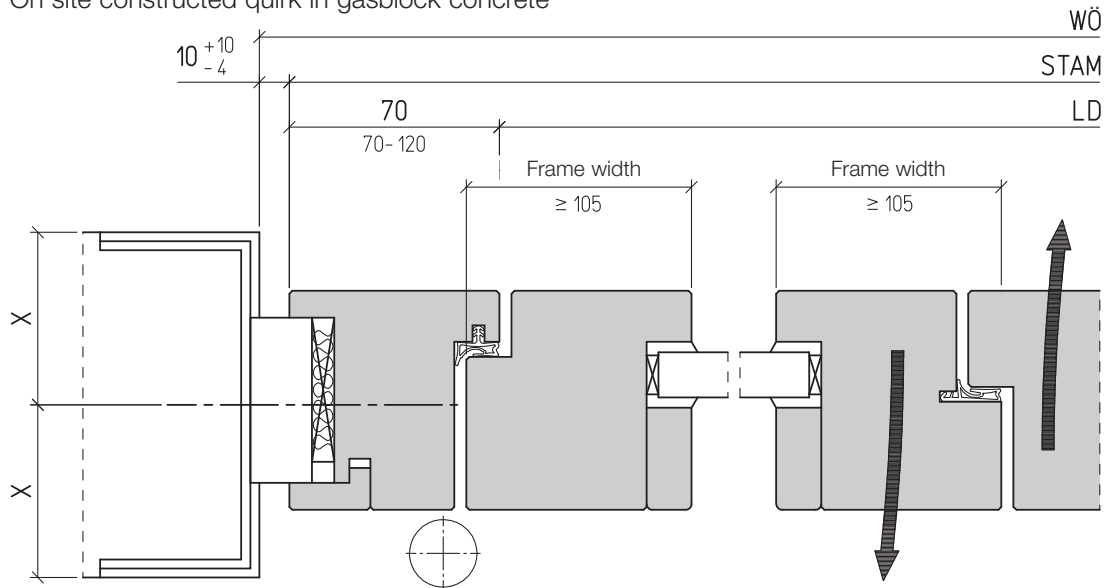
### Solid wood framed construction Type 27 N GLT

Screw fastening in solid wall



### Solid wood framed construction Type 27 N GLT

On site constructed quirk in gasblock concrete



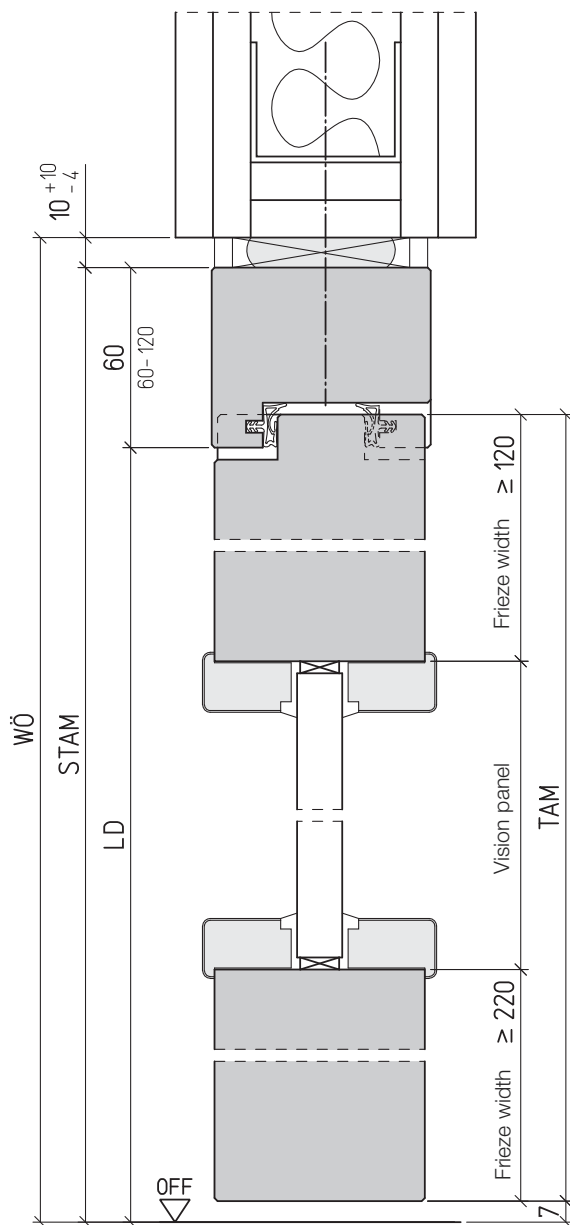
## Individual solutions

**Reversed doors**

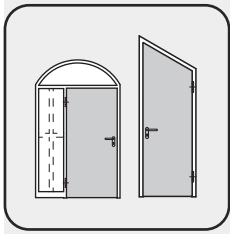
Details, Installation situations

**Panel doors Type 26 N GLT and 6 N GLT**

Screw fastening in gypsum plasterboard wall



Wooden special doors



# Individual solutions

# 8.1.2

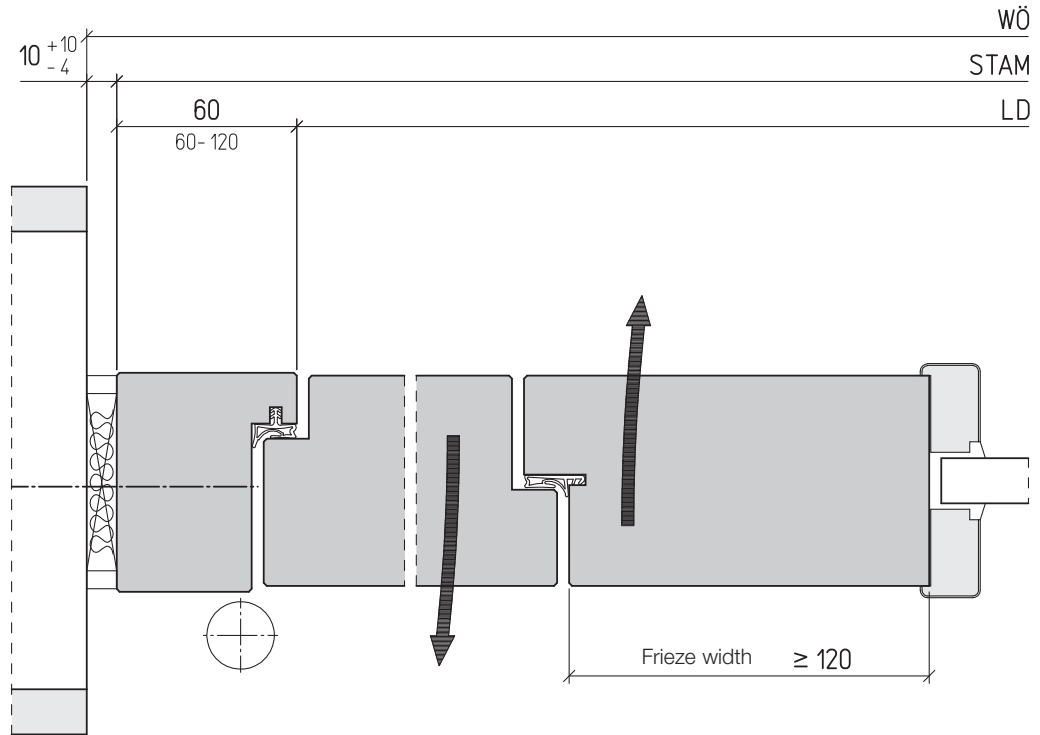
## Reversed doors

### Details, Installation situations

Wooden special doors

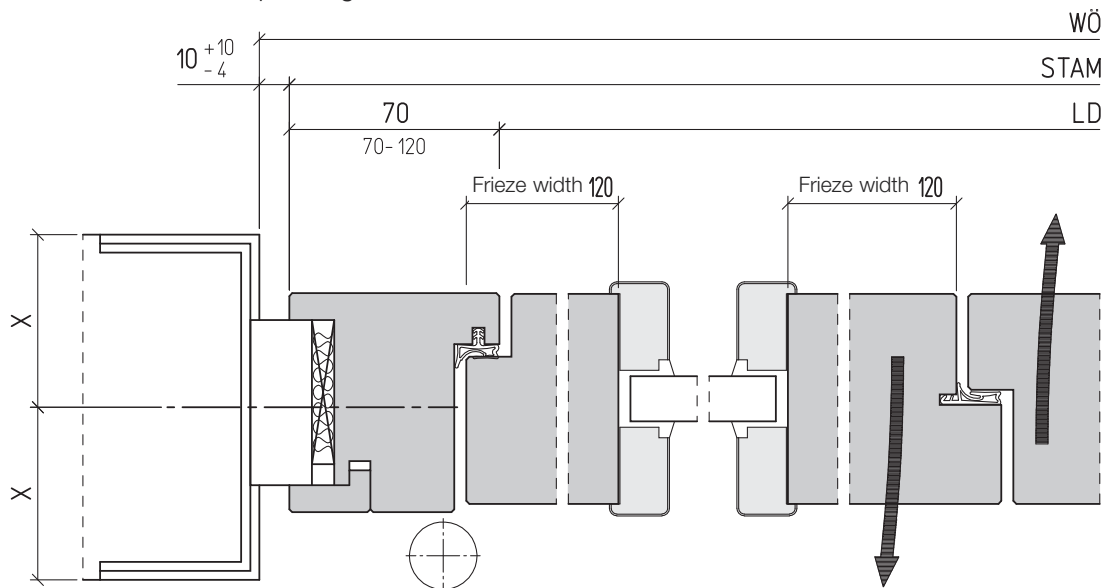
#### Panel doors Type 26 N GLT and 6 N GLT

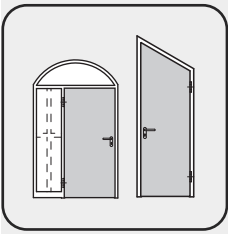
Screw fastening in solid wall



#### Panel doors Type 26 N GLT and 6 N GLT

On site constructed quirk in gasblock concrete





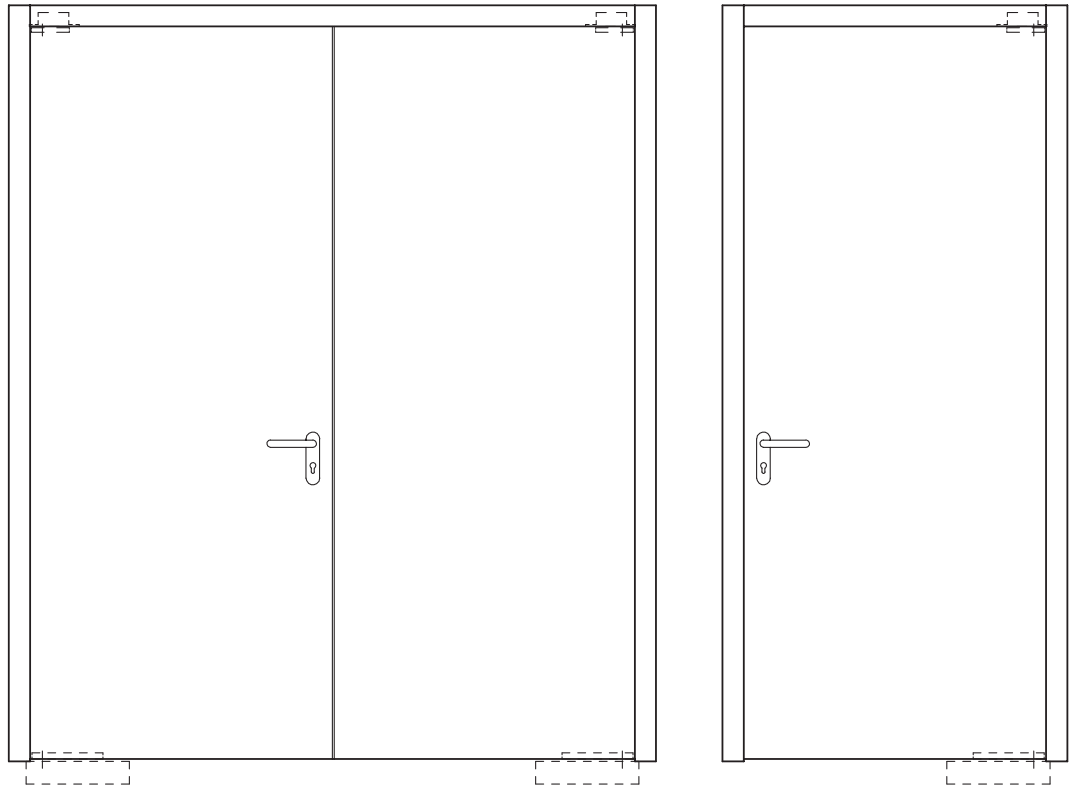
## Individual solutions

8.1.3

### Recessed door

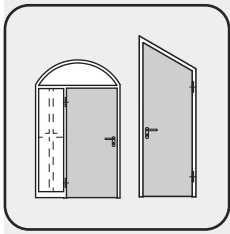
#### Overview

A recessed door is preferably used for narrow areas with open doors during service time. The special construction and selection of fittings allows an installation of door and frame flush to the wall with the smallest possible joints. As door closer operates a floor-mounted door closer, for 2-leaf door sets with intergated door coordination.



View of a 2-leaf respectively 1-leaf recessed door in closed state.

Wooden special doors



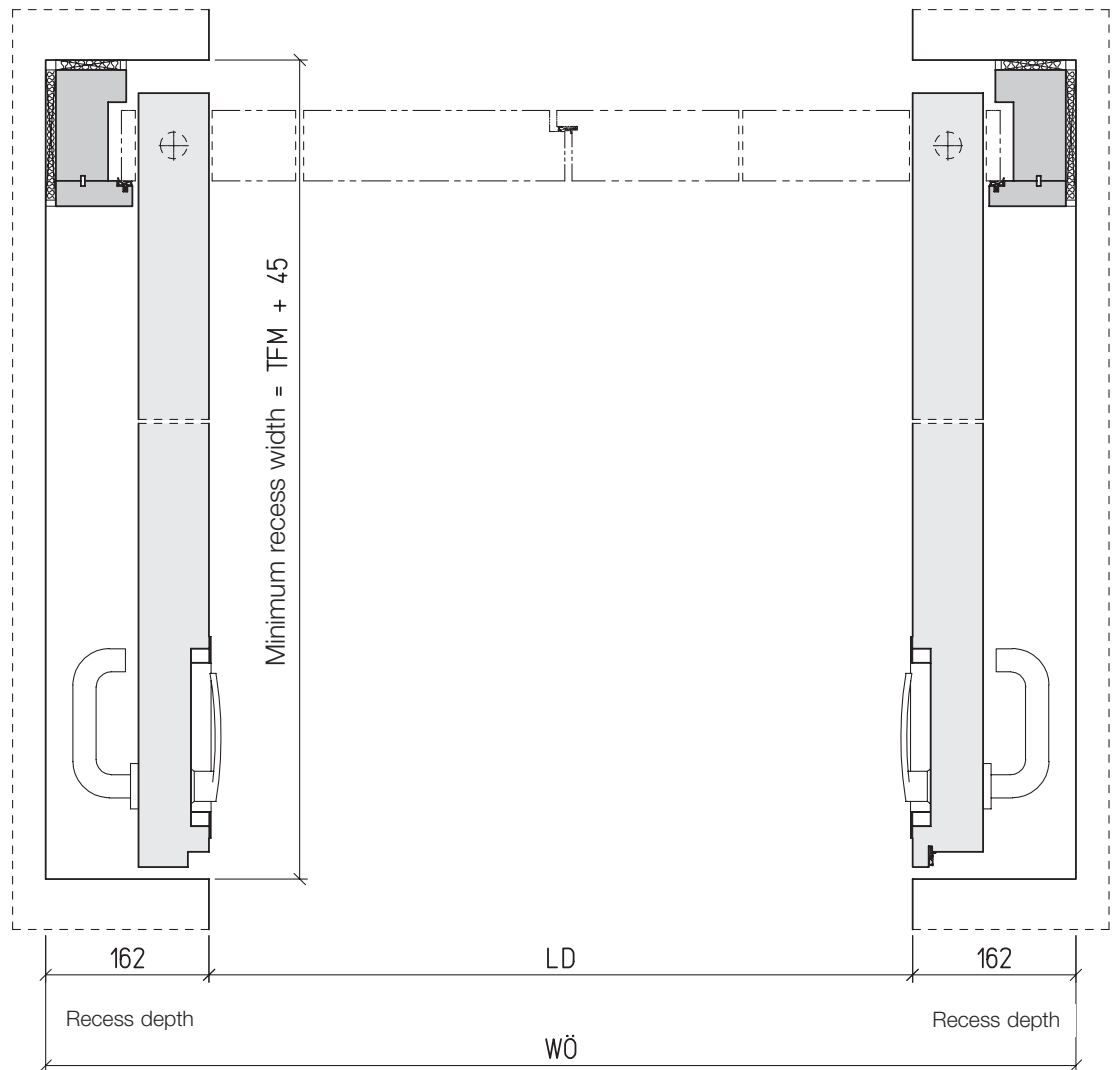
## Individual solutions

8.1.3

# Recessed door

Horizontal cross section

Wooden special doors



Horizontal cross section of a 2-leaf recessed door in open and closed state.

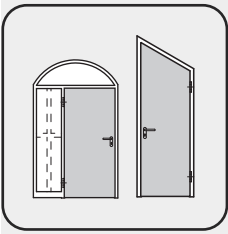
### Recommendation

A total flush surface is obtained if a flush handle is installed on the hallway side (push side).

### Possible multiple functions

Door type	max. BR	Multiple function				
		T 30	RS	Rw,P 32	Rw,P 37	VT
16 N	1500 x 3500 mm	○	○	○		○
5 N	1500 x 3000 mm	○	○		○	○
26 N	3000 x 3500 mm	○	○	○		○
6 N	3000 x 3000 mm	○	○		○	○

Other dimensions on request!



## Individual solutions

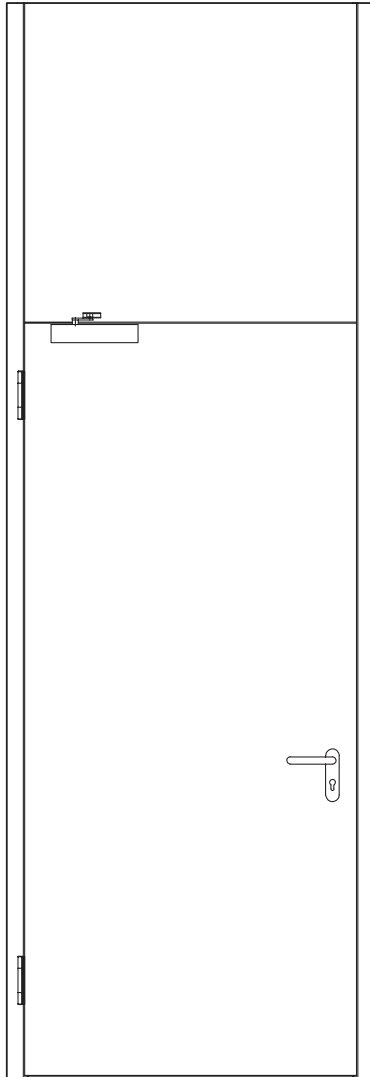
8.1.4

# Frames without head

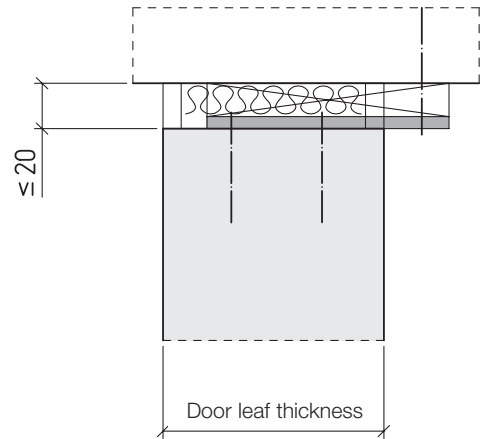
## Overview / Details

Door sets with counter rebated top panel can be delivered with frames without head. The upper panel fastening is hereby done directly on the head or the ceiling. Steel and wooden frames can be used. The vertical frame posts are delivered in bulk and mounted using a pattern.

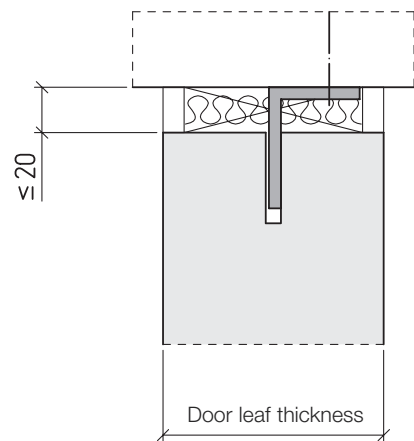
### Example: 1-leaf door



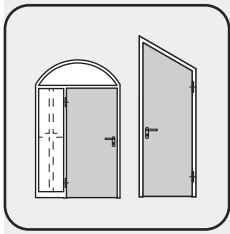
### Version of the upper connection



### Bracket fastening



Wooden special doors



## Individual solutions

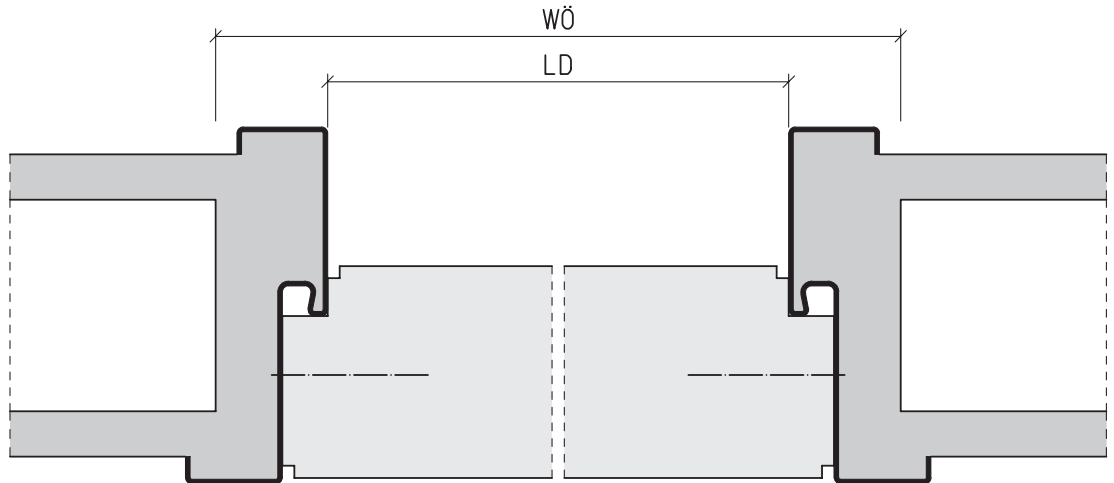
8.1.4

# Frames without head

## Example

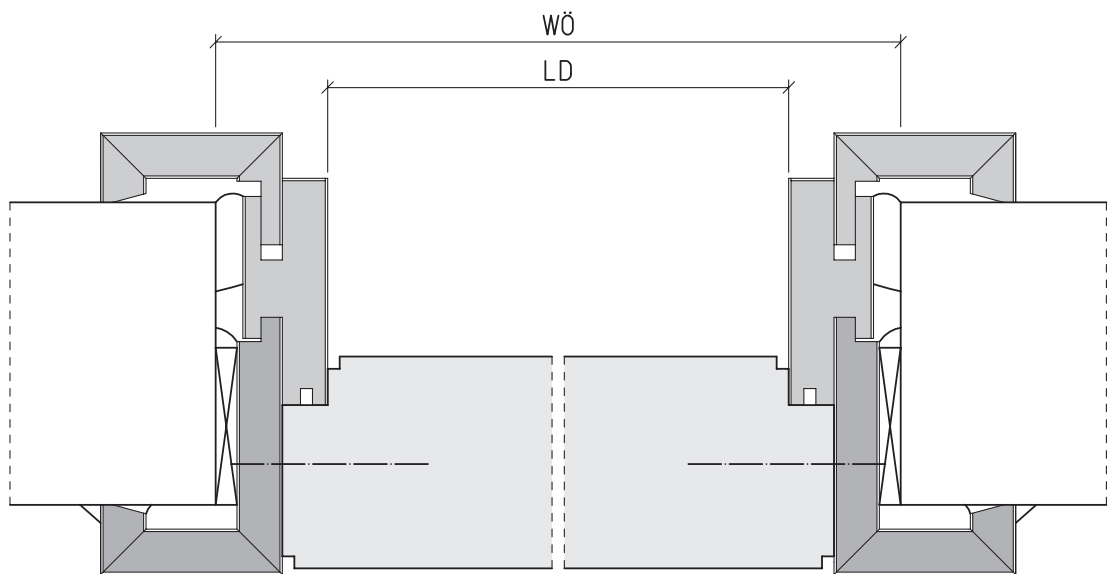
### Example: steel wrap-around frame

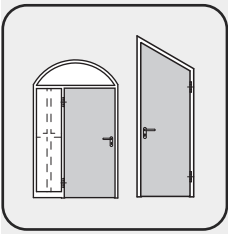
Horizontal cross section in the area of the panel



### Example: wooden wrap-around frame

Horizontal cross section in the area of the panel





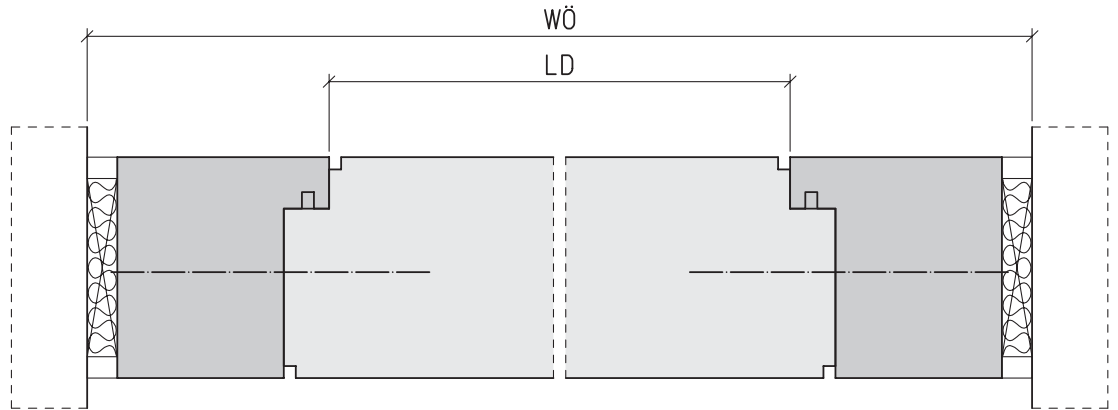
# Individual solutions

## Frames without head

### Example

8.1.4

**Example: solid wooden frame**  
Horizontal cross section in the panel area

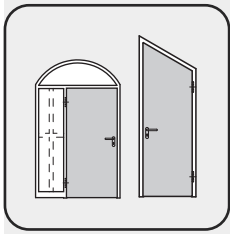


For solid wooden frames the top panel is flush on both sides and is screwed to the vertical frame posts.

#### Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1375 x 3500 mm	○	○	○	○		○
16 N	1500 x 4000 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
4 N, 14 N	2750 x 3500 mm	○	○	○	○		○
26 N	3000 x 4000 mm	○	○	○			○
6 N	3000 x 3500 mm	○	○		○	○	○

**Other dimensions on request!**



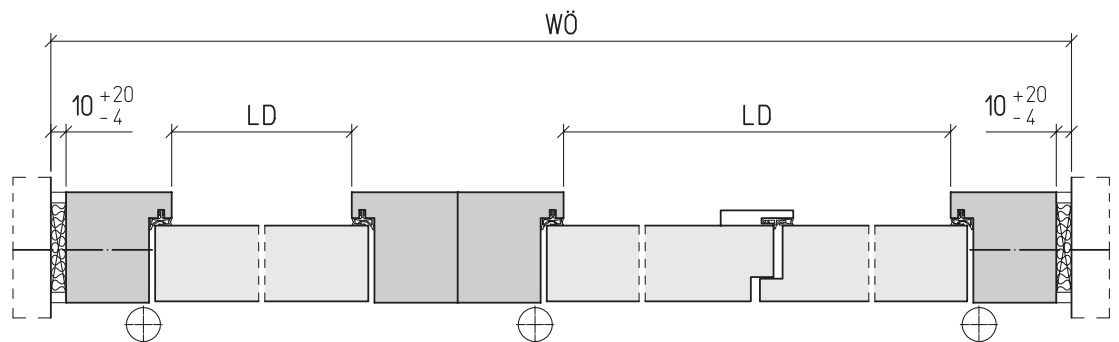
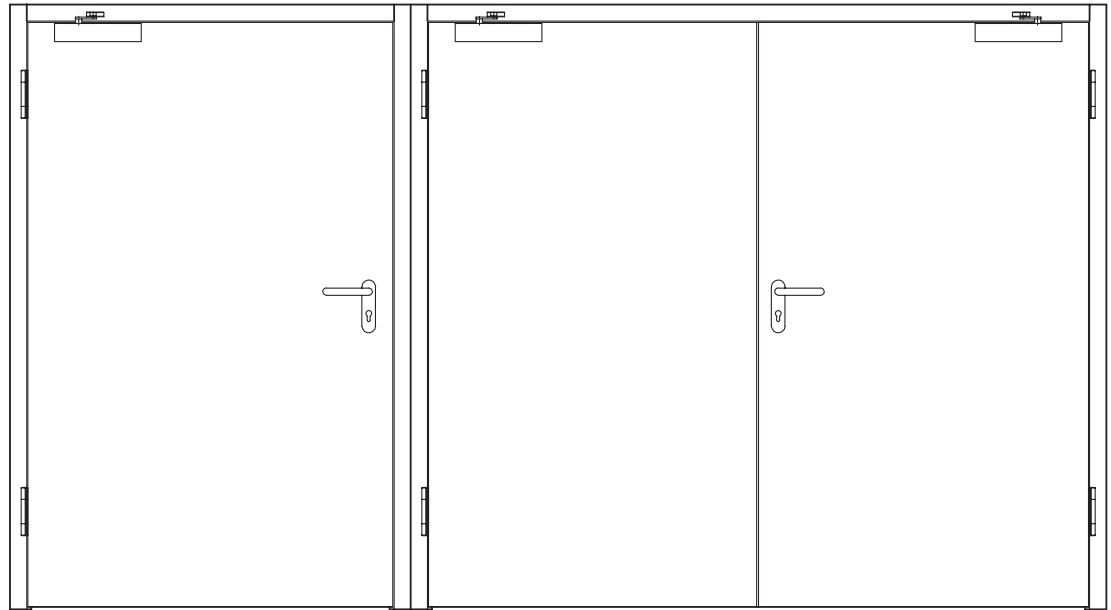
# Individual solutions

## Connecting door sets

8.1.5

1- and 2-leaf door sets can be arranged next to each other, frame to frame. This combination is used for example for wide distribution boxes or entrance doors for great concert halls. Hereby usually a solid wooden frame is used with additional fastening of the vertical frame posts, which are fastened to the floor using steel brackets.

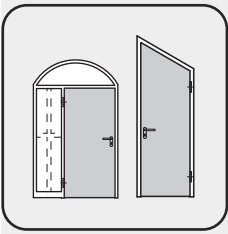
**Example: 1- and 2-leaf door set Model 3.00 and 4.00**



### Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1375 x 3500 mm	○	○	○	○	○	○
16 N	1500 x 4000 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
25 N	1500 x 5000 mm	○	○	○	○		○
4 N, 14 N	2750 x 3500 mm	○	○	○	○		○
26 N	3000 x 4000 mm	○	○	○			○
6 N	3000 x 3500 mm	○	○		○	○	○
27 N	3000 x 4000 mm	○	○	○	○		○

Other dimensions on request!



# Individual solutions

## Door sets for external use

8.1.6

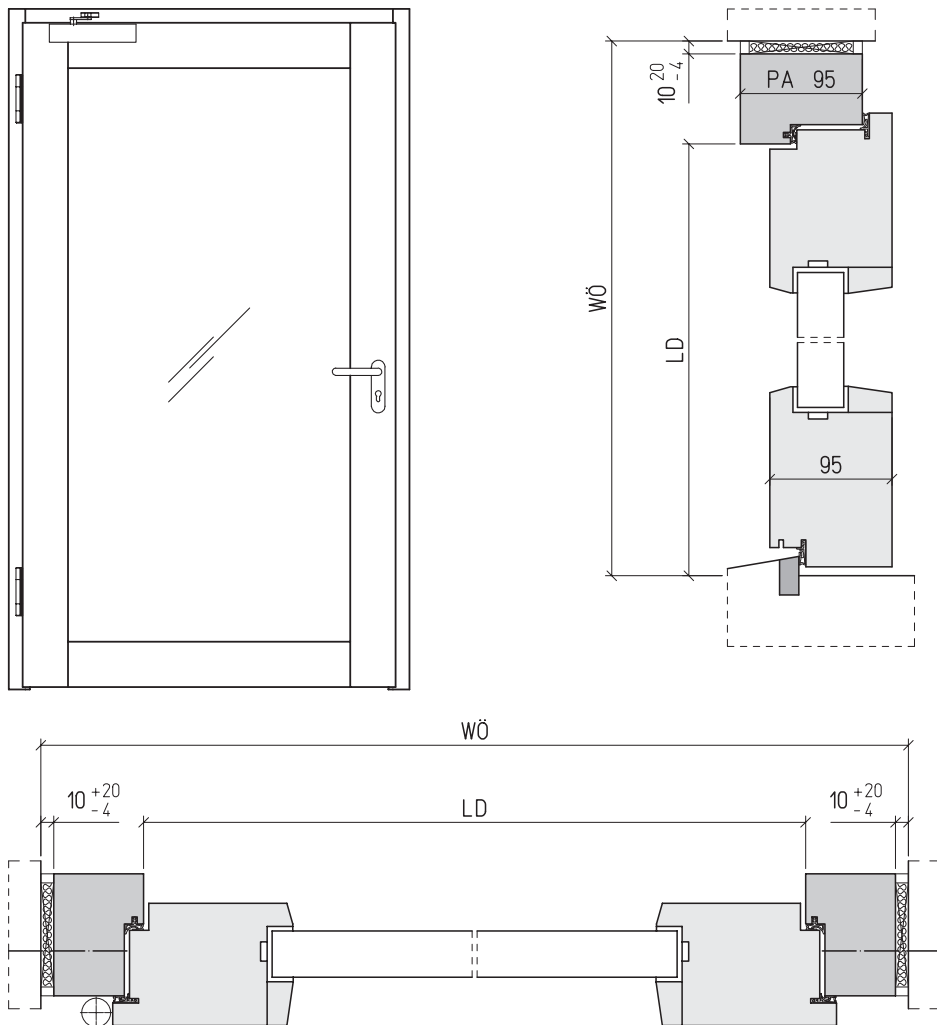
The 2-leaf door Type 26 N can be used for the external use, if equipped with a special door leaf construction and equipment. The solid wooden doors Type 25 N and 27 N can also be used for external areas by applying suitable wood and special equipment. The door sets should be protected from direct weather impact and equipped with a thermally separated threshold at the bottom.

A CE-labeling as external door according to DIN EN 14351-1 is in preparation.

➤ Chapter "Multiple functions"

Wooden special doors

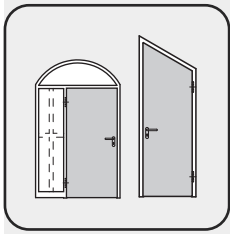
### Example: Model 25.00



### Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	WK2	VT
26 N	3000 x 3500 mm	○	○	○		○	○
25 N	1500 x 3750 mm	○	○	○	○		○
27 N	3000 x 3750 mm	○	○	○	○		○

Other dimensions on request!



## Individual solutions

## 8.1.7

# Highly sound-deadening double door sets

## General information, performance overview

In order to reach sound insulation values higher than  $R_{w,P} = 50$  dB, Schörghuber offers highly sound-deadening double door sets.

In many cases these double door sets are used as connecting doors of hotel suits or sensitive office areas (registry > executive's office).

The combination of two Sound-Insulation-Doors allows, depending on the combination, sound insulation values of

- $R_{w,P} = 48$  dB
- $R_{w,P} = 55$  dB
- $R_{w,P} = 57$  dB

The installation is possible in solid walls and gypsum plasterboard walls with a wall thickness of  $\geq 200$  mm. If the the wall thickness exceeds these values, sound insulation values of up to approx. 60 dB ( $R_{w,P}$ ) are possible.

In order to reach the required sound insulation values it is absolutely necessary to chose the right wall connection, especially for gypsum plasterboard walls. Therefore, please refer to the manufacturer of gypsum plasterboard wall systems (e.g. Knauf, Rigips, Lafarge, Fels-Werke).

As frame options for highly sound-deadening double door sets wooden as well as steel wrap-around frames are available. The door leaf edge configuration can either be unrebated, unrebated with jamb rebate or rebated.

A special attention has to be drawn towards the correct and accurate installation of the door set.

The cavities between solid wall and steel frame have to be completely filled with mortar, in gypsum plasterboard wall systems with mineral wool. In case of wooden wrap-around frames the cavities can be filled with either mineral wool or 2-K-PU-foam. For suitable materials please refer to chapter 2.5

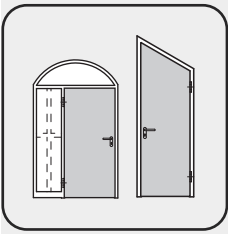
The wall connection joint for steel frames in leightweight wall systems and wooden frames in gypsum plasterboard as well as solid walls has to be sealed with a permanent elastic material.

In the area of the bottom seal an effective disjunction of the screed is absolutely necessary.

### Possible multiple functions

Insulation value	Combination	max. BR	Multiple function			
			T 30	RS	WK 2	WK 3
$R_{w,P} = 48$ dB	13 N / 13 N	1375 x 2750 mm	○	○	○	
$R_{w,P} = 55$ dB	13 N / 5 N	1375 x 2750 mm	○	○	○	○
$R_{w,P} = 57$ dB	5 N / 5 N	1500 x 3000 mm	○	○	○	○

**Other dimensions on request!**



## Individual solutions

8.1.7

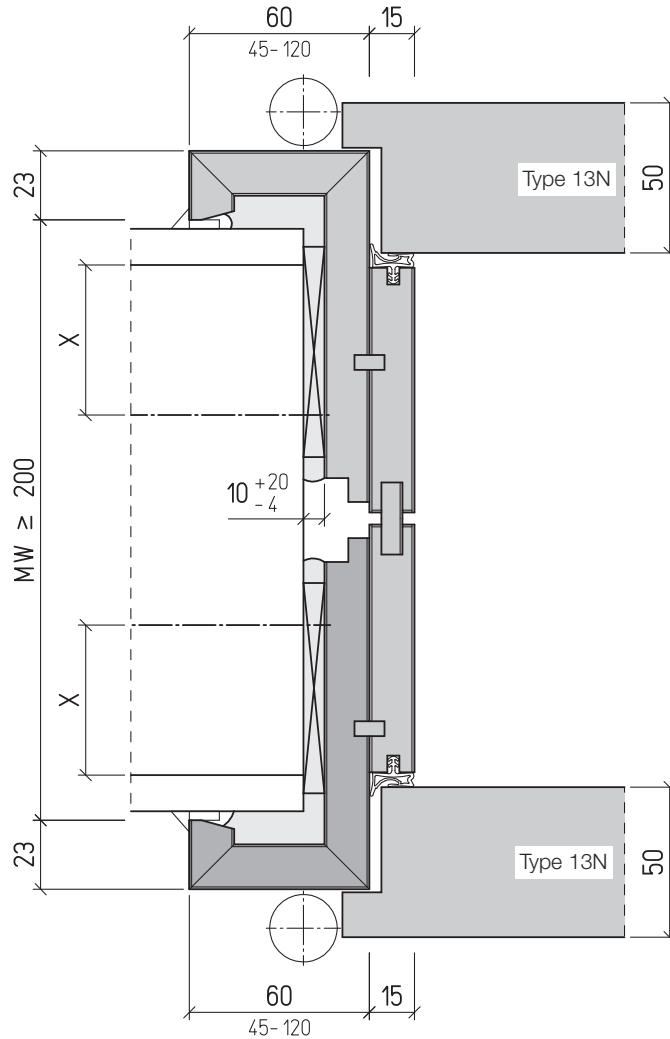
# Highly sound-deadening double door sets

## Configuration options

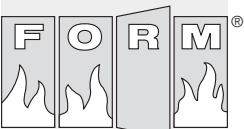
**Sound insulation value  $R_{w,P}$  48 dB**

**Wooden frame in solid wall**

Door leaf rebated



Wooden special doors

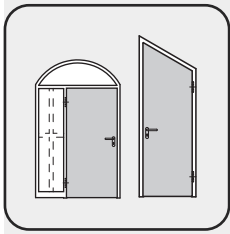


Schörghuber

### X-Maß

Concrete, masonry  $\geq 50,0$  mm

Gasblock concrete  $\geq 87,5$  mm



## Individual solutions

8.1.7

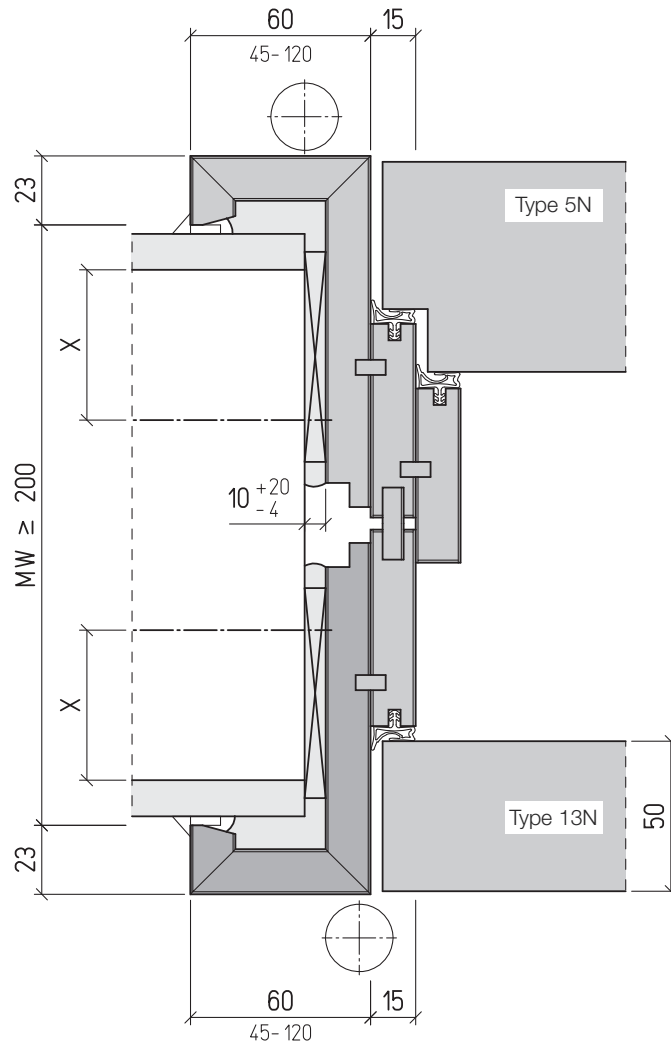
# Highly sound-deadening double door sets

## Configuration options

**Sound insulation value  $R_{w,P}$  55 dB**

**wooden frame in solid wall**

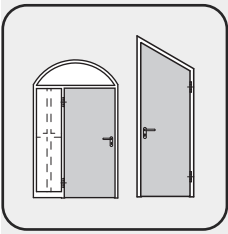
Unrebated door leaf



Wooden special doors

**X-Maß**

Concrete, masonry ≥ 50,0 mm  
Gasblock concrete ≥ 87,5 mm



## Individual solutions

8.1.7

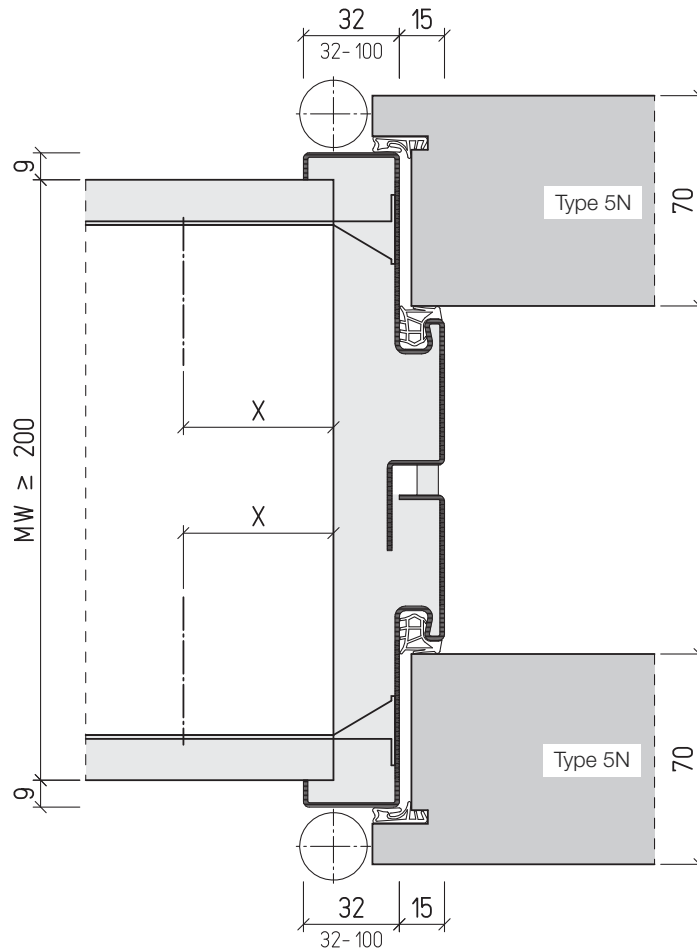
# Highly sound-deadening double door sets

## Configuration options

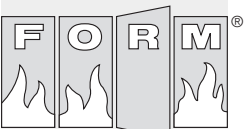
Sound insulation value  $R_{w,P}$  57 dB

Steel frame in solid wall

Door leaf rebated



Wooden special doors

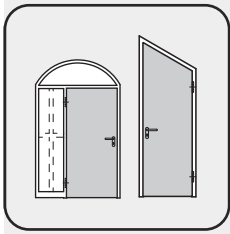


Schörghuber

### X-Maß

Concrete, masonry  $\geq 50,0$  mm

Gasblock concrete  $\geq 87,5$  mm



## Individual solutions

## 8.1.8

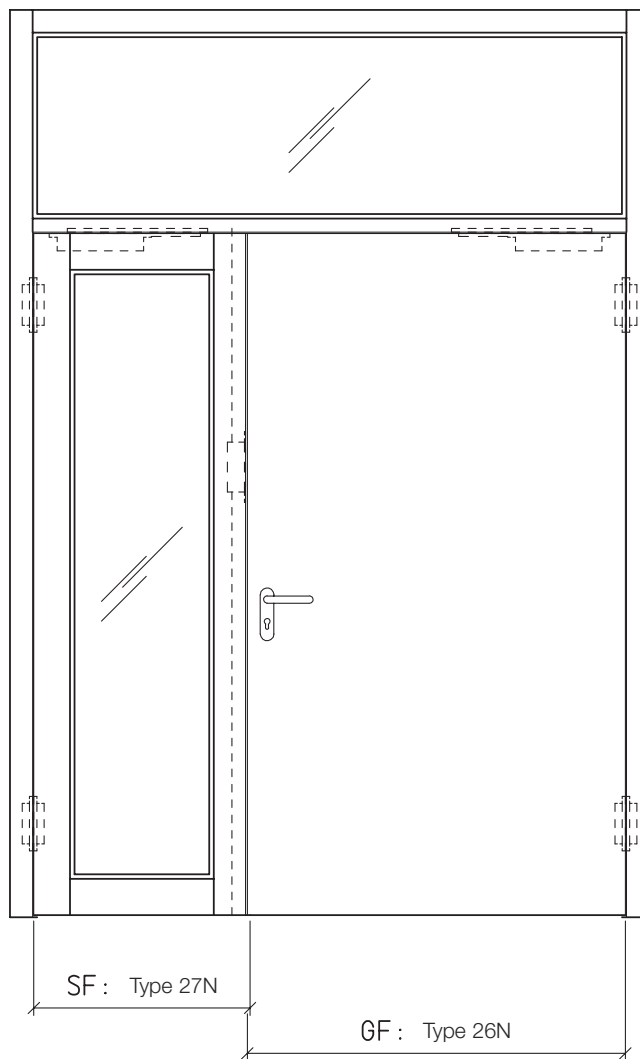
# Combination of framed door and panel door

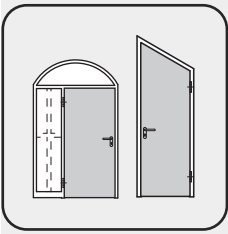
2-leaf Schörghuber doors can also be delivered as a combination of framed door and panel door. The use of a panel door as active leaf (Type 6 N or 26 N) and a framed door as inactive leaf (Type 27 N) offers the visual appearance of a fixed side panel with a maximum glass surface. The full functionality of a 2-leaf door remains intact.

### Recommendation

By using concealed fittings (hinges, integrated door closer and for 2-leaf door sets concealed shot-bolt locks) the optical impression of a side panel is enhanced even more.

### Example: active leaf as panel door, inactive leaf as framed door





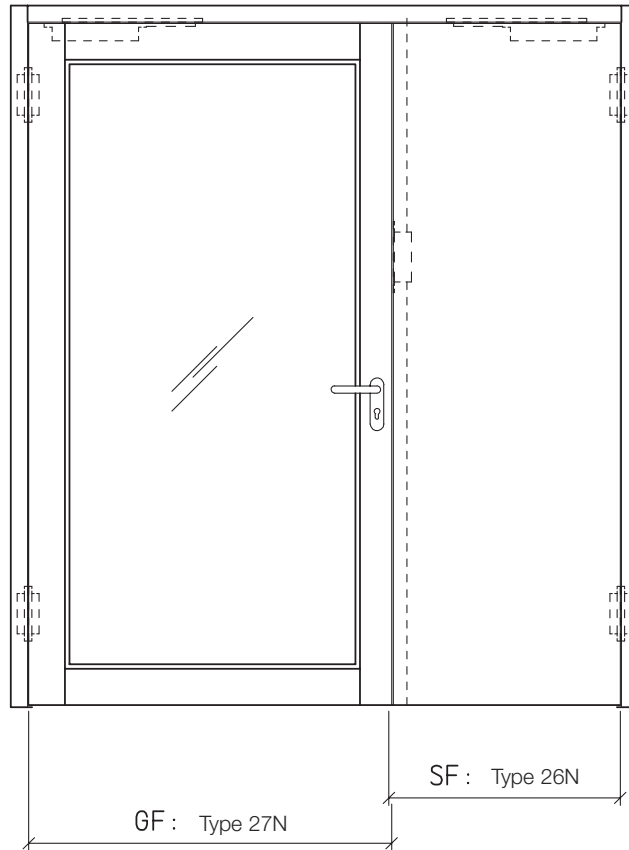
## Individual solutions

8.1.8

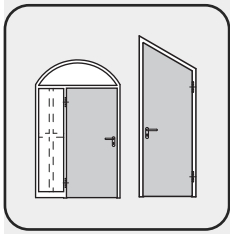
# Combination of framed door and panel door

Alternatively the active leaf can also be configured as a framed door and the inactive leaf as a panel door.

**Example: active leaf as framed door, inactive leaf as panel door**



Wooden special doors



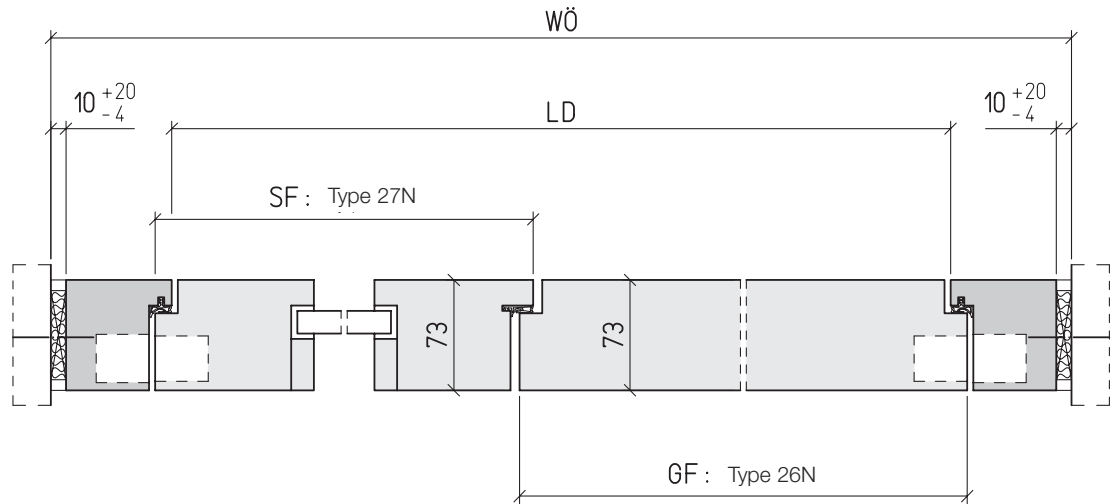
## Individual solutions

8.1.8

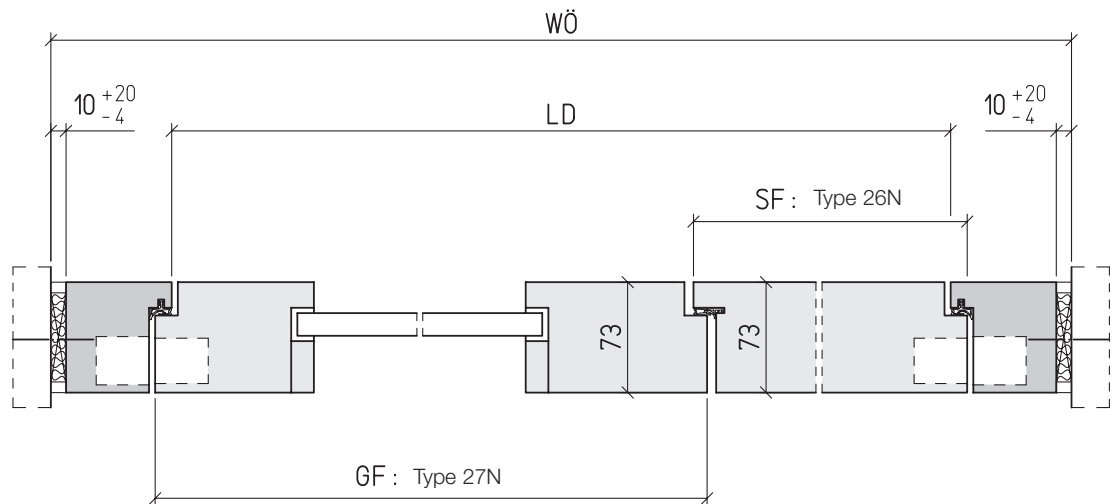
# Combination of framed door and panel door

Horizontal cross section

**Example: active leaf as panel door, inactive leaf as framed door**



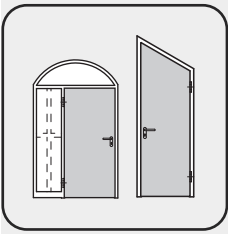
**Example: active leaf as framed door, inactive leaf as panel door**



### Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
26 N / 27 N	3000 x 4000 mm	○	○	○			○
6 N / 27 N	3000 x 3500 mm	○	○		○		○

**Other dimensions on request!**



## Individual solutions

# Fixed inactive leaf

8.1.9

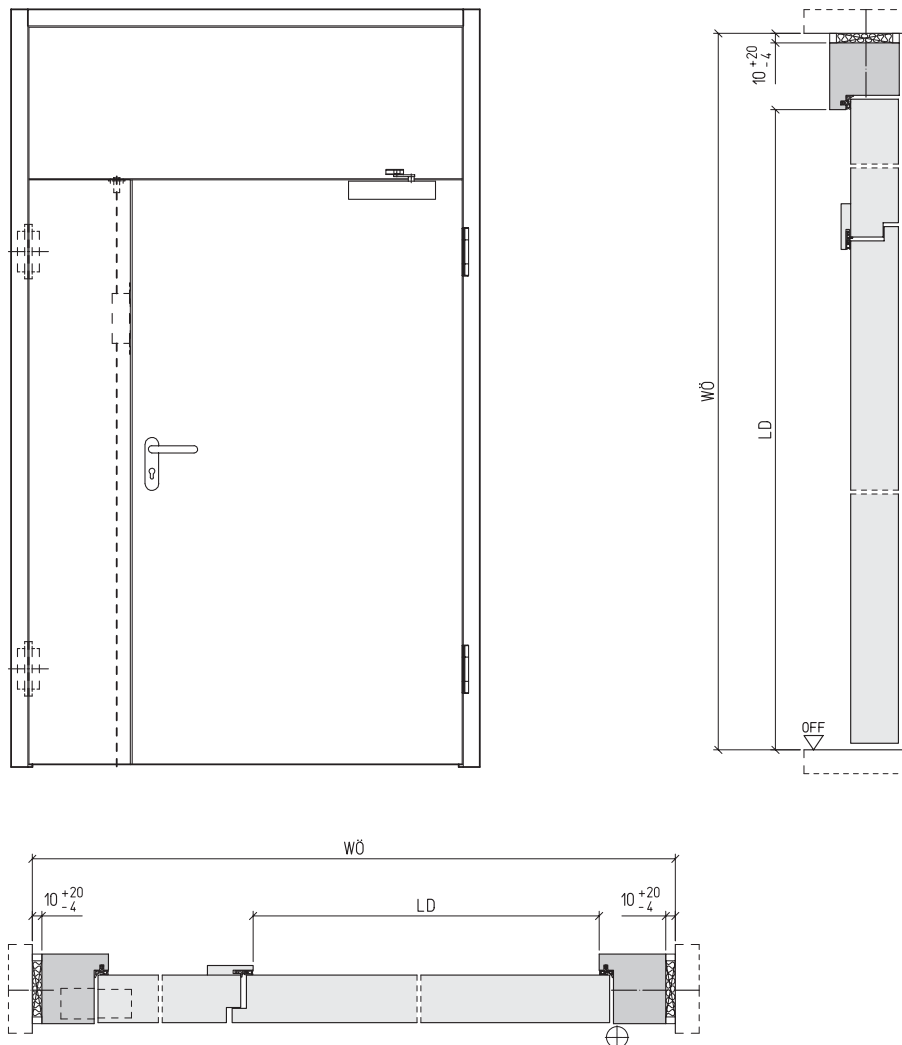
Schörghubers 2-leaf doors can also be delivered with a fixed inactive leaf.

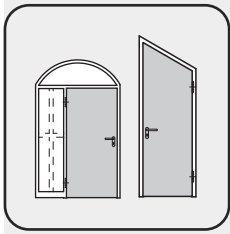
A door set with fixed inactive leaf contains the visual appearance of a 2-leaf door set, but the inactive leaf (side panel) can not be opened anymore. This can be realised with two possible versions.

### Version 1

The inactive leaf is equipped with concealed hinges and a shot-bolt lock with bolted handle. Hereby a door closer on the inactive leaf becomes unnecessary and therefore also a door coordination is unnecessary. The door set can still be used as a 2-leaf door set when it is opened by authorised personel, using a screw driver, in order to have the whole clear passageway available, for example to move furniture.

Wooden special doors





# Individual solutions

## Fixed inactive leaf

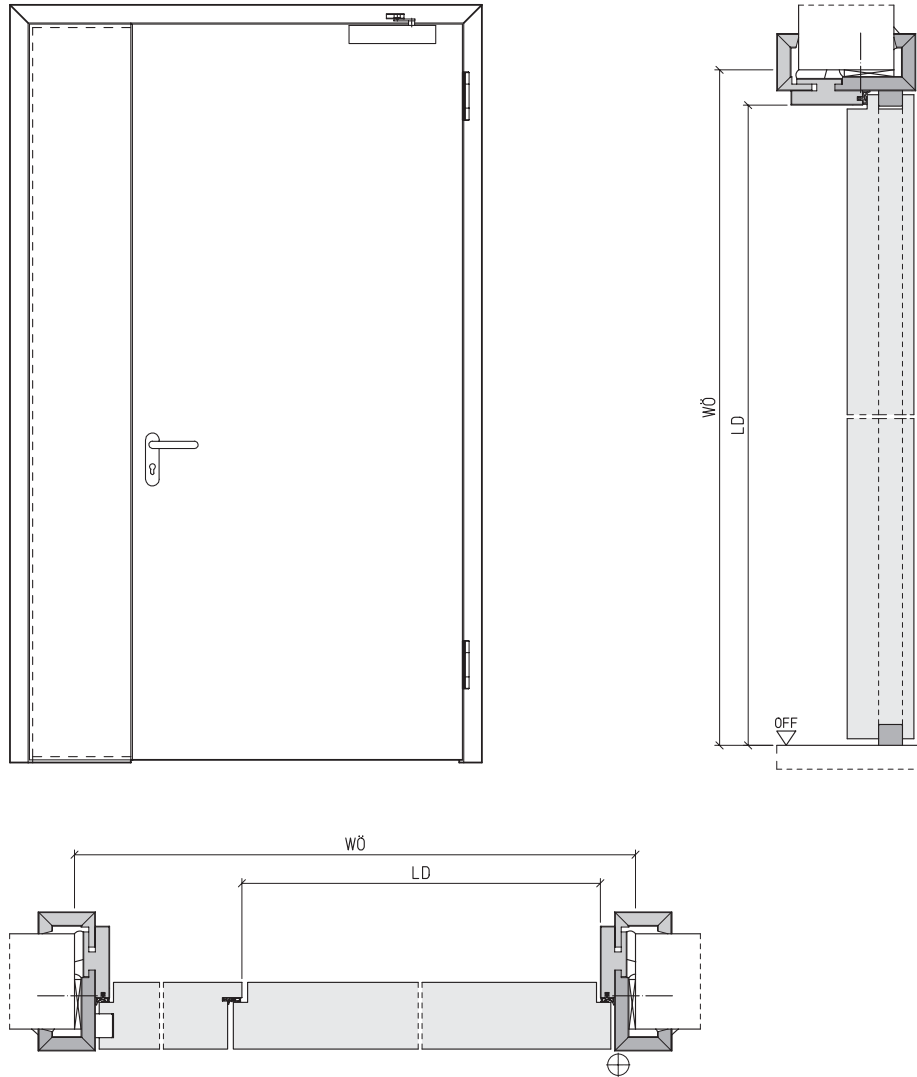
### Example

8.1.9

Wooden special doors

#### Version 2

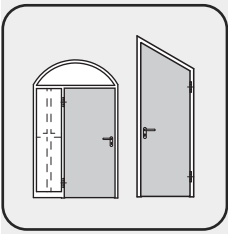
Inactive leaf without fittings, attached to bars and glued to the frame. The inactive leaf can not be opened anymore, no hinges or locks are necessary.



#### Possible multiple functions

Door type	max. BR	Multiple function						
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	WK 2	VT
4 N, 14 N	2750 x 3500 mm	○	○	○	○			○
26 N	3000 x 4000 mm	○	○	○			○	○
6 N	3000 x 3500 mm	○	○		○	○	○	○
27 N	3000 x 5000 mm	○	○	○	○		○	○

Other dimensions on request!



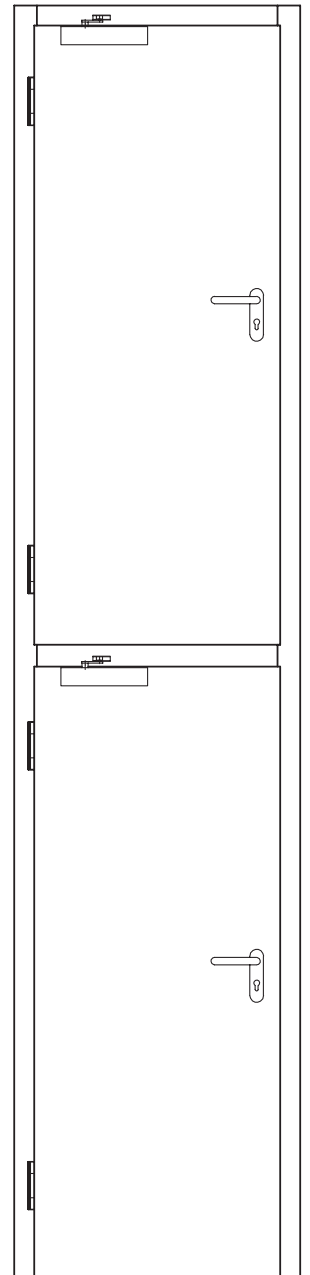
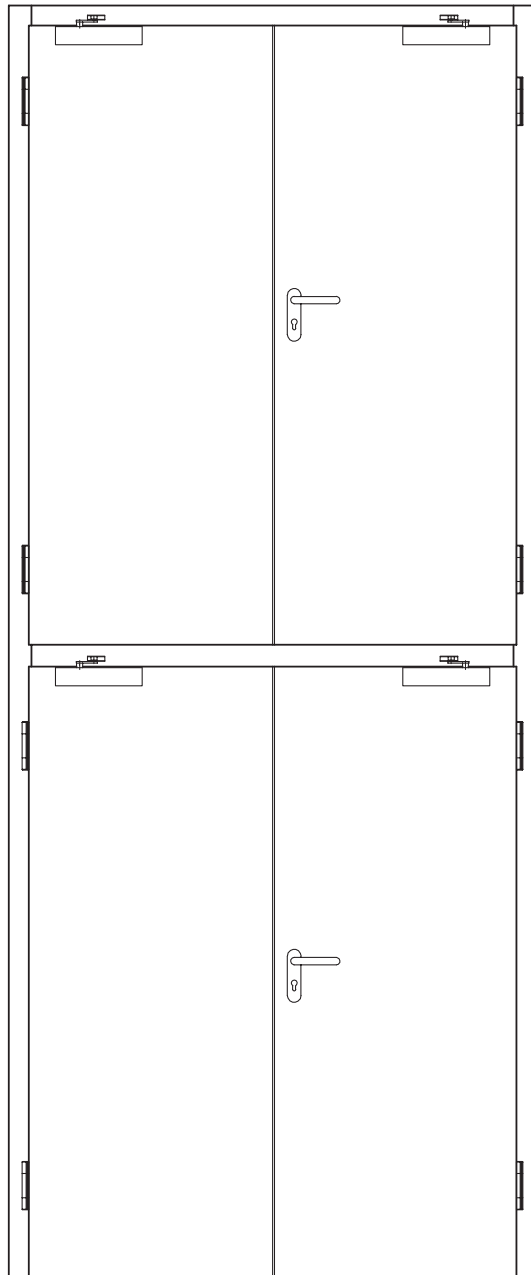
## Individual solutions

# Top panel as flap

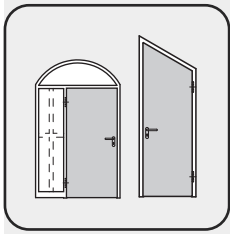
### Overview

8.1.10

For door sets with transom and top panel the top panel can be configured as 1- or 2-leaf flap (e.g. for junction boxes).



Wooden special doors



# Individual solutions

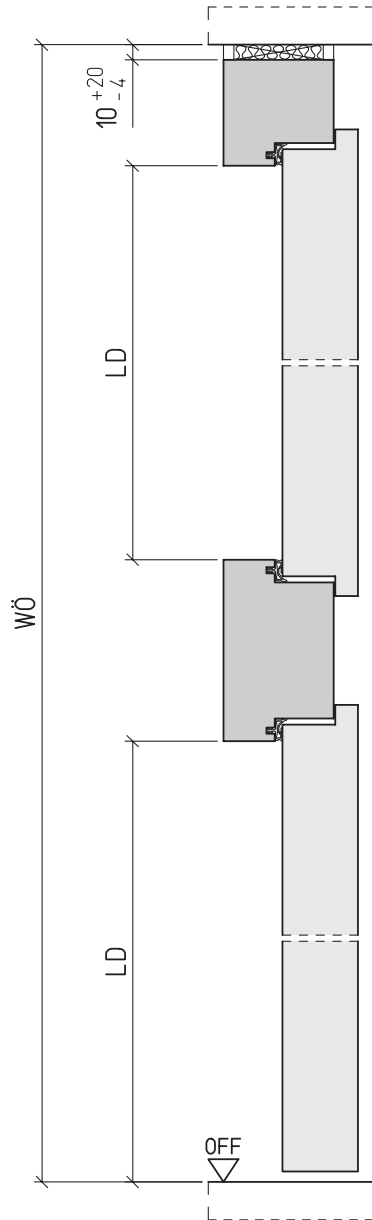
## Top panel as flap

### Details

8.1.10

Wooden special doors

Detail: Vertical cross section



Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1375 x 3500 mm	○	○	○	○	○	○
16 N	1500 x 4000 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
25 N	1500 x 5000 mm	○	○	○	○		○
4 N, 14 N	2750 x 3500 mm	○	○	○	○		○
26 N	3000 x 4000 mm	○	○	○			○
6 N	3000 x 3500 mm	○	○		○	○	○
27 N	3000 x 4000 mm	○	○	○	○		○

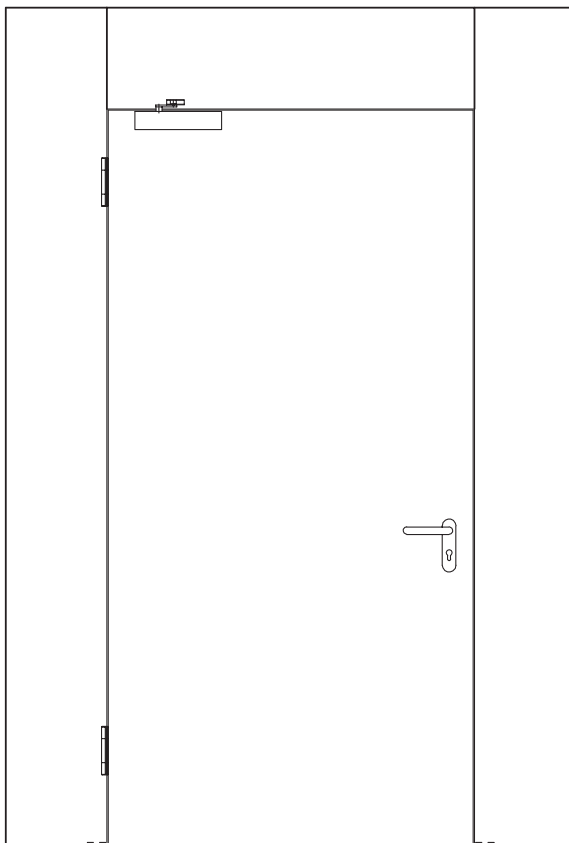
Other dimensions on request!

## Individual solutions

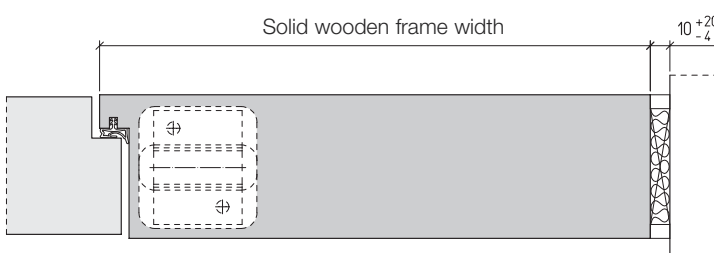
**Broadened wooden frame**

## Overview / Details

Solid wooden frames can on request be broadened over 250 mm. To fix it properly the frame is additionally fastened on the floor.

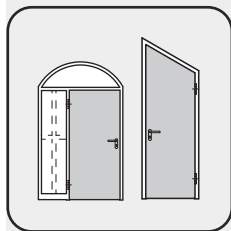


**Horizontal cross section: solid wooden frame with additional fixing point**

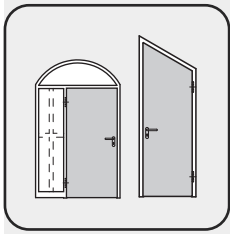
**Possible multiple functions**

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1375 x 2750 mm	○	○	○	○	○	○
16 N	1500 x 3500 mm	○	○	○			○
5 N	1500 x 3000 mm	○	○		○	○	○
25 N	1500 x 3750 mm	○	○	○	○		○
35 N	1314 x 2282 mm	○	○	○	○		○
4 N, 14 N	2750 x 2750 mm	○	○	○	○		○
26 N	3000 x 3500 mm	○	○	○			○
6 N	3000 x 3000 mm	○	○		○	○	○
27 N	1500 x 3750 mm	○	○	○	○		○

**Other dimensions on request!**



Wooden special doors



## Individual solutions

8.1.12

# Door in wall covering

## Overview / Example

Schörghuber doors can be installed as concealed doors, integrated in wall coverings. The two available versions thereby offer a maximum reduction of the visible joints.

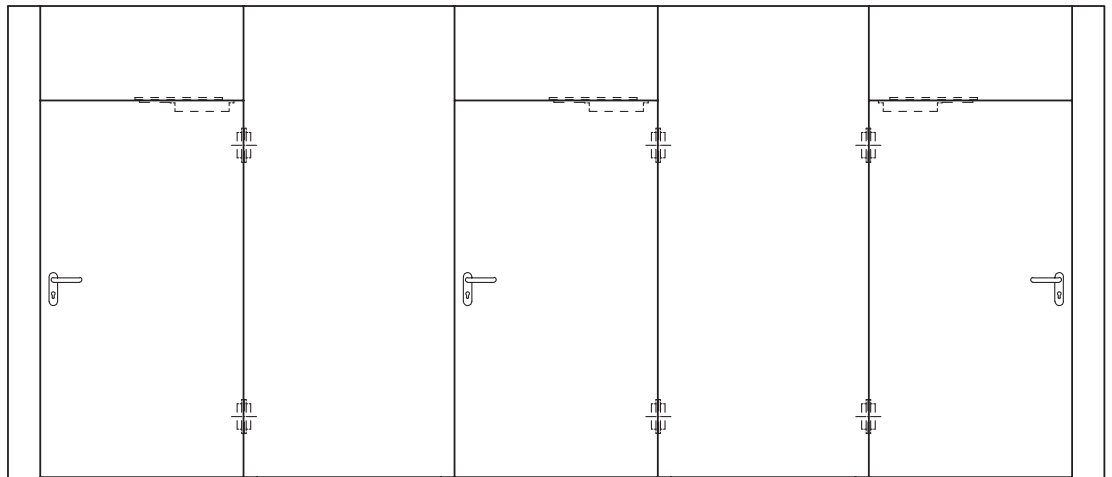
### Recommendation

By using concealed fittings (hinges, integrated door closer and for 2-leaf door sets concealed shot-bolt locks) the optical impression of a flush and connected surface is enhanced even more.

### Version 1: door sets connected by side panels

Example with top panels and side panels

#### View

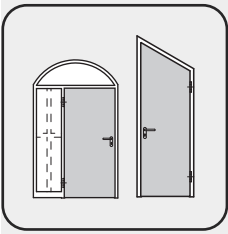


Wooden special doors

### Possible multiple functions

Door type	max. BR	Multiple function					
		T 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1375 x 2750 mm	○	○	○	○	○	○
16 N	1500 x 3500 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
25 N	1500 x 3750 mm	○	○	○	○		○
4 N, 14 N	2750 x 2750 mm	○	○	○	○		○
26 N	3000 x 3500 mm	○	○	○			○
6 N	3000 x 3000 mm	○	○		○	○	○
27 N	1500 x 3750 mm	○	○	○	○		○

Other dimensions on request!



## Individual solutions

8.1.12

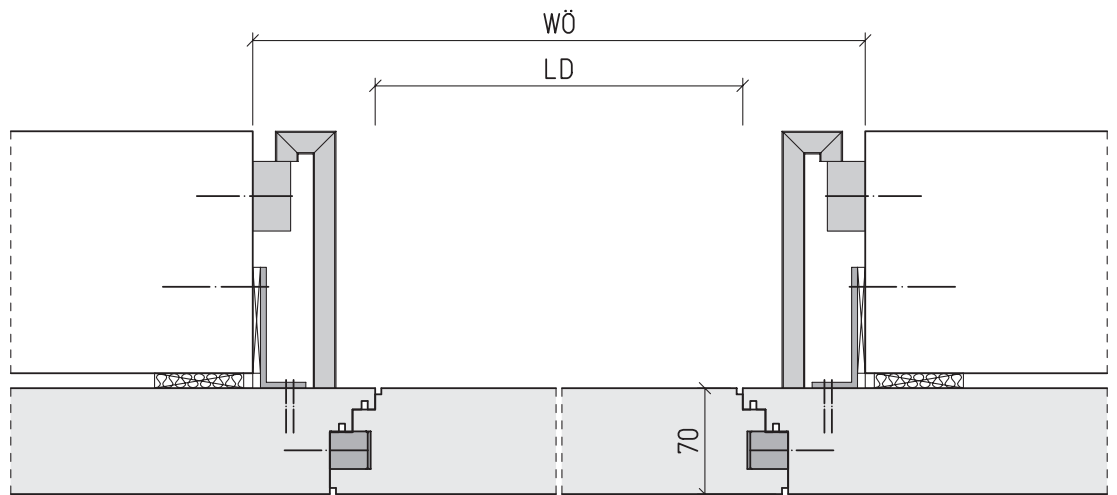
# Door in wall covering

## Details

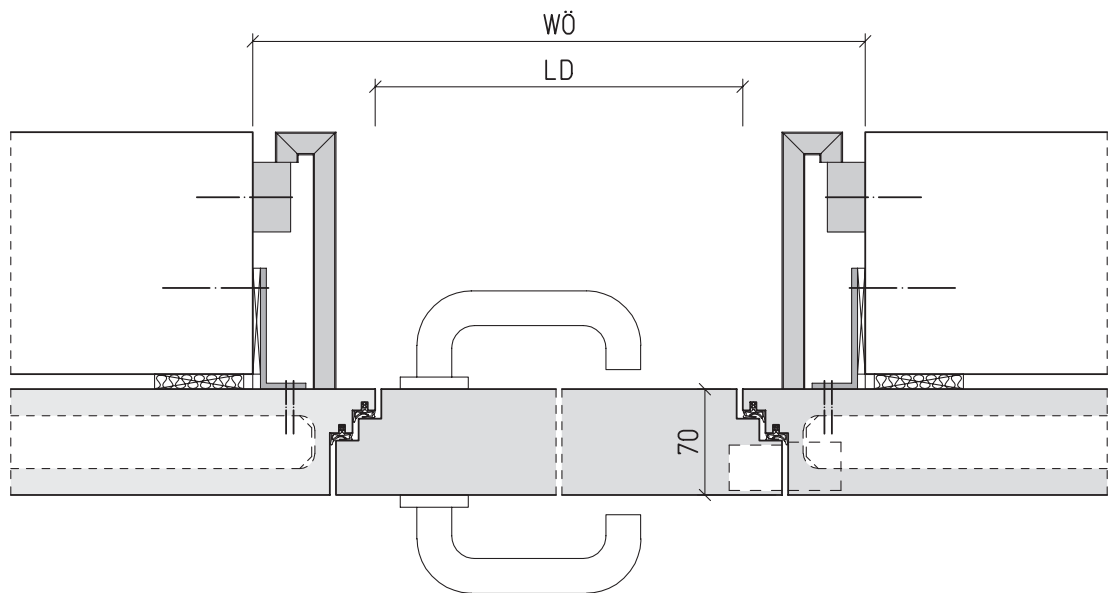
### Version 1:

Example with 2 sealing levels for increased Sound-Insulation

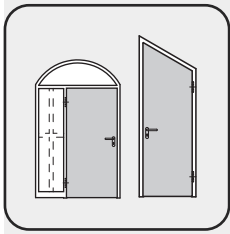
#### Horizontal cross section in the area of the top panel



#### Horizontal cross section in the area of the door



Wooden special doors



Individual solutions

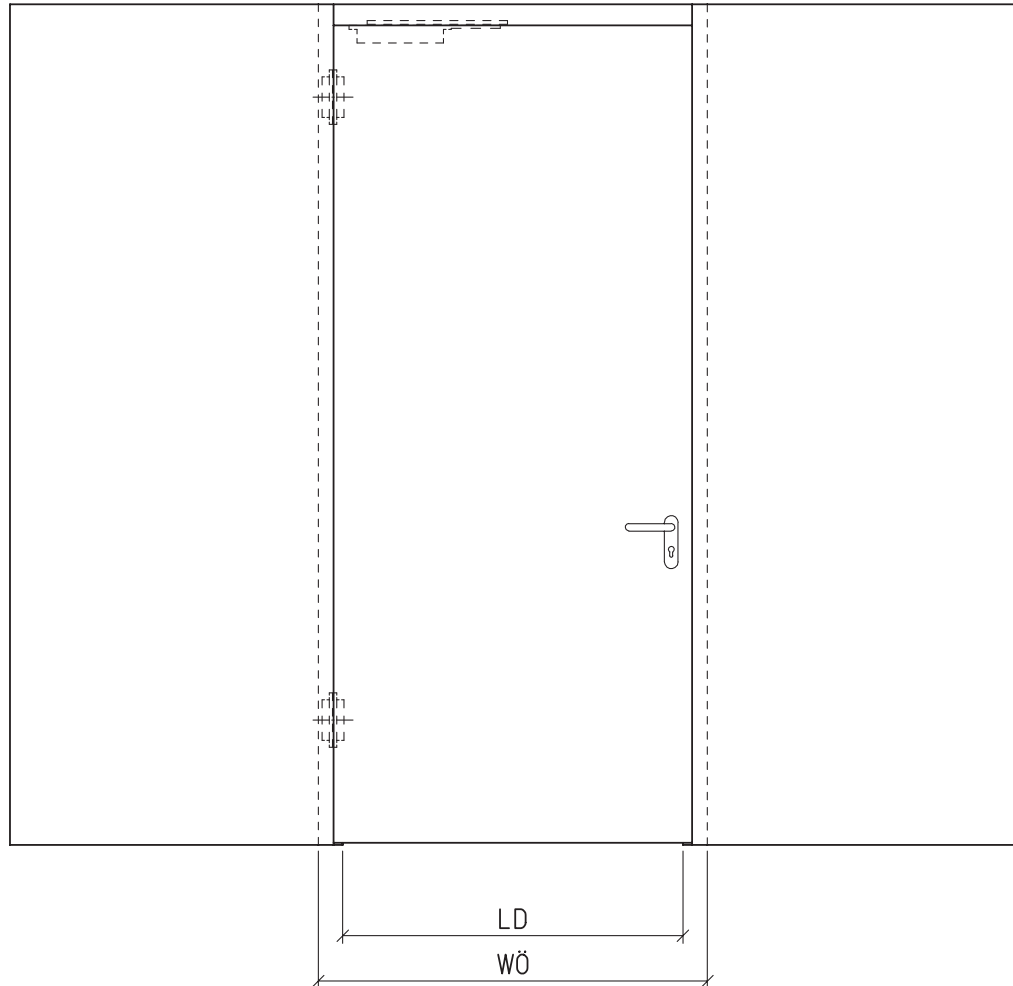
8.1.12

## Door in wall covering

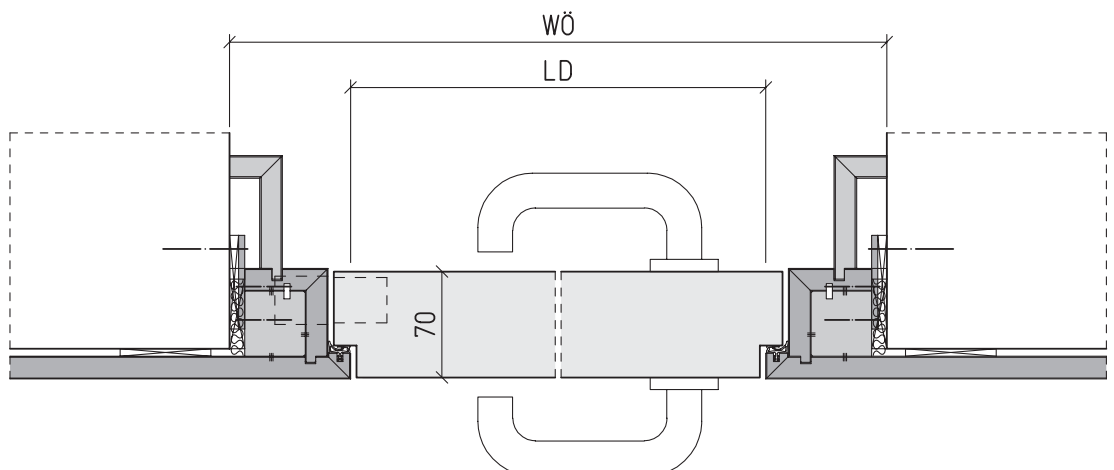
Example / Details

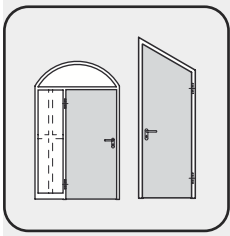
**Version 2: side or top panels as elongation of a frame fold part**

Example with two side panels



**Horizontal cross section**





## Individual solutions

8.1.13

# Free-standing door set in glazing

## Overview / Example

Answering the demand of achieving the maximum possible glass surface area Schörghuber doors can be installed without horizontal or vertical posts and therefore be installed free-standing in the glazing. Hereby the glass panes, which are glued together with silicone, take the bearing load for the door set. A solid wooden frame is always used.

Any variation of segmentation, either with side panels and/or fanlight is possible.  
 ➔ Chapter "Glazings".

### Recommendation

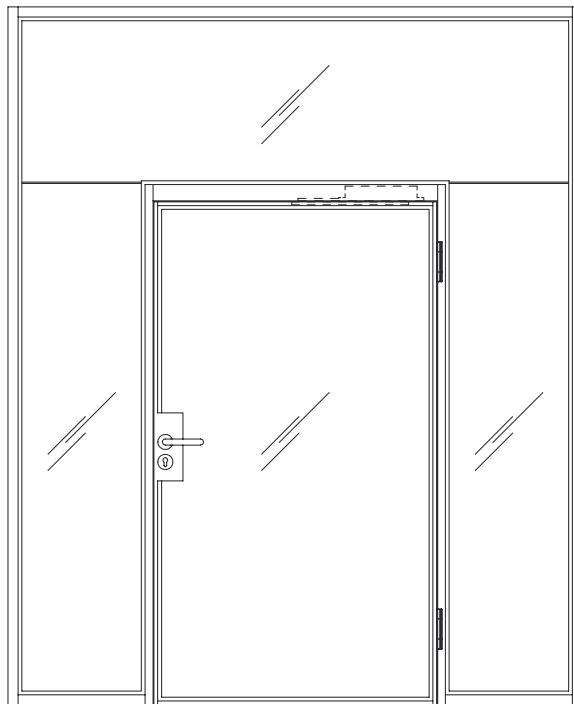
If a solid wood framed door Type 25 N / 27 N in "Slimline" configuration is used the maximum transparency is reached.

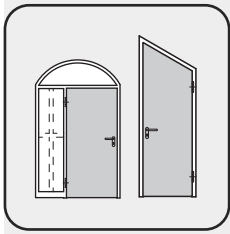
### Suitable types of glass:

Type of glass	Thickness	Max. pane size:
Promat Systemglas 30, Type 20	24 mm	1200 x 2900 mm
SWISSFLAM STRUKTURE 30	≥ 23 mm	1950 X 3150 mm
Schott Pyran S	≥ 12 mm	On request
ESG, VSG	≥ 12 mm	On request

(The necessary pane thickness and maximum size has to be calculated in each individual case according to the static requirements).

### Example: Model 25.00 "Slimline" with continous pane as fanlight





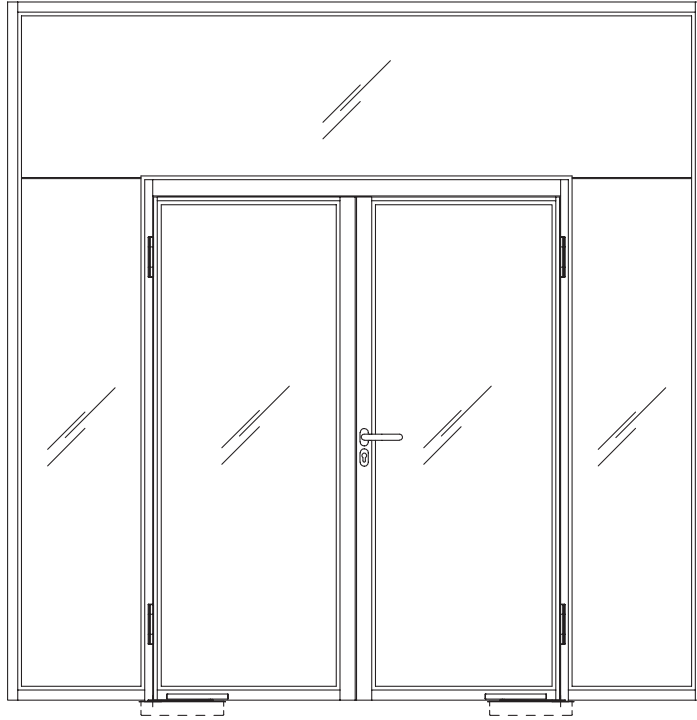
Individual solutions

8.1.13

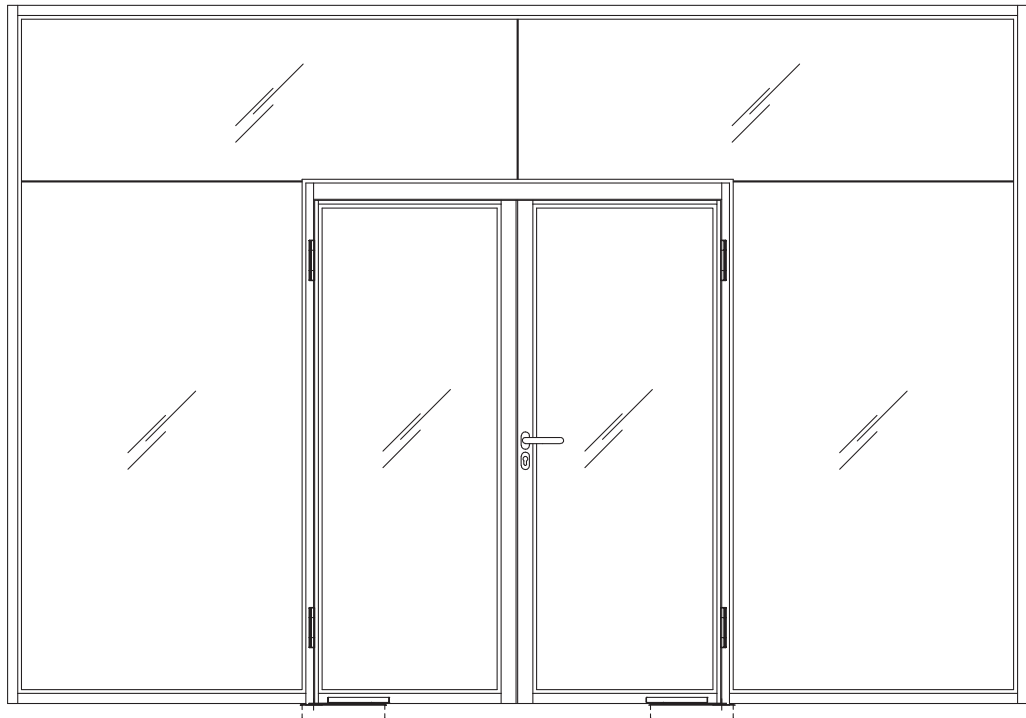
## Free-standing door set in glazing

Example

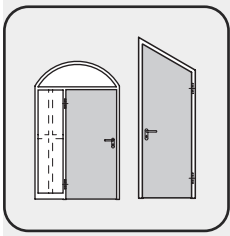
Example: Model 27.00 "Slimline" with continuous pane as fanlight



Example: Model 27.00 "Slimline" with separated glass pane as fanlight



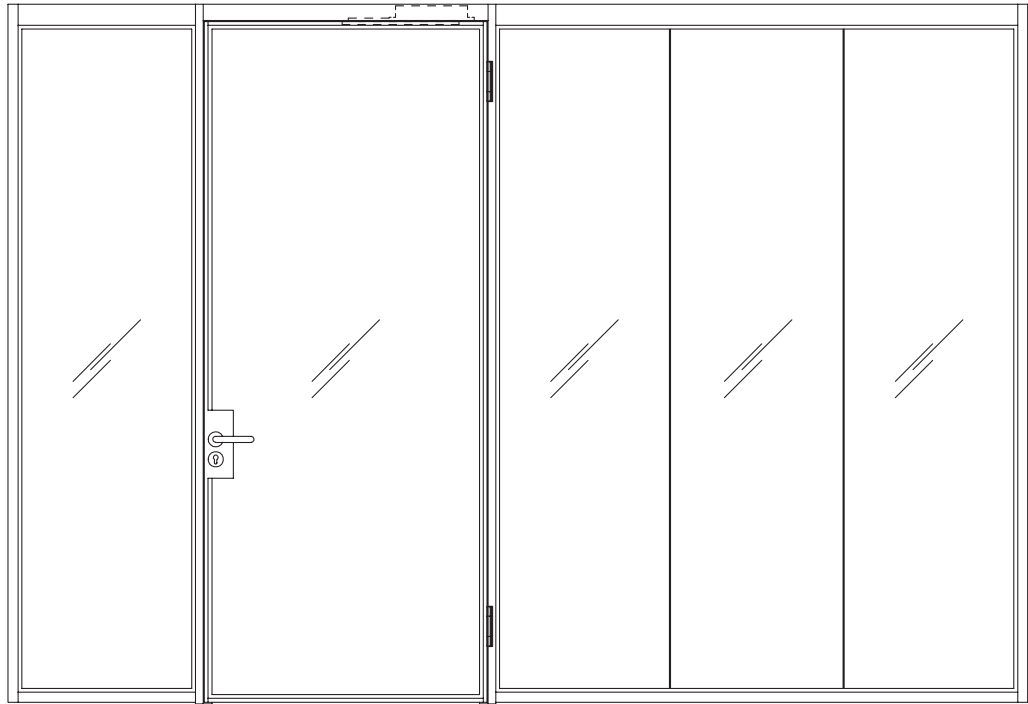
Wooden special doors



# Free-standing door set in glazing

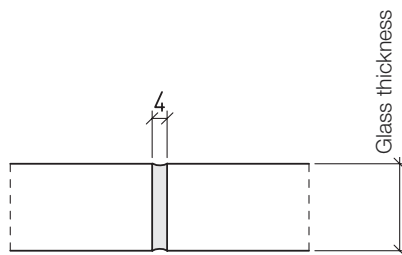
Example / Details

Example: Model 25.00 "slimline" with continuous vertical panes

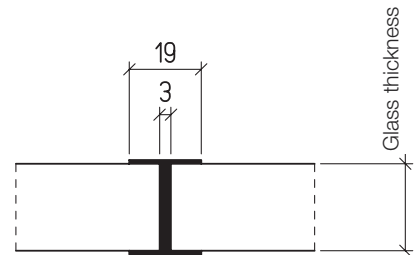


Wooden special doors

Detail: glass joint with silicone seal



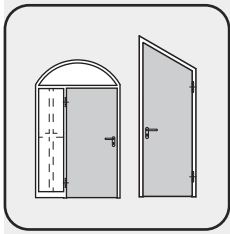
Detail: glass joint with silicone inlay



### Possible multiple functions

Door type	max. BR	Multiple function				
		T 30	RS	Rw,P 32	Rw,P 37	VT
3 N, 13 N	1311 x 2718 mm	○	○	○	○	○
16 N	1436 x 3468 mm	○	○	○		○
5 N	1436 x 2968 mm	○	○		○	○
25 N	1436 x 3718 mm	○	○	○	○	○
4 N, 14 N	2686 x 2718 mm	○	○	○	○	○
26 N	2936 x 3468 mm	○	○	○		○
6 N	2936 x 2968 mm	○	○		○	○
27 N	2936 x 3718 mm	○	○	○	○	○

Other dimensions on request!



## Individual solutions

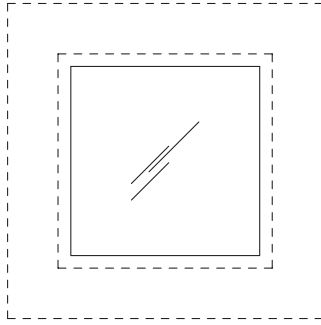
8.2.1

# Wall connection of frameless glazings

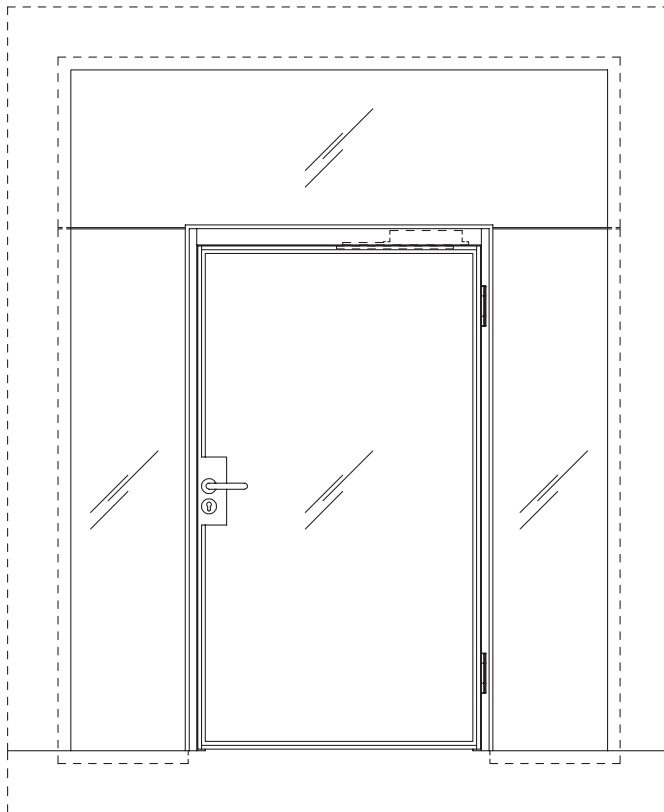
## Overview

The wall connection of fixed glazings Type 25 V, but also of glazed side panels or fanlights of door sets, can be integrated directly in the wall covering or connected to the wall as frameless glazing.

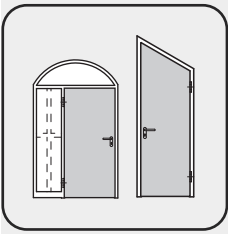
### Example: fixed glazing Type 25 V as single pane glazing



### Example: Model 25.00 "slimline" free-standing in the glazing



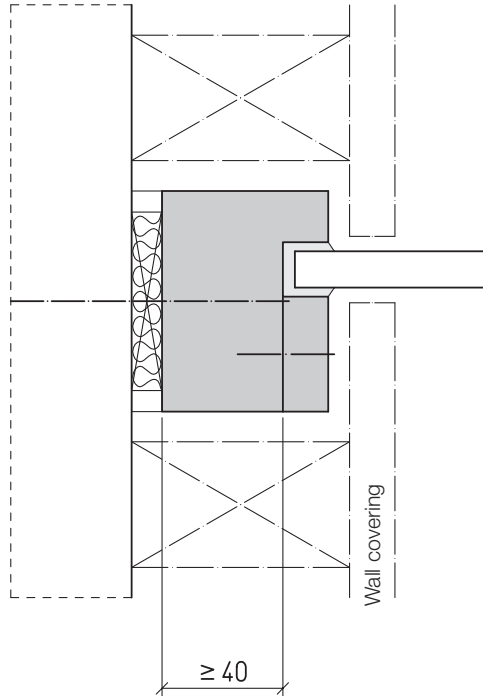
Wooden special doors



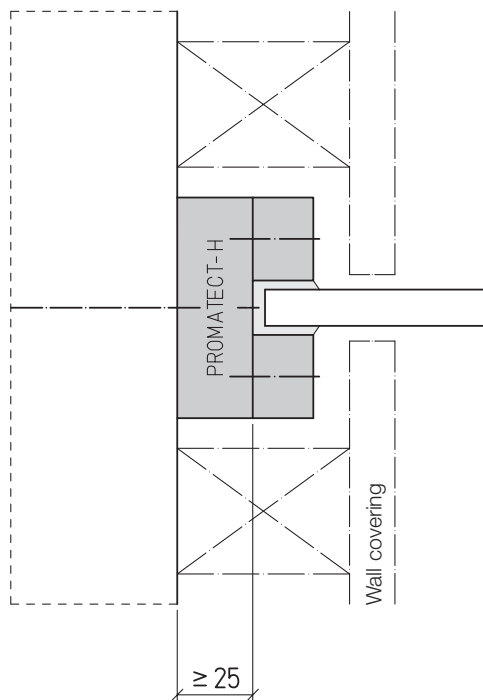
# Wall connection of frameless glazings

Version

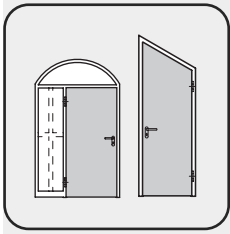
**Version 1: with solid wooden frame**



**Version 2: with Promatect-H frame**



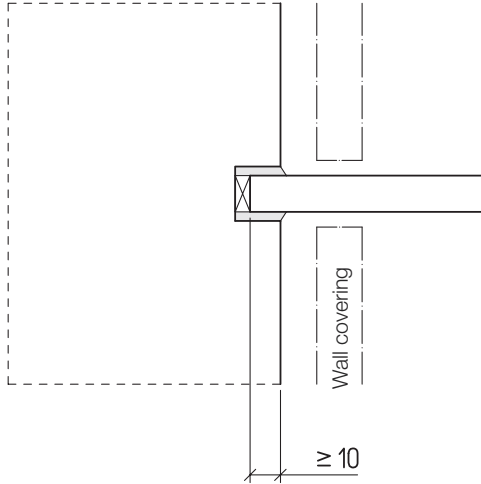
Wooden special doors



# Wall connection of frameless glazings

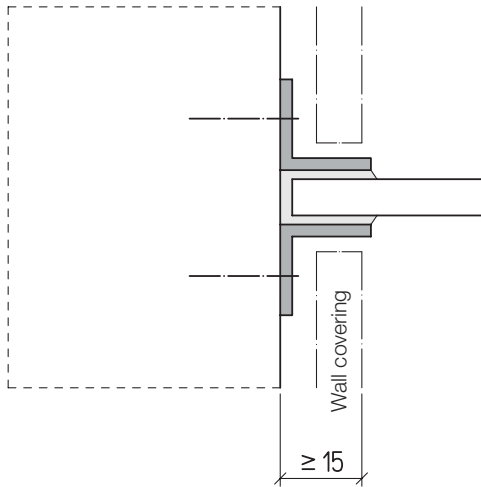
## Version

### Version 3: groove in connecting wall (concrete wall)



Wall covering optional

### Version 4: steel bracket fastening

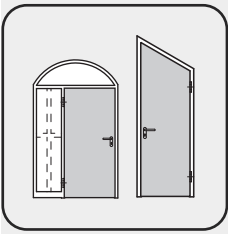


Wall covering or plaster optional

### Possible multiple functions

Door type	max. LD	Multiple function					
		T30/F30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N, 13 N	1311 x 2718 mm	○	○	○	○	○	○
16 N	1436 x 3468 mm	○	○	○			○
5 N	1436 x 2968 mm	○	○		○	○	○
25 N	1436 x 3718 mm	○	○	○	○		○
4 N, 14 N	2686 x 2718 mm	○	○	○	○		○
26 N	2936 x 3468 mm	○	○	○			○
6 N	2936 x 2968 mm	○	○		○	○	○
27 N	29,36 x 3718 mm	○	○	○	○		○
25 V	unlimited x 5000	○	○	○	○	○	○

Other dimensions on request!



## Individual solutions

8.2.2

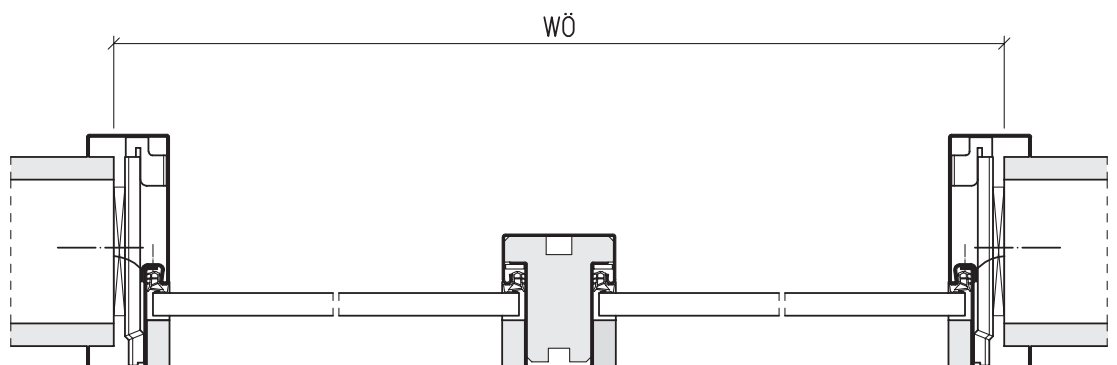
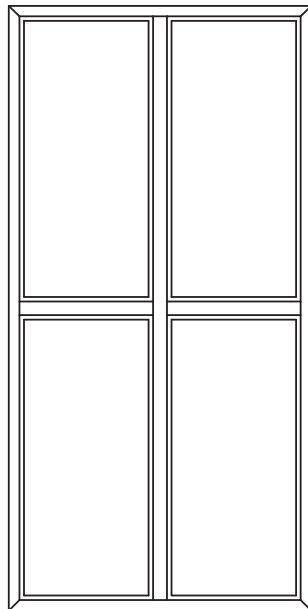
# Fixed glazing Type 25 V with alternative frame materials

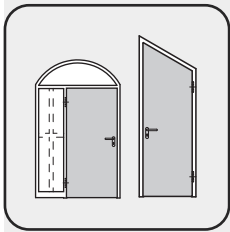
## Overview / Example

The fixed glazing Type 25 V is not only available as solid wood door set, but also with wooden wrap-around frame, wooden block frame or steel frame.

All infills (glass, fillings, panels) can also, as with the frame made of solid wood, be inserted in the according sizes. As wall connections the versions shown in the chapter "frames" can be chosen from.

### Example: 2-part steel frame in trapezoid anchor fastening





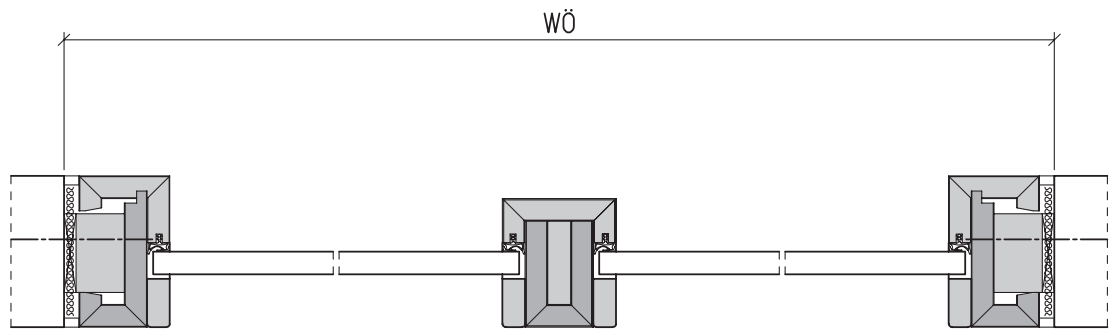
Individual solutions

8.2.2

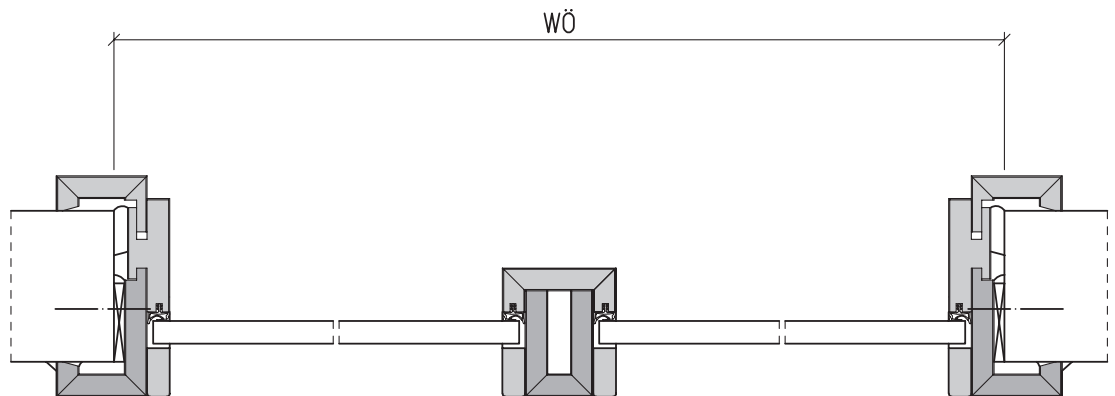
## Fixed glazing Type 25 V with alternative frame materials

Example

Example: wooden block frame



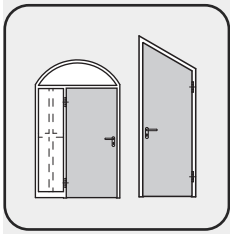
Example: wooden wrap-around frame



Possible multiple functions

Type	max. BR	Multiple function					
		F 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
25 V	Unbegr. x 5000 mm	○	○	○	○	○	○

Other dimensions on request!



## Individual solutions

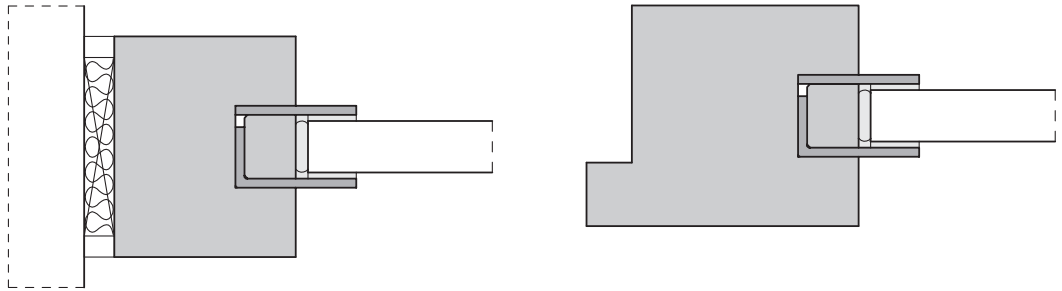
8.3.1

# Stainless steel glazing beads

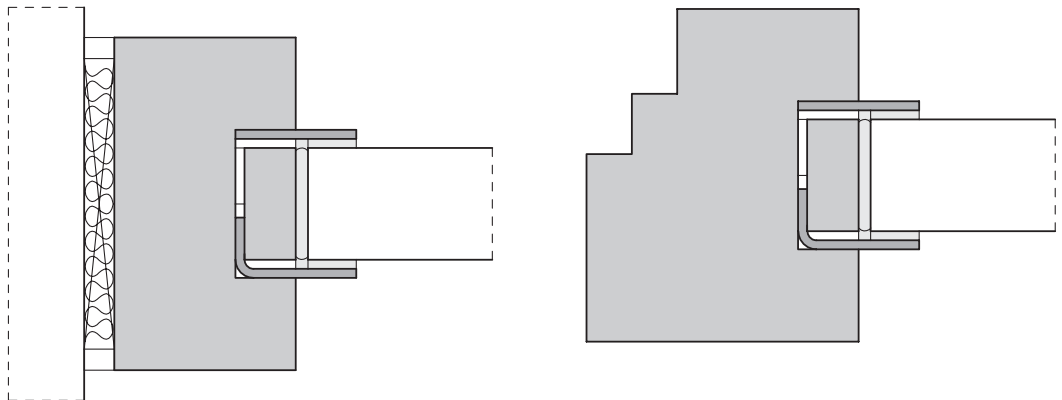
## Overview / Details

The glazing beads of solid wood door sets (glazing Type 25 V, 90 V and doors Type 25 N / 27 N, 91 N / 92 N) can be substituted by stainless steel glazing beads.

### Solid wood door sets F 30 / T 30



### Solid wood door sets F 90 / T 90

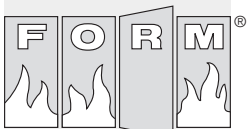


Wooden special doors

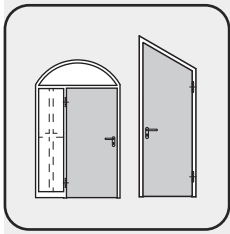
### Possible multiple functions

Type	max. BR	Multiple function					
		T 30 / F 30 T 90 / F 90	RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
25 N	1500 x 3750 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
27 N	3000 x 3750 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
91 N	1404 x 3028 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
92 N	2806 x 3028 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25 V	unlimited x 5000 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
90 V	unlimited x 5000 mm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Other dimensions on request!



Schörghuber



## Individual solutions

## 8.3.2

### Flush glazings

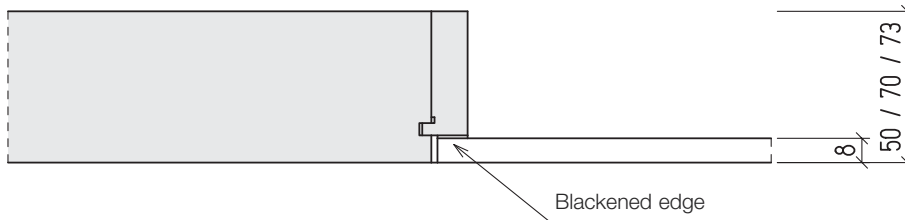
#### Overview / Version

The glass panes of fixed glazings can be installed flush on either one or two sides. For doors the glass panes are inserted during the production and sealed with a slim silicone joint and a blackened (or on request in a different colour) spacing strip. The panes can also be printed on their border area.

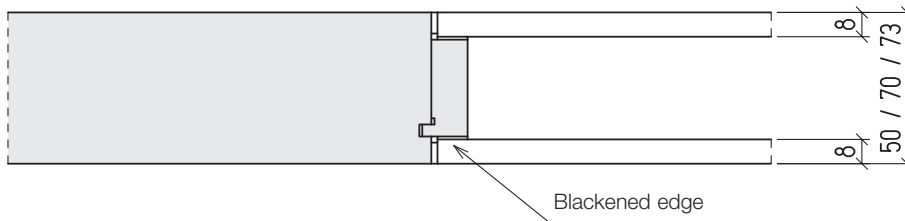
If fixed glazings Type 25 V or side and top panels are glazed on site an additional flush glass pane can be glued on the set back glazing cross bar on either one or two sides.

An elegant method which guarantees a longterm high quality glazing is offered by Schörghuber with the insulation glass panes in frame width, which are installed during production for doors and just need to be inserted and sealed on site for fixed glazings (see version 4).

#### Version 1: flush on one side (RS, SD 32, SD 37, VT)



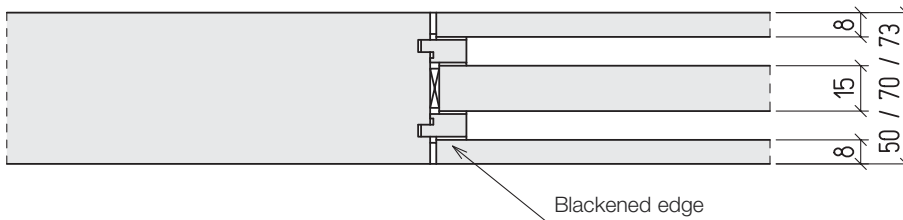
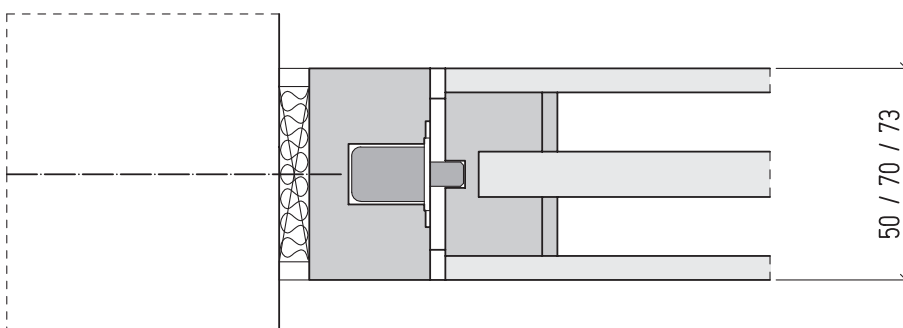
#### Version 2: flush on both sides (RS, SD 42, VT)



## Individual solutions

**Flush glazings**

## Version

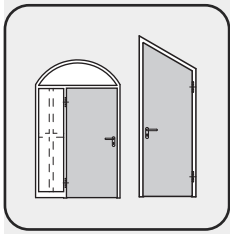
**Version 3: flush on both sides (T 30, F 30, RS, SD 42)****Version 4: flush on both sides (T 30, F 30, RS, SD 50)**

Wooden special doors

**Possible multiple functions**

Type	max. BR	Multiple function						
		T 30 / F 30	RS	Rw,P 32	Rw,P 37	Rw,P 42	Rw,P 50	VT
1 N	1250 x 2250 mm		○	○				○
3 N / 13 N	1375 x 2750 mm	○	○	○	○			○
16 N	1500 x 3500 mm	○	○	○				○
5 N	1500 x 3000 mm	○	○		○	○		○
25 N	1500 x 3750 mm	○	○	○	○			○
4 N / 14 N	2750 x 2750 mm	○	○	○	○			○
26 N	3000 x 3500 mm	○	○	○				○
6 N	3000 x 3000 mm	○	○		○	○		○
27 N	3000 x 3750 mm	○	○	○	○			○
25 V	unlimited x 5000 mm	○	○	○	○	○	○	○

**Other dimensions on request!**



## Individual solutions

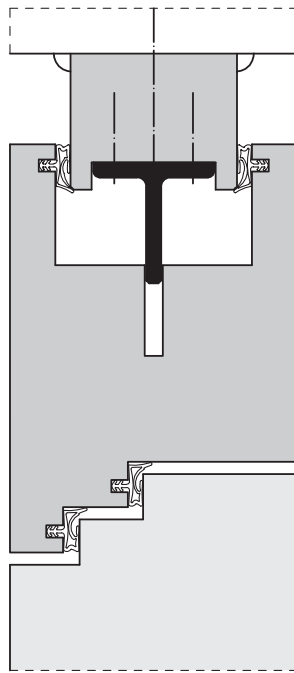
8.3.3

# Overlapping upper connection

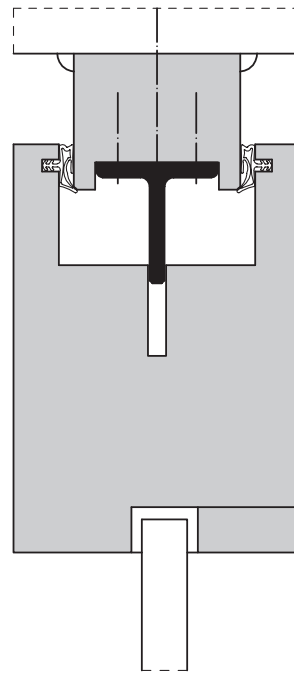
## Overview / Details

Possible deformations in larger ceiling spans need to be absorbed by an overlapping upper connection in the area of the frame head respectively the upper glazing frieze. Schörghuber offers solutions for different connection options and requirements.

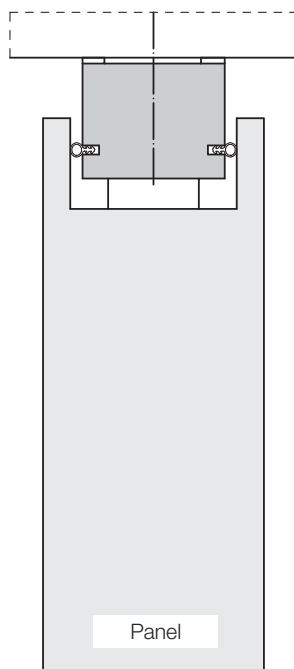
**Door set with solid wooden frame**



**Fixed glazing**



**Top panel (for configuration without frame head)**

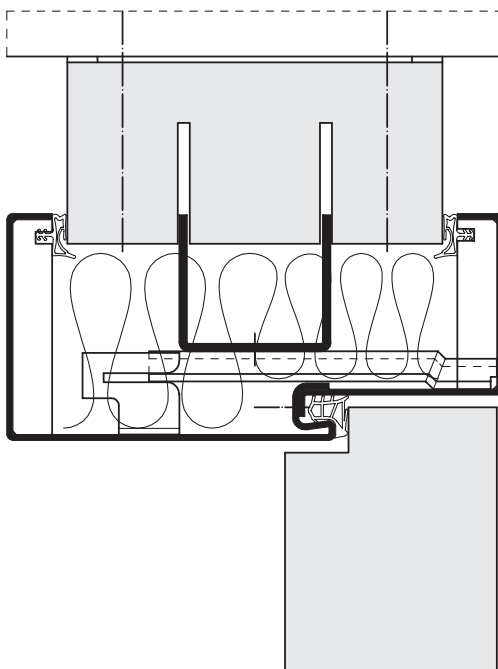


Wooden special doors

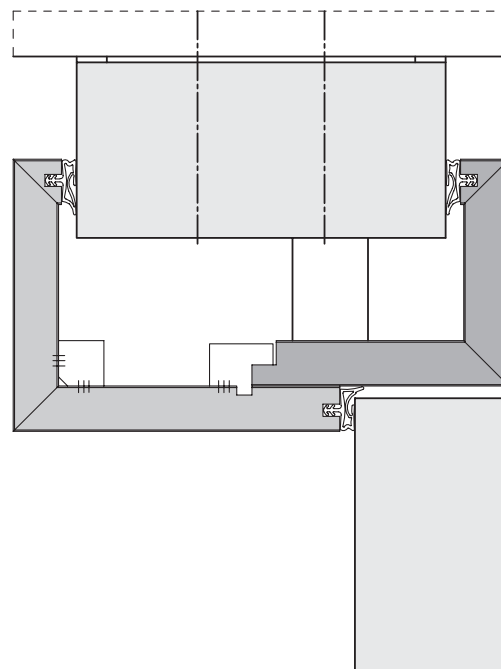
**Overlapping upper connection**

## Details

Steel frame



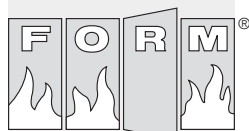
Wooden block frame

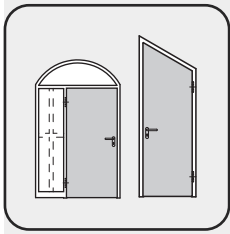


Wooden special doors

**Possible multiple functions**

Type	max. BR	T 30 / F 30	Multiple function				
			RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
3 N / 13 N	1375 x 3500 mm	○	○	○	○		○
16 N	1500 x 4000 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
25 N	1500 x 5000 mm	○	○	○	○		○
4 N / 14 N	2750 x 3500 mm	○	○	○	○		○
26 N	3000 x 4000 mm	○	○	○			○
6 N	3000 x 3500 mm	○	○		○	○	○
27 N	3000 x 5000 mm	○	○	○	○		○
25 V	unlimited x 5000 mm	○	○	○	○	○	○

**Other dimensions on request!****Schörhuber**



## Individual solutions

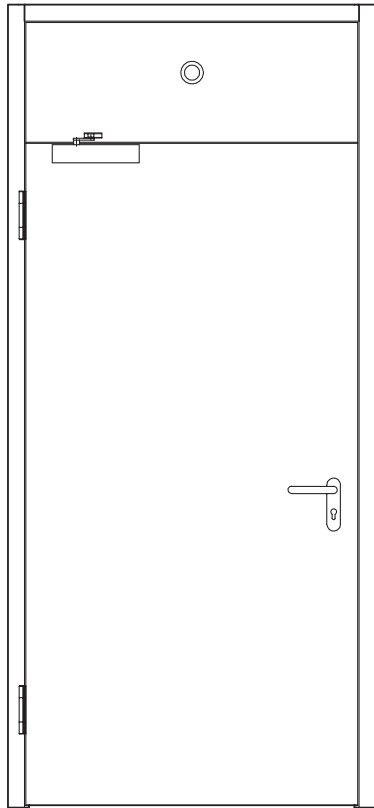
## 8.3.4

# Cable and pipe fairlead

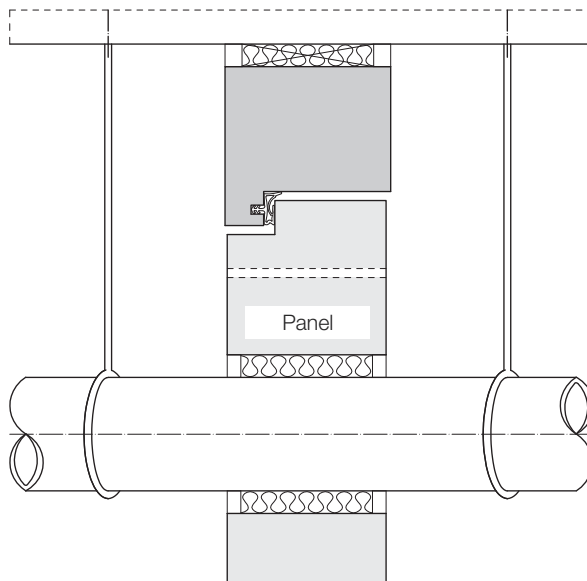
## Overview / Details

Cable or pipe fairleads can be passed through openings in top panels or glazing panels respectively panel fields on site. In order to fulfil the requirements of the fire protection certain specifications regarding diameter and material of the cable/pipe have to be taken into account.

### Example: 1-leaf door set with counter rebated top panel



### Detail: cable and pipe fairlead through the top panel

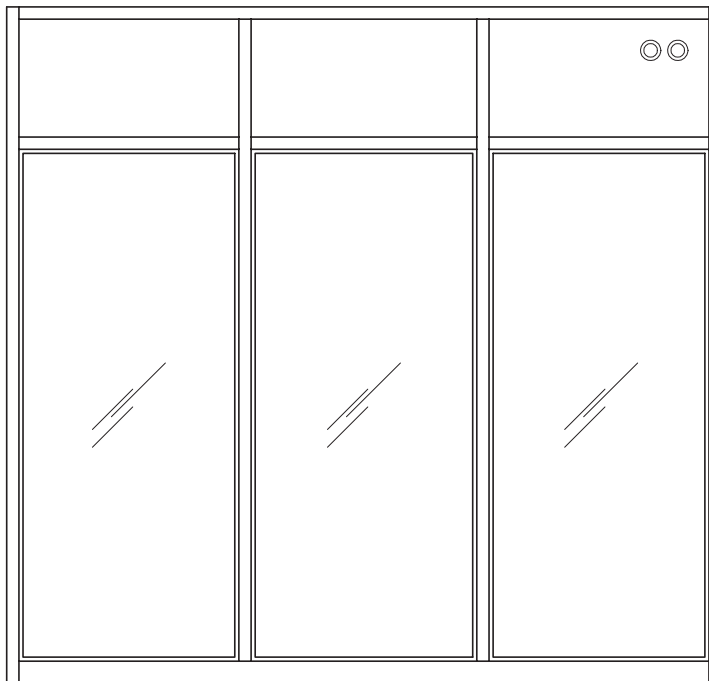


## Individual solutions

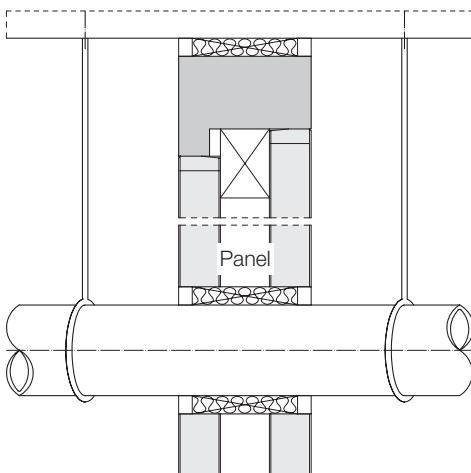
# Cable and pipe fairleads

### Details

Example: fixed glazing Type 25 V



Detail: cable and pipe fairlead through flush double wall panel



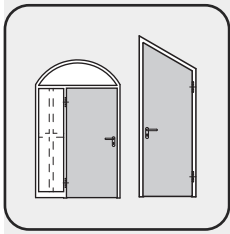
Possible multiple functions

Type	max. BR	T 30 / F 30	Multiple function				
			RS	Rw,P 32	Rw,P 37	Rw,P 42	VT
16 N	1500 x 4000 mm	○	○	○			○
5 N	1500 x 3500 mm	○	○		○	○	○
25 N	1500 x 5000 mm	○	○	○	○		○
26 N	3000 x 4000 mm	○	○	○			○
6 N	3000 x 3500 mm	○	○		○	○	○
27 N	3000 x 5000 mm	○	○	○	○		○
25 V	unlimited x 5000 mm	○	○	○	○	○	○

Other dimensions on request!



Wooden special doors



## Individual solutions

8.3.5

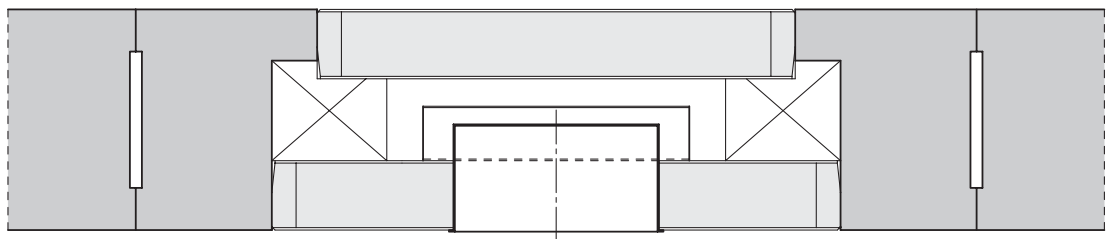
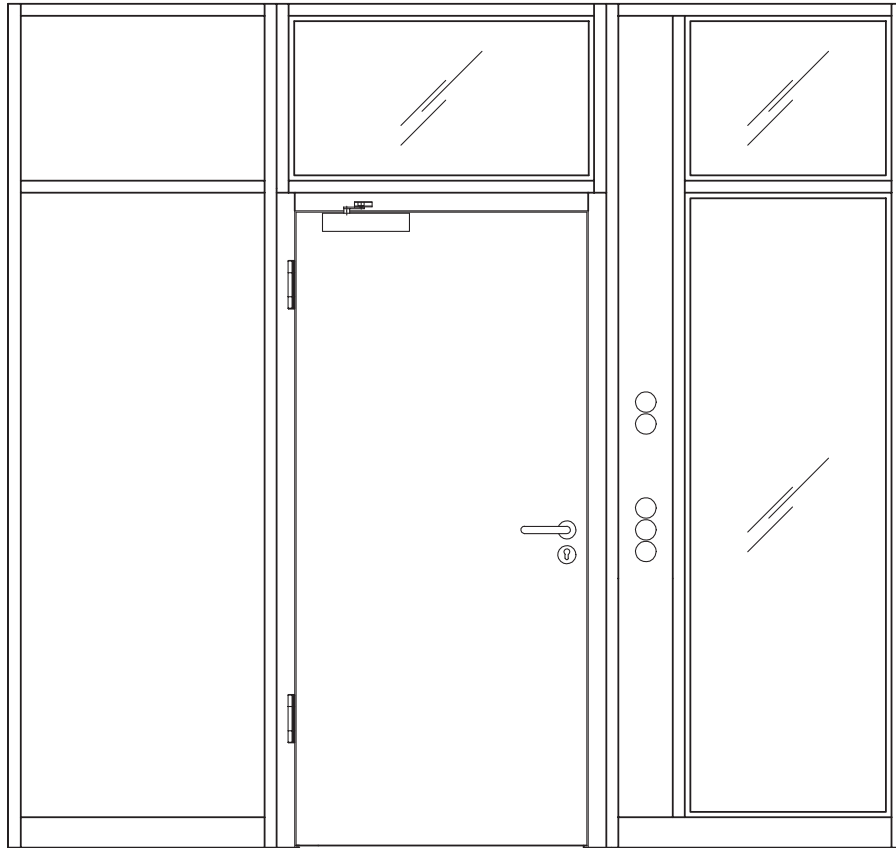
### Junction boxes

#### Overview / Example

Electrical installations such as light switches, door bells etc. require a junction box within the door set. Such installations can either be mounted directly into the frame, in a vertical post or in a connecting panel.

#### Example: junction boxes in panel field

– Fixed glazing Type 25 V



Horizontal cross section

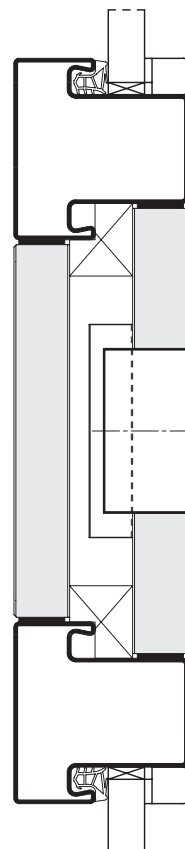
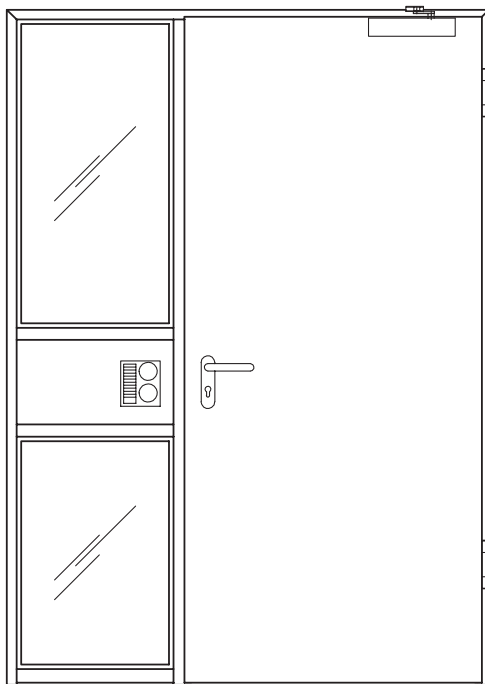
## Individual solutions

**Junction boxes**

## Example

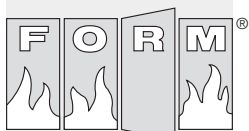
**Example: junction boxes in panel fields between two horizontal transoms**

- Fixed glazing Type 25 V
- Door sets with side panels of steel or wooden frames

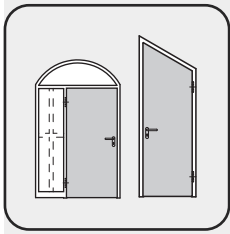


Vertical cross section

Wooden special doors



Schörghuber



## Individual solutions

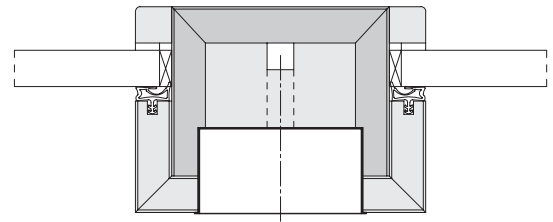
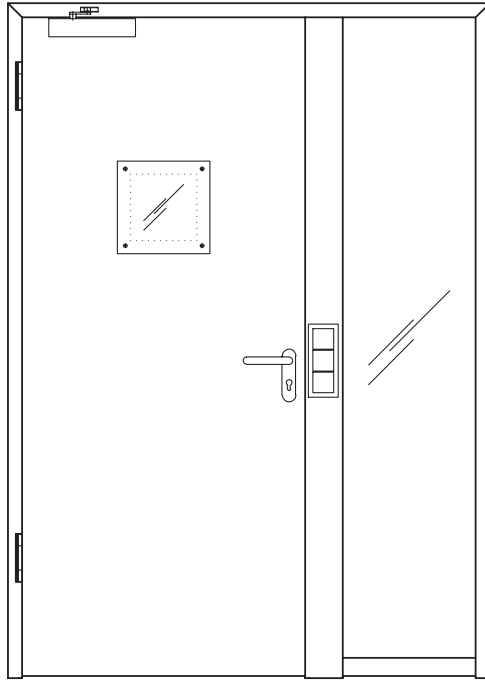
8.3.5

# Junction boxes

## Example

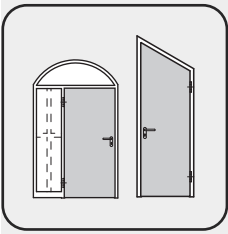
### Example: junction boxes in vertical frame posts

– Door sets with side panel



Horizontal cross section

Wooden special doors



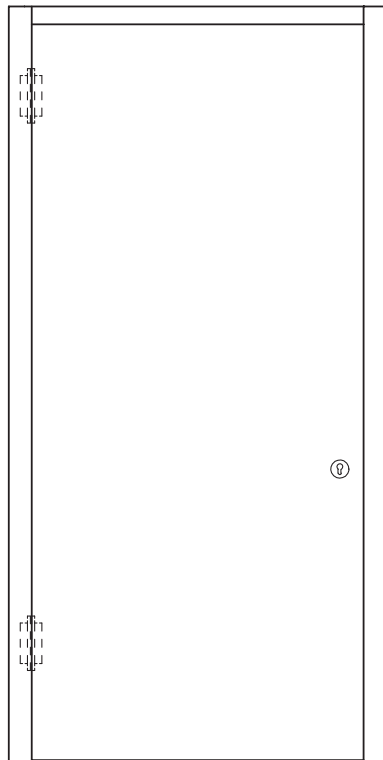
## Individual solutions

8.3.6

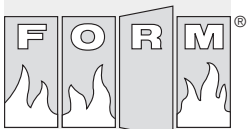
# Omitting the door handle and / or the door closer

If the door is used as a supply shaft door or a electrical cabinet door the door handle and / or door closer can be omitted. If it is a Fire- or Smoke-Protection-Door it must be guaranteed that only authorised pesonel can open the door with a key.

**Element view**  
with concealed hinges



Wooden special doors



Schörghuber