

VARIANT® VG



 **SIMONSWERK**
VARIANT® VG

The hinge system for
glass doors

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Transparency in heavy-duty and residential use

»VARIANT VG« – Quite clear: The hinge system for glass doors

Glass doors provide greater insight, better perspective and genuine rays of light within modern interior decor and design. That's why they are becoming increasingly popular in both the heavy duty and domestic sector. With the VARIANT VG product series, SIMONSWERK has a hinge system that has been specifically developed for this application area, meeting the requirements for quality, security and performance for glass door systems.

VARIANT VG hinges offer the right hinge system with the appropriate look to suit every taste. Available in a variety of versions, you can find a perfect match to suit the appearance of the respective glass door and handle set. From the universal VARIANT VG hinge for domestic doors through to the VARIANT VXG and VARIANT VNG product series, the appropriate hinge system is available for each intended application and load requirement.

VARIANT VG offers the right solutions for glass doors incorporating the high-performance features that are characteristic of the VARIANT brand.

SIMONSWERK VARIANT® VG

VG 3990 K

for glass doors with rebated casing and block frames

rebated up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	18.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy-duty hinge VG 3990 K for glass doors with rebated casing and block frames in square-edged design for SIMONSWERK VARIANT V receivers. Designed for glass doors with vertical standard hole pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 18 mm. Torsion-proof pin, concealed, maintenance-free axial-radial slide bearings. Finish...

Combination

Receiver	Block frame	Clamping block series V 36.. Clamp V 3605
	Casing frame	Hinge pocket series V 36..

Detailed information at www.simonswerk.com

Finishes

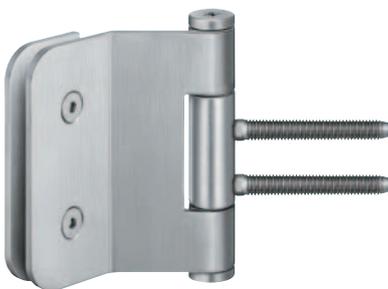
satin chromed (F1), satin stainless steel

Note

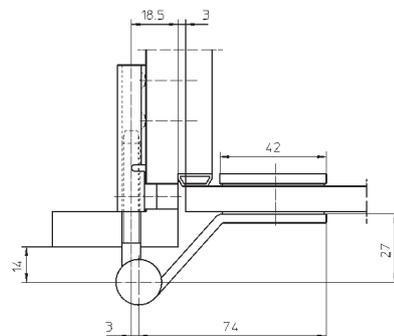
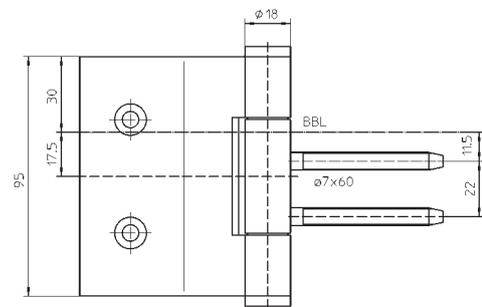
We recommend the additional installation of reinforcement plates V 3610 or V 3690 on casing frames.

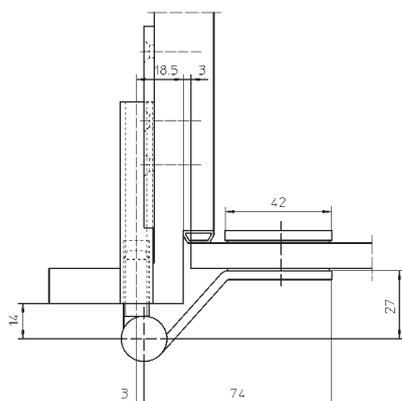
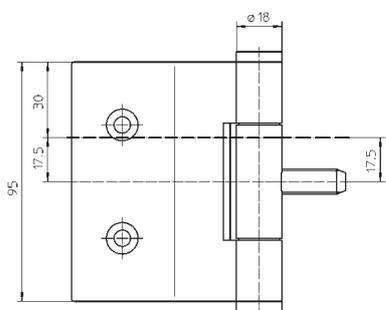
Observe DIN direction.

Model type



VG 3990, radiused corners





VG 4790 K

for glass doors with rebated casing frames

rebated

up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	18.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy-duty hinge VG 4790 K for glass doors with rebated casing frames in square-edged design for SIMONSWERK VARIANT V 4600 receivers. Designed for glass doors with vertical standard hole pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 18 mm. right hand and left hand applicable Torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	V 4600
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Detailed information at www.simonswerk.com

Finishes

satın chromed (F1), satin stainless steel

Model type



VG 4790, radiused corners

SIMONSWERK VARIANT® VG

VG 8790 K

for glass doors with rebated steel frames

rebated up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	18.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy-duty hinge VG 8790 K for glass doors with rebated steel frames in square-edged design for SIMONSWERK VARIANT V 8600 and V 8610 receivers. Designed for glass doors with vertical standard hole pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 18 mm, right hand and left hand applicable. Torsion-proof pin, concealed, maintenance-free axial-radial slide bearings. Finish...

Combination

Receiver	Back weld pocket V 8600 V 8610
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Detailed information at www.simonswerk.com

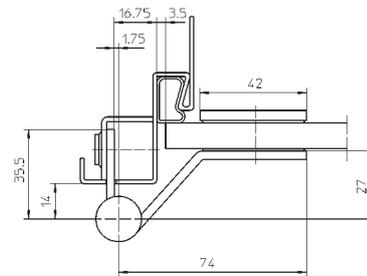
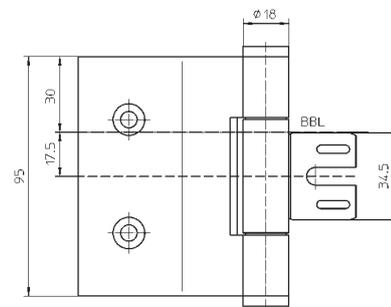
Finishes

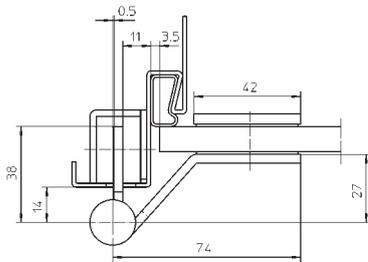
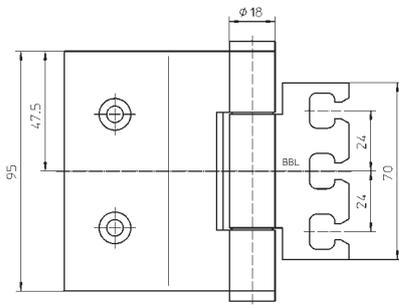
satin chromed (F1), satin stainless steel

Model type



VG 8790, radiused corners





VNG 7990/100 K

for glass doors with rebated steel frames

rebated

up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	18.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VNG 7990/100 K for glass doors with rebated steel frames in square-edged design with three-dimensionally adjustable SIMONSWERK receiver VARIANT VN 7608/120 3D. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 18 mm, right hand and left hand applicable. Torsion-proof pin, concealed, maintenance-free axial-radial slide bearings. Finish...

Combination

Receiver

VN 7608/120 3D

Detailed information at www.simonswerk.com

Finishes

satin chromed (F1), satin stainless steel

Model type



VG 7990/100, radiused corners

SIMONSWERK VARIANT® VG

VXG 7990/100 K

for glass doors with rebated wooden, steel or aluminium frames

rebated up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VXG 7990/100 K for glass doors with rebated timber, steel or aluminium frames with square-edged design for three-dimensionally adjustable SIMONSWERK receivers VARIANT VX. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	Block frame	VX 2501 3D
		VX 7501 3D
Casing frame		VX 2502 3D
		VX 7502 3D
Blind frame		VX 2505 3D
		VX 7505 3D
Steel frame		VX 7611 3D
		VX 7612 3D
Aluminium frame		VX 7521 3D

Detailed information at www.simonswerk.com

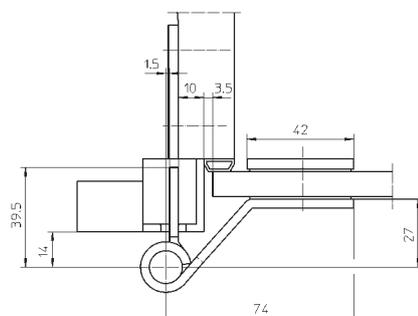
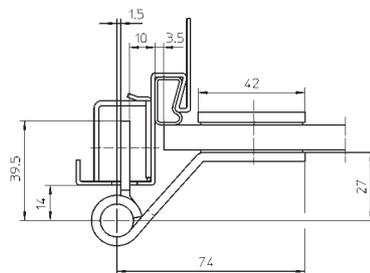
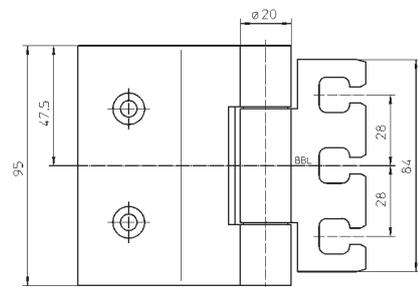
Finishes

satin chromed (F1), satin stainless steel

Model type



VXG 7990/100, radiused corners





VNG 7990/120 K

for glass doors with rebated steel frames

rebated		up to 80 kg
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Technical data

Load capacity	80.0 kg
Knuckle length	120.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VNG 7990/120 K for glass doors with rebated steel frames in square-edged design with three-dimensionally adjustable SIMONSWERK receiver VARIANT VN 7608/120 3D. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 80 kg, knuckle length 120 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	VN 7608/120 3D
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Detailed information at www.simonswerk.com

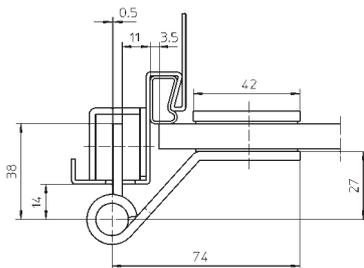
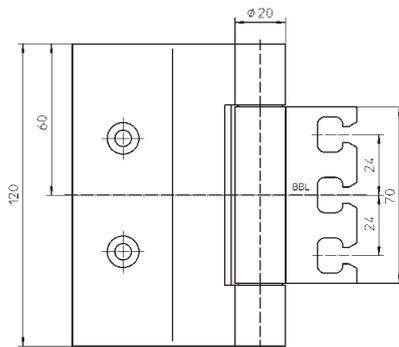
Finishes

satin chromed (F1), satin stainless steel

Model type



VG 7990/120, radiused corners



SIMONSWERK VARIANT® VG

VXG 7990/120 K

for glass doors with rebated wooden, steel or aluminium frames

rebated up to 80 kg

Technical data

Load capacity	80.0 kg
Knuckle length	120.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VXG 7990/120 K for glass doors with rebated timber, steel or aluminium frames with square-edged design for three-dimensionally adjustable SIMONSWERK receivers VARIANT VX. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 80 kg, knuckle length 120 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	Block frame	VX 2501 3D
		VX 7501 3D
	Casing frame	VX 2502 3D
		VX 7502 3D
	Blind frame	VX 2505 3D
		VX 7505 3D
	Steel frame	VX 7611 3D
		VX 7612 3D
	Aluminium frame	VX 7521 3D

Detailed information at www.simonswerk.com

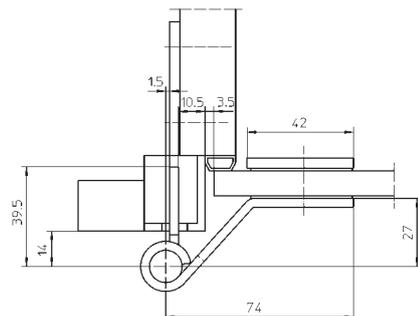
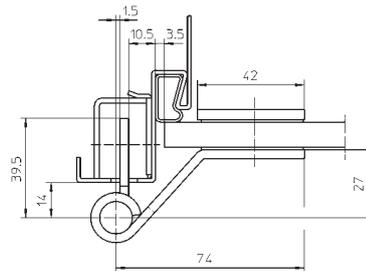
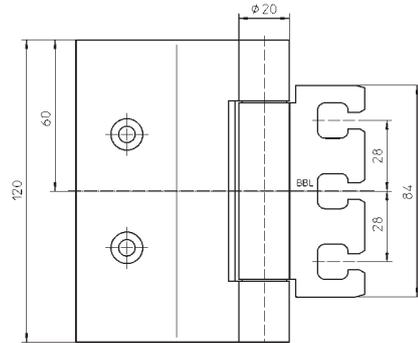
Finishes

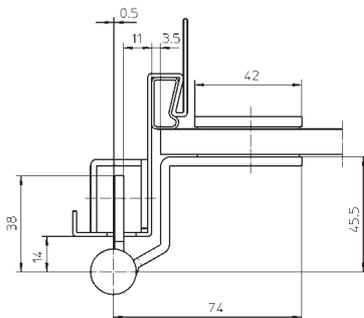
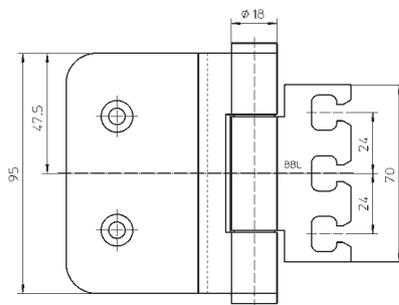
satin chromed (F1), satin stainless steel

Model type



VXG 7990/120, radiused corners





VNG 7780/100

for glass doors with unrebated steel frames

unrebated

up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	18.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VNG 7780/100 for glass doors with unrebated steel frames for three-dimensionally adjustable SIMONSWERK receiver VARIANT VN 7608/120 3D. Designed for glass doors with vertical standard hole pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 18 mm, right hand and left hand applicable. Torsion-proof pin, concealed, maintenance-free axial-radial slide bearings. Finish...

Combination

Receiver	VN 7608/120 3D
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Detailed information at www.simonswerk.com

Finishes

satın stainless steel

SIMONSWERK VARIANT® VG

VXG 7780/100 K

for glass doors with unrebated wooden, steel or aluminium frames

unrebated up to 60 kg

Technical data

Load capacity	60.0 kg
Knuckle length	95.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VXG 7780/100 K for glass doors with unrebated timber, steel or aluminium frames with square-edged design for three-dimensionally adjustable SIMONSWERK receivers VARIANT VX. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 60 kg, knuckle length 95 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	Block frame	VX 2501 3D
		VX 7501 3D
Casing frame		VX 2502 3D
		VX 7502 3D
Blind frame		VX 2505 3D
		VX 7505 3D
Steel frame		VX 7611 3D
		VX 7612 3D
Aluminium frame		VX 7521 3D

Detailed information at www.simonswerk.com

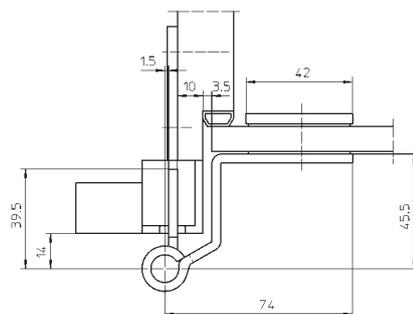
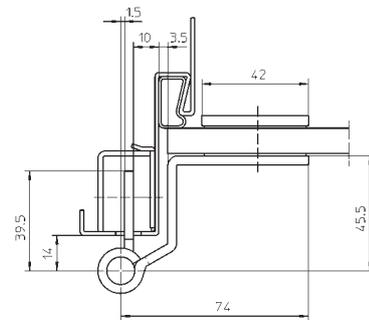
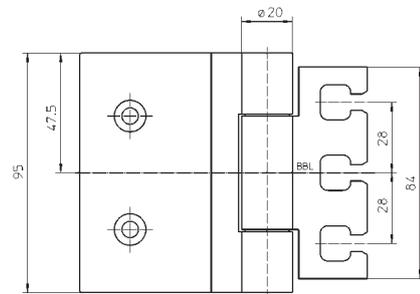
Finishes

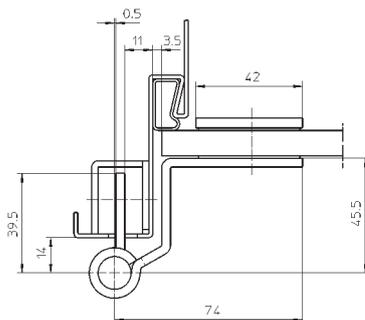
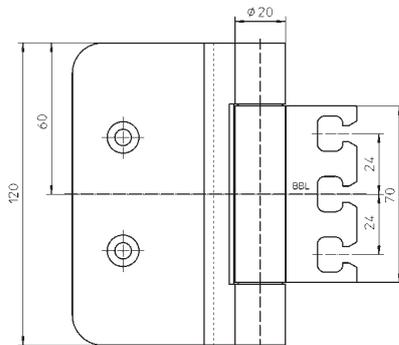
satin stainless steel

Model type



VXG 7780/100, radiused corners





VNG 7780/120

for glass doors with unrebated steel frames

up to 80 kg

Technical data

Load capacity	80.0 kg
Knuckle length	120.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VNG 7780/120 K for glass doors with rebated timber, steel or aluminium frames with square-edged design for three-dimensionally adjustable SIMONSWERK receivers VARIANT VX. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 80 kg, knuckle length 120 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	VN 7608/120 3D
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Detailed information at www.simonswerk.com

Finishes

satın stainless steel

SIMONSWERK VARIANT® VG

VXG 7780/120 K

for glass doors with unrebated wooden, steel or aluminium frames

unrebated up to 80 kg

Technical data

Load capacity	80.0 kg
Knuckle length	120.0 mm
Knuckle diameter	20.0 mm
Material thickness	3.5 mm

Descriptive text

SIMONSWERK VARIANT heavy duty hinge VXG 7780/120 K for glass doors with rebated timber, steel or aluminium frames with square-edged design for three-dimensionally adjustable SIMONSWERK receivers VARIANT VX. Designed for glass doors with vertical standard drill pattern, for glass thicknesses of 8 and 10 mm. Load capacity 80 kg, knuckle length 120 mm, knuckle diameter 20 mm, right hand and left hand applicable. Internal torsion-proof pin, concealed, maintenance-free, generously dimensioned axial-radial slide bearings. Finish...

Combination

Receiver	Block frame	VX 2501 3D
		VX 7501 3D
Casing frame		VX 2502 3D
		VX 7502 3D
Blind frame		VX 2505 3D
		VX 7505 3D
Steel frame		VX 7611 3D
		VX 7612 3D
Aluminium frame		VX 7521 3D

Detailed information at www.simonswerk.com

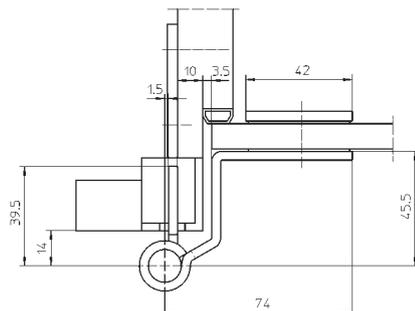
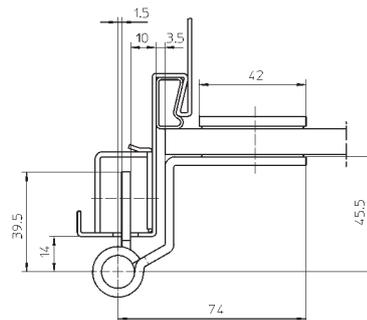
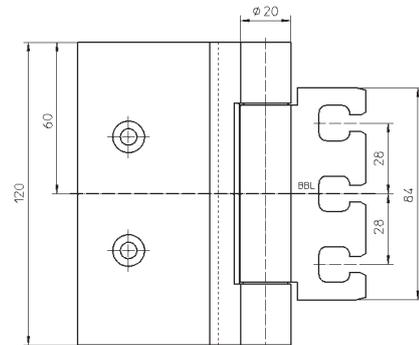
Finish

satin stainless steel

Model type



VXG 7780/120, radiused corners





VG 4400 UF

as a retrofit set for glass doors with casing frames

Retrofit		up to 40 kg
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Technical data

Load capacity	40.0 kg
Knuckle length	120.0 mm
Knuckle diameter	15.0 mm

Descriptive text

SIMONSWERK frame part VARIANT VG 4400 UF as retrofit set for glass doors with casing frames for SIMONSWERK hinge pocket series V 36... and clamping block V 3607. Even force distribution on the hinge axis is provided by the three-part design. Load capacity 40 kg, knuckle length 120 mm, knuckle diameter 15 mm, right hand and left hand applicable. Finish...

Combination

Receiver	Hinge pocket series V 36.. Clamping block V 3607
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Detailed information at www.simonswerk.com

To be fitted with

Jig	Drilling jig VARIANT VG 4400 UF
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see page 18

Finish

Galvanised

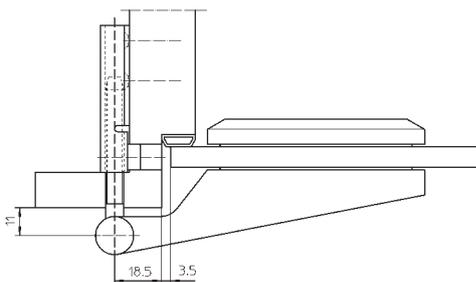
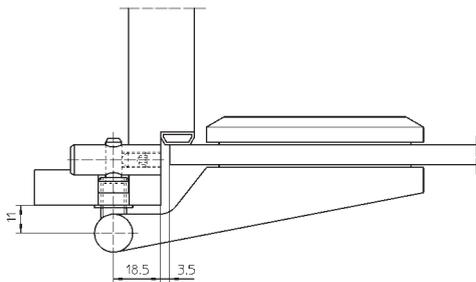
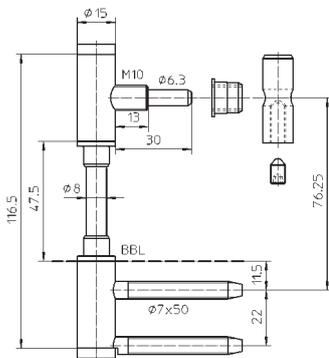
Accessories



Decorative sleeve, plastic, no. 1



Decorative sleeve, light alloy, no. 4



SIMONSWERK VARIANT® VG

VG 4400 UB

as a retrofit set for glass doors with block frames

Retrofit up to 40 kg

Technical data

Load capacity	40.0 kg
Knuckle length	120.0 mm
Knuckle diameter	15.0 mm

Descriptive text

SIMONSWERK frame part VARIANT VG 4400 UB as retrofit set for glass doors with block frames for SIMONSWERK clamping block series V 36.. and clamp V 3605. Even force distribution on the hinge axis is provided by the three-part design. Load capacity 40 kg, knuckle length 120 mm, knuckle diameter 15 mm, right hand and left hand applicable. Finish...

Combination

Receiver Clamping block series V 36..
Clamp V 3605

Detailed information at www.simonswerk.com

To be fitted with

Jig Drilling jig VARIANT VG 4400 UB
see page 18

Finish

Galvanised

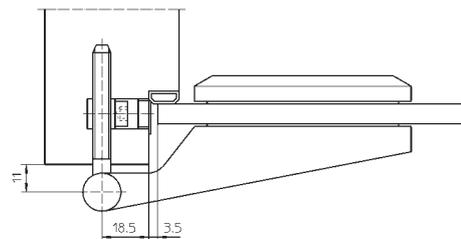
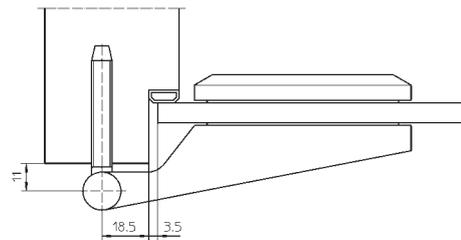
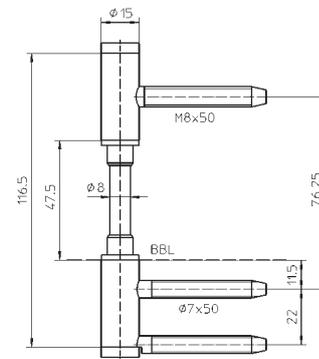
Accessories

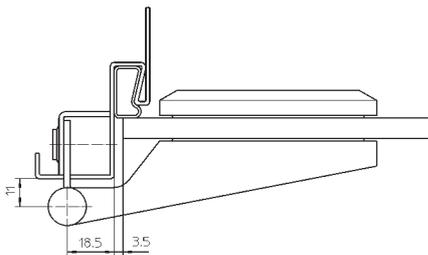
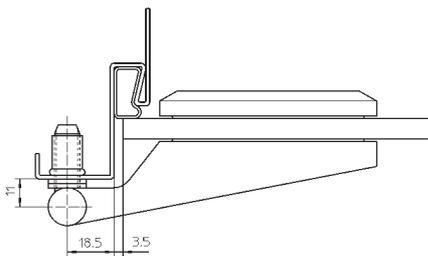
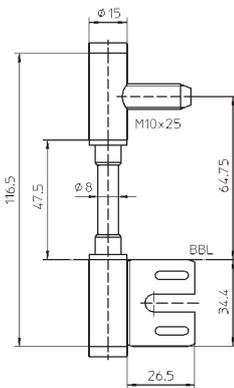


Decorative sleeve, plastic, no. 1



Decorative sleeve, light alloy, no. 4





VG 8000 U

as a retrofit set for glass doors with steel frames

Retrofit

up to 40 kg

Technical data

Load capacity	40.0 kg
Knuckle length	120.0 mm
Knuckle diameter	15.0 mm

Descriptive text

SIMONSWERK frame part VARIANT VG 8000 U as retrofit set for glass doors with steel frames for SIMONSWERK hinge pocket for steel frames VARIANT V 8600, V 8610 and blind rivet nut M10. Even force distribution on the hinge axis is provided by the three-part design. Load capacity 40 kg, knuckle length 120 mm, knuckle diameter 15 mm, right hand and left hand applicable. Finish...

Combination

Receiver	Back weld pocket V 8600 V 8610 Blind rivet nut M10
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Detailed information at www.simonswerk.com

To be fitted with

Jig	Drilling jig	VARIANT VG 8000 U
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see page 18

Finish

Galvanised

Accessories



Decorative sleeve, plastic, no. 1



Decorative sleeve, light alloy, no. 4

Drilling jig VG 4400 UF

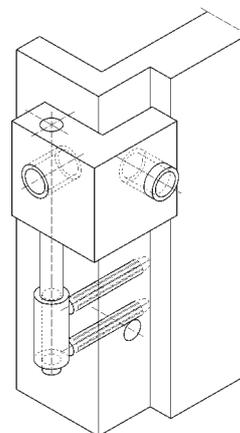
This drilling jig can be used to drill the holes for a second hinge receiver (rebate fastening) on an on-site casing frame with glass door.

Usable for

VG 4400 UF

The complete jig comprises

- 1 drilling jig
- 1 bit 12 mm
- 1 fitting instruction



Drilling jig VG 8000 U

This drilling jig can be used to drill the holes for a second hinge receiver (blind rivet nut) on an on-site steel frame with glass door.

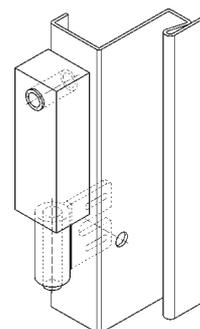
Usable for

VG 4400 UB

VG 8000 U

The complete jig comprises

- 1 drilling jig
- 1 bit 6.8 mm
- 1 bit 12.1 mm
- 1 fitting instruction



CONTAINS

SIMONSWERK VARIANT® VG

VG 3990	VNG 7990	VXG 7990	VG 4400 UF
VG 4790	VNG 7780	VXG 7780	VG 4400 UB
VG 8790			VG 8000 U

FURTHER BRANDS MADE BY SIMONSWERK

SIMONSWERK TECTUS®

SIMONSWERK VARIANT® VX

SIMONSWERK VARIANT® VN

SIMONSWERK VARIANT® V

SIMONSWERK BAKA®

SIMONSWERK SIKU®

SIMONSWERK ALPRO®

Brochure VARIANT® VG

12/2014
5 800274 0 00001/1.0

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