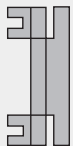


Hinge systems

Content

	Page
11.1 General information	934 - 935
11.2 Configurations, field of applications, bearing force	936 - 940
11.3 Hinge reference line	941 - 942
11.4 Overview of hinges for steel frames	943 - 952
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11.6 Variant hinges	960 - 964
11.7 Special hinges: concealed hinges	965 - 966
11.8 Special hinges: spring hinges	967



Hinge systems

11.1

General information

Requirements

Function

Hinges are the mechanical bond between door leaf and frame. They are inevitable for the perfect function (opening and closing) of a door. In order to guarantee the functionality of door sets the right choice of hinges is significant. Hereby the following criteria are important:

Requirements of the hinge construction

In regard of the planned field of application of the door set (e.g. hospitals, schools and universities, kindergartens, nursing and foster homes, public administrations, barracks, public and private housebuilding) and the door's function (Fire- and Smoke-Protection, Sound-Insulation, Burglar-Protection, Wet Room, etc.) the choice of right dimensioned hinges is important. Concerning this matter, the testing of hinges for Fire- and Smoke-Protection-Doors, which demands 200.000 opening cycles (long-term durability test) in order to simulate a service life of 20 years, should be mentioned.

Furthermore hinges for Burglar-Protection-Doors are tested under special static and dynamic stress. Rebated extremely sound-deadening doors ($R_{w,P} \geq 42$ dB) require the use of special hinges (FD hinges), in order to house the door leaf rebate gasket. Wet Room Doors have to be, due to their field of application, equipped with stainless steel hinges.

Load capacity and bearing force

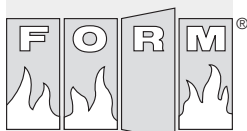
The load capacity of hinges does not only depend on the door leaf weight, but on different factors of influence as for example the door leaf width and height (balance point and leverage) as well as the opening frequency, hinge alignment, type of material, the fastening of the hinges and also the door closer and doorstop. The listed stress factors can clearly increase the stress on the hinges. Therefore an adequate weight reserve of about 20 kg with regard to the bearing force stated by the hinge manufacturer is advisable and already taken into account for in the following table. ➔ Chapter 11.2

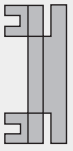
Surface range

The various surface configurations allow the planner to match the different parts and pieces of the fittings.

- Galvanized
- Matt nickel-plated
- Matt chrome-plated
- Bronzed
- Dark bronzed
- Matt brass-plated
- Brass-plated (polished)
- Stainless steel
- RAL-coloured
- Plastic material-coated

A durable corrosion protection can only be ensured by galvanised, stainless steel or plastic material-coated hinges. All other surface configurations serve visual demands only.





Hinge systems

11.1

General information

Configurations and technical terms

Brand, configuration and size

Schörghuber by default uses 3-parted hinges of leading hinge manufacturers with special crank dimensions.

According to the brand and the hinge type, different surface configurations as well as constructive and optical differences are possible. Therefore hinge configurations with visible ball bearings or with concealed ball bearing or friction bearing technic are to be mentioned.

The standard height of the hinges at Schörghuber is 160 mm. Depending on their function, hinges can on request also be chosen with a height of 100 mm or 120 mm.

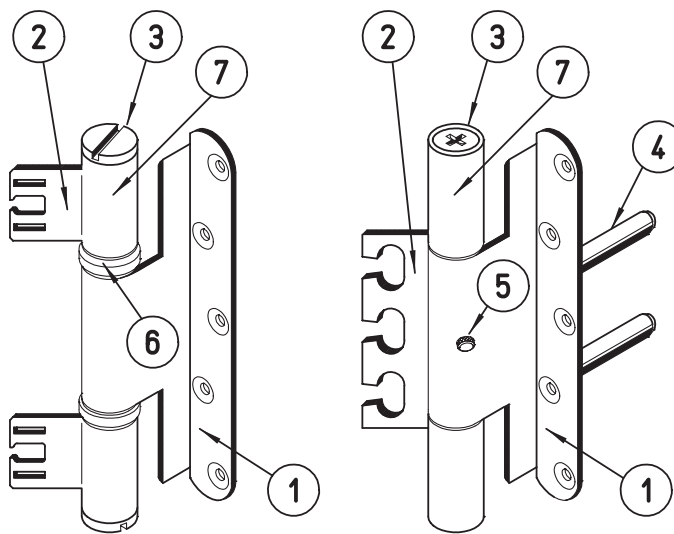
On request the hinges can be equipped with a security pin, which prevents the door from being unhinged when shut.

If requested, hinges can be equipped with suspension bolts in order to stabilize the hinge tab.

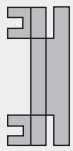
3D hinge base

In order to be able to perfectly adjust the door leaves in the door frames, all hinges for wooden frames are by default delivered in combination with 3D adjustable hinge bases. Through this an exact positioning of the door leaf in the door frame in all directions (sideways, in height and depth) is possible.

Technical terms



- ① Door leaf part
- ② Door frame part
- ③ Hinge stud with stud screw, possibly with decorative crown
- ④ Suspension bolt (trunnion)
- ⑤ Security pin
- ⑥ Ball bearing
- ⑦ Hinge roll



Hinge systems

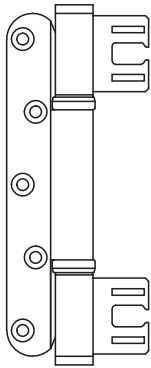
Configurations

Examples

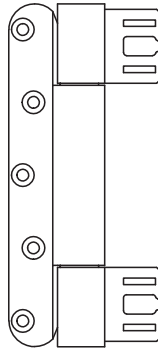
11.2

Wooden special doors

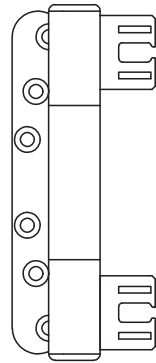
VS 8939 (F)
VS 8949 (S)



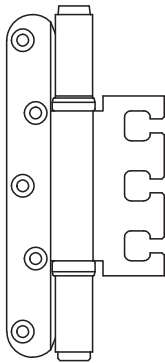
VN 8938 (F)*
VN 8948 (S)*



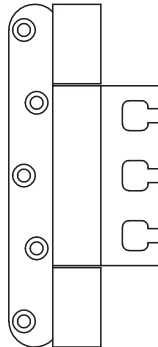
HEWI B 8108.160 (F)*
HEWI B 9108.160 (S)*
(only plastic material-coated)



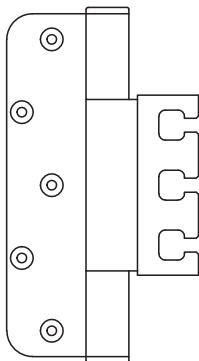
VSX 7939 (F)
VSX 7749 (S)



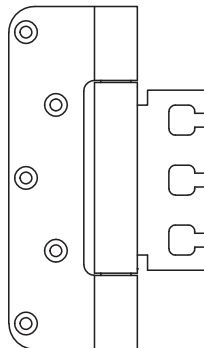
VX 7939 (F)*
VX 7729 (S)*



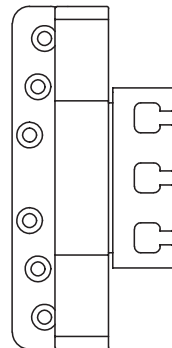
BSW 060-21 / 070-21 (F)*
BSW 060-22 / 070-22 (S)*

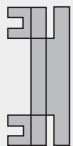


VIELER ER.TB 160.335.F (F)*
VIELER ER.TB 160.331.S (S)*
(only in stainless steel)



HEWI B 8107.160 VX (F)*
HEWI B 9107.160 VX (S)*
(only plastic material-coated)





Hinge systems

Configurations

Application areas/steel frames

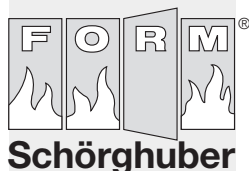
Wooden special doors

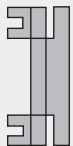
Hinge descriptions for Steel frames	Door function															
	T 30	T 60	T 90	RS	SD 32	SD 37	SD 42	SD 45	SD 48	SD 50	WK 2	WK 3	PB	DT	NT	VT
VS 8939 (F), (D) VS 8949 (S)	○			○	○	○									○	○
VN 8938 (F) VN 8948 (S)	○			○	○	○									○	○
VSX 7939/160 (F), (D)	○	○		○	○	○					○	○	○		○	○
VSX 7749/160 (S)	○	○		○	○	○	○	○			○	○	○		○	○
VX 7939/100 (F), (D) VX 7729/100 (S)	○			○	○	○									○	○
VX 7939/120 (F), (D) VX 7729/120 (S)	○			○	○	○	○	○							○	○
VX 7939/160 (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
VX 7729/160 (S)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VX 7939/160 FD for rebate gasket	○			○			○	○	○	○	○	○				
BSW 060-21 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
BSW 060-22 VX (S)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
BSW 060-21 VX DF (F) for rebate gasket	○			○			○	○	○	○	○	○	○			
BSW 070-21 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
BSW 070-22 VX (S)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
BSW 070-21 VX DF (F) for rebate gasket	○			○			○	○	○	○	○	○				
VIELER ER.TB 160.335.F VX (F), (D)	○	○	○	○	○	○					○	○	○		○	○
VIELER ER.TB 160.331.S VX (S)	○	○	○	○	○	○	○	○			○	○	○		○	○
SIMONS FUG 160.4. .. VX (F), (D)					○	○					○	○			○	○
SIMONS STUG 160.4. .. VX (S)					○	○	○	○			○	○			○	○
SIMONS Globus STUG VR (S) in combination with round-shaped frame 29304/29804	○			○	○	○									○	○
HEWI B 8108.160 (F), (D) HEWI B 9108.160 (S)	○	○	○	○	○	○									○	○
HEWI B 8107.160 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
HEWI B 9107.160 VX (S)	○	○	○	○	○	○	○	○			○	○	○	○	○	○
Spring hinge in solid wall FHX 7939/160 (F), (D) FHX 7729/160 (S)	○				○						○					○

- (F) rebated
- (S) unrebated
- (D) double-rebated

Note:

The choice of the hinges has to result from the calculation of the door leaf weight and the door leaf dimensions.





Hinge systems

Configurations

Field of application/wooden frames

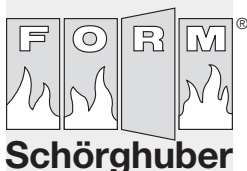
Wooden special doors

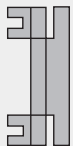
Hinge descriptions for wooden frames	Door function															
	T 30	T 60	T 90	RS	SD 32	SD 37	SD 42	SD 45	SD 48	SD 50	WK 2	WK 3	PB	DT	NT	VT
VSX 7939/160 (F), (D)	○	○		○	○	○					○	○	○		○	○
VSX 7749/160 (S)	○	○		○	○	○	○	○			○	○	○		○	○
VX 7939/100 (F), (D) VX 7729/100 (S)	○			○	○	○									○	○
VX 7939/120 (F), (D) VX 7729/120 (S)	○			○	○	○	○	○							○	○
VX 7939/160 (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
VX 7729/160 (S)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VX 7939/160 FD for rebate gasket	○			○			○	○	○	○	○	○				
BSW 060-21 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
BSW 060-22 VX (S)	○	○	○	○	○	○	○	○			○	○	○	○	○	○
BSW 060-21 VX DF (F) for rebate gasket	○			○			○	○	○	○	○	○	○			
BSW 070-21 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
BSW 070-22 VX (S)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
BSW 070-21 VX DF (F) for rebate gasket	○			○			○	○	○	○	○	○				
VIELER ER.TB 160.335.F VX (F), (D)	○	○	○	○	○	○					○	○	○		○	○
VIELER ER.TB 160.331.S VX (S)	○	○	○	○	○	○	○	○			○	○	○		○	○
SIMONS FUG 160.4. ... VX (F), (D)					○	○					○	○			○	○
SIMONS STUG 160.4. ... VX (S)					○	○	○	○			○	○			○	○
HEWI B 8107.160 VX (F), (D)	○	○	○	○	○	○					○	○	○	○	○	○
HEWI B 9107.160 VX (S)	○	○	○	○	○	○	○	○			○	○	○	○	○	○
Spring hinge FHX 7939/160 (F), (D) in solid wall FHX 7729/160 (S)	○				○						○					○

- (F) rebated
- (S) unrebated
- (D) double-rebated

Note:

The choice of the hinges has to result from the calculation of the door leaf weight and the door leaf dimensions.





Hinge systems

11.2

Configurations

Bearing force/wooden frames

Wooden special doors

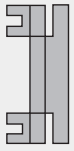
Hinge descriptions for wooden frames	Bearing force in kg (2 hinges)									
	70	80	90	100	120	140	180	200	250	300
VSX 7939/160 (F) VSX 7749/160 (S)										
VX 7939/100 (F) VX 7729/100 (S)										
VX 7939/120 (F) VX 7729/120 (S)										
VX 7939/160 (F) 3,5 mm VX 7729/160 (S) 3,5 mm										
VX 7939/160-4 N (F) VX 7729/160-4 N (S)										
FORM-VX 160 (F) FORM-VX 160 (S)										
BSW 060-21 VX (F) BSW 060-22 VX (S)										
VIELER ER.TB 160.335 VX (F) VIELER ER.TB 160.331 VX (S)										
SIMONS FUG 160.4. .. VX (F) SIMONS STUG 160.4. .. VX (S)										
HEWI B 8107.160 VX (F) HEWI B 9107.160 VX (S)										
Spring hinge in solid wall FHX 7939/160 (F) FHX 7729/160 (S)										

(F) rebated
(S) unrebrated

Note:

The choice of the hinges has to result from the calculation of the door leaf weight and the door leaf dimensions.

If a 3rd hinge is inserted the declared load values (bearing force) increase by approximately 10%.



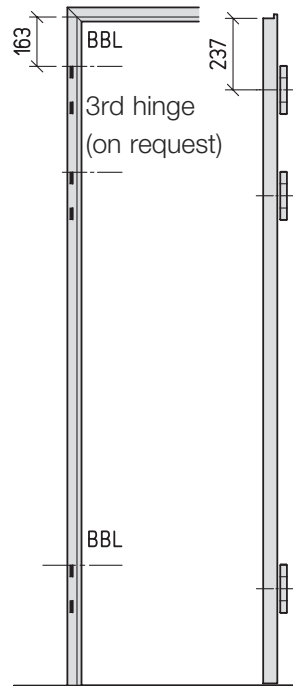
Hinge systems

Hinge reference line

Definition

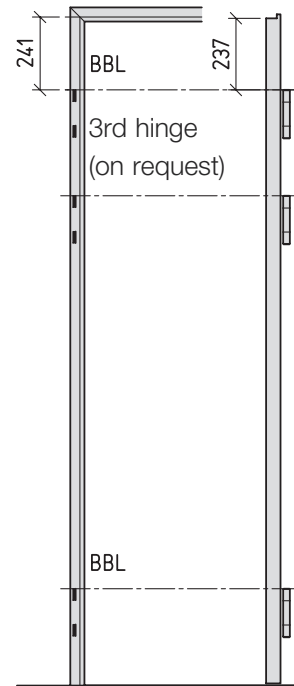
V 8600

Schörghuber Standard
Frame rebate



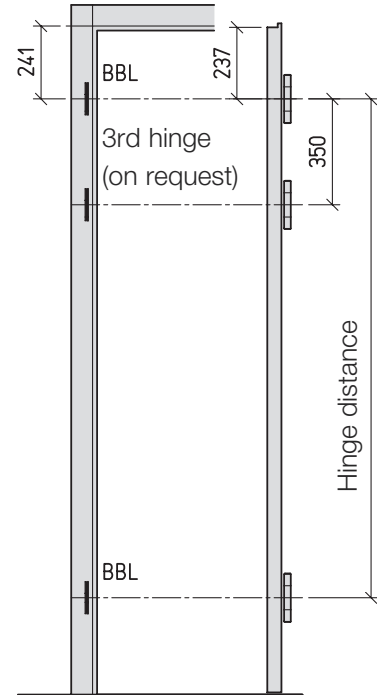
V 8600

according to DIN 18111
Frame rebate



VX 7611 / VHX

Frame rebate

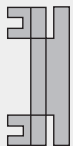


The **hinge reference line** (BBL) according to DIN 18268 is the defined line of a hinge in a certain distance to the top edge of the door leaf rebate, respectively the reference edge, the door frame rebate. The hinge reference line as indication of measurement is independent of the hinge type. For differing measures as well as for the delivery of doors with a frame provided by the customer, the creation of an exact dimensional measurement form and it's attachment to the order form is inevitable (see chapter 3.7).

If an **additional 3rd hinge** is inserted (350 mm under the top hinge, based on the upper hinge reference line, optional from 260 mm up to 1050 mm) the declared load capacity (bearing force) increases by approx. 10%. Standard for LD-heights starting at 2469 mm.

Reference dimensions	
Clear opening from	Hinge distance up to
1858 - 1982 mm	1310 mm*
1983 - 2108 mm	1435 mm
2109 - 2233 mm	1560 mm
2234 - 2358 mm	1685 mm
2359 - 2483 mm	1810 mm
2484 - 2608 mm	1935 mm
2609 - 2733 mm	2060 mm
2734 - 2858 mm	2185 mm
2859 - 2983 mm	2310 mm
2984 - 3108 mm	2435 mm
3109 - 3233 mm	2560 mm
3234 - 3358 mm	2685 mm
3359 - 3483 mm	2810 mm

* differing from DIN 18101



Hinge systems

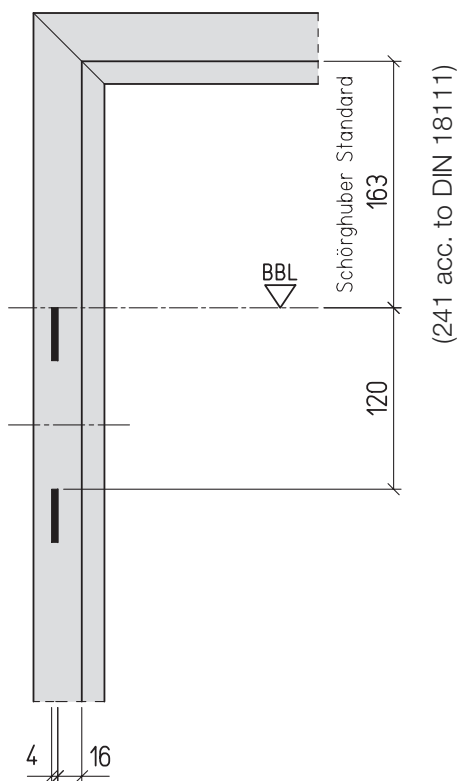
11.3

Hinge reference line

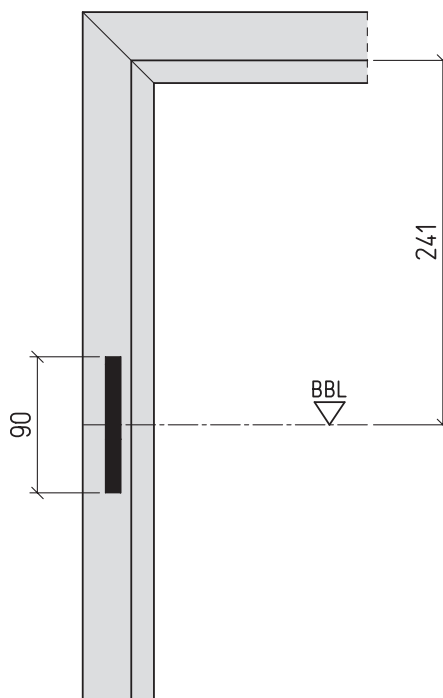
Hinge bases

Wooden special doors

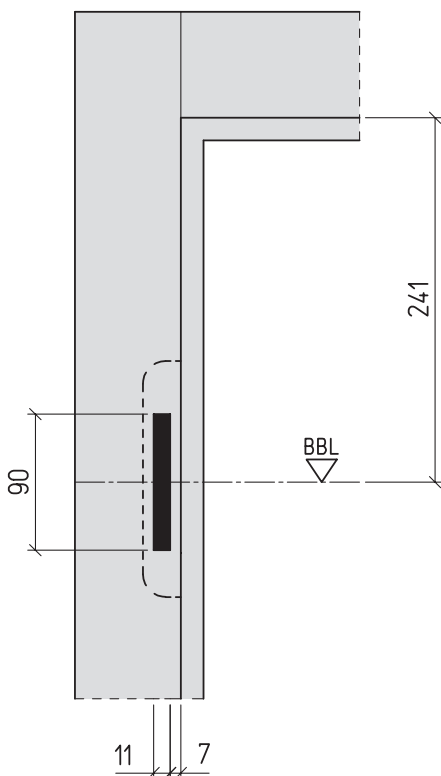
**Steel frame
V 8600**

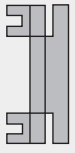


**Steel frame
VX 7611 3D**



**Wooden frame
VHX**





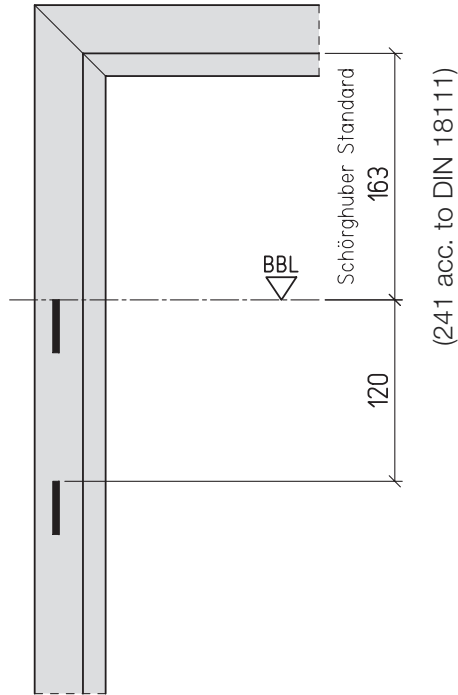
Hinge systems

11.4

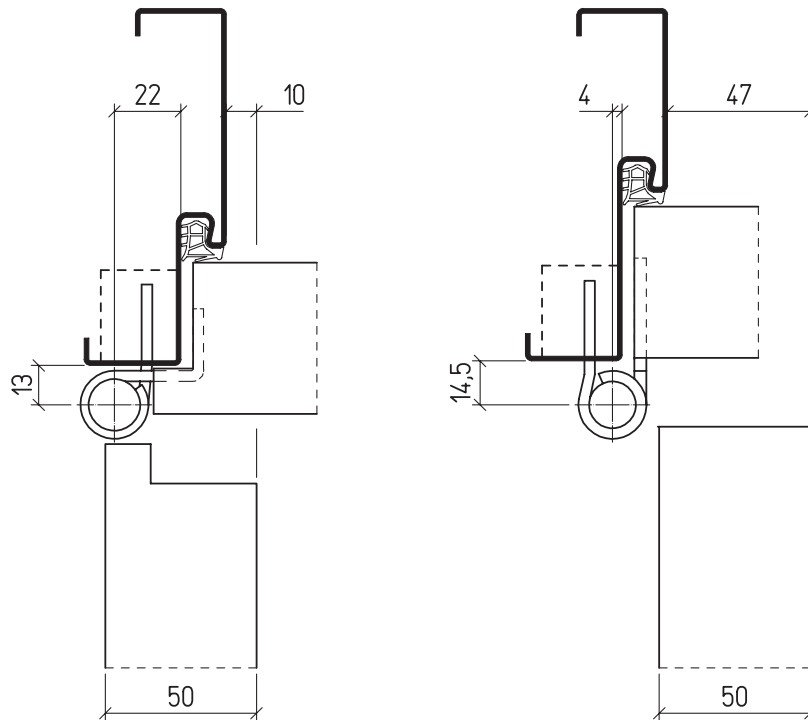
Overview

Steel frames

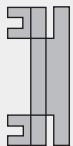
Hinge base V 8600



Hinge position



Wooden special doors



Hinge systems

11.4

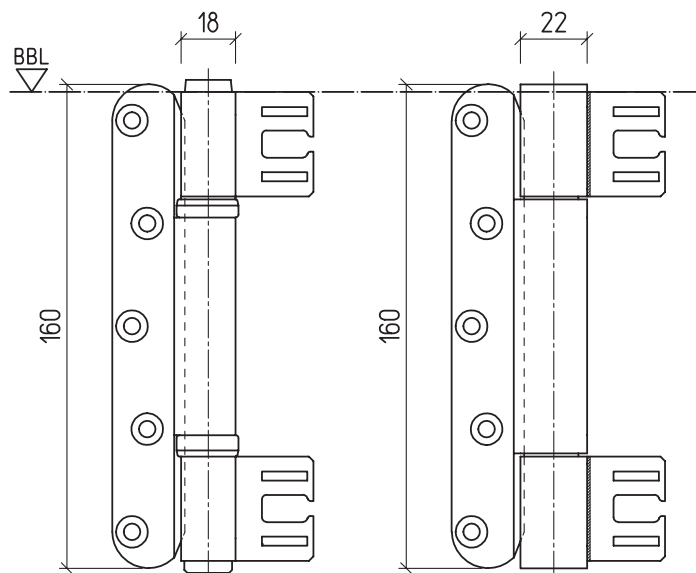
Overview

Steel frames with V 8600 hinge bases

Rebated door leaf edge

SIMONS FORM VS 8939

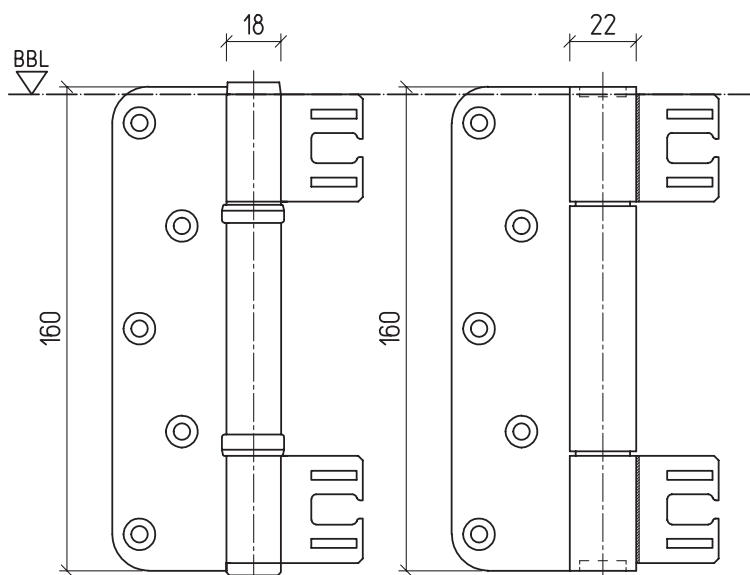
SIMONS VN 8938/160



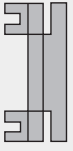
Unrebated door leaf edge or unrebated with jamb rebate

SIMONS FORM VS 8949

SIMONS VN 8948/160



Wooden special doors



Hinge systems

11.4

Overview

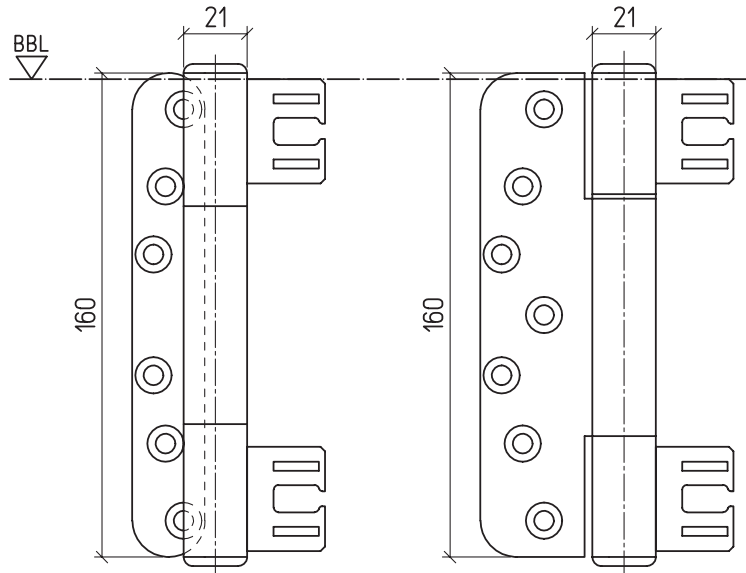
Steel frames with V 8600 hinge bases

Rebated door leaf edge

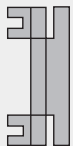
HEWI B 8108.160

Unrebated door leaf edge or unrebated with jamb rebate

HEWI B 9108.160



Wooden special doors



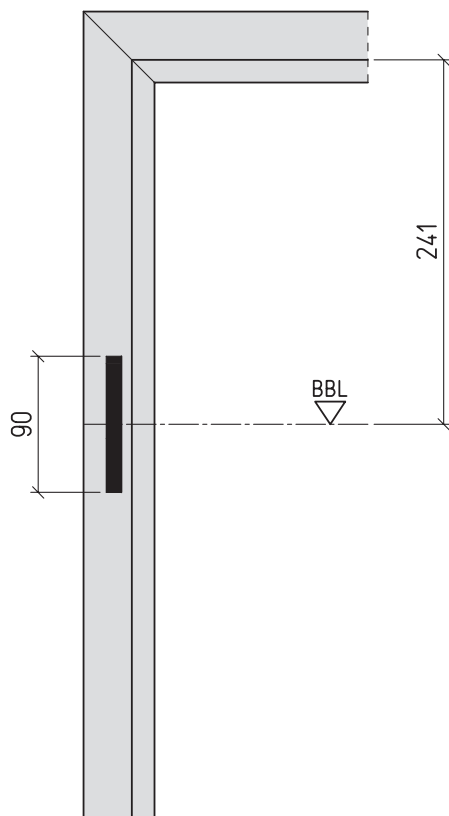
Hinge systems

11.4

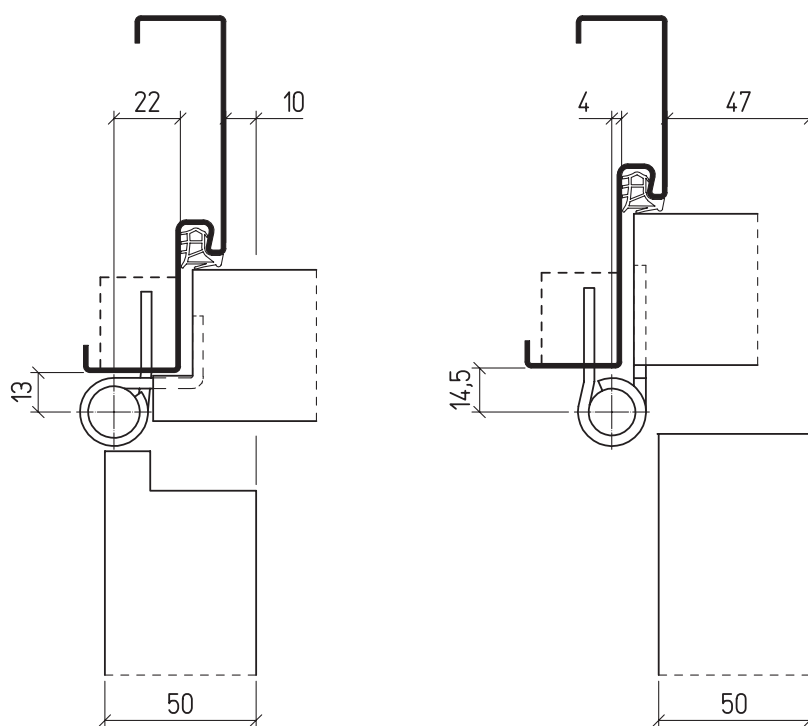
Overview

Steel frames

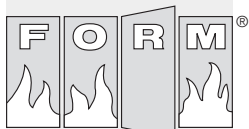
Hinge base VX 7611 3D



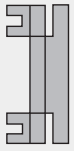
Hinge position



Wooden special doors



Schörghuber



Hinge systems

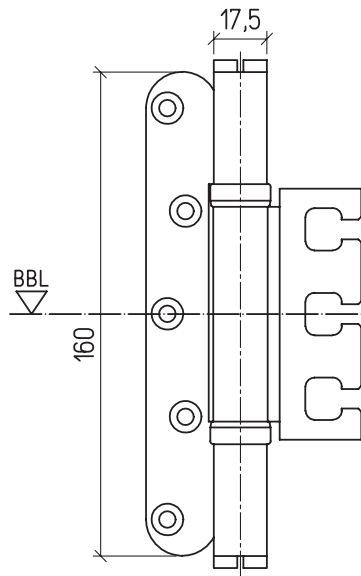
11.4

Overview

Steel frames with VX 7611 3D hinge bases

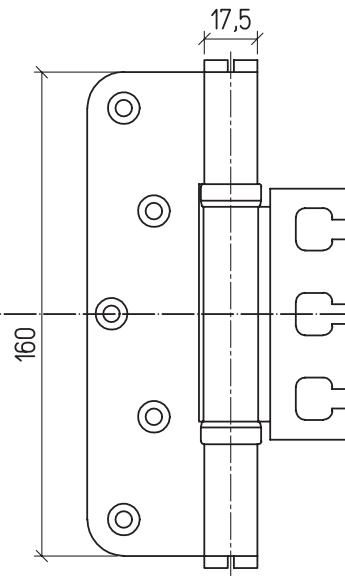
Rebated door leaf edge

VSX 7939/160 (F)

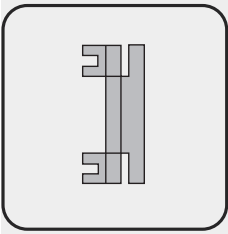


Unrebated door leaf edge or unrebated with jamb rebate

VSX 7729/160 (S)

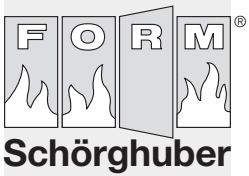


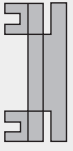
Wooden special doors



Hinge systems

11.4





Hinge systems

11.4

Overview

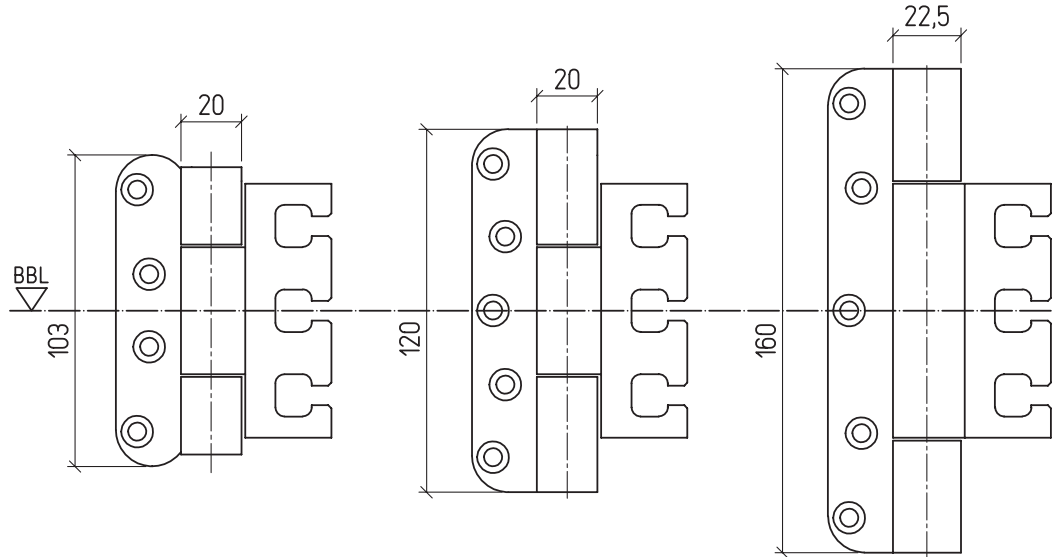
Steel frames with VX 7611 3D hinge bases

Rebated door leaf edge

SIMONS VX 7939/100

SIMONS VX 7939/120

SIMONS VX 7939/160

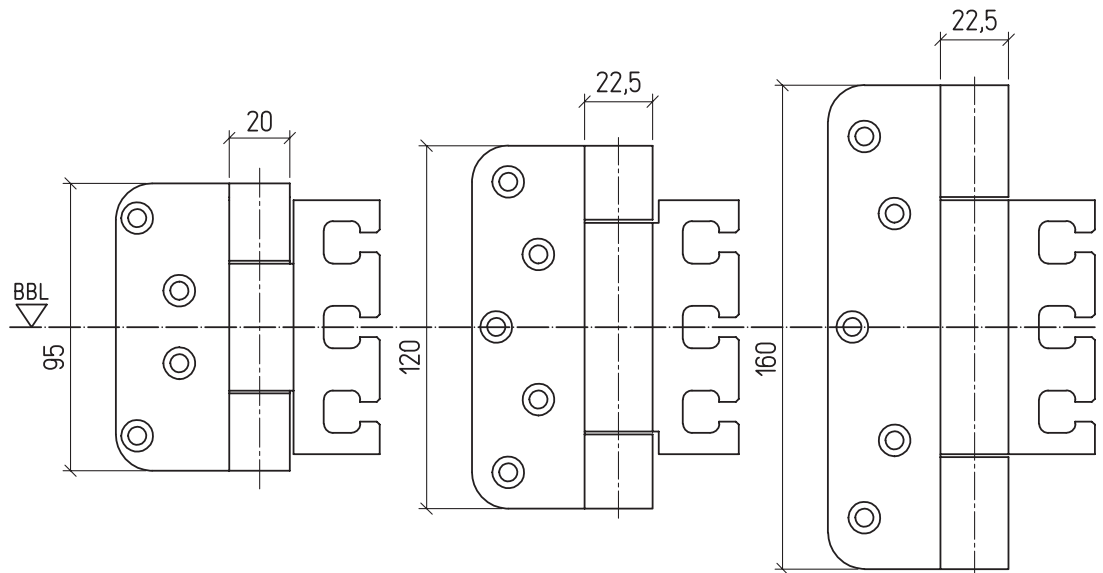


Unrebated door leaf edge or unrebated with jamb rebate

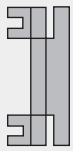
SIMONS VX 7729/100

SIMONS VX 7729/120

SIMONS VX 7729/160



Wooden special doors



Hinge systems

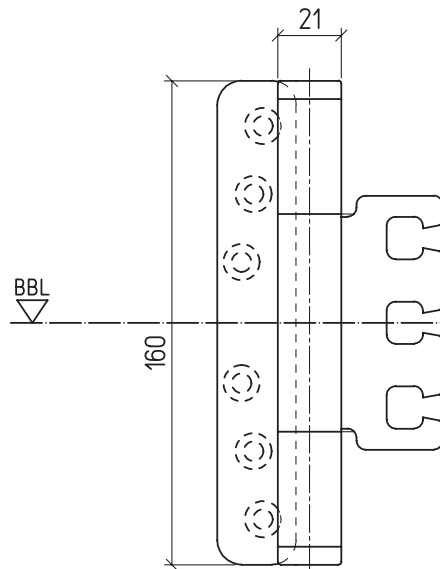
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Overview

Steel frames with VX 7611 3D hinge bases

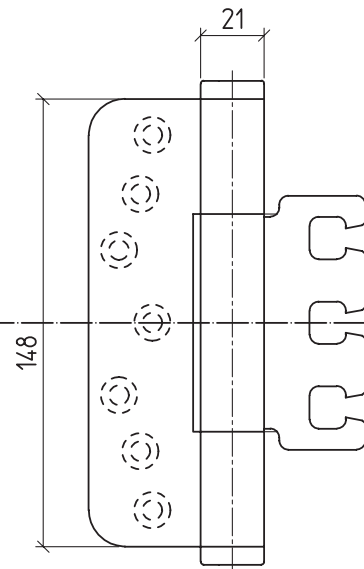
Rebated door leaf edge

HEWI B 8107.160 VX

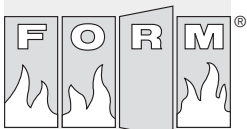


Unrebated door leaf edge or unrebated with jamb rebate

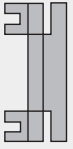
HEWI B 9107.160 VX



Wooden special doors



Schörghuber



Hinge systems

11.4

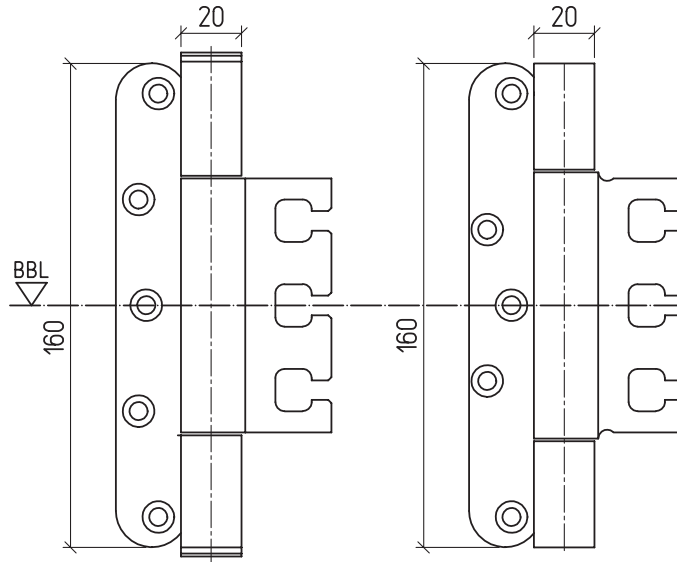
Overview

Steel frames with VX 7611 3D hinge bases

Rebated door leaf edge

BSW 060-21 VX
BSW 070-21 VX

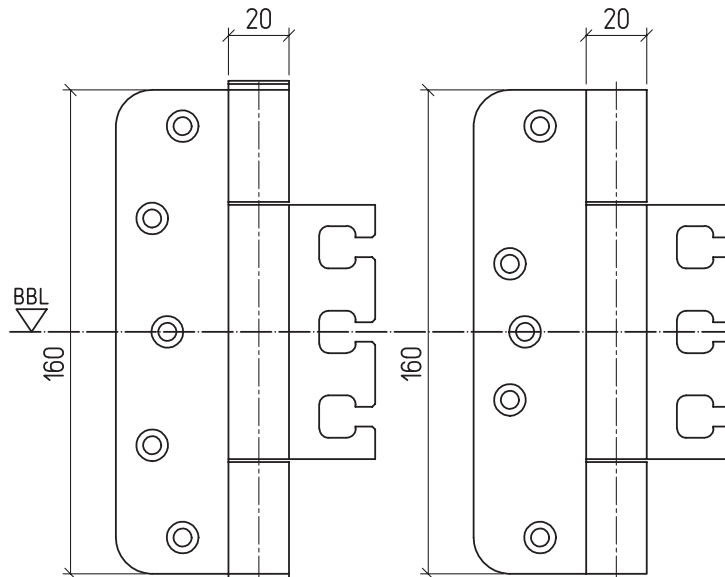
VIELER ER.TB 160.335.F VX



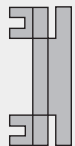
Unrebated door leaf edge or unrebated with jamb rebate

BSW 060-22 VX
BSW 070-22 VX

VIELER ER.TB 160.331.S VX



Wooden special doors



Hinge systems

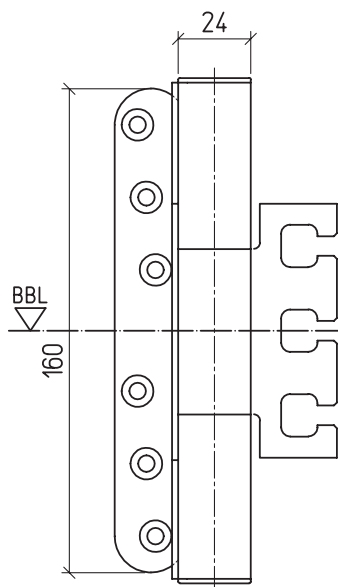
11.4

Overview

Steel frames with VX 7611 3D hinge bases

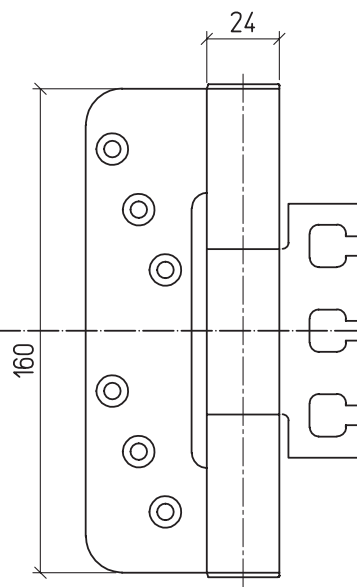
Rebated door leaf edge

SIMONS FUG 160.4.00 VX



Unrebated door leaf edge or unrebated with jamb rebate

SIMONS STUG 160.4.00 VX



Wooden special doors



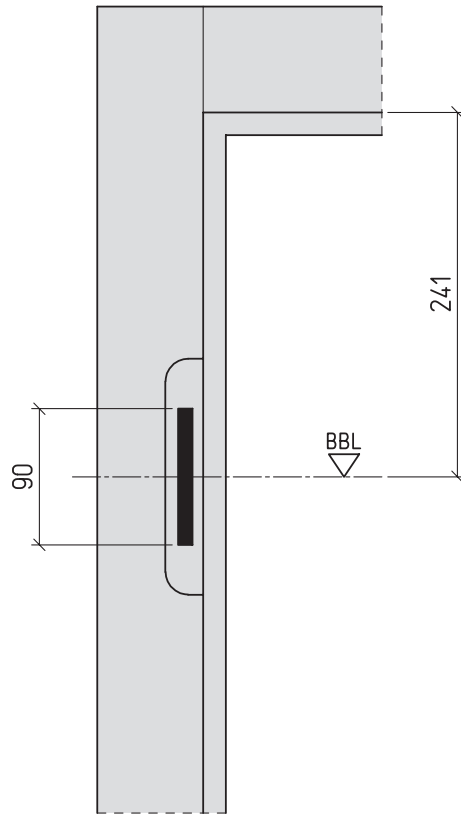
Hinge systems

11.5

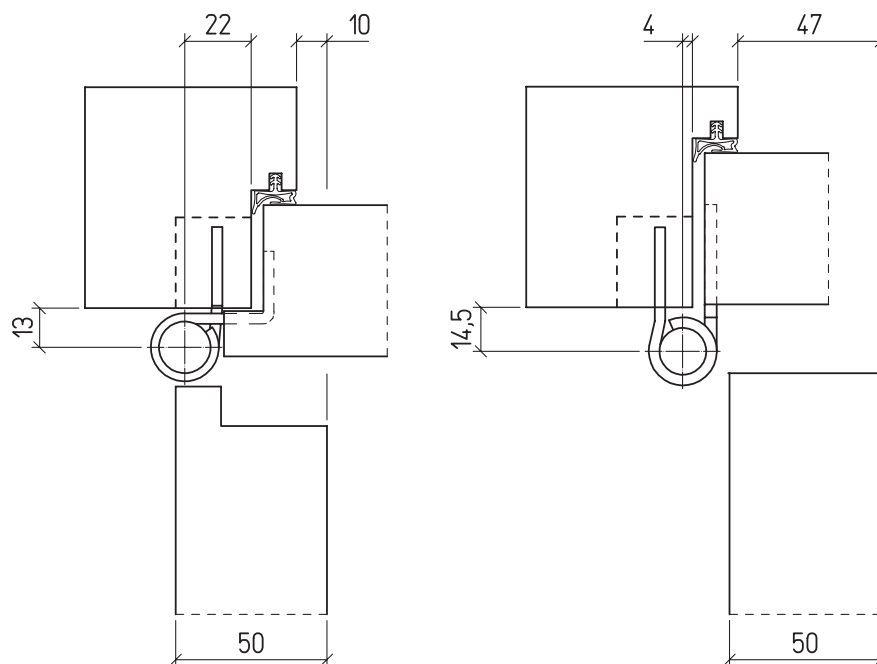
Overview

Wooden frames

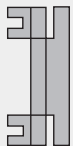
Hinge base VHX



Hinge position



Wooden special doors



Hinge systems

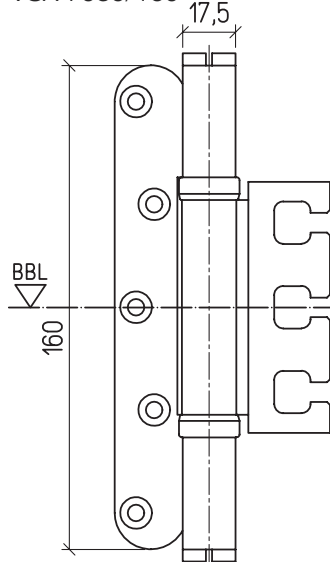
11.5

Overview

Wooden frames with VHX hinge bases

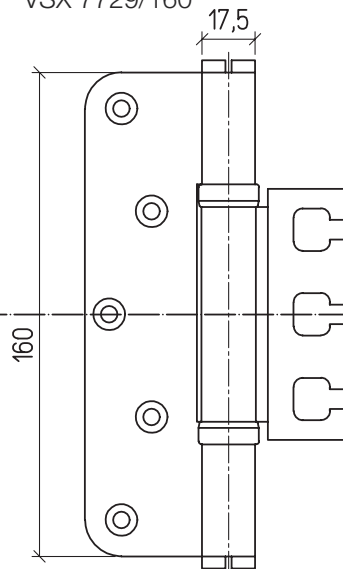
Rebated door leaf edge

VSX 7939/160

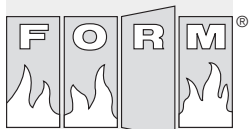


Unrebated door leaf edge or unrebated with jamb rebate

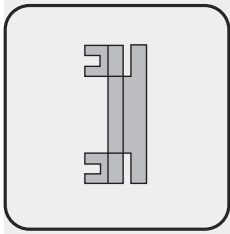
VSX 7729/160



Wooden special doors



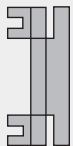
Schörghuber



Hinge systems

11.5

Wooden special doors



Hinge systems

11.5

Overview

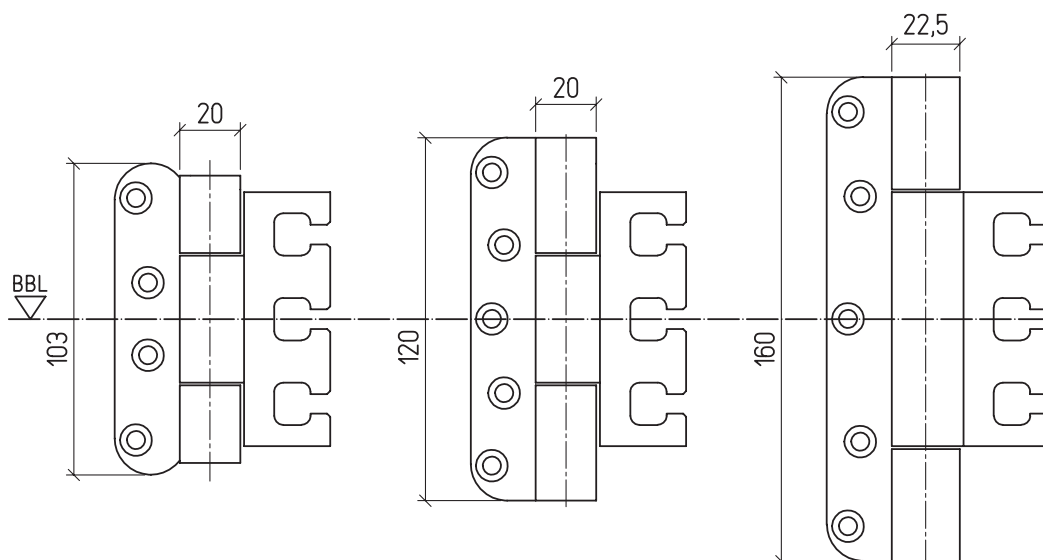
Wooden frames with VHX hinge bases

Rebated door leaf edge

SIMONS VX 7939/100

SIMONS VX 7939/120

SIMONS VX 7939/160

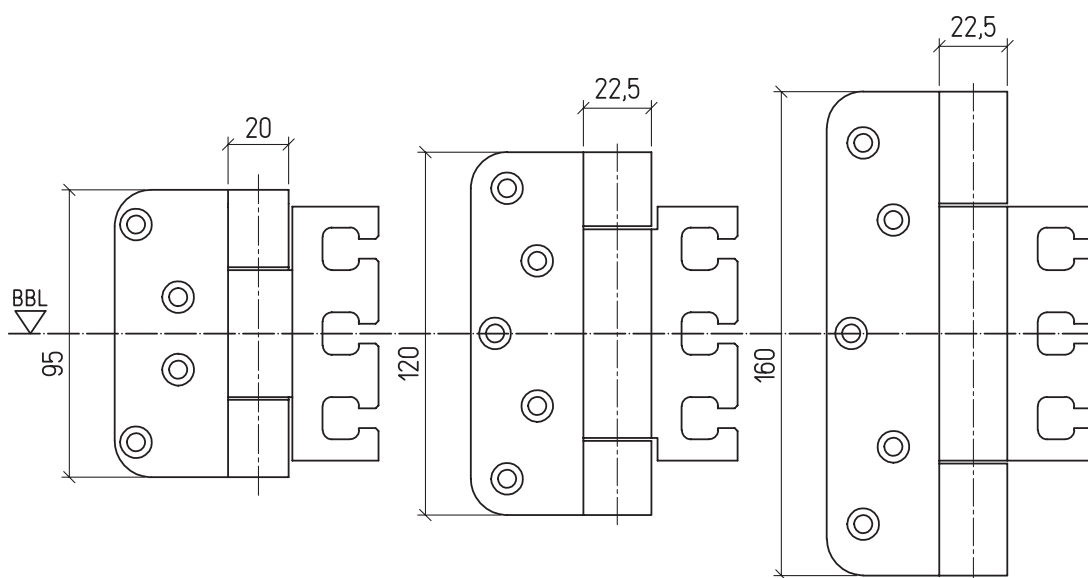


Unrebated door leaf edge or unrebated with jamb rebate

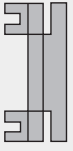
SIMONS VX 7729/100

SIMONS VX 7729/120

SIMONS VX 7729/160



Wooden special doors



Hinge systems

11.5

Overview

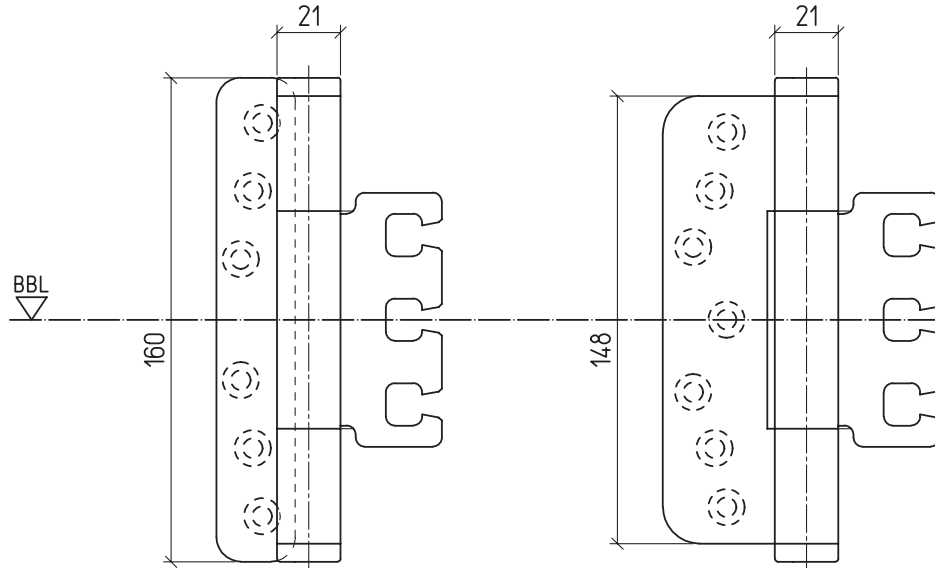
Wooden frames with VHX hinge bases

Rebated door leaf edge

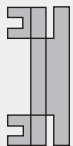
HEWI B 8107.160 VX

Unrebated door leaf edge or unrebated with jamb rebate

HEWI B 9107.160 VX



Wooden special doors



Hinge systems

11.5

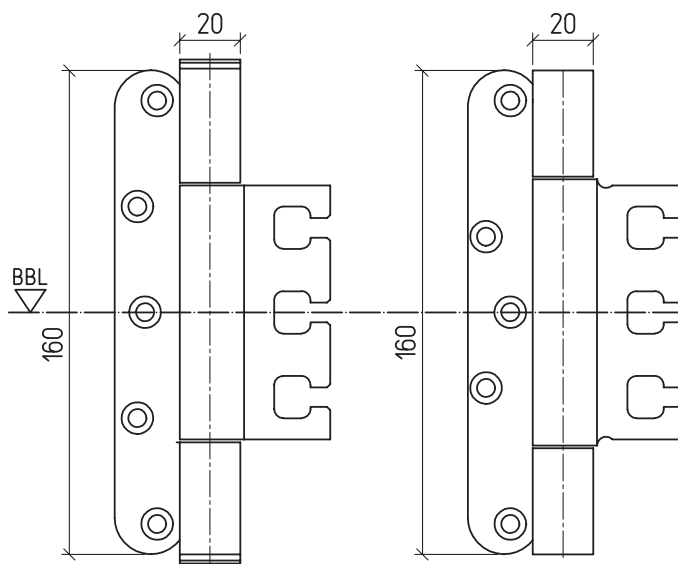
Overview

Wooden frames with VHX hinge bases

Rebated door leaf edge

BSW 060-21 VX
BSW 070-21 VX

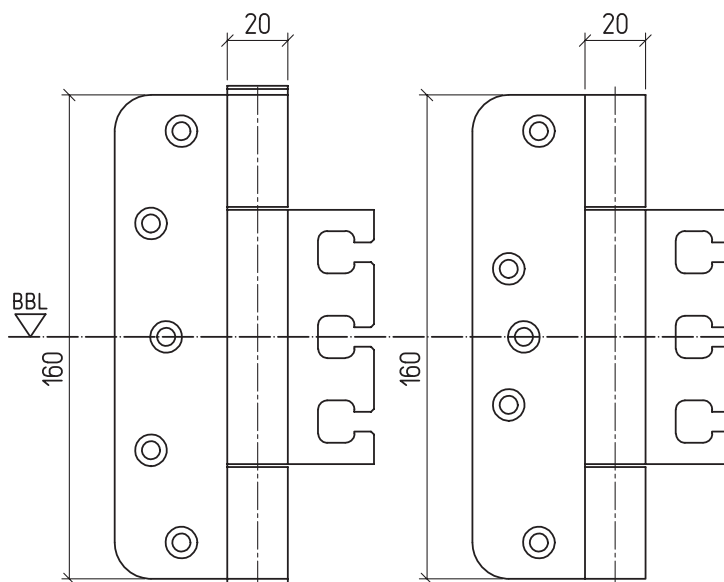
VIELER ER.TB 160.335.F VX



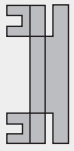
Unrebated door leaf edge or unrebated with jamb rebate

BSW 060-22 VX
BSW 070-22 VX

VIELER ER.TB 160.331.S VX



Wooden special doors



Hinge systems

11.5

Overview

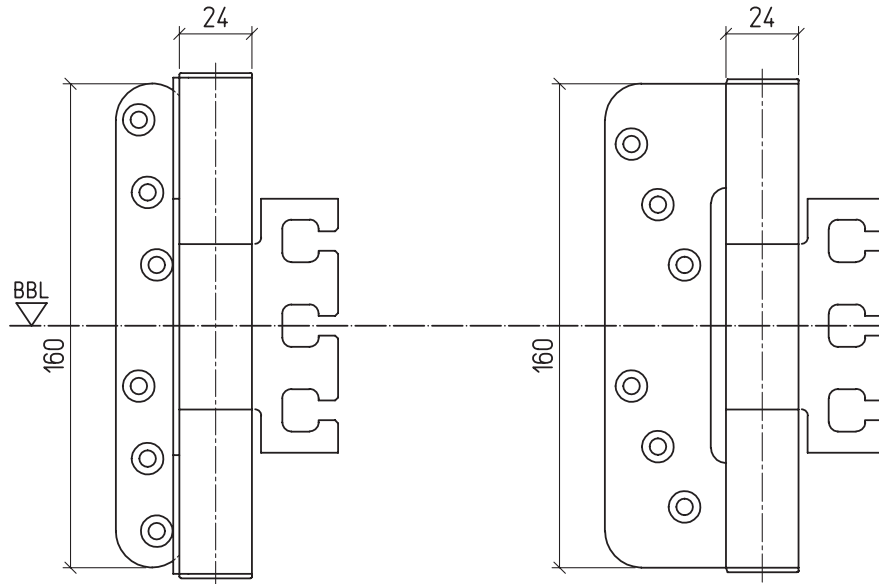
Wooden frames with VHX hinge bases

Rebated door leaf edge

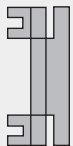
SIMONS FUG 160.4.00 VX

Unrebated door leaf edge or unrebated with jamb rebate

SIMONS STUG 160.4.00 VX



Wooden special doors



Hinge systems

11.6

Variant hinges

Application areas

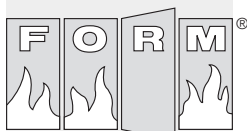
For lightweight doors (door leaf weight ≤ 80 kg and door rebate width ≤ 1083 mm) also the hinge system Variant-V is available. A 3D adjustability is not available for this hinge system.

Hinge descriptions for steel frames	Door function				
	T 30	RS	SD 32	SD 37	VT
V 8037 WF (F)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
V 8087 WF (S)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

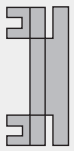
Hinge descriptions for wooden frames	Door function				
	T 30	RS	SD 32	SD 37	VT
V 4437 WF (F)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
V 4487 WF (S)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- (F) rebated
- (S) unrebated
- (D) double-rebated

Wooden special doors



Schörghuber



Hinge systems

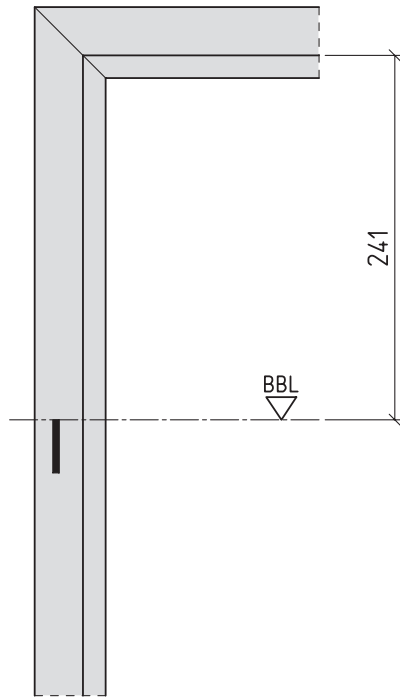
Variant hinges

Steel frames

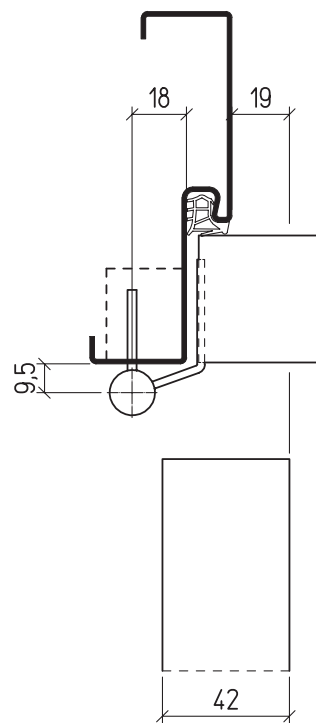
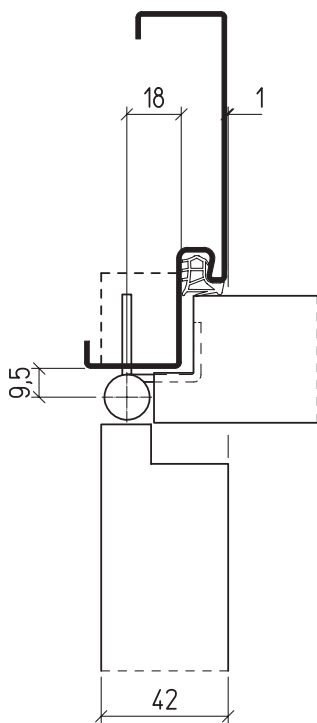
11.6

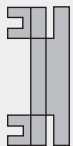
Wooden special doors

Hinge base V 8600



Hinge position





Hinge systems

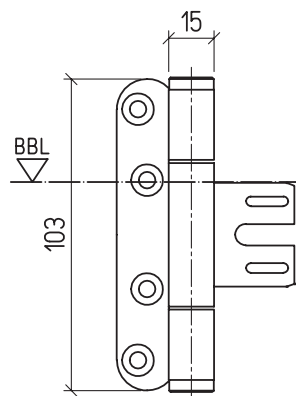
Variant hinges

Steel frames

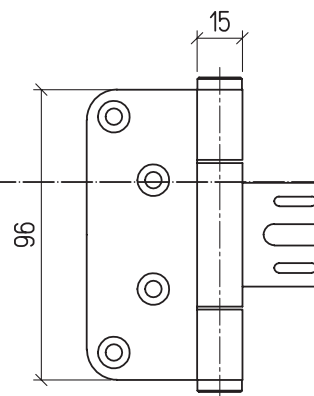
11.6

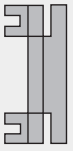
Wooden special doors

Variant V 8037 WF



Variant V 8087 WF





Hinge systems

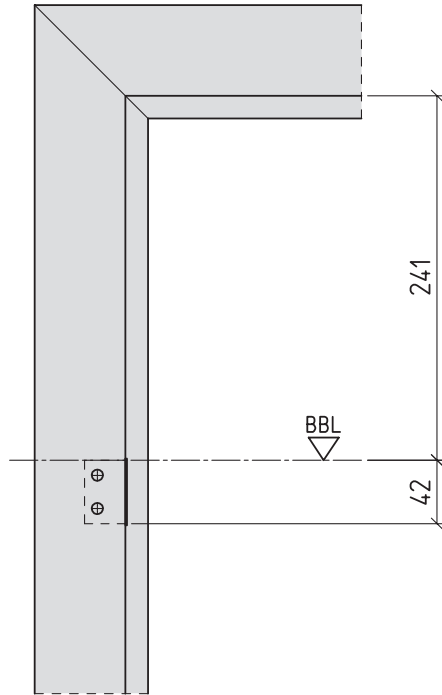
Variant hinges

Wooden frames

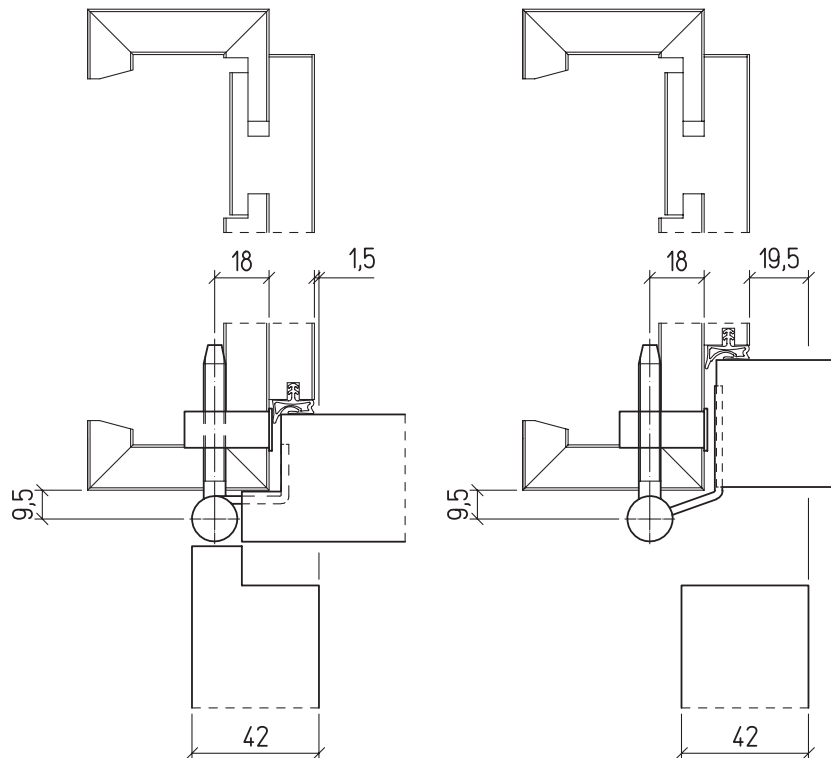
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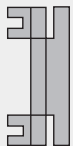
Wooden special doors

Hinge base V 3604



Hinge position





Hinge systems

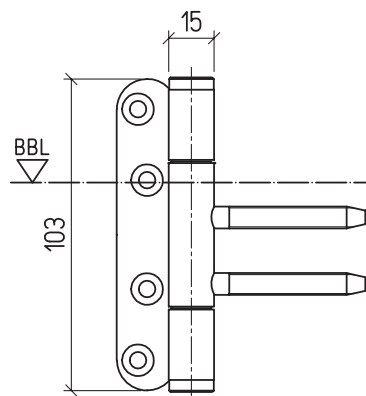
Variant hinges

Wooden frames

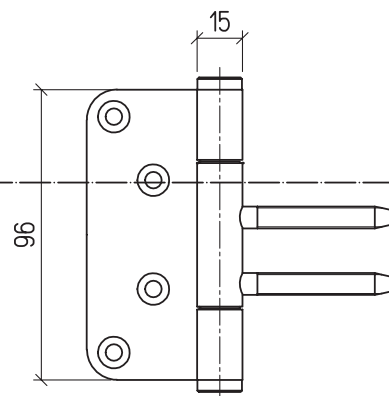
11.6

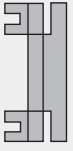
Wooden special doors

Variant V 4437 WF



Variant V 4487 WF





Hinge systems

Special hinges

Concealed hinges

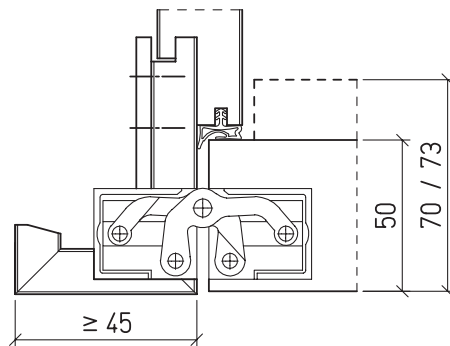
11.7

Meeting the demand of the design trend „concealed hinges“, Schörghuber offers a variety of high-quality concealed hinges for unrebuted doors. For both heavy-duty doors as well as for Fire- and Smoke-Protection-Doors with a door weight of up to 300 kg various concealed hinge versions for steel frames, wooden wrap-around, wooden block and solid wooden frames are available.

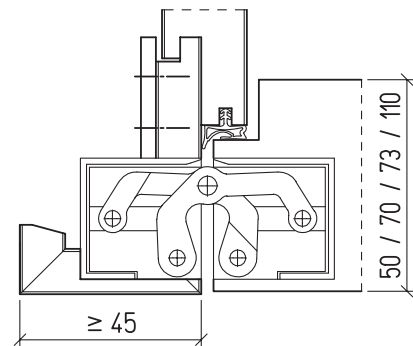
Creatively particularly interesting is the option to completely cover both door leaf and connecting flush fixed side panels on pull side with glass panes or mirrors or other thin additional panelings, without interrupting the visual appearance with visible hinges or hinge bases. The new concealed hinge type DX 180 makes it possible.

Wooden special doors

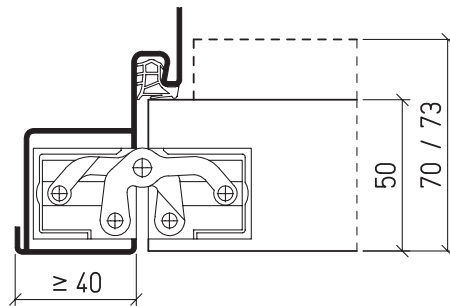
Wooden wrap-around frame



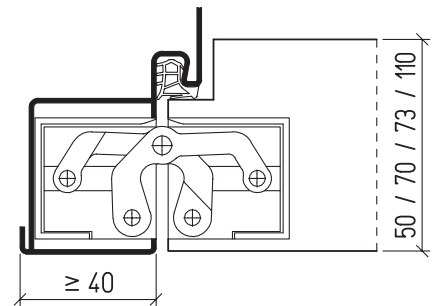
Wooden wrap-around frame



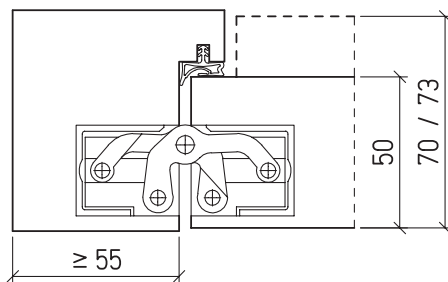
Steel frame



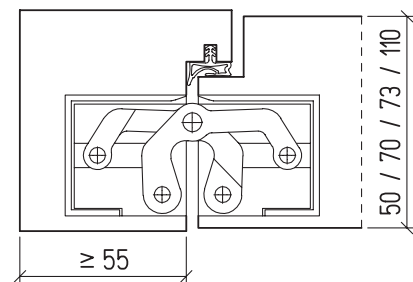
Steel frame

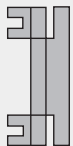


Solid wooden frame



Solid wooden frame





Hinge systems

Special hinges

Concealed hinges

11.7

Wooden special doors

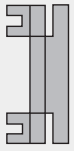
Application area

Door leaf thickness/edge	TD 42 mm		TD 50 mm		TD 70 mm		TD 73 mm		TD 110 mm	
	Unrebated		Unrebated	Unrebated with jamb rebate	Unrebated with jamb rebate	Unrebated with jamb rebate	Unrebated with jamb rebate	Unrebated with jamb rebate		Unrebated with jamb rebate
BaSys-DX 100 3D	○		○	○	○	○	○	○		
BaSys-DX 200 3D			○		○		○			○
BaSys-DX 300 3D			○		○		○			○
BaSys-DX 180 3D			○		○		○			○
SIMONS Tectus 510 3D			○		○		○			○

Technical facts

Hinge description			RS SD VT	Bearing force ¹⁾	max. door leaf width	Opening angle	3D Adjustability	
	T 30	T 90					Sideways + Height	Pressure
BaSys-DX 100 3D	○	○	○	100 kg	1100 mm	≤ 180°	± 3 mm	± 1 mm
BaSys-DX 200 3D	○	○	○	200 kg	~1250 mm	≤ 180°	± 3 mm	± 1 mm
BaSys-DX 300 3D	○	○	○	300 kg	~1500 mm	≤ 180°	± 3 mm	± 1 mm
BaSys-DX 180 3D	○	○	○	180 kg	1100 mm	≤ 180°	± 3 mm	± 1 mm
SIMONS Tectus 510 3D	○		○	100 kg	1100 mm	≤ 180°	± 3 mm	± 1 mm

¹⁾ Depending on the door format



Hinge systems

Special hinges

Spring hinges

11.8

As an alternative to surface-mounted and floor-mounted door closers, Fire-Protection-Doors and Smoke-Protection-Flaps (frame rebate dimension $\leq 966 \times 966$ mm) can be equipped with a spring hinge and a 3-parted hinge with special crank dimensions. These hinges are not allowed in combination with Smoke-Protection-Doors.

Possible field of application

Spring hinges can be used under the following circumstances:

- Solid core door (without vision panel)
- Maximum door leaf weight of 80 kg
- Frame installation in solid walls
- Unrebated and rebated edge configuration
- In combination with steel frames and wooden frames

The combination of a spring hinge and an electrical door opener is not allowed, due to the fact that the door leaf shuts unregulated (no shock absorbing action) and can therefore in the long-run damage the electrical opening mechanism.

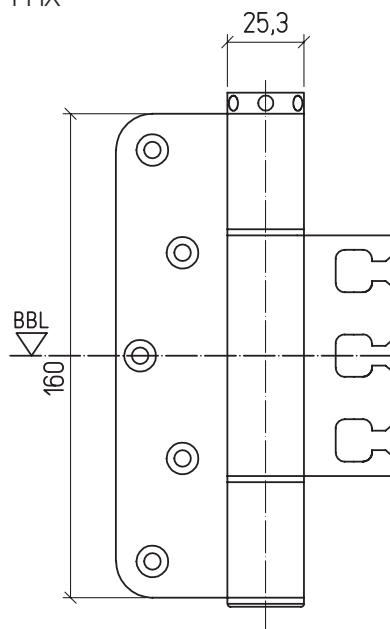
An exception to this rule is the use of a electrical door opener in combination with a spring hinge on an inactive leaf (2-leaf door set).

Especially in public buildings where particularly high stresses due to high opening frequencies and other strains occur the use of spring hinges is not recommended.

Spring hinges are available galvanised, matt nickel-plated, chrome-plated and RAL-coated.

Spring hinge

FHX



The spring hinge is adjustable through the tension ring. The fixation is possible through the catch pin.

