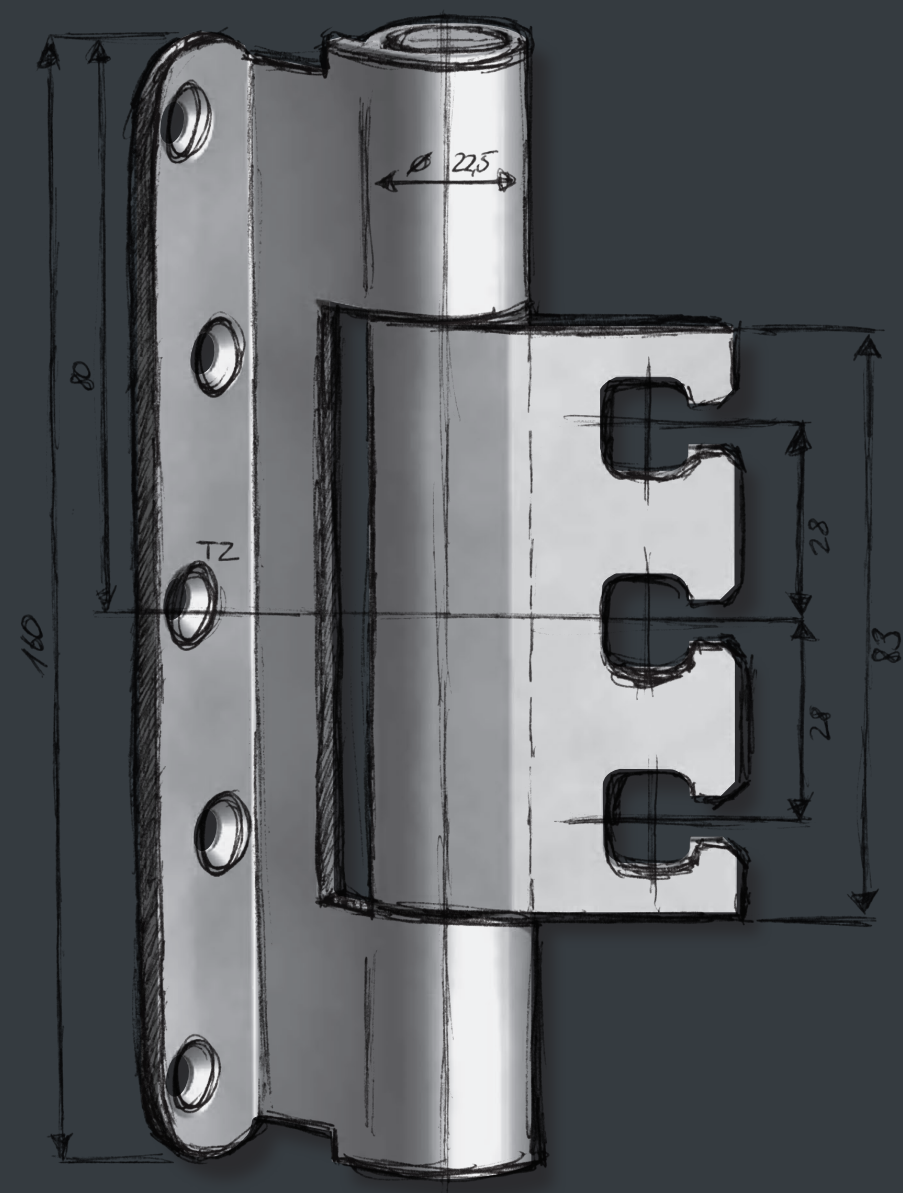


A large, dark grey, stylized letter 'S' is positioned in the background, spanning across the middle of the page. It has a thick, rounded, modern feel.

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PRODUCT CATALOGUE 2011/12



Standard and custom-made products

More than just diversity

For nearly 150 years, the medium-sized family-business SCHWARTE has been a leading producer of high-quality hinges and hinge systems for doors, gates and windows.

If you require high-quality hinges or even customized solutions, SCHWARTE is the right choice! Apart from a broad offering of standard products, we also focus on your specific needs. Either in close cooperation or by simply providing a dimensional drawing or sketch, we develop a product that suits your individual requirements. Our engineering capabilities coupled with an optimal level of production flexibility ensure efficient production and high-quality products as well as short delivery times regardless of order volumes. The quality of our products is constantly monitored in in-house testing facilities. SCHWARTE hinges are CE-marked, applying to fire, sound and burglar resistant doors.

SCHWARTE hinges open the doors for you to many well-known commercial buildings including: Kameha Grand Hotel Bonn, Porsche Centre Stuttgart, University Hospital Hamburg-Eppendorf, Neues Museum Berlin, Messe Stuttgart, Allianz Arena Munich, Airport Munich...



Content

- p 9** VARIO Hinge V
- p 25** VARIO Hinge VLX/VL
- p 97** VARIO Hinge Receiver
- p 117** Weld-on Hinge
- p 131** Spring Hinge Set
- p 139** Drill-in Hinge
- p 159** Door and Window Hinge
- p 173** Accessories
- p 183** Technical Information

Images shown do not correspond to the actual size of the products.
We do not accept responsibility for errors, inaccuracies and omissions as well as specification changes.



SCHWARTE VARIO Hinge V

SCHWARTE project hinge V

for interior doors consisting of

- door component
- frame component

in the specific combination suitable for door weights from 40 up to 80 kg.

Technical features

- Narrow hinge knuckle (Ø 15 mm)
- Maintenance-free due to high-quality plastics
- Easy assembly by using specific receivers
- Door component optionally available with security pin
- In case of heavy load, use reinforcing dowel for hinge stabilization
- Load capacity only applies to the specified combination

Finishes available

- Steel, galvanized
- Steel, yellow galvanized
- Steel, nickel-plated
- Steel, matt nickel-plated
- Steel, matt chrome-plated
- Steel, polished chrome-plated
- Steel, polished gold-plated
- Steel, brass-plated
- Steel, burnished
- Stainless steel, satin
- Stainless steel, polished
- RAL-coloured

Custom-specific hinges

If you require a special hinge, please submit a dimensional drawing or sketch, thus we can design and produce a hinge that suits your individual requirements.

Content

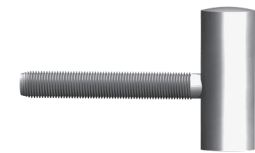
p 10 p 15 p 17 p 19 p 20	Door component	Steel / timber frames	Rebated Unrebated
	Frame component	Timber frames	Rebated / unrebated Rebated
		Steel frames	Rebated / unrebated

VARIO door component V 0020

Door component for rebated doors

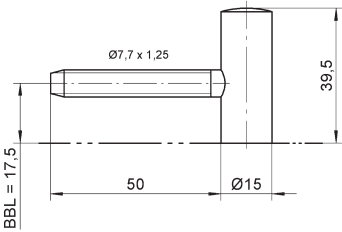
Product Specification

Hinge	door component
Door	rebated
Frame	timber / steel
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Material thickness	2.5 mm
Load capacity (acc. to DL)	40 kg

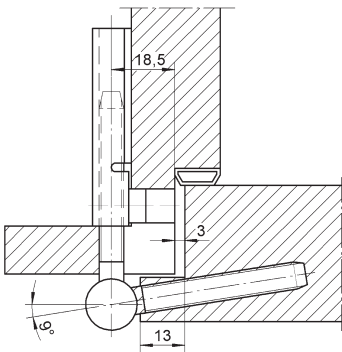


Combination

Timber frame	V 3400 WF
Steel frame	V 8100 WF

Certification Mark

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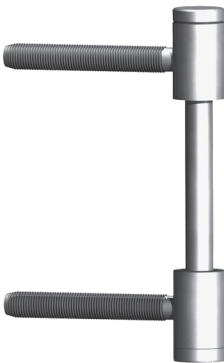


VARIO door component V 0026 WF

Door component for rebated doors

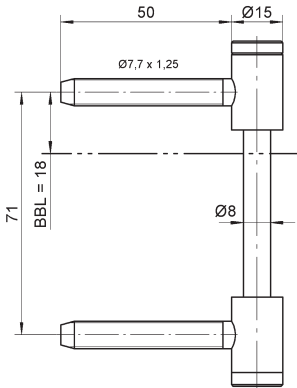
Product Specification

Hinge	door component
Door	rebated
Frame	timber / steel
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	8 mm
Load capacity (acc. to DL)	70 kg



Combination

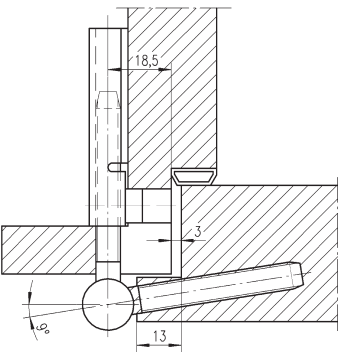
Timber frame	V 4400 WF
	V 4700 WF
Steel frame	V 8000 WF

Accessories (optional)

Security pin	Version STS
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Certification Mark

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VARIO door component V 0030

Door component for rebated doors

Product Specification

Hinge	door component
Door	rebated
Frame	timber / steel
Direction	DIN left / right
Finish	see p 09

Please specify DIN direction when ordering

Technical Data

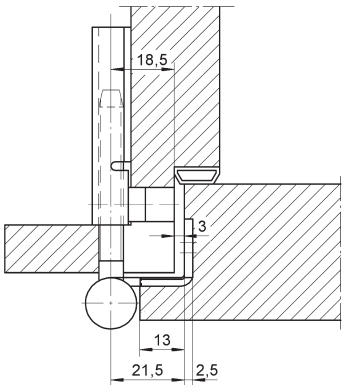
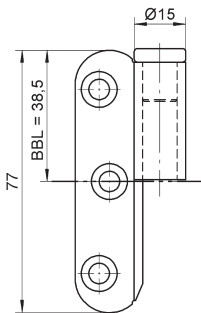
Height	77 mm
Knuckle diameter	15 mm
Material thickness	2.5 mm
Screws	4.5 x 50 mm
Cutter diameter	20 mm
Load capacity (acc. to DL)	60 kg

Combination

Timber frame	V 3400 WF
Steel frame	V 8100 WF

Certification Mark

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VARIO door component V 0037 WF

Door component for rebated, lightweight doors

Product Specification

Hinge	door component
Door	rebated, lightweight
Frame	timber / steel
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09

Technical Data

Height	103 mm
Knuckle diameter	15 mm
Pin diameter	8 mm
Material thickness	2.5 mm
Screws	4.5 x 50 mm
Cutter diameter	20 mm
Load capacity (acc. to DL)	80 kg

Combination

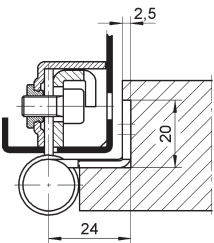
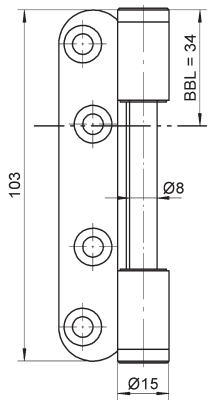
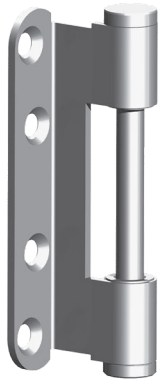
Timber frame	V 4400 WF
	V 4700 WF
Steel frame	V 8000 WF

Accessories (optional)

Security pin	Version STS
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Certification Mark

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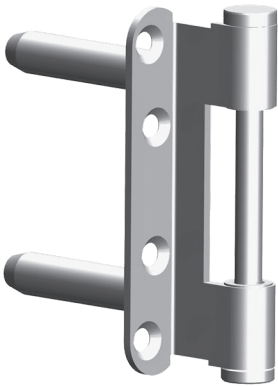


VARIO door component V 0037 WF SI

Door component for rebated, lightweight, burglar resistant doors

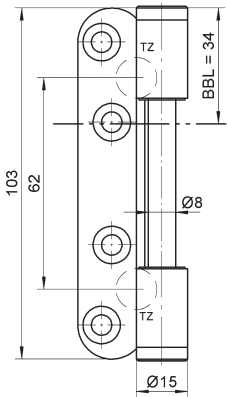
Product Specification

Hinge	door component
Door	rebated, lightweight
Frame	timber / steel
WF	maintenance-free slide bearings
SI	burglar resistant
Direction	DIN left / right
Finish	see p 09



Technical Data

Height	103 mm
Knuckle diameter	15 mm
Pin diameter	8 mm
Material thickness	2.5 mm
Screws	4.5 x 50 mm
Cutter diameter	20 mm
Load capacity (acc. to DL)	80 kg



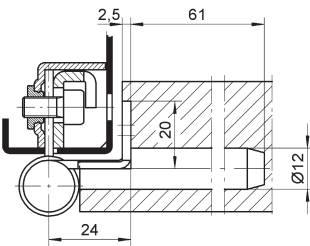
Combination

Timber frame	V 4400 WF V 4700 WF
Steel frame	V 8000 WF

Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO door component V 0080

Door component for unrebrated doors

Product Specification

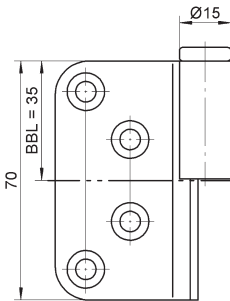
Hinge	door component
Door	unrebrated
Frame	timber / steel
Direction	DIN left / right
Finish	see p 09



Please specify DIN direction when ordering

Technical Data

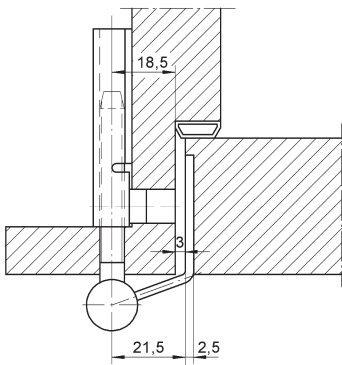
Height	70 mm
Knuckle diameter	15 mm
Material thickness	2.5 mm
Screws	4.5 x 50 mm
Cutter diameter	20 mm
Load capacity (acc. to DL)	40 kg



Combination

Timber frame	V 3400 WF
Steel frame	V 8100 WF

Certification Mark

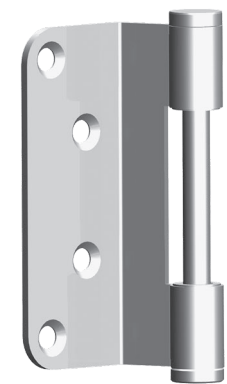


VARIO door component V 0087 WF

Door component for unrebated doors

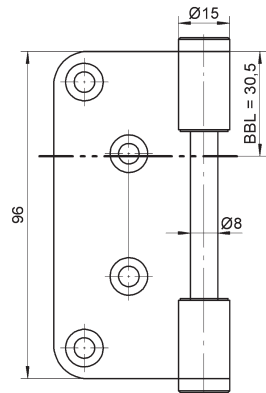
Product Specification

Hinge	door component
Door	unrebated
Frame	timber / steel
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Height	96 mm
Knuckle diameter	15 mm
Pin diameter	8 mm
Material thickness	2.5 mm
Screws	4.5 x 50 mm
Cutter diameter	20 mm
Load capacity (acc. to DL)	70 kg



Combination

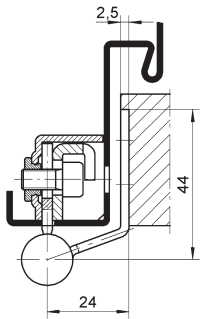
Timber frame	V 4400 WF
Steel frame	V 8000 WF

Accessories (optional)

Security pin	Version STS
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Certification Mark

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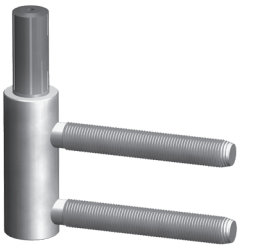


VARIO frame component V 3400 WF

Frame component for rebated and unrebated doors with timber frames

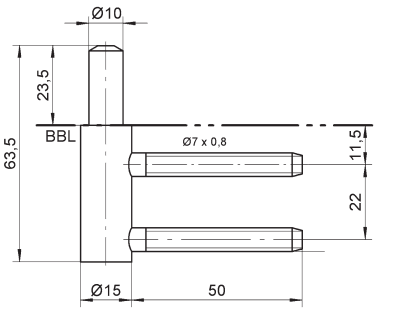
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	10 mm



Combination

Rebated	V 0020
	V 0030
Unrebated	V 0080

Certification Mark

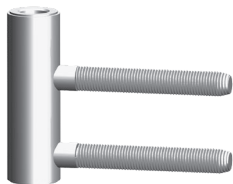
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VARIO frame component V 4400 WF

Frame component for rebated and unrebated doors with timber frames

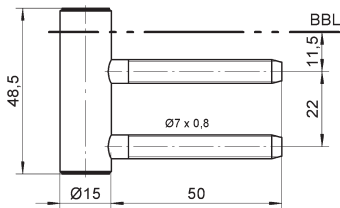
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	8 mm



Combination

Rebated	V 0026 WF V 0037 WF
Unrebated	V 0087 WF

Certification Mark

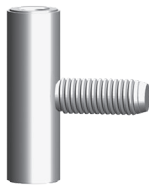
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VARIO frame component V 4700 WF

Frame component for rebated doors with timber frames

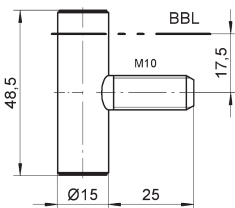
Product Specification

Hinge	frame component
Door	rebated
Frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	8 mm



Combination

Rebated	V 0026 WF V 0037 WF
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Certification Mark

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VARIO frame component V 8000 WF

Frame component for rebated and unrebated doors with steel frames

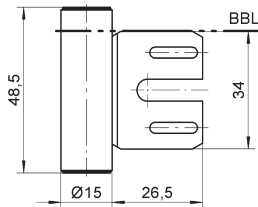
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	steel
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	8 mm



Combination

Rebated	V 0026 WF V 0037 WF
Unrebated	V 0087 WF

Certification Mark



VARIO frame component V 8000 WF NR

Frame component for rebated and unrebated doors with steel frames

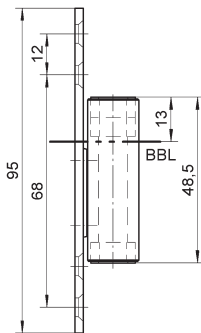
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	steel
WF	maintenance-free slide bearings
NR	retrofitting
Direction	DIN left / right
Finish	see p 09



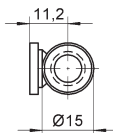
Technical Data

Knuckle diameter	15 mm
Pin diameter	8 mm



Combination

Rebated	V 0026 WF V 0037 WF
Unrebated	V 0087 WF



Certification Mark



VARIO frame component V 8100 WF

Frame component for rebated and unrebated doors with steel frames

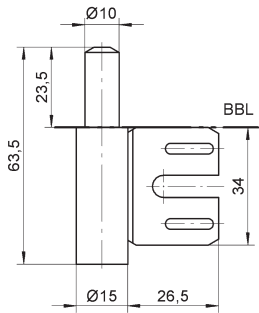
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	steel
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	10 mm



Combination

Rebated	V 0020
	V 0030
Unrebated	V 0080

Certification Mark

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VARIO frame component V 8100 WF U

Frame component for rebated and unrebated doors with steel frames

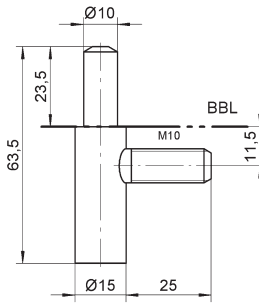
Product Specification

Hinge	frame component
Door	rebated / unrebated
Frame	steel
WF	maintenance-free slide bearings
U	refitting (blind rivet nut M10)
Direction	DIN left / right
Finish	see p 09



Technical Data

Knuckle diameter	15 mm
Pin diameter	10 mm



Combination

Rebated	V 0020
	V 0030
Unrebated	V 0080

Certification Mark

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SCHWARTE VARIO Hinge VLX/VL

SCHWARTE project hinge VLX/VL

for commercial and residential building doors
available in sizes

- 100 mm
- 120 mm
- 160 mm

suitable for door weights up to 300 kg.

Technical features

- Three dimensionally adjustable through combination with specific hinge receivers
- Ease of installation and correction of fit
- Concealed slide bearings
- Maintenance-free due to high-quality plastics
- Internal, torsion-proof pin
- Reinforcing dowel for hinge stabilization in case of heavy load
- Material thickness 3.5 mm / 4.0 mm
- Functional areas: smoke / fire resistant, sound protection (FD), burglar resistant (SI)

Finishes available

- Steel, galvanized
- Steel, yellow galvanized
- Steel, nickel-plated
- Steel, matt nickel-plated
- Steel, matt chrome-plated
- Steel, polished chrome-plated
- Steel, polished gold-plated
- Steel, brass-plated
- Steel, burnished
- Stainless steel, satin
- Stainless steel, polished
- RAL-coloured

Custom-specific hinges

If you require a special hinge, please submit a dimensional drawing or sketch, thus we can design and produce a hinge that suits your individual requirements.

Content

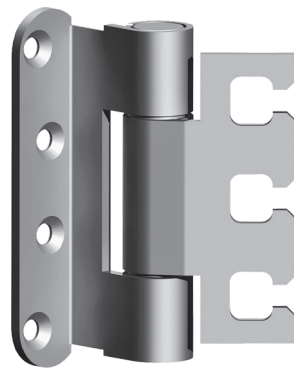
p 26	Hinge VLX	Timber / steel frames	Rebated
p 38			Unrebated
p 42	Hinge VL	Steel frames	Rebated
p 57			Unrebated
p 62		Block / timber frames	Rebated
p 80			Unrebated
p 87	Retrofit Hinge VL	Steel frames	Rebated
p 88			Unrebated
p 90		Timber / steel frames	Rebated
p 94			Unrebated

VARIO Hinge VLX 1001/100

Project hinge for rebated doors with hinge receiver VLX

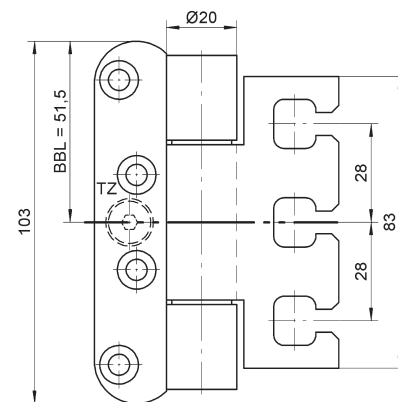
Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

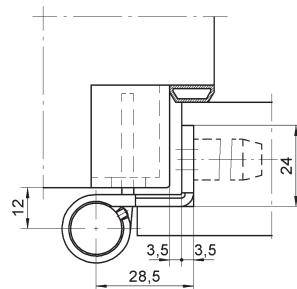


Combination

Receiver VLX system, 3-D adjustable

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark

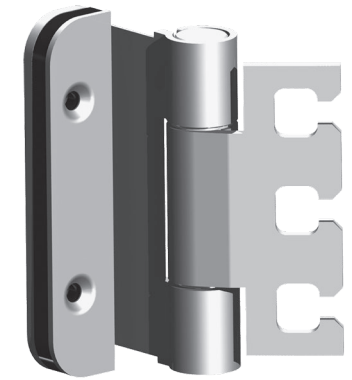


VARIO Hinge VLX 1001/100 FD

Project hinge for rebated doors with rebate seal with hinge receiver VLX

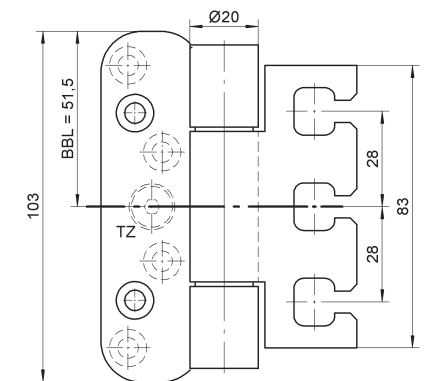
Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

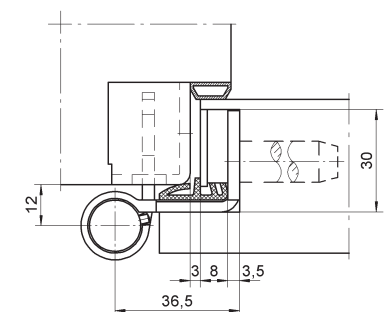


Combination

Receiver VLX system, 3-D adjustable

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark

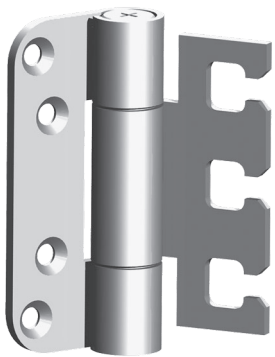


VARIO Hinge VLX 0106/100

Project hinge for rebated, flush doors with hinge receiver VLX

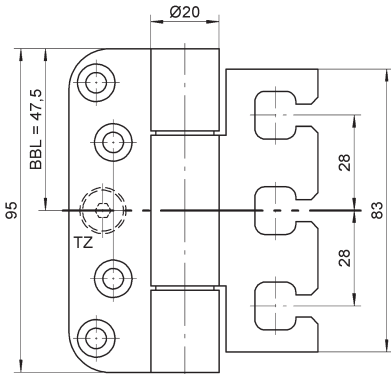
Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	80 kg
Standard	EN1935

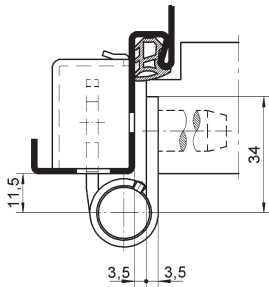


Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark



VARIO Hinge VLX 1001/120

Project hinge for rebated doors with hinge receiver VLX

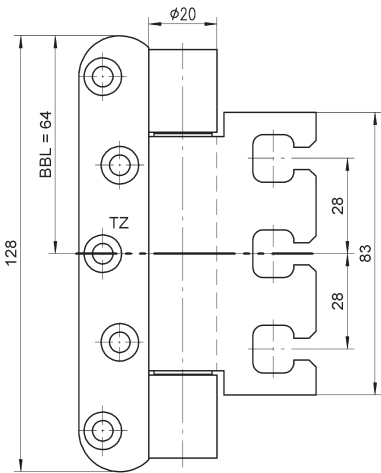
Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

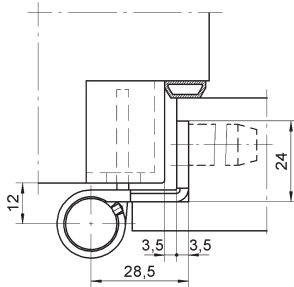


Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark



VARIO Hinge VLX 0106/120

Project hinge for rebated, flush doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

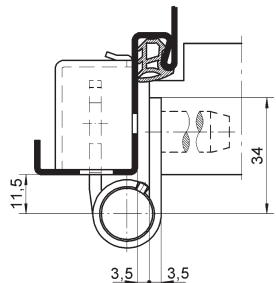
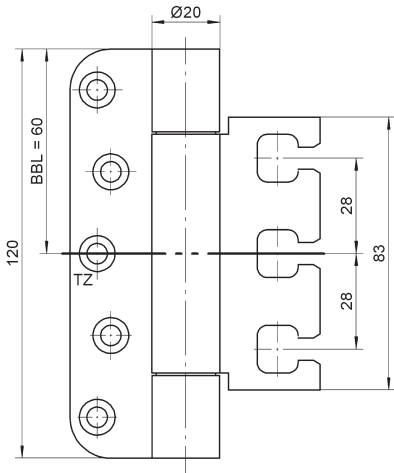
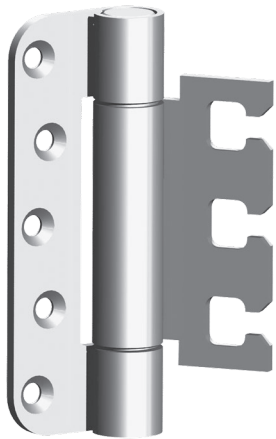
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 1001/160

Project hinge for rebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg
Standard	EN1935

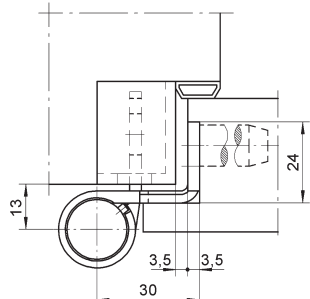
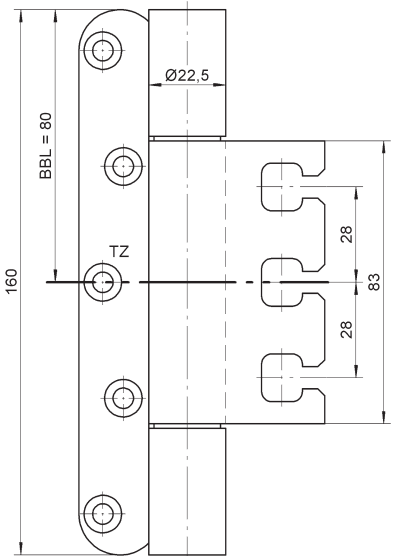
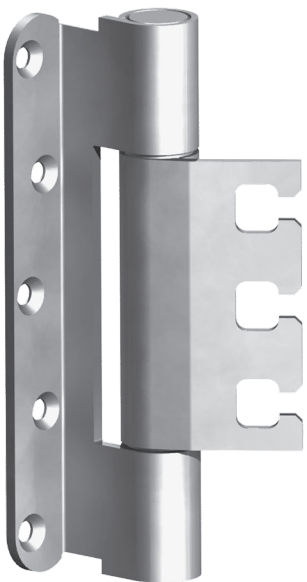
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 1001/160 FD

Project hinge for rebated doors with rebate seal with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg
Standard	EN1935

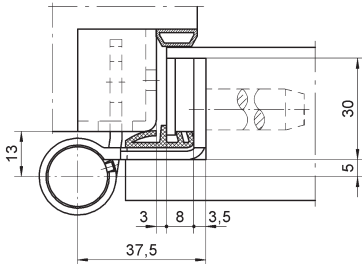
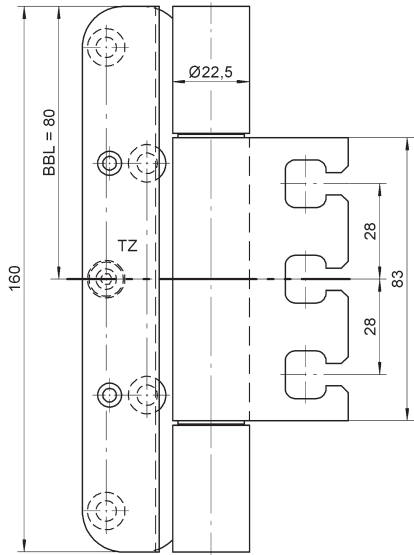
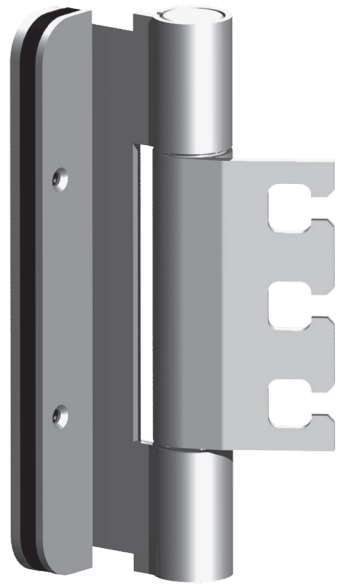
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 1001/160 SI

Project hinge for rebated, burglar resistant doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg
Standard	EN1935

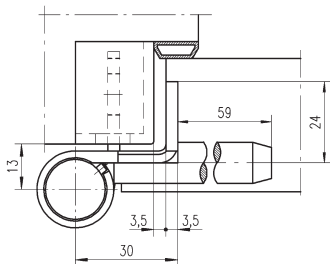
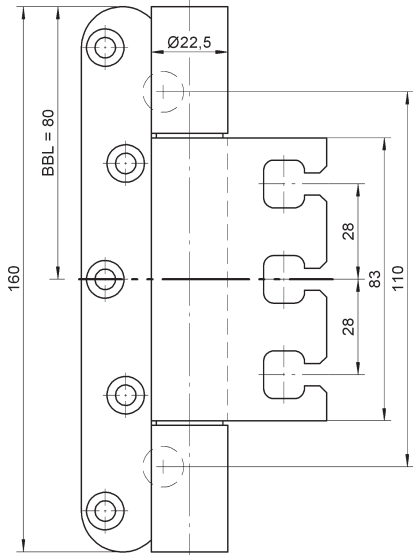
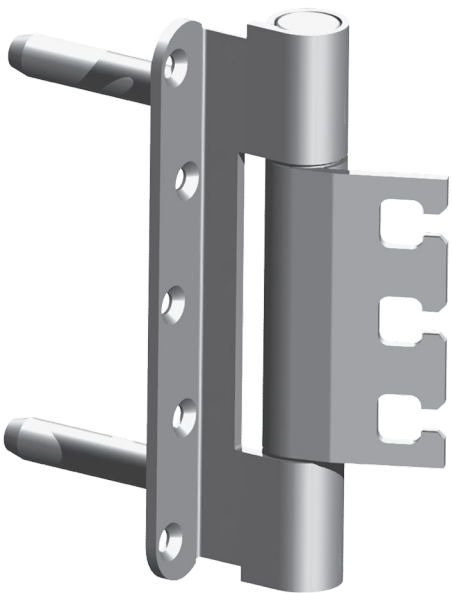
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VLX 1001/160 FD SI

Project hinge for rebated, burglar resistant doors with rebate seal with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel / aluminium
FD	rebate seal
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg
Standard	EN1935

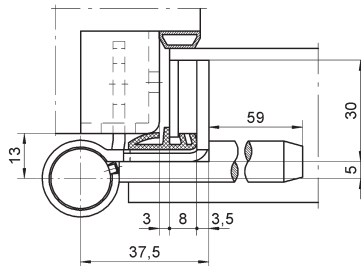
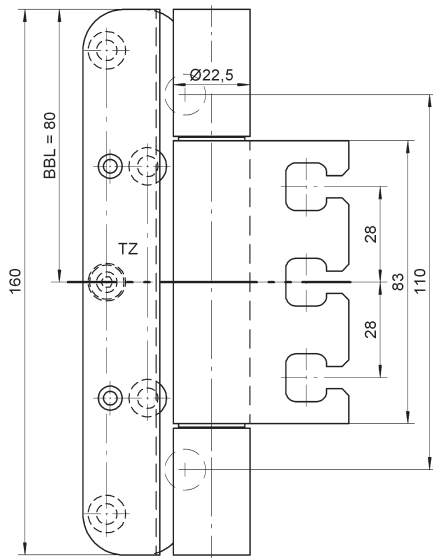
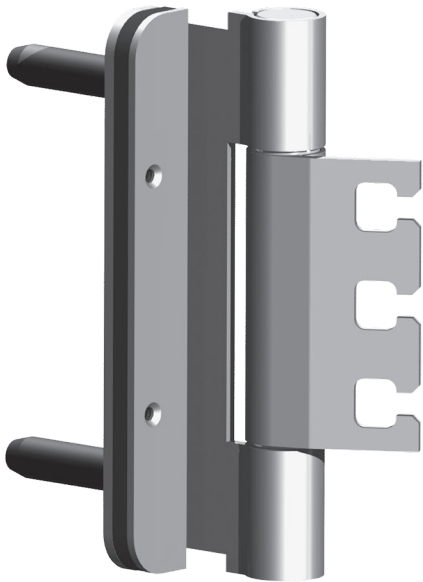
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 0106/160

Project hinge for rebated, flush doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

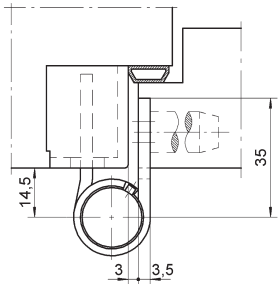
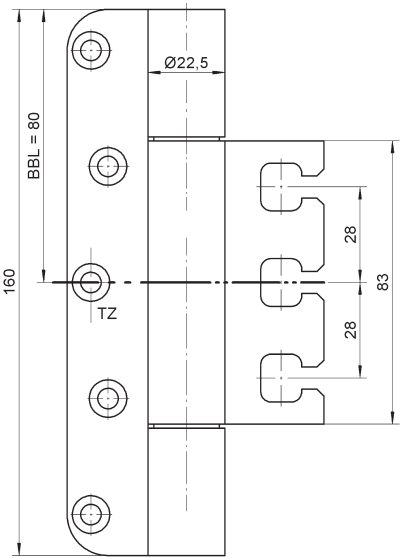
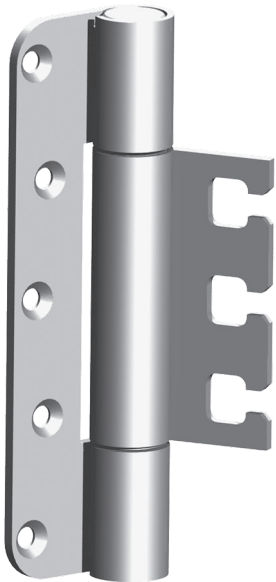
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 1001/160-4

Project hinge for rebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated, heavy
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	4.0 mm
Screws	6 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg
Standard	EN1935

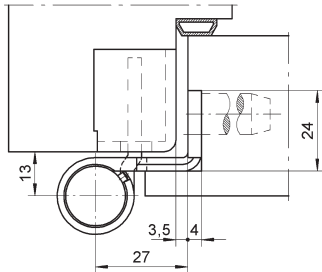
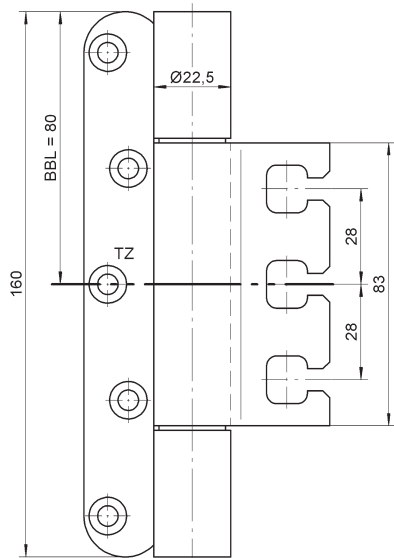
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 1001/160-4 FD

Project hinge for rebated doors with rebate seal with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	rebated, heavy
Frame	timber / steel / aluminium
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	4.0 mm
Screws	6 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg
Standard	EN1935

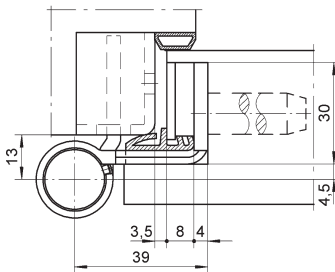
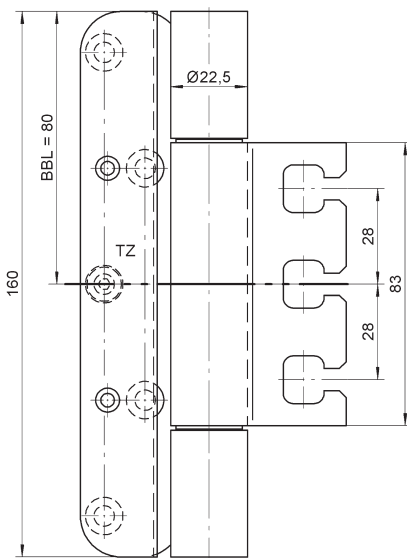
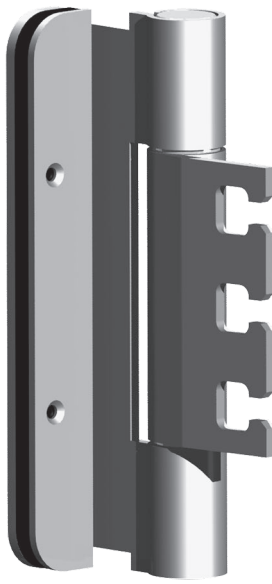
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 0102/100

Project hinge for unrebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

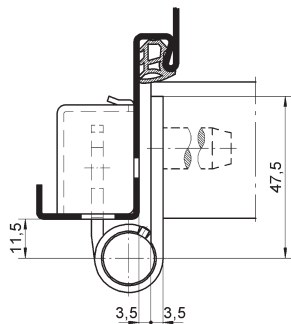
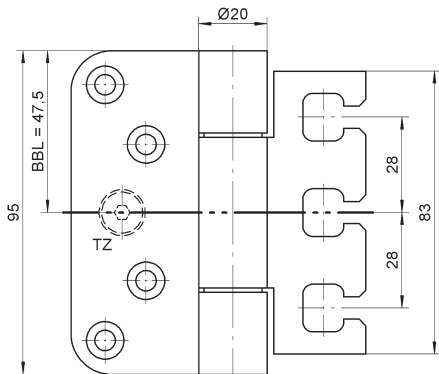
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark

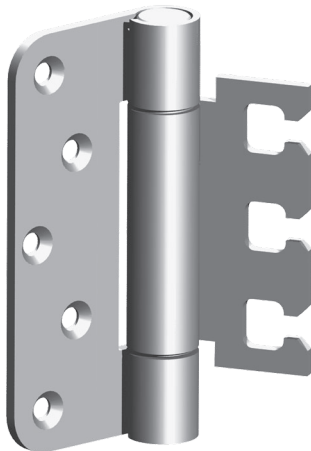


VARIO Hinge VLX 0102/120

Project hinge for unrebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

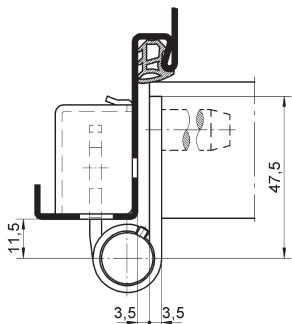
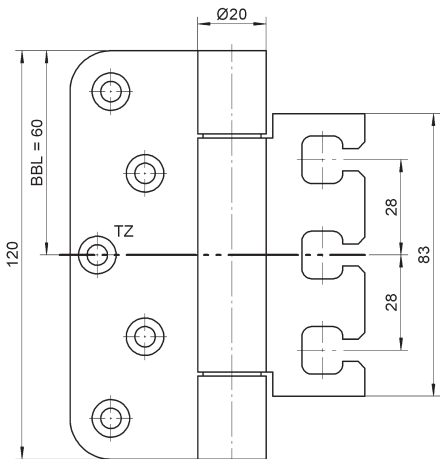
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 0102/160

Project hinge for unrebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg
Standard	EN1935

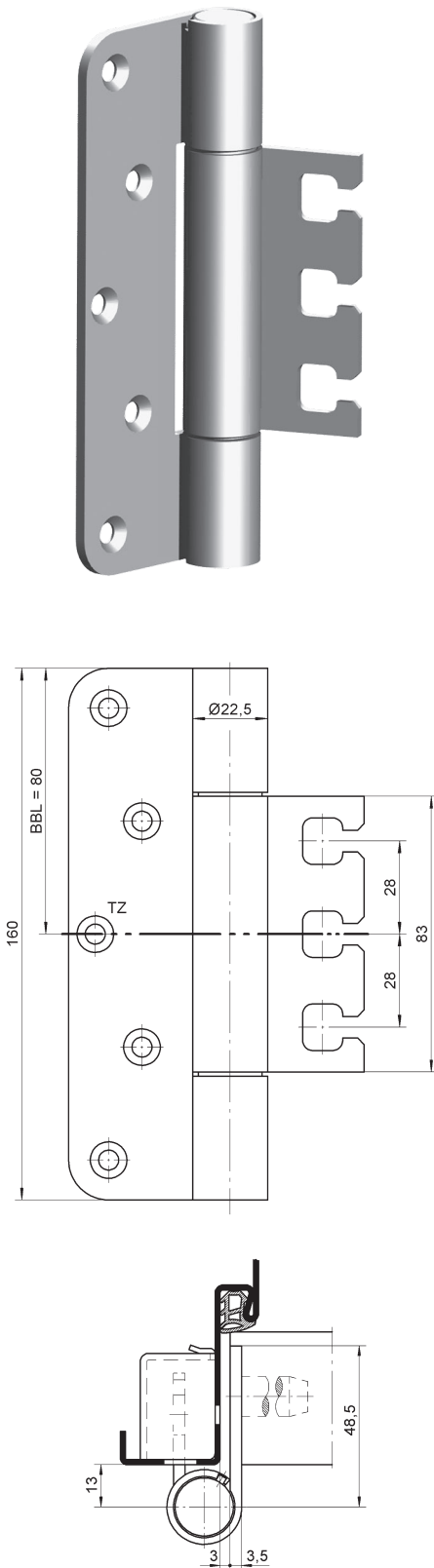
Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VLX 0102/160-4

Project hinge for unrebated doors with hinge receiver VLX

Product Specification

Hinge	project hinge
Door	unrebated, heavy
Frame	timber / steel / aluminium
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	4.0 mm
Screws	6 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg
Standard	EN1935

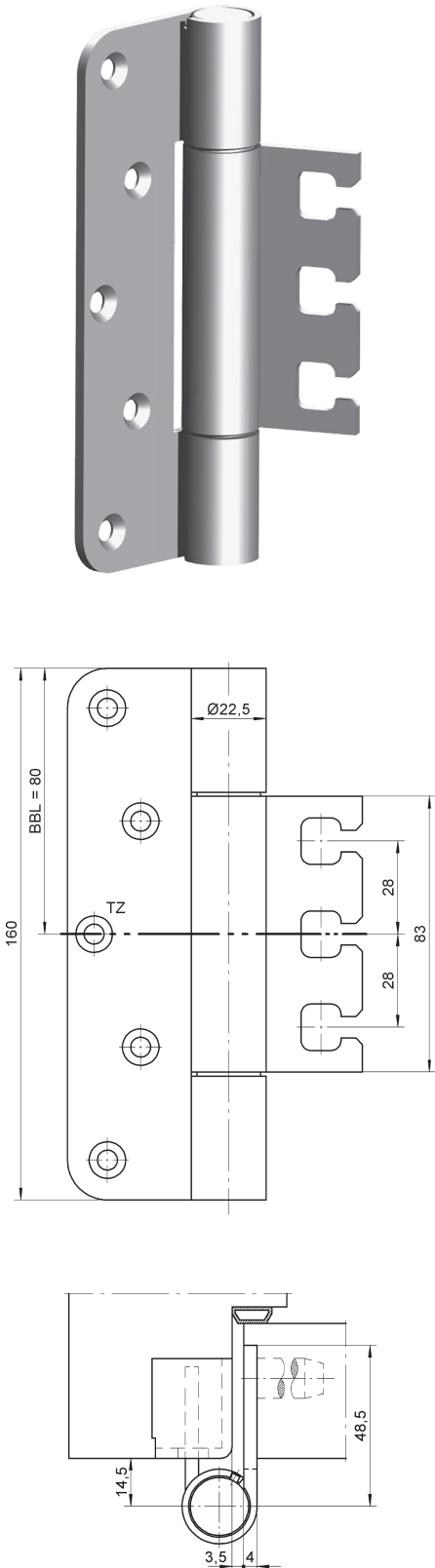
Combination

Receiver	VLX system, 3-D adjustable
----------	----------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 1007/100

Project hinge for rebated doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

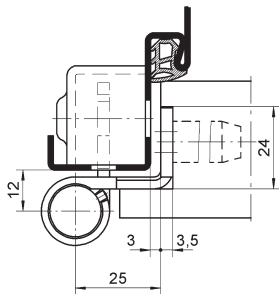
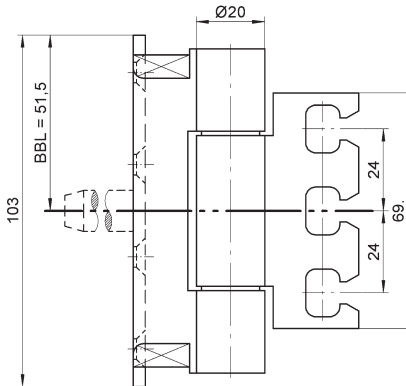
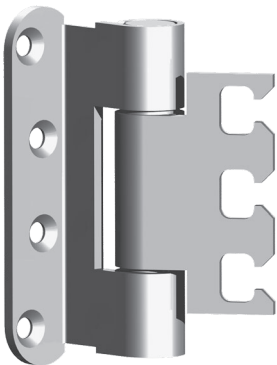
Combination

Receiver	VN system, 3-D adjustable
----------	---------------------------

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 1007/100 FD

Project hinge for rebated doors with rebate seal with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

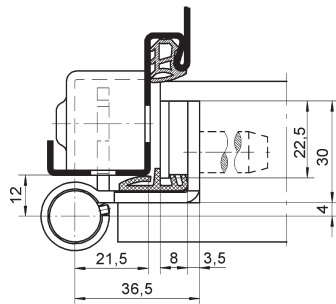
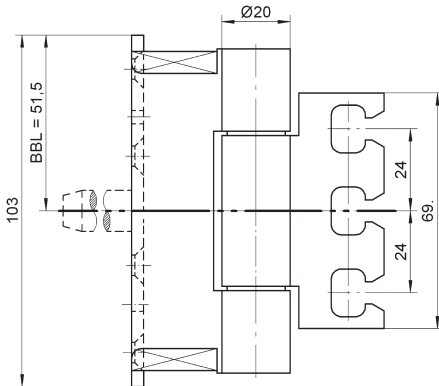
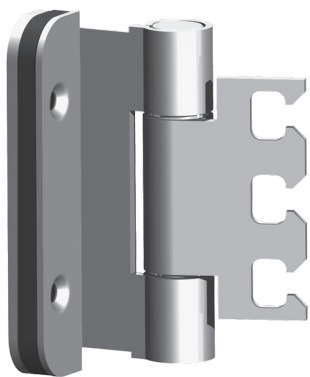
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0801/100

Project hinge for rebated timber doors with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated, timber
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

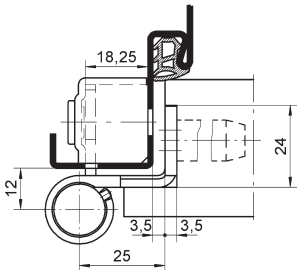
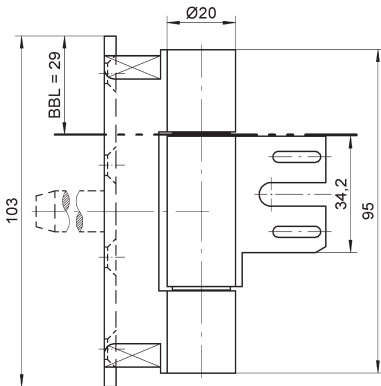
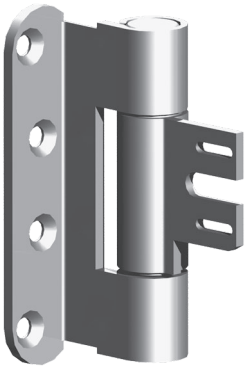
Combination

Weld-on pocket	V 7500
	V 8600

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	12 x 60 mm
(for heavy load)	

Certification Mark



VARIO Hinge VL 0801/100 FD

Project hinge for rebated doors with rebate seal with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

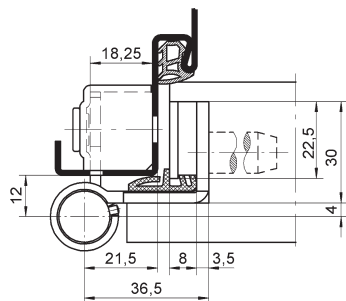
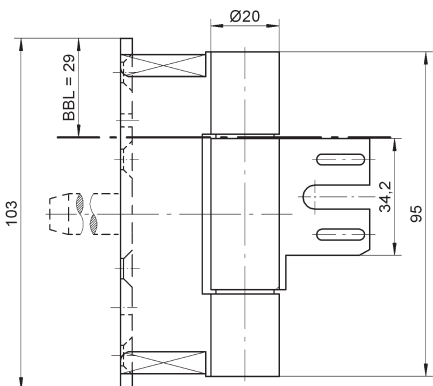
Combination

Weld-on pocket	V 7500
	V 8600

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	12 x 60 mm
(for heavy load)	

Certification Mark



VARIO Hinge VL 0101/120

Project hinge for rebated doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

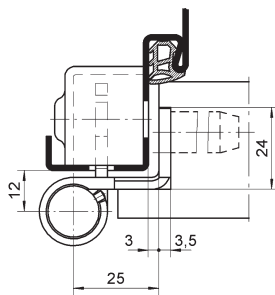
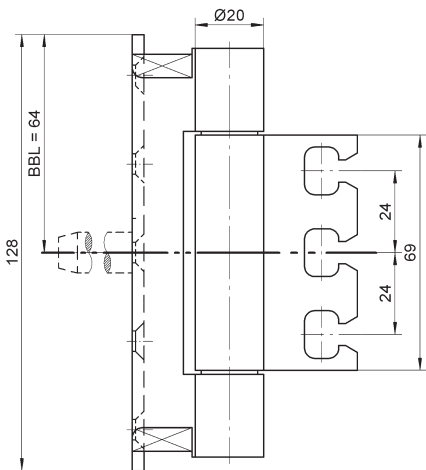
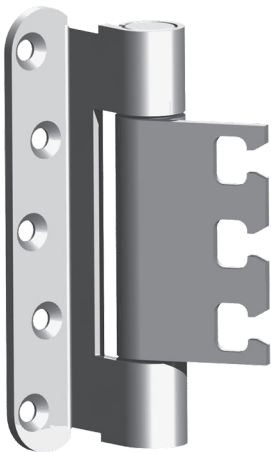
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0106/120

Project hinge for rebated, flush doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

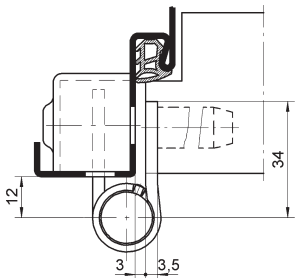
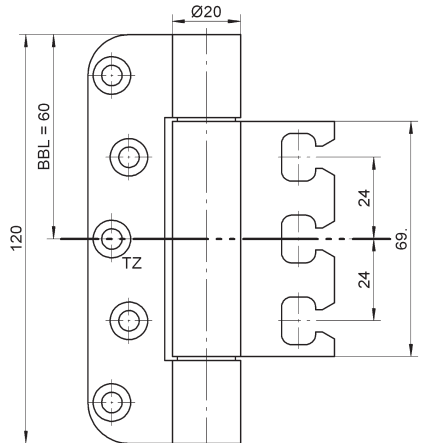
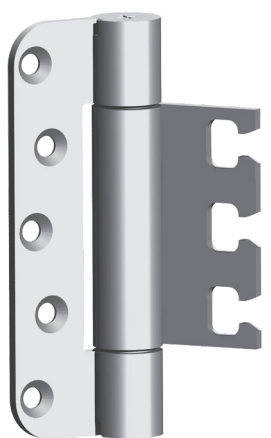
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0101/160

Project hinge for rebated doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

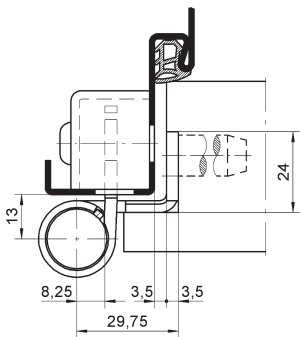
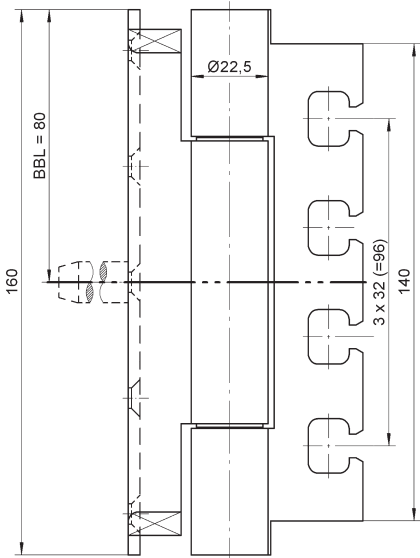
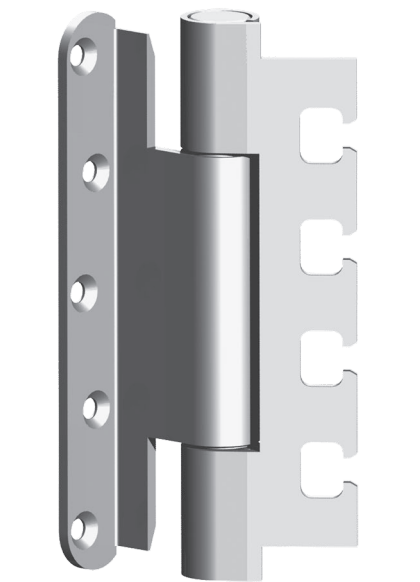
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0101/160 FD

Project hinge for rebated doors with rebate seal with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

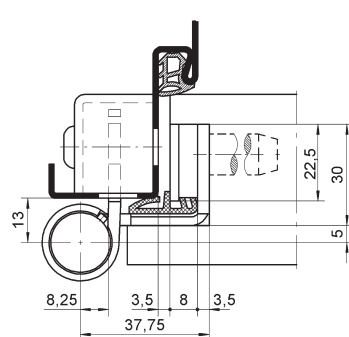
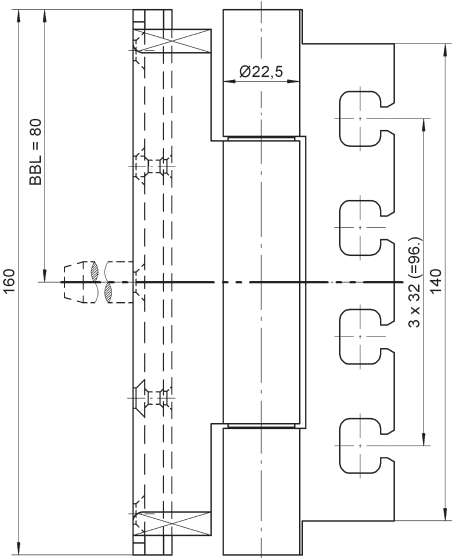
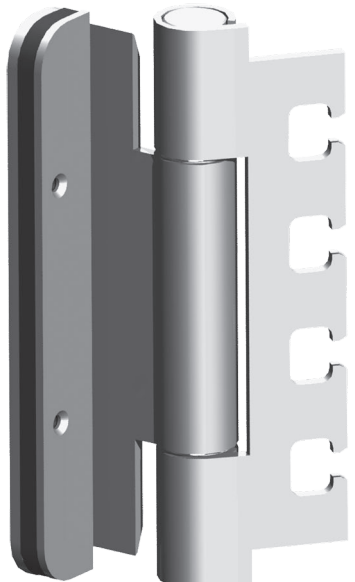
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0101/160 SI

Project hinge for rebated, burglar resistant doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

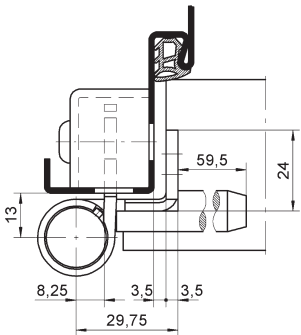
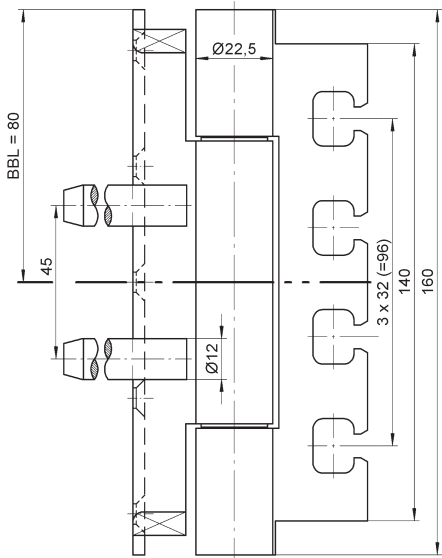
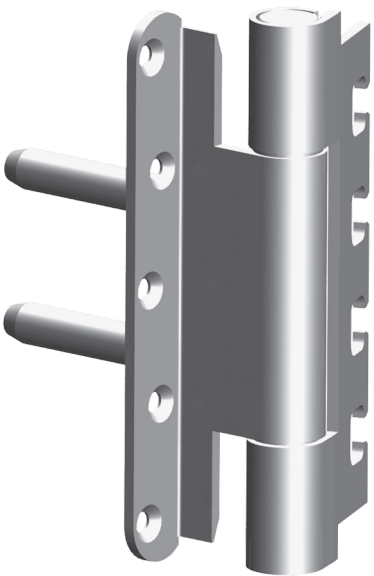
Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 0101/160 FD SI

Project hinge for rebated, burglar resistant doors with rebate seal with receiver VN

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

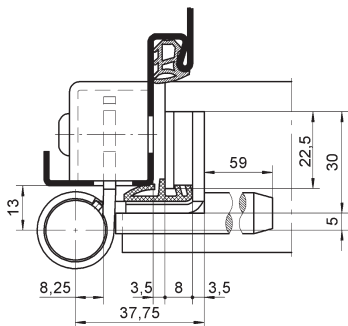
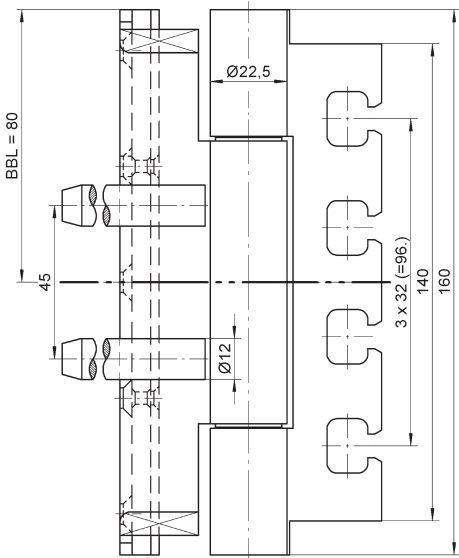
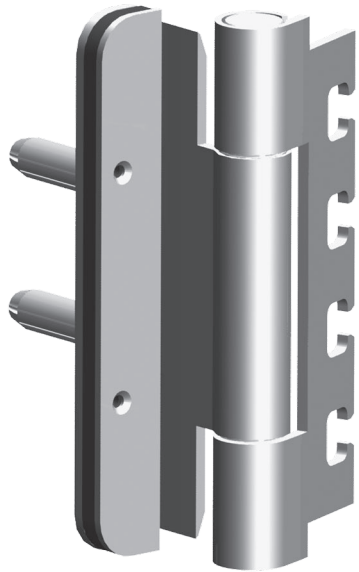
Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 0106/160

Project hinge for rebated, flush doors with hinge receiver VN

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

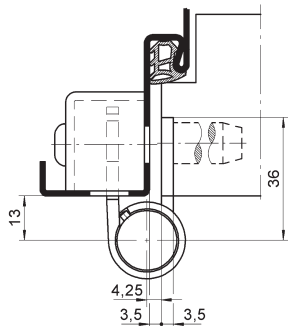
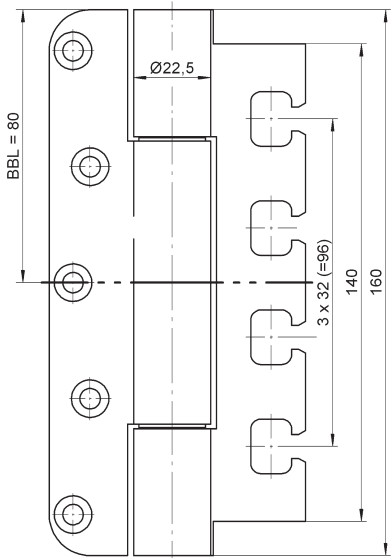
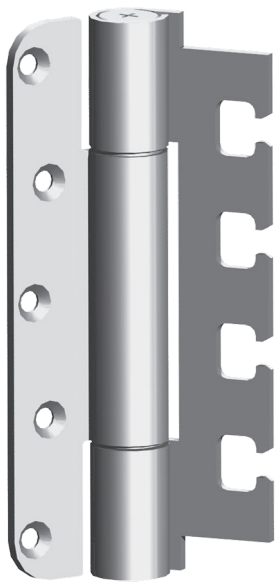
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0707/160

Project hinge for rebated doors with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

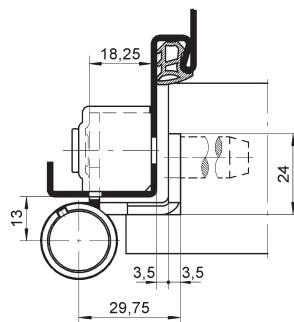
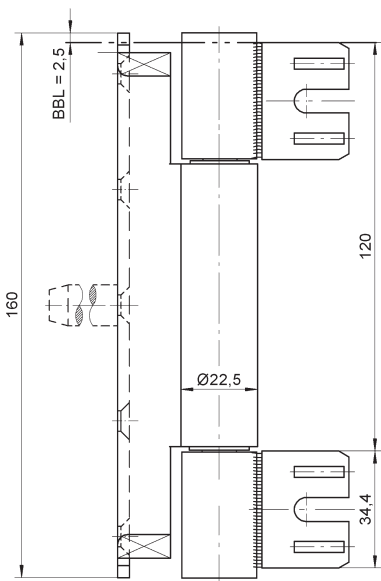
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0707/160 FD

Project hinge for rebated doors with rebate seal with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

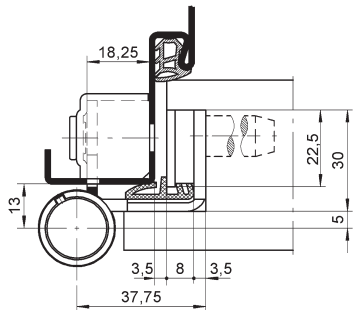
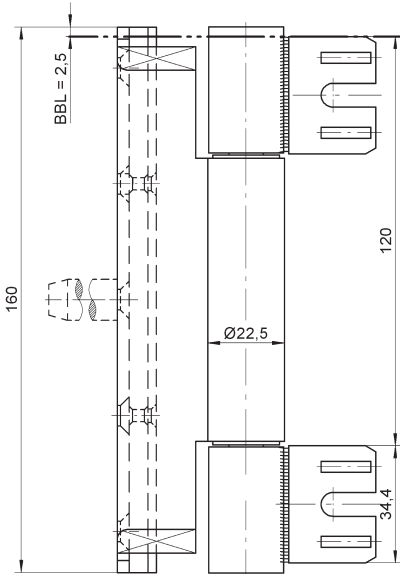
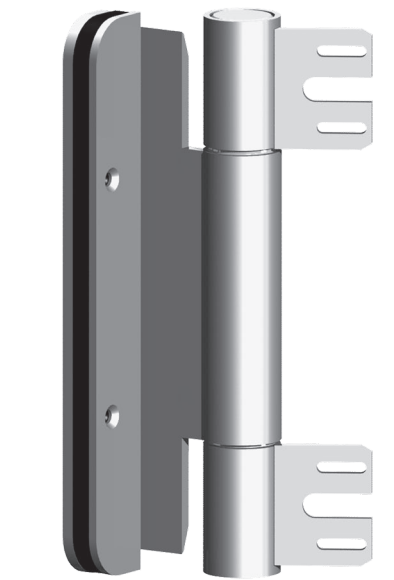
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0707/160 SI

Project hinge for rebated, burglar resistant timber doors with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated, timber
Frame	steel
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

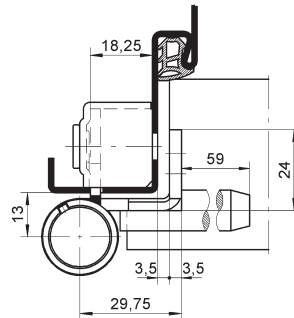
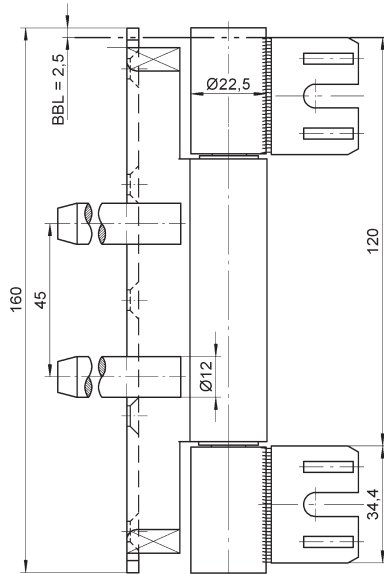
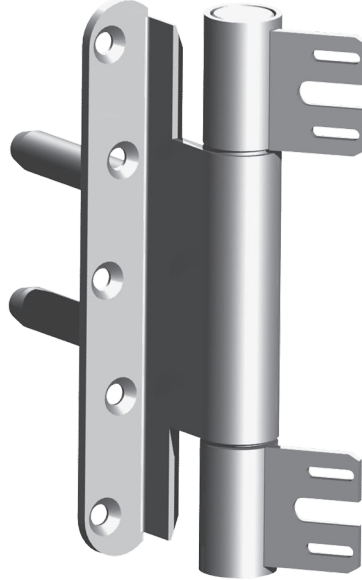
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 0707/160 FD SI

Project hinge for rebated, burglar resistant doors with rebate seal with weld-on pocket

Product Specification

Hinge	project hinge
Door	rebated
Frame	steel
FD	rebate seal
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

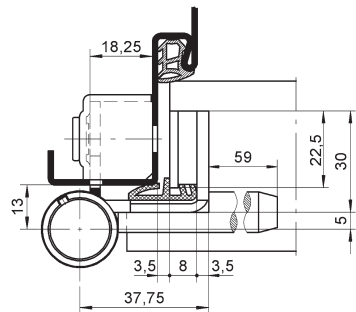
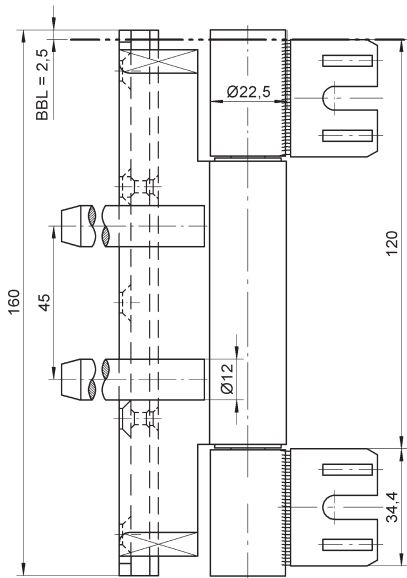
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 0108/100

Project hinge for unrebated doors with receiver VN

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

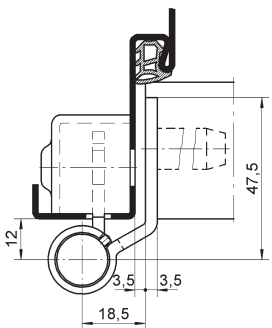
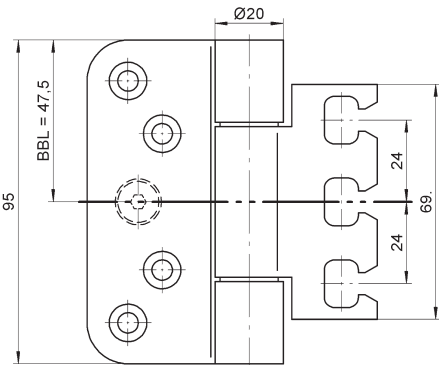
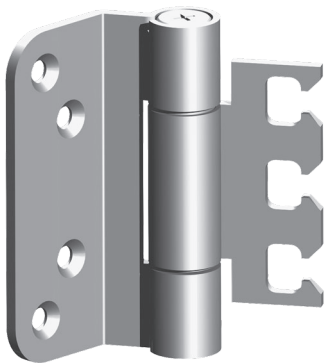
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0805/100

Project hinge for unrebated doors with weld-on pocket

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

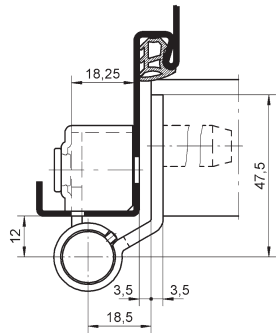
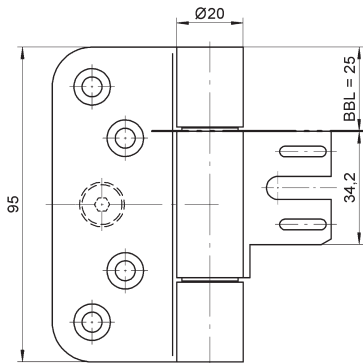
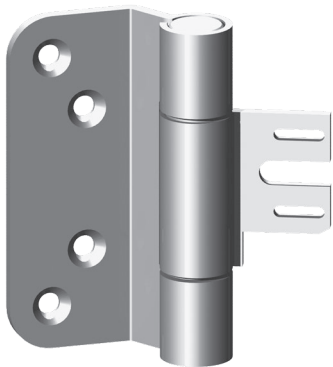
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0102/120

Project hinge for unrebated doors with receiver VN

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

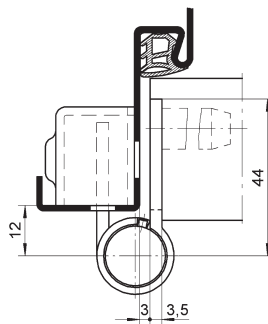
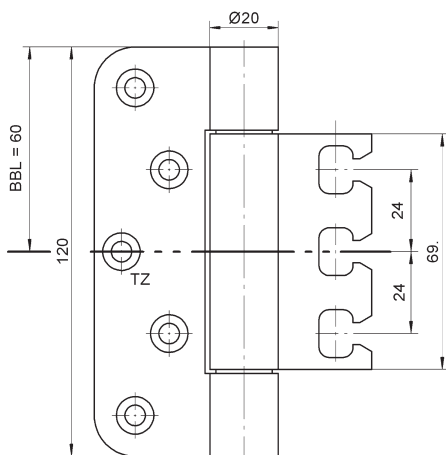
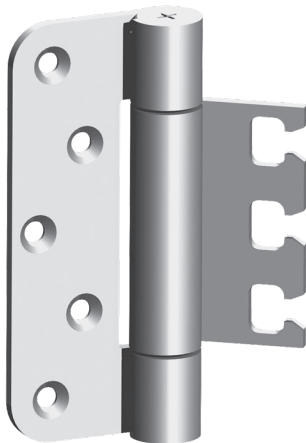
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0102/160

Project hinge for unrebated doors with receiver VN

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

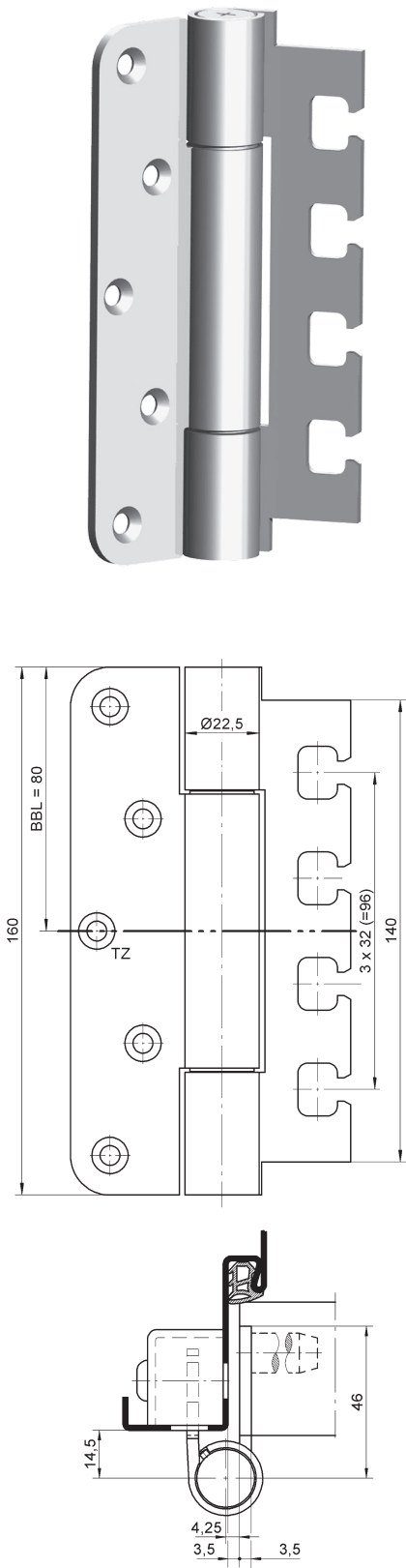
Combination

Receiver	VN system, 3-D adjustable
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0708/160

Project hinge for unrebated doors with weld-on pocket

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

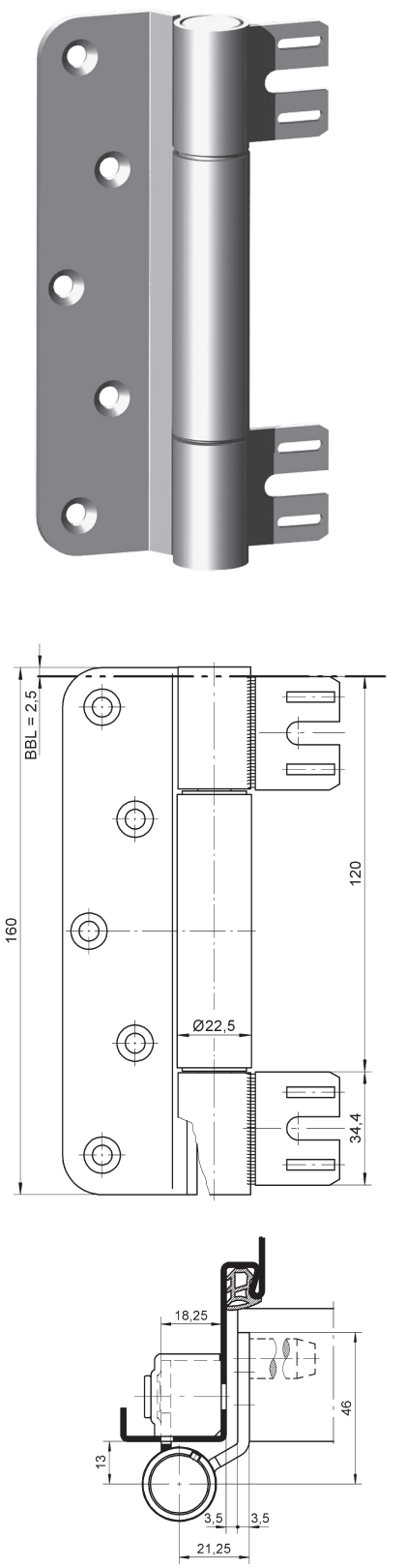
Combination

Weld-on pocket	V 7500 V 8600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark

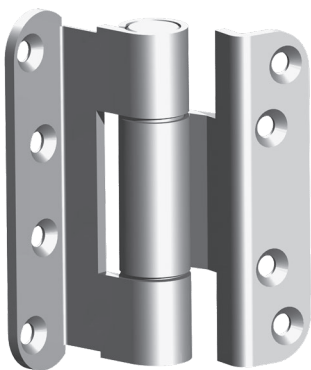


VARIO Hinge VL 0201/100

Project hinge for rebated doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

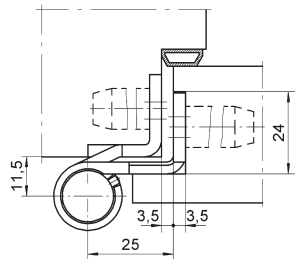
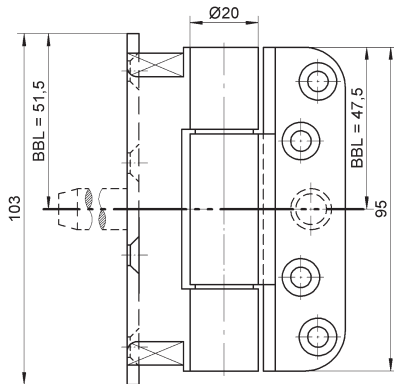


Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm



Certification Mark

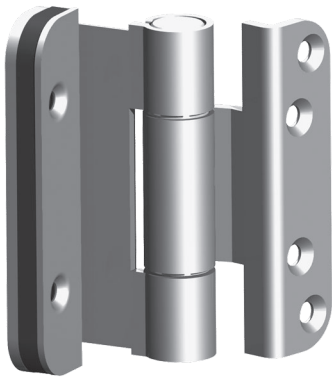


VARIO Hinge VL 0201/100 FD

Project hinge for rebated doors with rebate seal with block frames and blind frames

Product Specification

Hinge	project hinge
Door	unrebated
Frame	block / blind frame
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

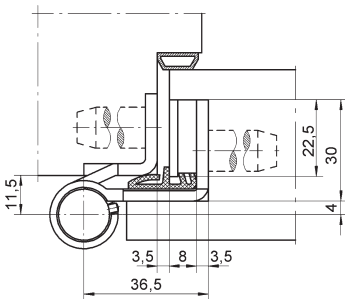
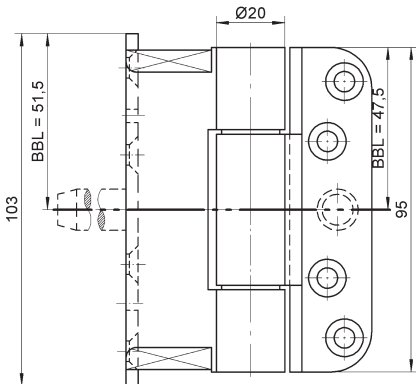


Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm



Certification Mark

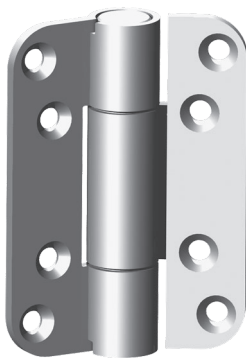


VARIO Hinge VL 1106/100

Project hinge for rebated, flush doors with block frames

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

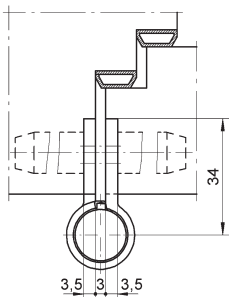
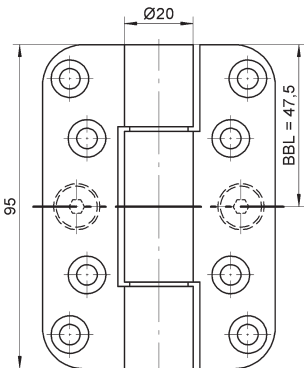


Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	80 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm



Certification Mark

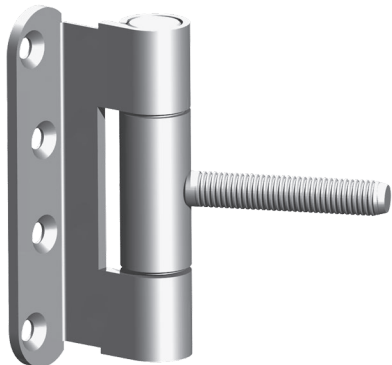


VARIO Hinge VL 0501/100

Project hinge for rebated timber doors with block frames

Product Specification

Hinge	project hinge
Door	rebated, timber
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

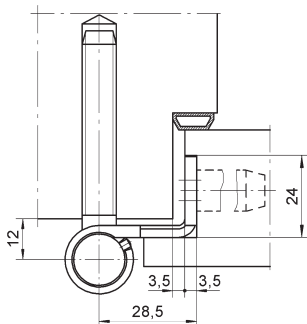
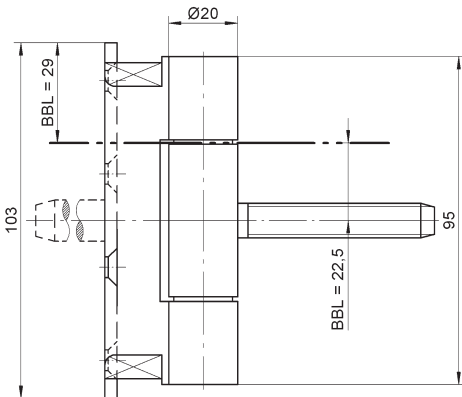


Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	12 x 60 mm
(for heavy load)	



Certification Mark

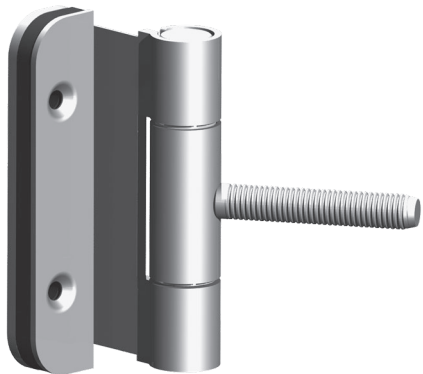


VARIO Hinge VL 0501/100 FD

Project hinge for rebated doors with rebate seal with block frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block frame
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

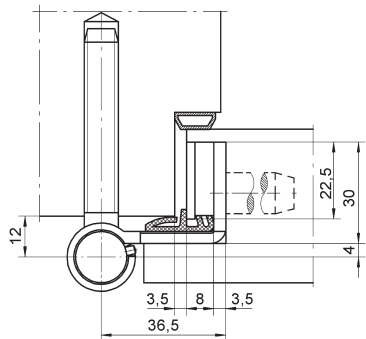
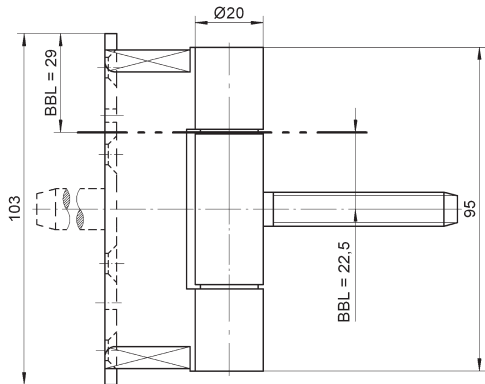


Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark

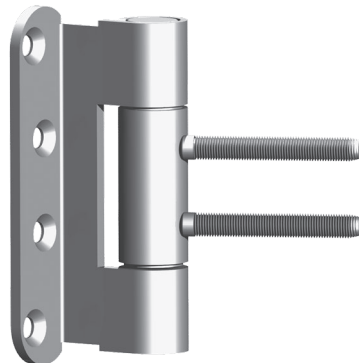


VARIO Hinge VL 0601/100

Project hinge for rebated doors with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

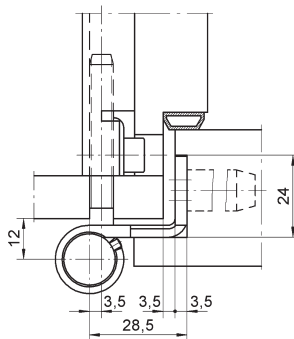
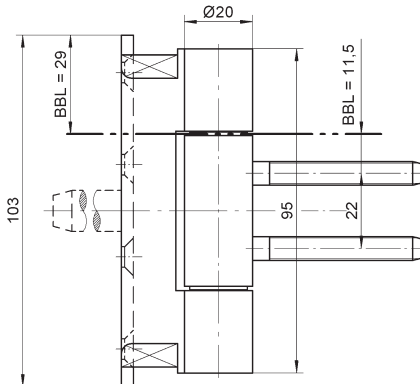
Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark

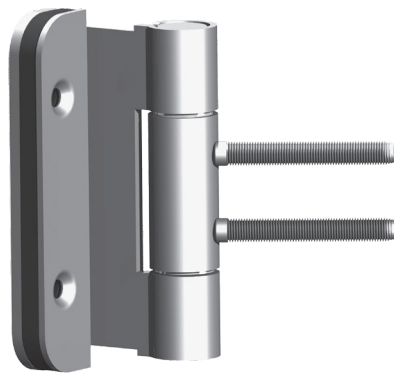


VARIO Hinge VL 0601/100 FD

Project hinge for rebated doors with rebate seal with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

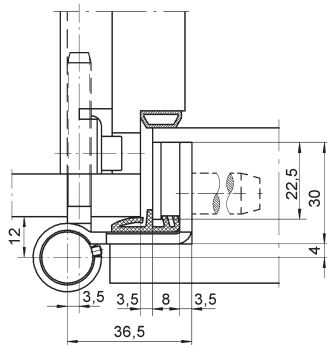
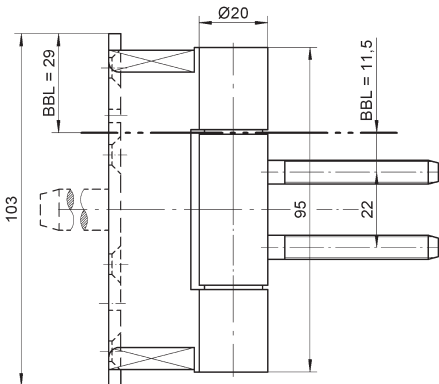
Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark



VARIO Hinge VL 1401/100

Project hinge for rebated doors with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Please specify DIN direction when ordering

Technical Data

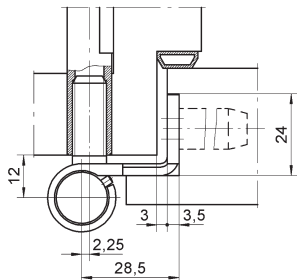
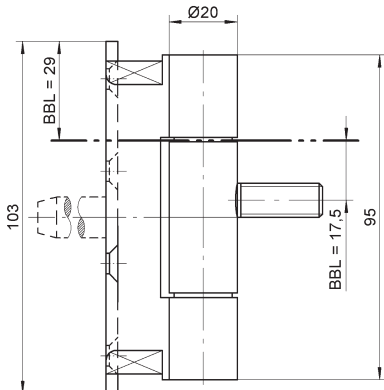
Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Combination

Hinge pocket	V 4600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm



Certification Mark



VARIO Hinge VL 1401/100 FD

Project hinge for rebated doors with rebate seal with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

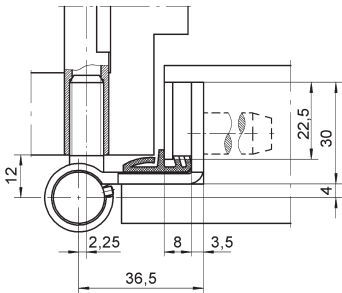
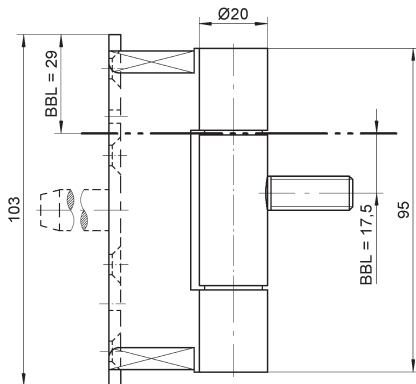
Combination

Hinge pocket	V 4600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0201/120

Project hinge for rebated doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

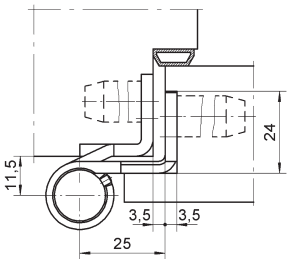
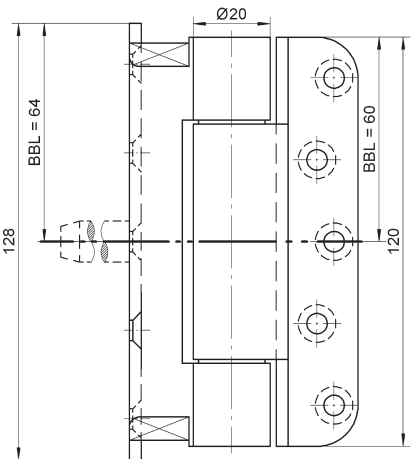
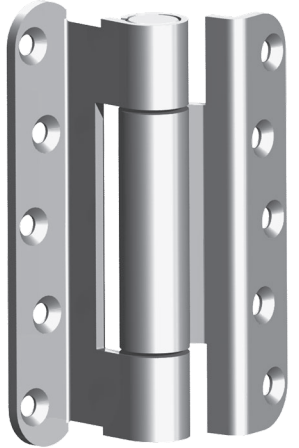
Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	door 12 x 60 mm frame 12 x 40 mm

Certification Mark

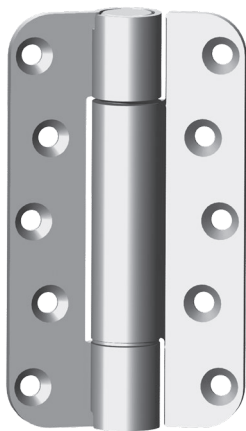


VARIO Hinge VL 1106/120

Project hinge for rebated, flush doors with block frames

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

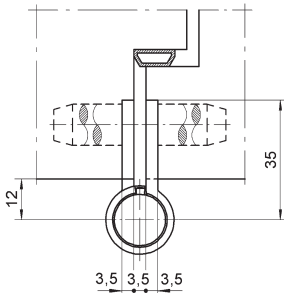
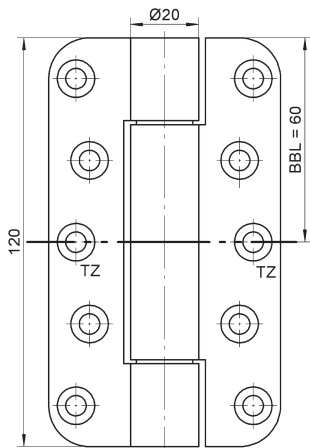


Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm



Certification Mark

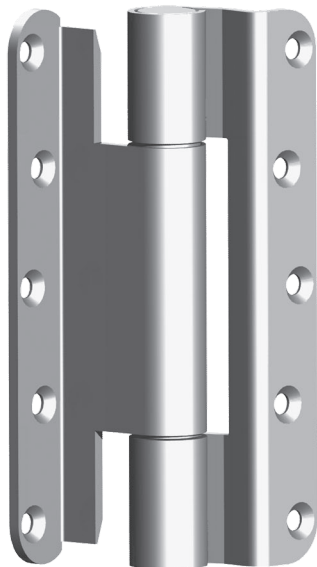


VARIO Hinge VL 0201/160

Project hinge for rebated doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

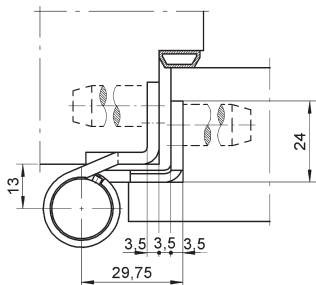
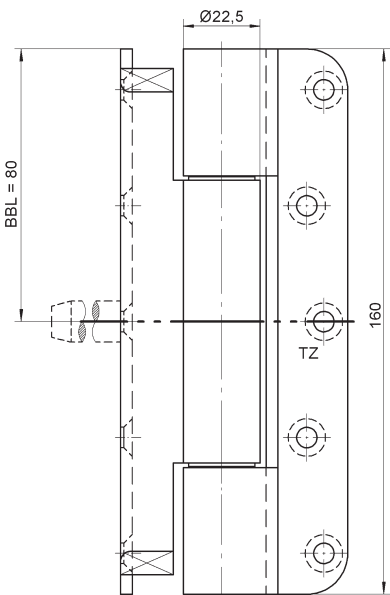


Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm



Certification Mark



VARIO Hinge VL 0201/160 FD

Project hinge for rebated doors with rebate seal with block frames and blind frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block / blind frame
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

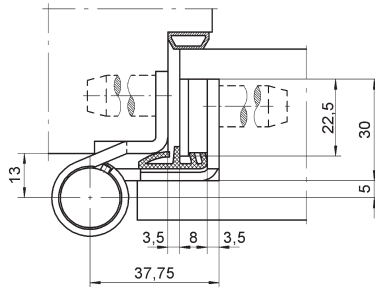
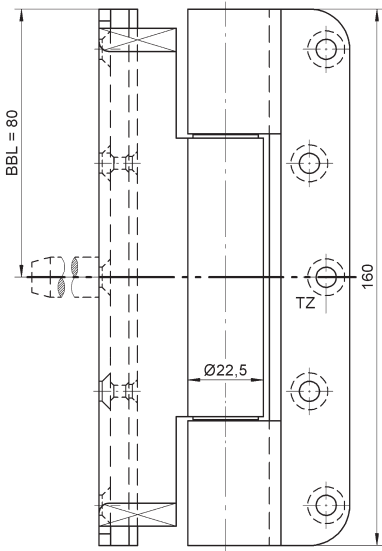
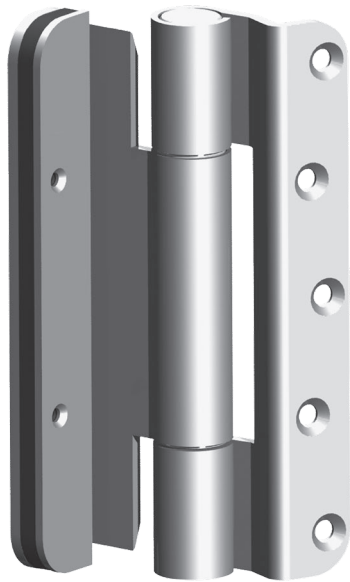
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm

Certification Mark



VARIO Hinge VL 1106/160

Project hinge for rebated, flush doors with block frames

Product Specification

Hinge	project hinge
Door	rebated, flush
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

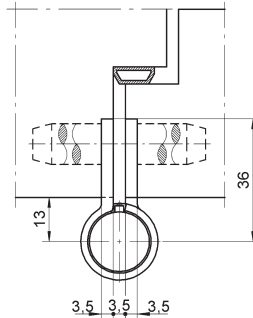
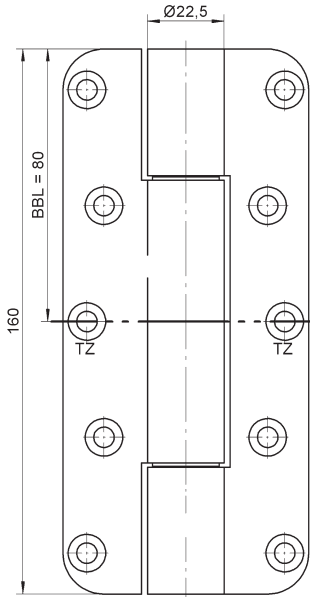
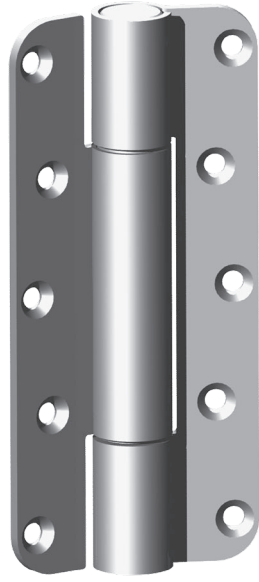
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm

Certification Mark



VARIO Objektband VL 0507/160

Project hinge for rebated timber doors with block frames

Product Specification

Hinge	project hinge
Door	rebated, timber
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

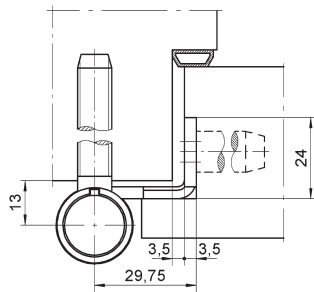
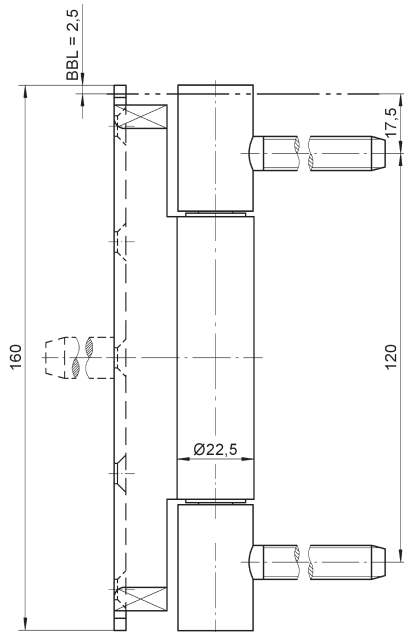
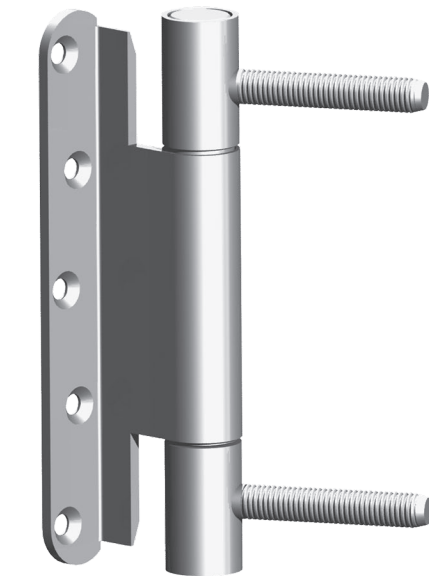
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0507/160 FD

Project hinge for rebated timber doors with rebate seal with block frames

Product Specification

Hinge	project hinge
Door	rebated, timber
Frame	block frame
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

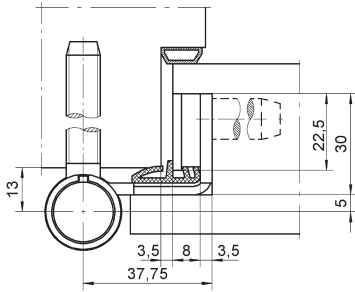
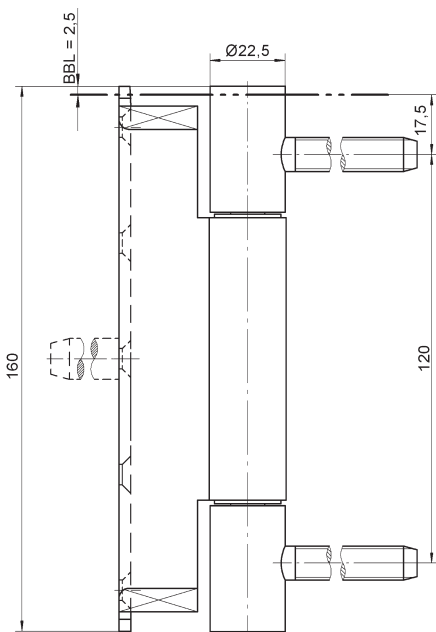
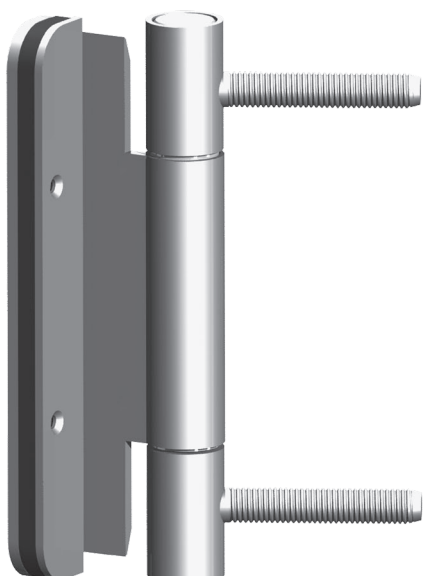
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0607/160

Project hinge for rebated doors with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

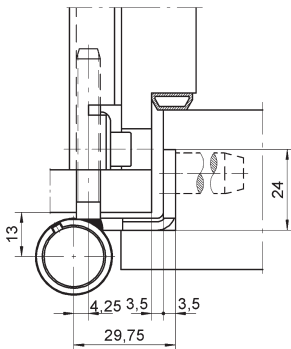
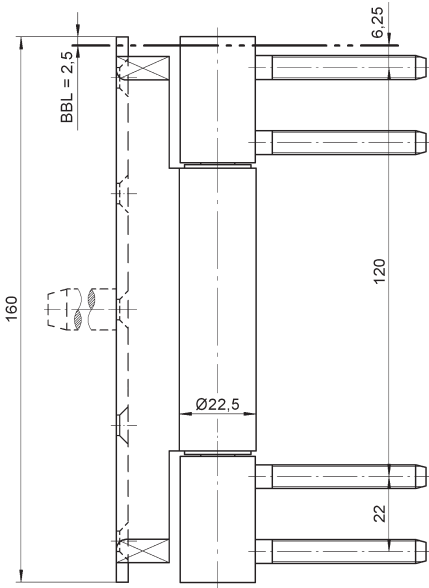
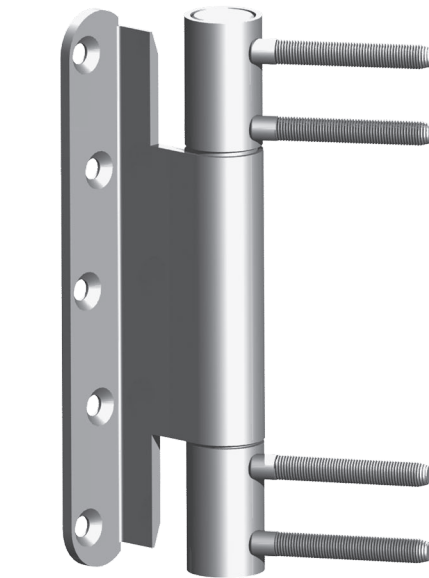
Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0607/160 FD

Project hinge for rebated doors with rebate seal with receiver

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

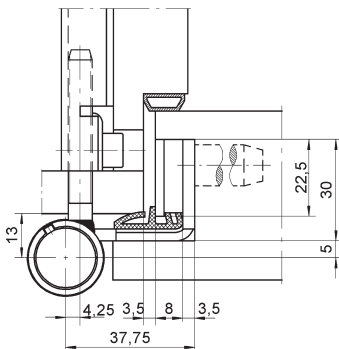
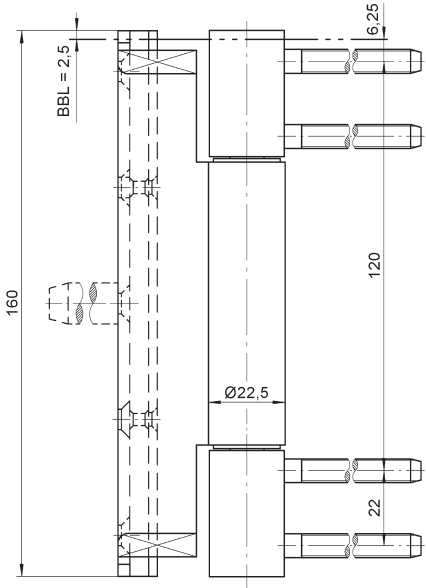
Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark

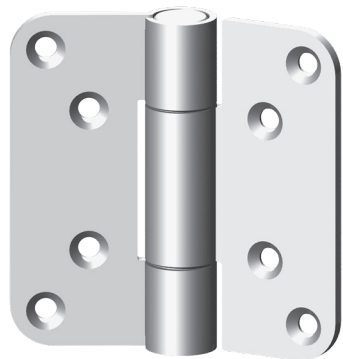


VARIO Hinge VL 0302/100

Project hinge for unrebuted doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	unrebuted
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



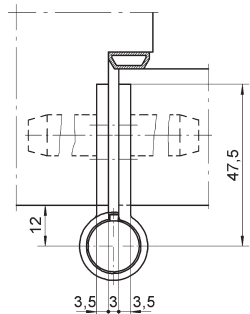
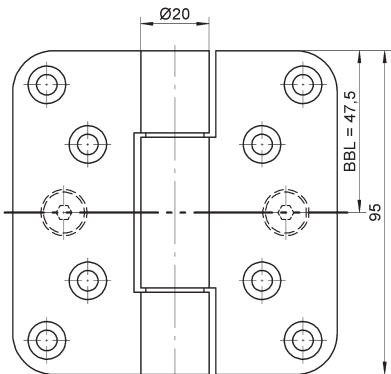
Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm

Certification Mark

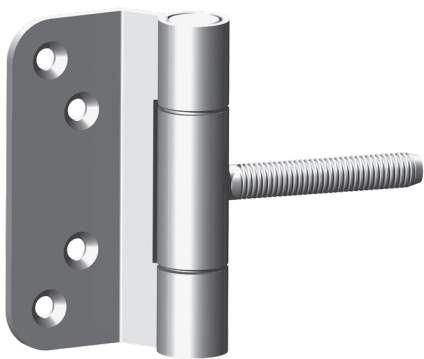


VARIO Hinge VL 0505/100

Project hinge for unrebuted doors with block frames

Product Specification

Hinge	project hinge
Door	unrebuted
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



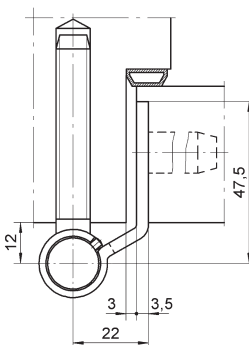
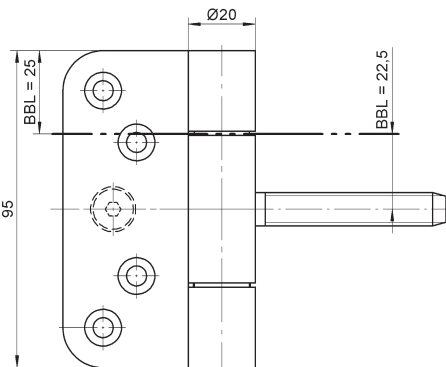
Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	12 x 60 mm
(for heavy load)	

Certification Mark

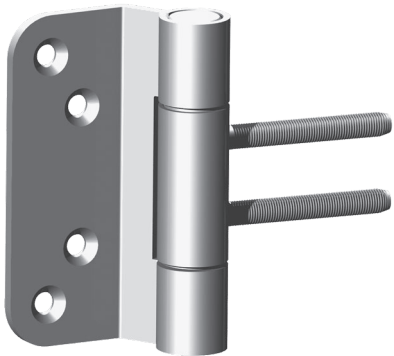


VARIO Hinge VL 0605/100

Project hinge for unrebated doors with receiver

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



Technical Data

Height	100 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	100 kg
Standard	EN1935

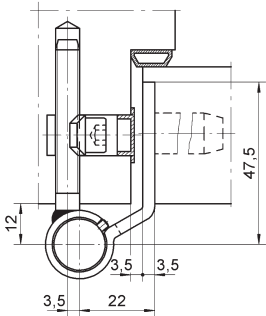
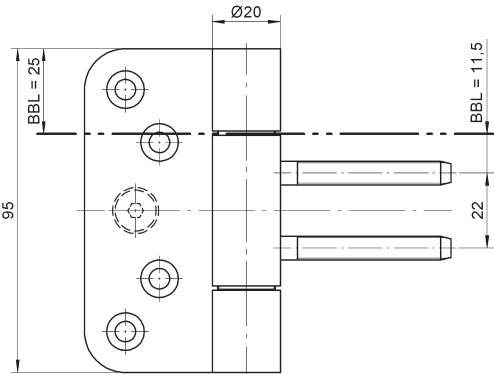
Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark

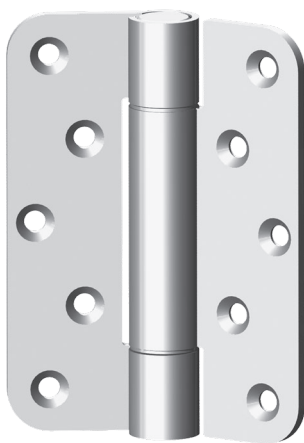


VARIO Hinge VL 0302/120

Project hinge for unrebated doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	unrebated
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25



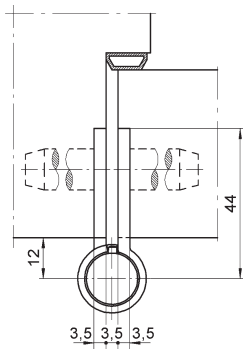
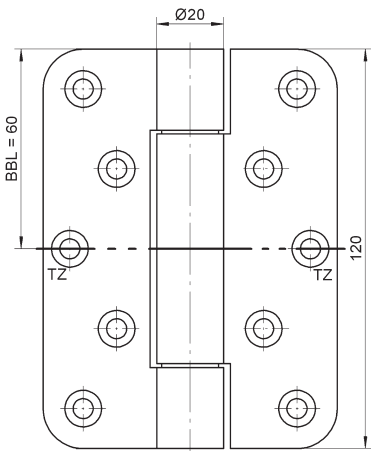
Technical Data

Height	120 mm
Knuckle diameter	20 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	door 12 x 60 mm frame 12 x 40 mm

Certification Mark



VARIO Hinge VL 0302/160

Project hinge for unrebated doors with block frames and blind frames

Product Specification

Hinge	project hinge
Door	unrebated
Frame	block / blind frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

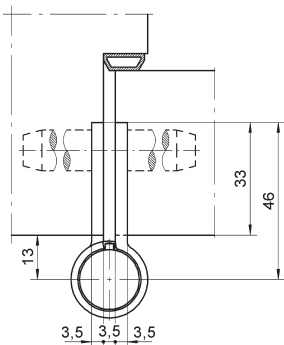
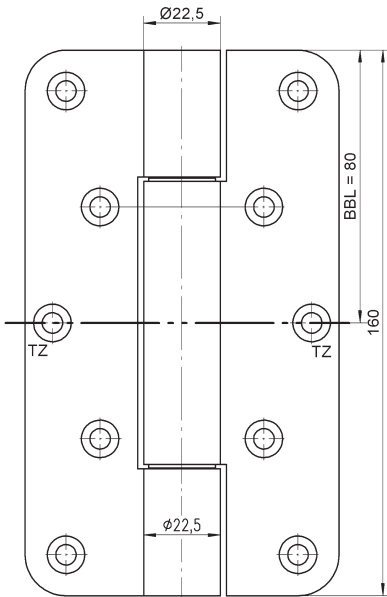
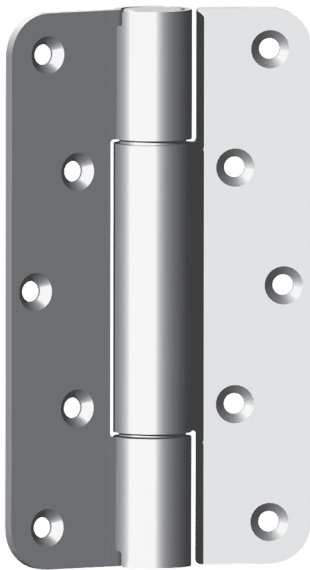
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	door 12 x 60 mm
(for heavy load)	frame 12 x 40 mm

Certification Mark



VARIO Hinge VL 0508/160

Project hinge for unrebated doors with block frames

Product Specification

Hinge	project hinge
Door	rebated
Frame	block frame
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

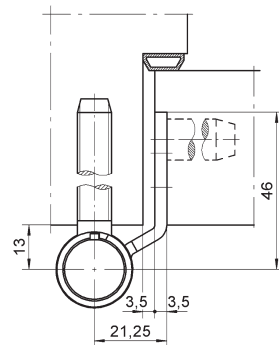
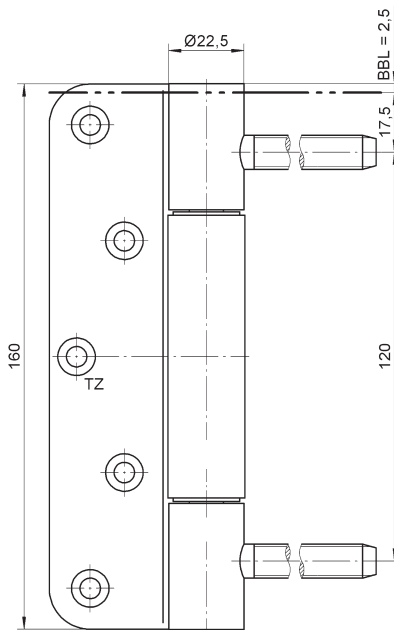
Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Accessories (optional)

Security pin	Version STS
Reinforcing dowel	12 x 60 mm
(for heavy load)	

Certification Mark



VARIO Hinge VL 0608/160

Project hinge for unrebated doors with receiver

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	120 kg
Standard	EN1935

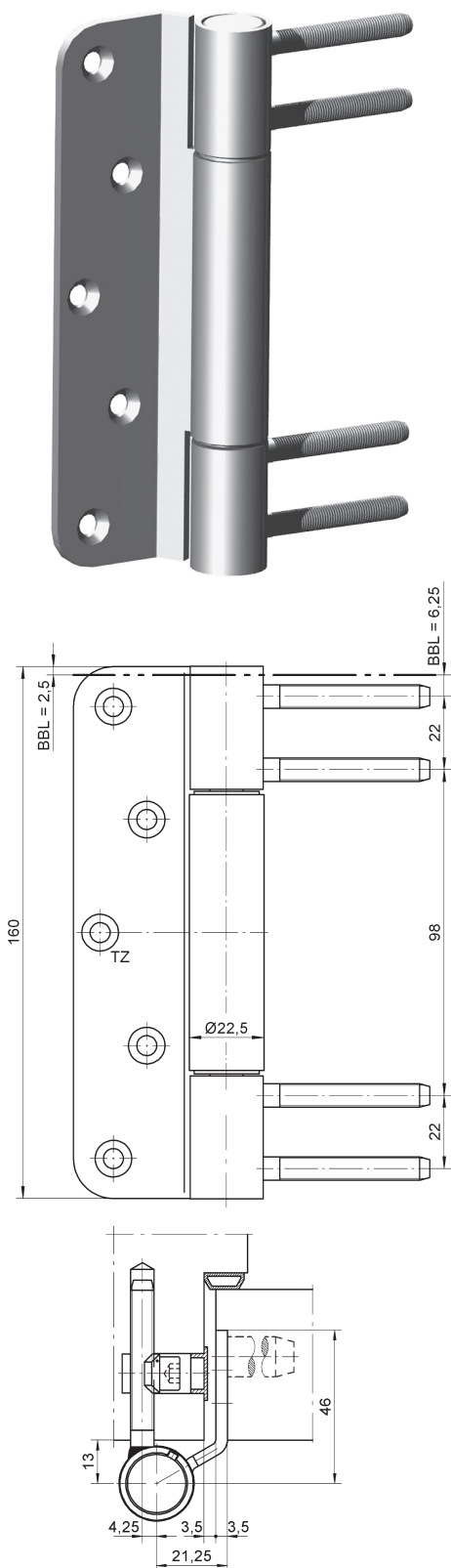
Combination

Hinge pocket	V 3600
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Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0707/160 U

Project hinge for rebated doors with weld-on pocket and blind rivet

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

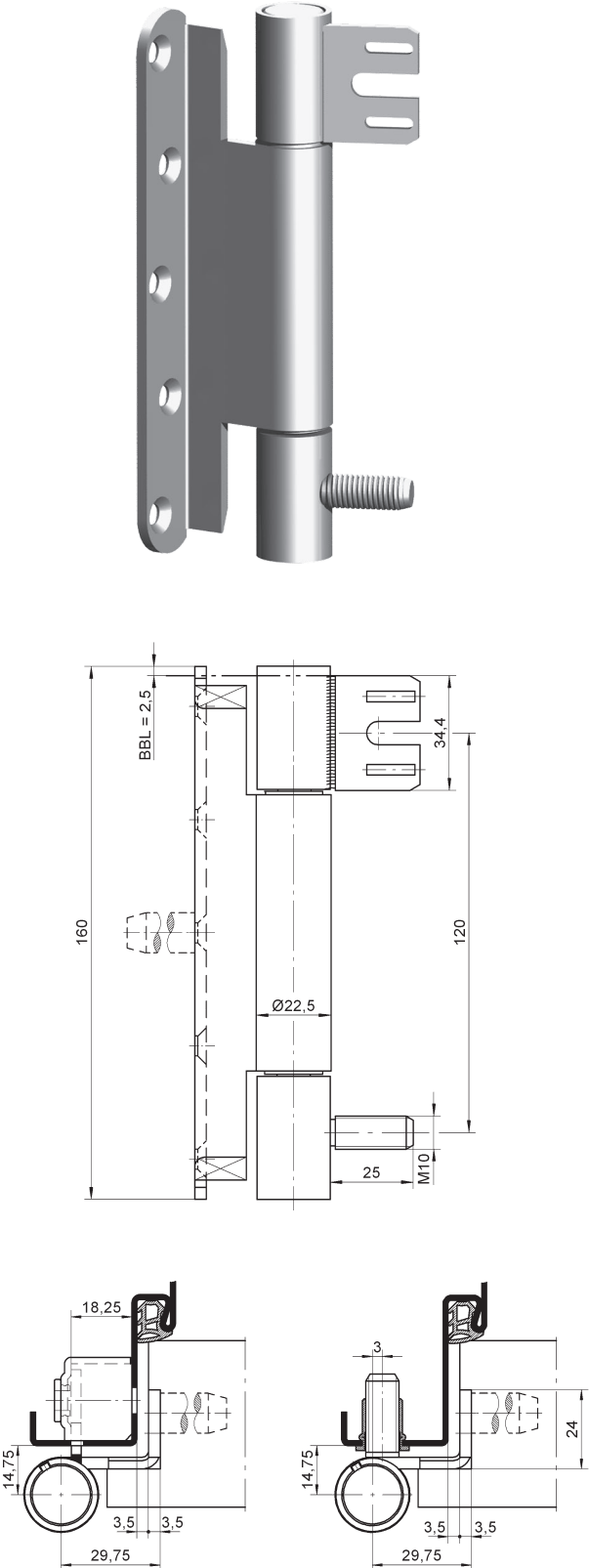
Combination

Weld-on pocket	V 7500 V 8600
Retrofitting	blind rivet M10

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 0708/160 U

Project hinge for unrebated doors with weld-on pocket and blind rivet

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Please specify DIN direction when ordering

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

Combination

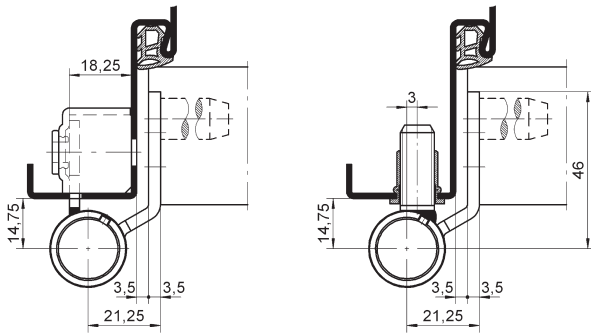
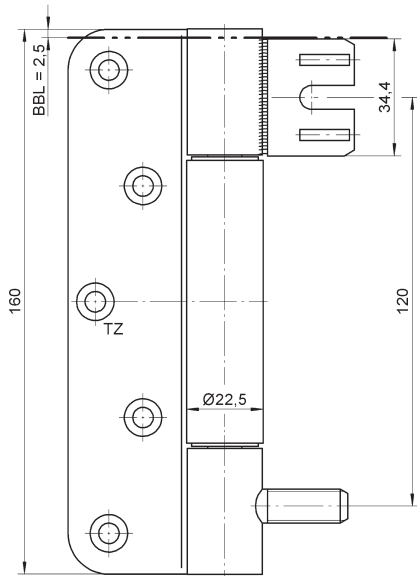
Weld-on pocket	V 7500 V 8600
Retrofitting	blind rivet M10

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark

schwarte



VARIO Hinge VL 1412/160

Project hinge for unrebated doors with two blind rivets

Product Specification

Hinge	project hinge
Door	unrebated
Frame	steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

Combination

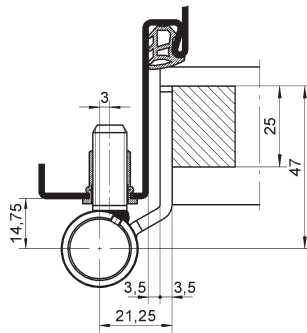
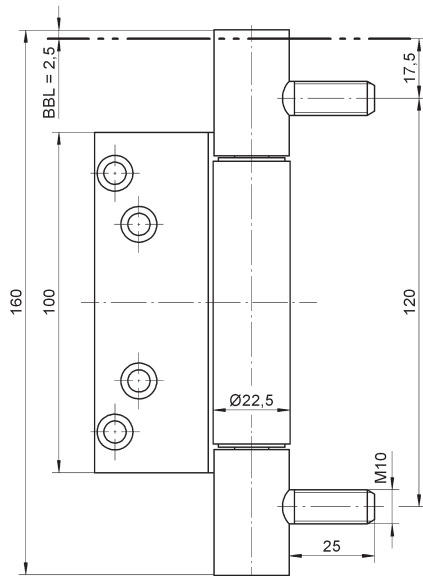
Retrofitting	steel frame	blind rivet M10
Receiver	door leaf	3-D adjustable

Accessories (optional)

Security pin	Version STS
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Certification Mark

schwarte



VARIO Hinge VL 1407/160

Project hinge for rebated doors with receiver (timber frames) or for retrofitting (steel frames)

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

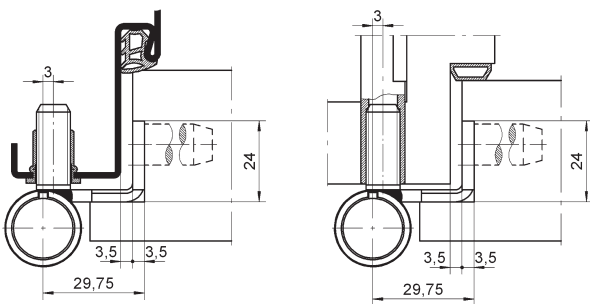
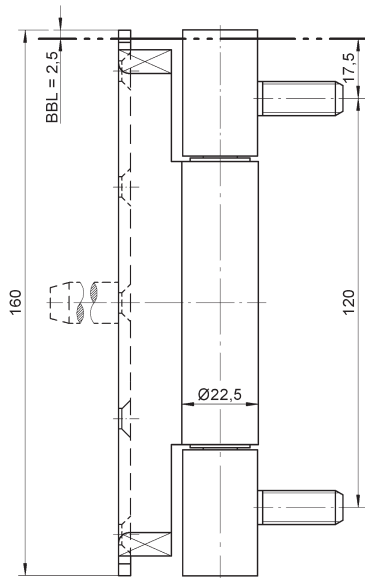
Combination

Hinge pocket	timber frame	V 4600
Retrofitting	steel frame	blind rivet M10

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 1407/160 FD

Project hinge for rebated doors with rebate seal with receiver (timber frames) or for retrofitting (steel frames)

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel
FD	rebate seal
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Screws for cover plate	3 x 25 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

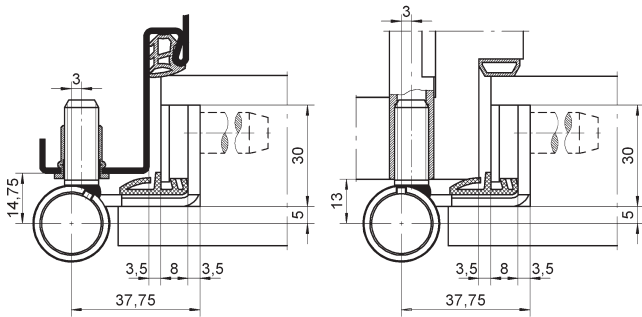
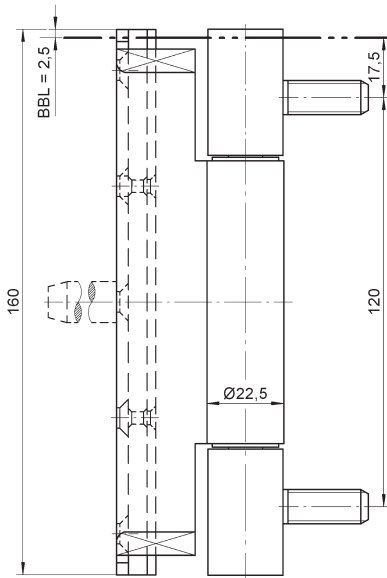
Combination

Hinge pocket	timber frame	V 4600
Retrofitting	steel frame	blind rivet M10

Accessories (optional)

Security pin	Version STS
Reinforcing dowel (for heavy load)	12 x 60 mm

Certification Mark



VARIO Hinge VL 1407/160 SI

Project hinge for rebated, burglar resistant doors with receiver (timber frames) or for retrofitting (steel frames)

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

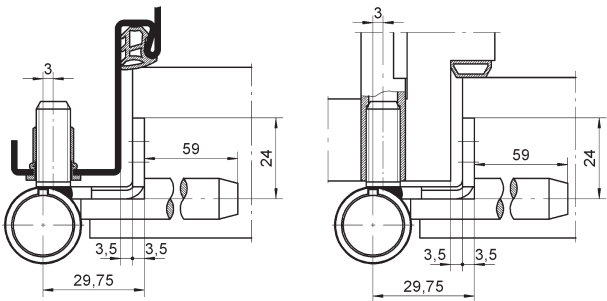
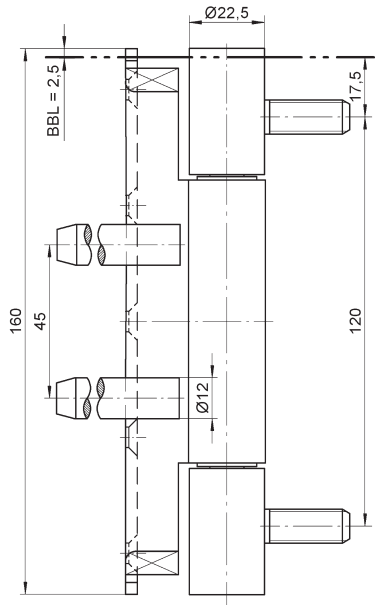
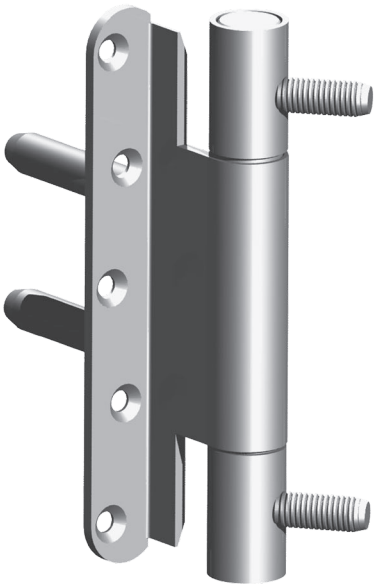
Combination

Hinge pocket	timber frame	V 4600
Retrofitting	steel frame	blind rivet M10

Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 1411/160

Project hinge for rebated doors with receiver (timber frames) or for refitting (steel frames)

Product Specification

Hinge	project hinge
Door	rebated
Frame	timber / steel
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

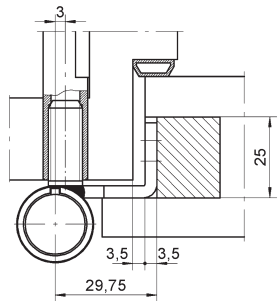
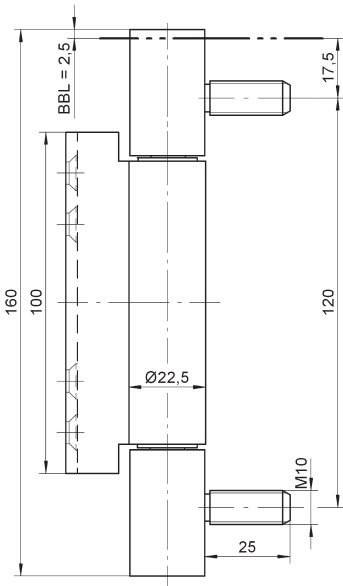
Combination

Hinge pocket	timber frame	V 4600
Retrofitting	steel frame	blind rivet M10
Receiver	door leaf	3-D adjustable

Accessories (optional)

Security pin	Version STS
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Certification Mark



VARIO Hinge VL 1408/160

Project hinge for unrebated doors with receiver (timber frames) or for retrofitting (steel frames)

Product Specification

Hinge	project hinge
Door	unrebated
Frame	timber / steel
SI	burglar resistant
Slide bearings	maintenance-free, concealed
Direction	DIN left / right
Finish	see p 25

Technical Data

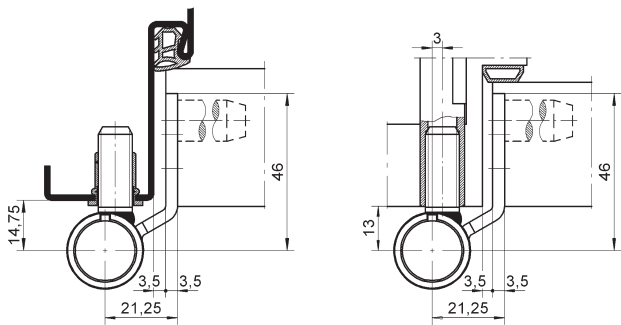
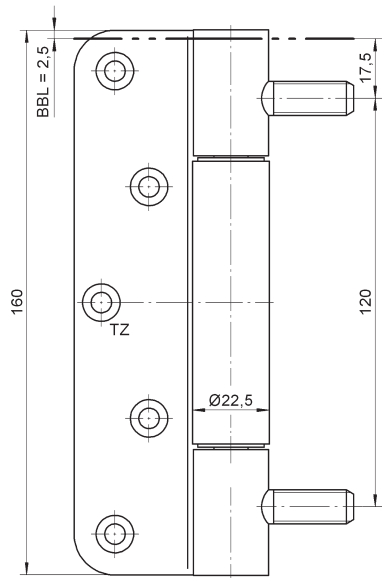
Height	160 mm
Knuckle diameter	22.5 mm
Material thickness	3.5 mm
Screws	5 x 50 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg
Standard	EN1935

Combination

Hinge pocket	timber frame	V 4600
Retrofitting	steel frame	blind rivet M10

Accessories (optional)

Security pin	Version STS
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Certification Mark





SCHWARTE VARIO Hinge Receiver

SCHWARTE hinge receiver

positioned in the frame, for ease of installation and exact positioning, available in versions

- receiver V
- receiver VLX

Technical features Receiver V

- Hinge receiver for residential and commercial building doors to combine with SCHWARTE VARIO frame component V and project hinge VL
- High load bearing capabilities, tested according to EN1935
- Ease of hinge installation and retrofitting in timber and steel frames

Receiver VLX

- Hinge receiver especially designed for commercial building doors
- 3-D infinitely adjustable in combination with SCHWARTE VARIO hinge VLX
- High load bearing capabilities, tested according to EN1935

- Ease of hinge installation as well as exact adjustment of door leaf
- Tested for door weights up to 300 kg

Finishes available cover angle

- Steel, galvanized
- Steel, matt nickel-plated
- Steel, matt chrome-plated
- Steel, polished chrome-plated
- Steel, matt brass-plated
- Steel, polished brass-plated
- Steel, gold-plated
- Steel, burnished / black-finished
- Steel, bronze (light/ dark/ polished)
- Stainless steel
- Stainless steel, polished
- RAL-coloured

Custom-specific receiver

Based on a dimensional drawing or sketch, we design and produce hinge receivers that suits your individual requirements

Content

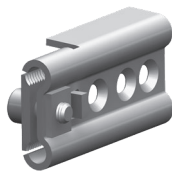
p 98	Hinge pocket V	Timber / casing frames
p 101	Clamping block/ Clamp V	Timber / block frames
p 104	Weld-on pocket V	Steel / partition wall frames
p 107	Receiver VLX	Block frames
p 111		Narrow block frames
p 113		Casing frames
p 114		Aluminium frames
p 115		Steel frames

VARIO Receiver V 3600

Hinge pocket for timber frames

Product Specification

Receiver	hinge pocket
Frame	timber
Direction	DIN left / right
Finish	galvanized



System versions

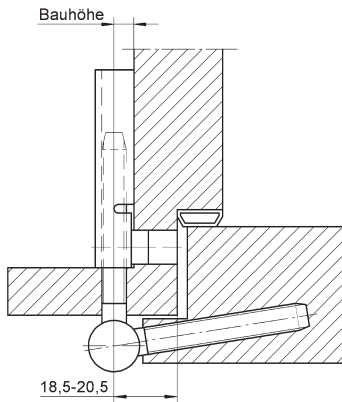
V 3601-01	construction height 5.8 mm
V 3602-01	construction height 7.8 mm
V 3603-01	construction height 9.8 mm

Further versions available on request

Combination

VARIO frame component V	V 3400 WF
	V 4400 WF
	V 5400
VARIO project hinge VL	VL 0601/100
	VL 0601/100 FD
	VL 0607/160
	VL 0607/160 FD
	VL 0605/100
	VL 0608/160

Certification Mark

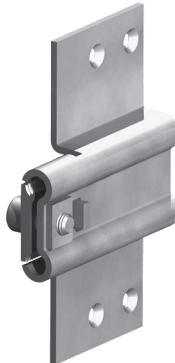


VARIO Receiver V 3610

Hinge pocket for timber frames

Product Specification

Receiver	hinge pocket
Frame	timber
Direction	DIN left / right
Finish	galvanized



System versions

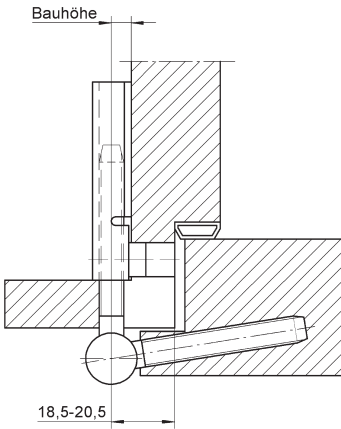
V 3611-01	construction height 5.8 mm
V 3612-01	construction height 7.8 mm
V 3613-01	construction height 9.8 mm

Further versions available on request

Combination

VARIO frame part V	V 3400 WF
	V 4400 WF
	V 5400
VARIO project hinge VL	VL 0601/100
	VL 0601/100 FD
	VL 0607/160
	VL 0607/160 FD
	VL 0605/100
	VL 0608/160

Certification Mark

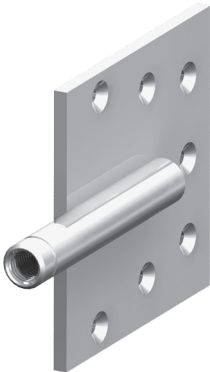


VARIO Receiver V 4600

Hinge pocket for timber frames

Product Specification

Receiver	hinge pocket
Frame	timber
Direction	DIN left / right
Finish	galvanized



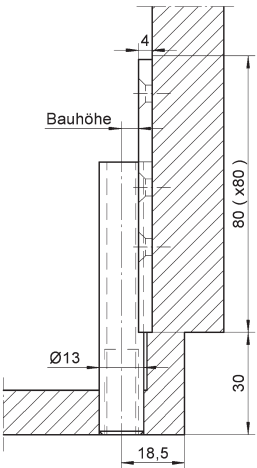
System versions

V 4600-05	construction height 5.0 mm
V 4600-07	construction height 7.0 mm
V 4600-09	construction height 9.0 mm

Combination

VARIO frame component V	V 4700 WF
VARIO project hinge VL	VL 1401/100
	VL 1401/100 FD

Certification Mark



VARIO Receiver V 3604

Clamping block for timber frames

Product Specification

Receiver	hinge pocket
Frame	timber
Direction	DIN left / right
Finish	galvanized



Technical Data

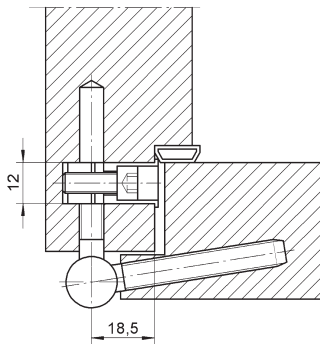
Cutter diameter	12 mm
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Further versions available on request

Combination

VARIO frame component V	V 3400 WF
	V 4400 WF
	V 5400
VARIO project hinge VL	VL 0601/100
	VL 0601/100 FD
	VL 0607/160
	VL 0607/160 FD
	VL 0605/100
	VL 0608/160

Certification Mark



VARIO Receiver V 3605

Clamp for timber frames

Product Specification

Receiver	clamp
Frame	timber
Direction	DIN left / right
Finish	galvanized
Accessory	cover cap



Technical Data

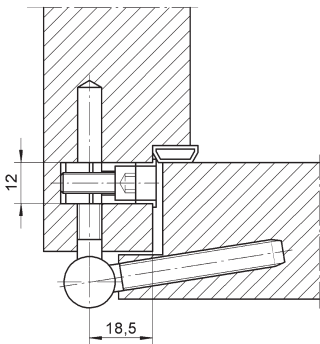
Cutter diameter	12 mm
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Combination

VARIO frame component V	V 3400 WF
	V 4400 WF
	V 5400
VARIO project hinge VL	VL 0601/100
	VL 0601/100 FD
	VL 0607/160
	VL 0607/160 FD
	VL 0605/100
	VL 0608/160

Certification Mark

schwarte



VARIO Receiver V 3607

Clamping block for timber frames

Product Specification

Receiver	plastic clamping block
Frame	timber
Direction	DIN left / right
Finish	traffic white (RAL 9016
	jet black (RAL 9005)
	clay brown (RAL 8003)
	ivory (RAL 1014)



Technical Data

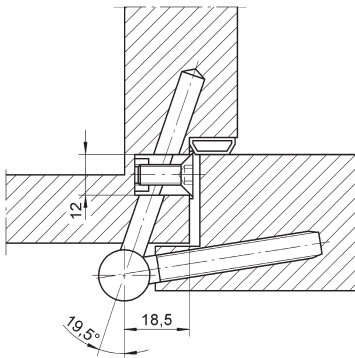
Cutter diameter	12 mm
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Combination

VARIO frame component V	V 3400 WF
	V 4400 WF
	V 5400
VARIO project hinge VL	VL 0601/100
	VL 0601/100 FD
	VL 0607/160
	VL 0607/160 FD
	VL 0605/100
	VL 0608/160

Certification Mark

schwarte



VARIO Receiver V 7500

Mortar-tight weld-on pocket for steel frames

Product Specification

Receiver	mortar-tight weld-on pocket
	retractable clamping/ centring piece
Frame	steel
Direction	DIN left / right
Finish	galvanized



Technical Data

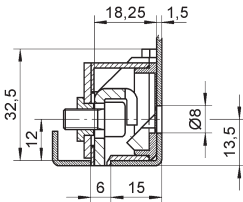
Material thickness	2.0 mm
Load capacity (acc. to DL)	80 kg

Further versions available on request

Combination

VARIO frame component V	V 8000 WF
	V 8100 WF
	V 8500
VARIO project hinge VL	VL 0801/100
	VL 0801/100 FD
	VL 0707/160
	VL 0707/160 FD
	VL 0707/160 SI
	VL 0707/160 FD SI
	VL 0707/160 U
	VL 0708/160
	VL 0708/160 U
	VL 0805/100

Certification Mark

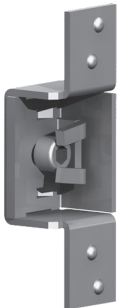


VARIO Receiver V 8600

Weld-on pocket for steel frames

Product Specification

Receiver	weld-on pocket
	retractable clamping/ centring piece
Frame	steel
Direction	DIN left / right
Finish	galvanized



Technical Data

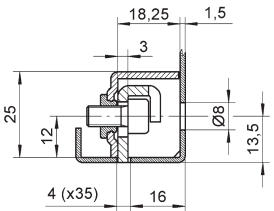
Material thickness	2.0 mm
Load capacity (acc. to DL)	80 kg

Further versions available on request

Combination

VARIO frame component V	V 8000 WF
	V 8100 WF
	V 8500
VARIO project hinge VL	VL 0801/100
	VL 0801/100 FD
	VL 0707/160
	VL 0707/160 FD
	VL 0707/160 SI
	VL 0707/160 FD SI
	VL 0707/160 U
	VL 0708/160
	VL 0708/160 U
	VL 0805/100

Certification Mark

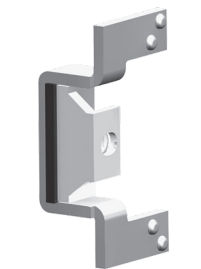


VARIO Receiver HI-15-01

Weld-on pocket for partition wall frames

Product Specification

Receiver	weld-on pocket
	die-cast zinc clamping piece
Frame	steel, partition wall frame
Direction	DIN left / right
Finish	galvanized
Accessory	cover cap



Technical Data

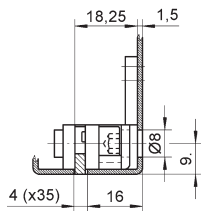
Material thickness	3.5 mm
Load capacity (acc. to DL)	60 kg

Further versions available on request

Combination

VARIO frame component V	V 8000 WF
	V 8100 WF
	V 8500

Certification Mark



VARIO Receiver VLX 101/W10

Receiver for block frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg

System versions

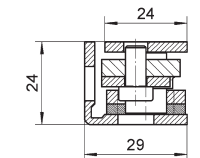
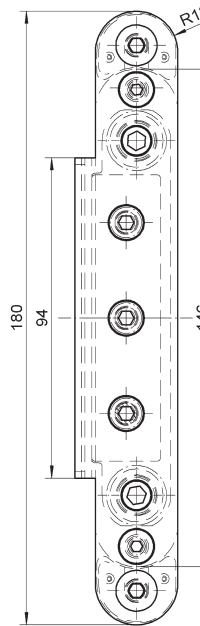
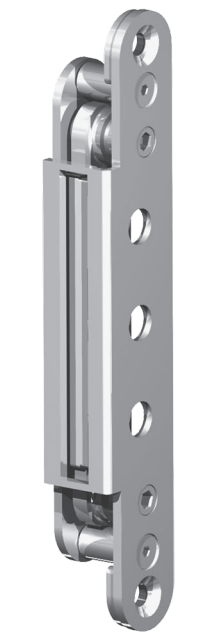
VLX 101/W10.11	Wk: angular; Lk: angular
VLX 101/W10.12	Wk: angular; Lk: round
VLX 101/W10.21	Wk: round; Lk: angular
VLX 101/W10.22	Wk: round; Lk: round

WK (angle); LK (end)

Combination

VARIO hinge VLX	100/ 120/ 160 mm
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Certification Mark



VARIO Receiver VLX 101/W20

Receiver for block frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg

System versions

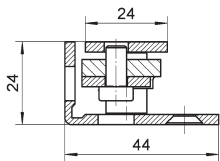
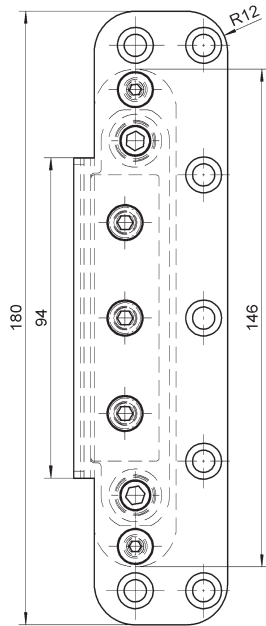
VLX 101/W20.11	Wk: angular; Lk: angular
VLX 101/W20.12	Wk: angular; Lk: round
VLX 101/W20.21	Wk: round; Lk: angular
VLX 101/W20.22	Wk: round; Lk: round

WK (angle); LK (end)

Combination

VARIO hinges VLX	100/ 120/ 160 mm
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Certification Mark



VARIO Receiver VLX 101/W30

Receiver for block frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

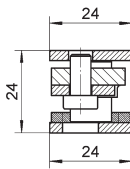
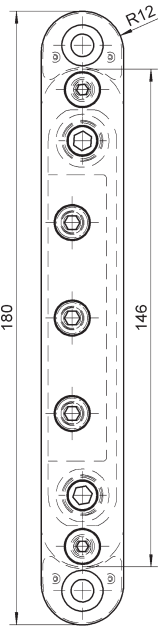
Technical Data

Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg

Combination

VARIO hinges VLX	100/ 120/ 160 mm
------------------	------------------

Certification Mark



VARIO Receiver VLX 101/W40

Receiver for block frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

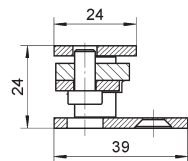
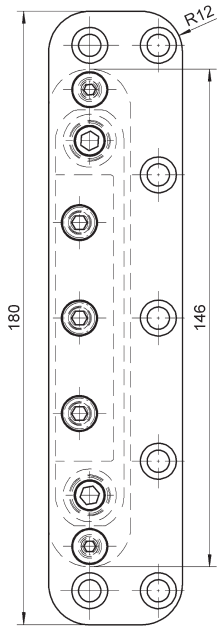
Cutter diameter	24 mm
Load capacity (acc. to DL)	300 kg

Combination

VARIO hinges VLX	100/ 120/ 160 mm
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Certification Mark

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VARIO Receiver VLX 104/W10

Receiver for narrow block frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	narrow block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

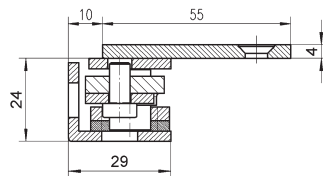
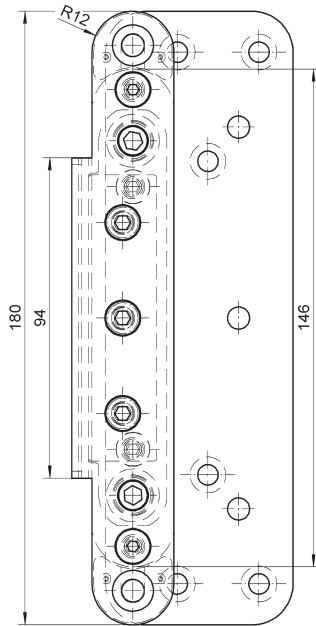
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

Combination

VARIO hinges VLX	100/ 120/ 160 mm
------------------	------------------

Certification Mark

schwarte



VARIO Receiver VLX 104/W30

Receiver for narrow block frames with rebated and unrebrated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebrated
Frame	narrow block frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

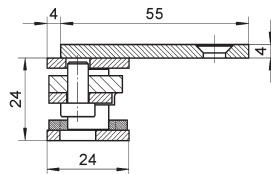
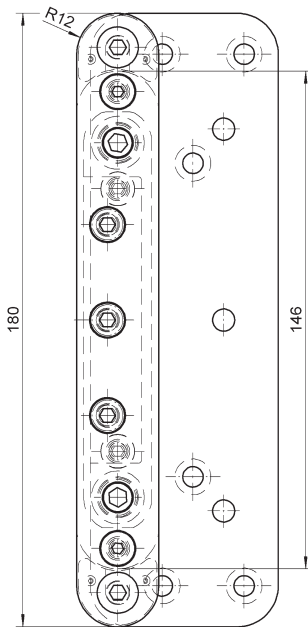
Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg

Combination

VARIO hinges VLX	100/ 120/ 160 mm
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Certification Mark

schwarte



VARIO Receiver VLX 102/W10

Receiver for casing frames with rebated and unrebrated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebrated
Frame	casing frame
Direction	DIN left / right
Finish (cover angle)	see p 97

Technical Data

Cutter diameter	24 mm
Load capacity (acc. to DL)	200 kg

System versions

VLX 102/W10.11	Wk: angular; Lk: angular
VLX 102/W10.12	Wk: angular; Lk: round
VLX 102/W10.21	Wk: round; Lk: angular
VLX 102/W10.22	Wk: round; Lk: round

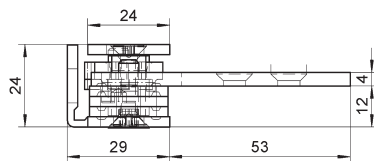
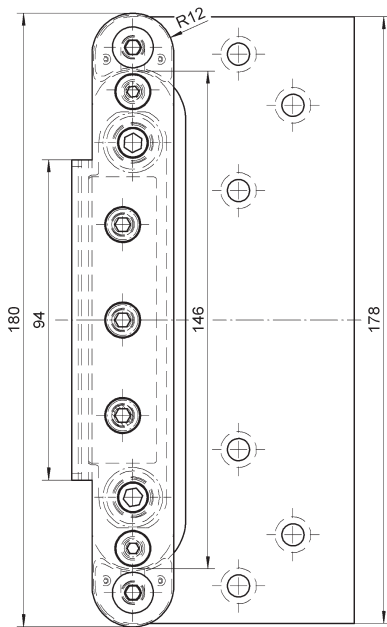
WK (angle); LK (end)

Combination

VARIO hinges VLX	100/ 120/ 160 mm
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Certification Mark

schwarte



VARIO Receiver VLX 103

Receiver for aluminium frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	aluminium frame
Direction	DIN left / right
Finish	galvanized

Technical Data

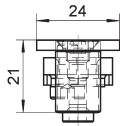
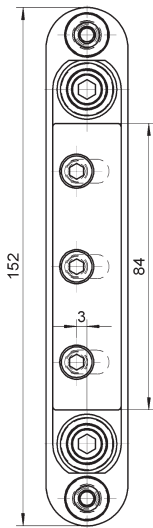
Cutter diameter	24 mm
Load capacity (acc. to DL)	160 kg

Combination

VARIO hinges VLX	100/ 120/ 160 mm
------------------	------------------

Certification Mark

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VARIO Receiver VLX 202

Receiver for steel frames with rebated and unrebated doors

Product Specification

Receiver	3-D receiver VLX
Door	rebated / unrebated
Frame	steel frame
Direction	DIN left / right
Finish	galvanized

Technical Data

Load capacity (acc. to DL)	200 kg
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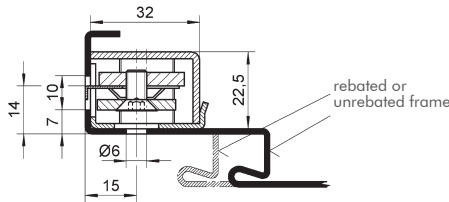
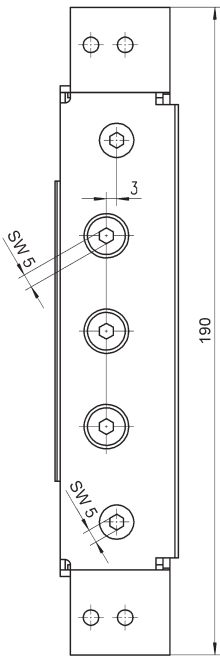
Further versions available on request

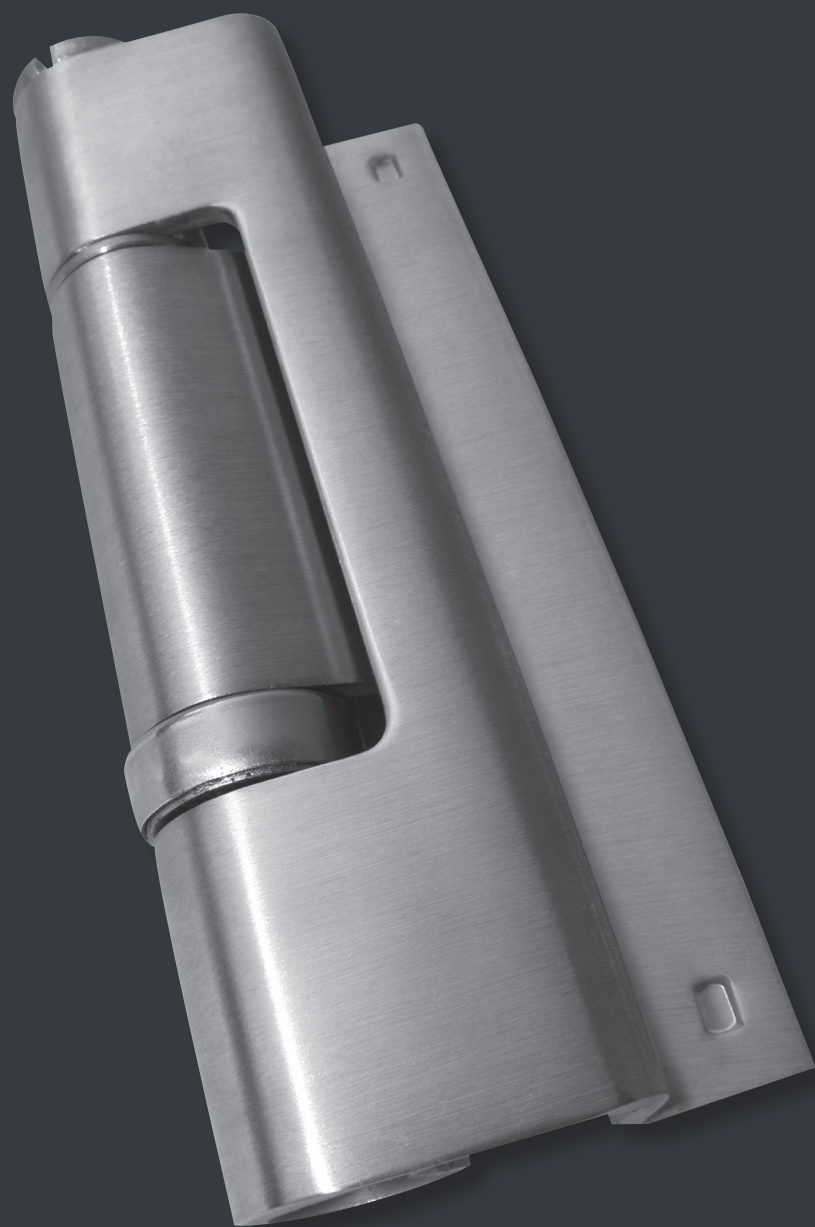
Combination

VARIO hinges VLX	100/ 120/ 160 mm
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Certification Mark

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SCHWARTE Weld-on Hinge

SCHWARTE weld-on hinge

for heavy steel and fire resistant doors

- construction hinge
- weld-on hinge

Technical features

- 2- and 3-part weld-on hinges for steel doors
- Height: 60 - 300 mm
- Several dimensions available on request
- High load bearing capacity, tested according to EN1935
- Available with steel or brass pin
- Optionally with security pin and oil groove
- Bearing or ball bearing ring as accessories in case of loose pin and heavy load (to be ordered separately)

Finishes available

- Steel, bright
- Steel, galvanized
- Stainless steel
- Stainless steel, satin

Custom-specific hinges

Regardless of the order quantity, we design and produce custom-specific hinges based on a dimensional sketch or drawing, which suit your individual requirements (e.g. height, number of leaves, material thickness, cranking, finish, weld-on, screw-on, ...).

Content

p 118

p 125

p 128

p 129

Construction hinge

Weld-on hinge

Steel frames / doors

Fire resistant doors

Round tip

Flat tip

Weld-on Hinge L 2

2-part
construction hinge for steel doors and (air) flaps

Product Specification

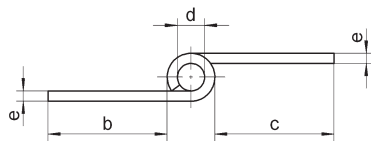
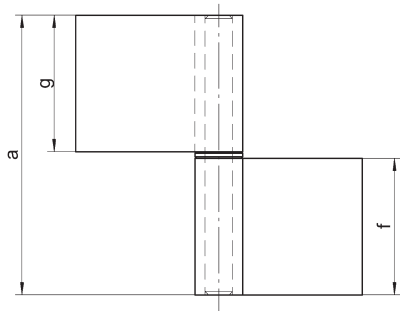
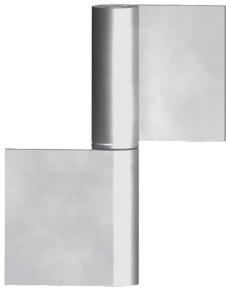
Hinge	weld-on
Door (flap)	steel
Pin / Ring	steel / brass
Direction	DIN left / right
Finish	bright steel / galvanized

Please specify DIN direction when ordering

Technical Data

a	b/c	d	e	f/g	
50	23	6	2	25	mm
60	23	6	2	30	mm
70	25	8	2	35	mm
80	25	8	3	40	mm
100	35	9	3	50	mm
120	35	9	3	60	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width



Certification Mark

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Weld-on Hinge KO 1

2-part construction hinge for steel doors

Product Specification

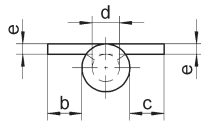
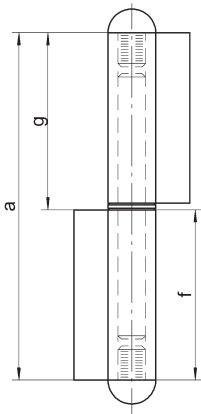
Hinge	weld-on
Door / frame	steel
Pin	steel / brass
Direction	DIN left / right
Finish	bright steel / galvanized

Please specify DIN direction when ordering

Technical Data

a	b/c	d	e	f/g	
80	8	9	3	40	mm
100	8	9	3	50	mm
120	8	9	3	60	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width



Certification Mark

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Weld-on Hinge KO 2

2-part construction hinge for steel doors

Product Specification

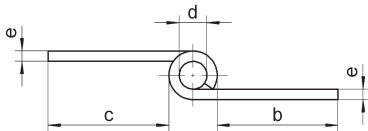
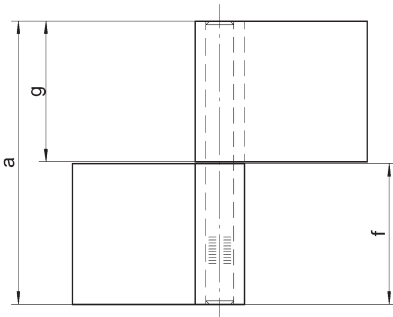
Hinge	weld-on
Door / frame	steel
Pin	fixed in frame part, steel / brass
Direction	DIN left / right
Finish	bright steel / galvanized

Please specify DIN direction when ordering

Technical Data

a	b/c	d	e	f/g	
60	23	6	2	80	mm
80	25	8	3	40	mm
100	35	9	3	50	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width



Certification Mark

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Weld-on Hinge KO 4

2-part construction hinge for steel doors

Product Specification

Hinge	weld-on
Door	steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized / stainless
Accessory (opt.)	bearing / ball bearing ring to be ordered separately

Please specify DIN direction when ordering

Technical Data – Steel

a	b/c	d	e	f/g	
100	30	9	3	50	mm
120	30	9	3	60	mm
140	50	14	4	70	mm
160	50	12	3	80	mm
160	50	14	4	80	mm
180	50	14	4	90	mm
180	50	16	5	90	mm
200	50	14	4	100	mm
200	50	16	5	100	mm

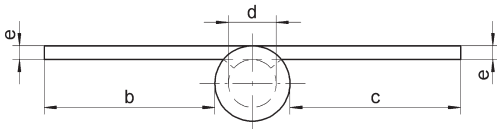
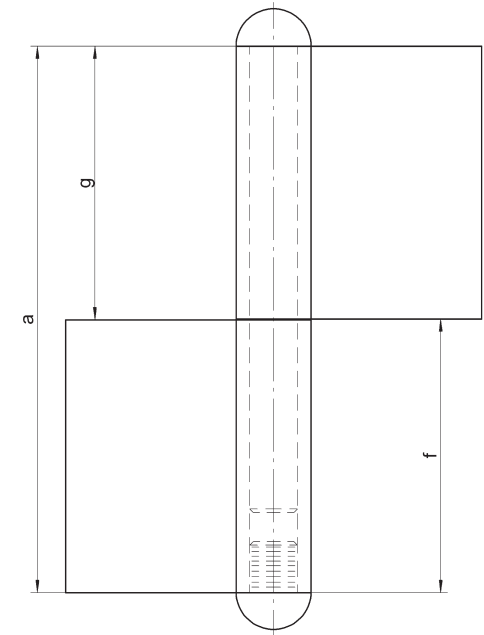
Technical Data – Stainless steel

a	b/c	d	e	f/g	
140	50	12	3	70	mm
160	50	12	3	80	mm
180	50	12	3	90	mm
200	50	14	4	100	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. leaf width.
Further dimensions available on request.

Certification Mark

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Weld-on Hinge KO 6

2-part construction hinge for steel doors

Product Specification

Hinge	weld-on
Door / frame	steel
Pin	fixed
Direction	DIN left / right
Finish	bright steel / galvanized

Please specify DIN direction when ordering

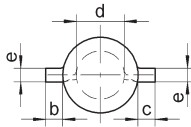
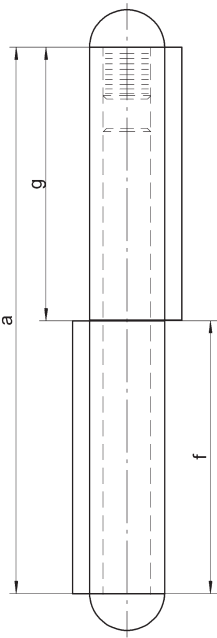
Technical Data

a	b/c	d	e	f/g	
80	5	9	3	40	mm
100	5	9	3	50	mm
120	5	9	3	60	mm
140	5	12	3	70	mm
140	5	14	4	70	mm
140	11	14	4	70	mm
160	5	12	3	80	mm
160	5	14	4	80	mm
160	11	14	4	80	mm
180	5	14	4	90	mm
180	11	14	4	90	mm
200	5	14	4	100	mm
200	11	14	4	100	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width.
Further dimensions available on request.

Certification Mark

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Weld-on Hinge KO 7

2-part construction hinge for steel doors

Product Specification

Hinge	weld-on
Door / frame	steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized
Accessory (opt.)	bearing / ball bearing ring to be ordered separately

Please specify DIN direction when ordering

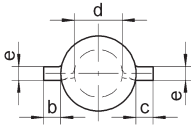
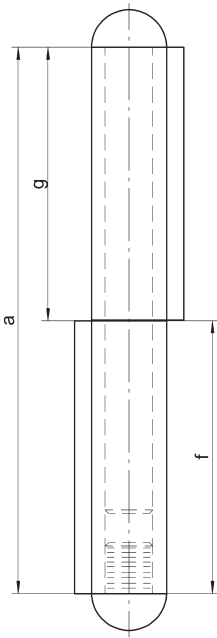
Technical Data

a	b/c	d	e	f/g	
80	5	9	3	40	mm
100	5	9	3	50	mm
120	5	9	3	60	mm
140	5	12	3	70	mm
140	5	14	4	70	mm
140	11	14	4	70	mm
160	5	12	3	80	mm
160	5	14	4	80	mm
160	11	14	4	80	mm
180	5	14	4	90	mm
180	11	14	4	90	mm
200	5	14	4	100	mm
200	11	14	4	100	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width.
Further dimensions available on request.

Certification Mark

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Weld-on Hinge KO 8

3-part construction hinge for steel doors and gates

Product Specification

Hinge	weld-on
Door / frame	steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized / stainless
Accessory (opt.)	bearing / ball bearing ring to be ordered separately
Please specify DIN direction when ordering	

Technical Data – Steel

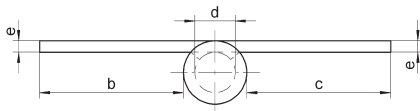
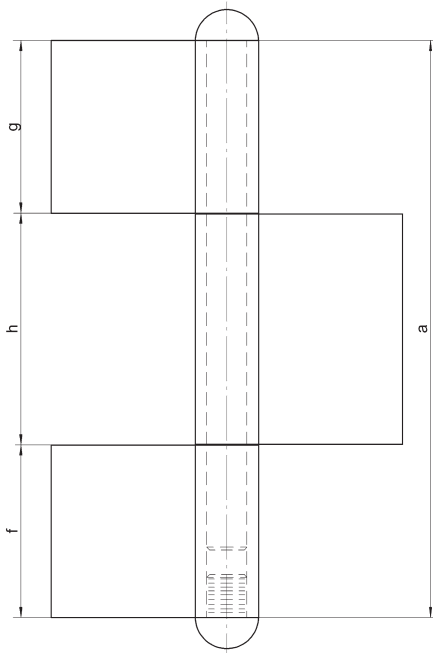
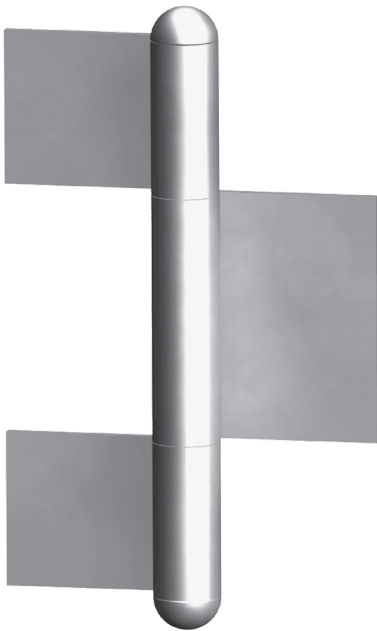
a	b/c	d	e	f/g	h	
180	50	14	4	60	60	mm
220	50	14	4	70	80	mm
240	50	16	5	70	100	mm
260	50	16	5	80	100	mm
260	50	20	6	80	100	mm
300	50	20	6	100	100	mm

Technical Data – Stainless steel

a	b/c	d	e	f/g	h	
180	50	12	3	60	60	mm
220	50	12	3	70	80	mm
240	50	16	5	70	100	mm
260	50	16	5	80	100	mm

a. Knuckle length, b/c Leaf length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width, h. Leaf width. Further dimensions available on request

Certification Mark



Weld-on Hinge KOF 72

2-part construction hinge for fire resistant doors

Product Specification

Hinge	weld-on (screw-on)
Door	fire resistant, steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized / stainless
Accessory	hardened ball bearing ring, oil groove, security pin

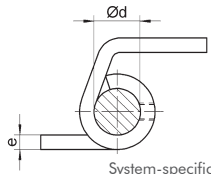
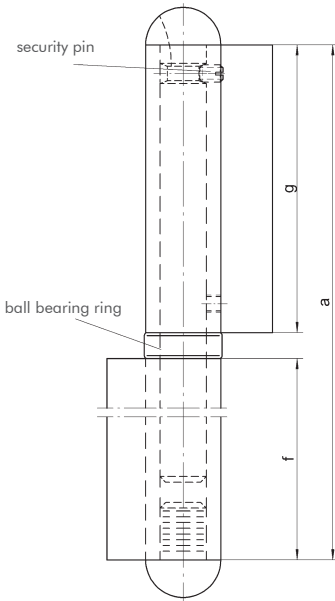
Technical Data

a	d	e	f/g	
200	16	5	100	mm

a. Knuckle length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width

System-specific type, available in different variants

Certification Mark



Weld-on Hinge KOF 75

3-part construction hinge for fire resistant doors

Product Specification

Hinge	weld-on (screw-on)
Door	fire resistant, steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized / stainless
Accessory	hardened ball bearing ring, oil groove, security pin

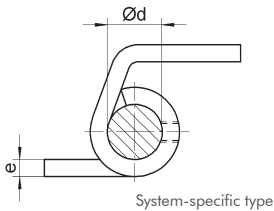
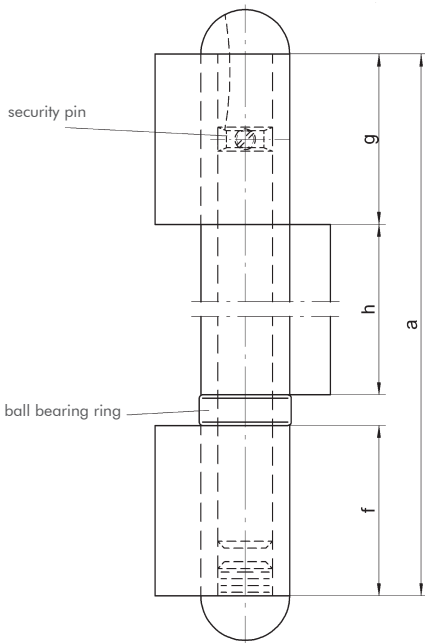
Technical Data KOF 75

a	d	e	f/g	h	
200	16	5	50	100	mm

a. Knuckle length, d. Knuckle-Ø, e. Material thickness, f/g. Leaf width, h. Leaf width

System-specific type, available in different variants

Certification Mark



Weld-on Hinge KO 500

2-part construction hinge for fire resistant doors

Product Specification

Hinge	weld-on (screw-on)
Door	fire resistant, steel
Pin	loose
Direction	DIN left / right
Finish	bright steel / galvanized / stainless
Accessory	hardened ball bearing ring, oil groove, security pin

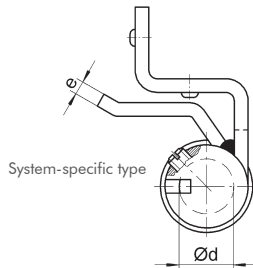
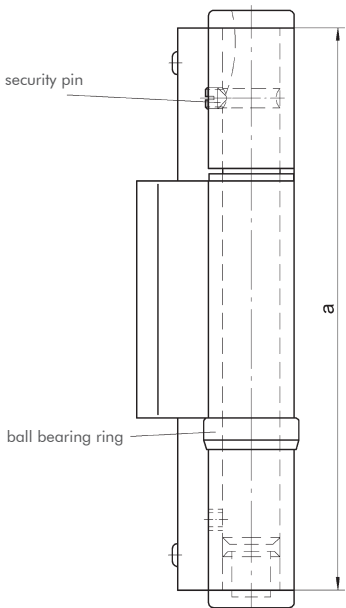
Technical Data KO 500

a	d	e	
160	16	4	mm

a. Knuckle length, d. Knuckle-Ø, e. Material thickness

System-specific type, available in different variants

Certification Mark



Weld-on Hinge KO 40

2-part weld-on hinge with round tip

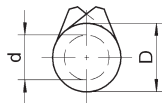
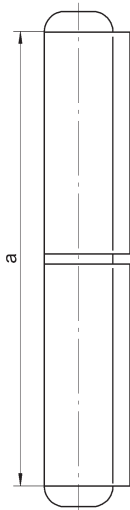
Product Specification

Hinge	weld-on
Door / frame	steel
Variants	KO 40 - steel pin
	KO 41 - brass pin
	KO 42 - loose steel pin
	KO 43 - loose brass pin
Direction	DIN left / right
Finish	bright steel / stainless
Accessory	brass ring

Technical Data

a	D	d	
40	8	5	mm
50	8	5	mm
60	10	6	mm
80	13	8	mm
100	16	10	mm
120	16	11	mm
135	18	12	mm
150	20	13	mm
180	20	14	mm

a. Knuckle length, D. Knuckle-Ø (outer), d. Knuckle-Ø (inner).
Further dimensions available on request



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Weld-on Hinge KO 50

2-part weld-on hinge with flat tip

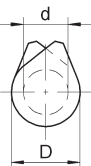
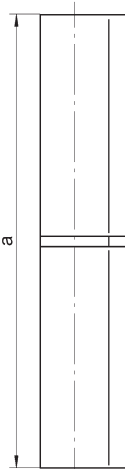
Product Specification

Hinge	weld-on
Door / frame	steel
Variants	KO 50 - steel pin
	KO 51 - brass pin
Direction	DIN left / right
Finish	bright steel
Accessory	brass ring

Technical Data

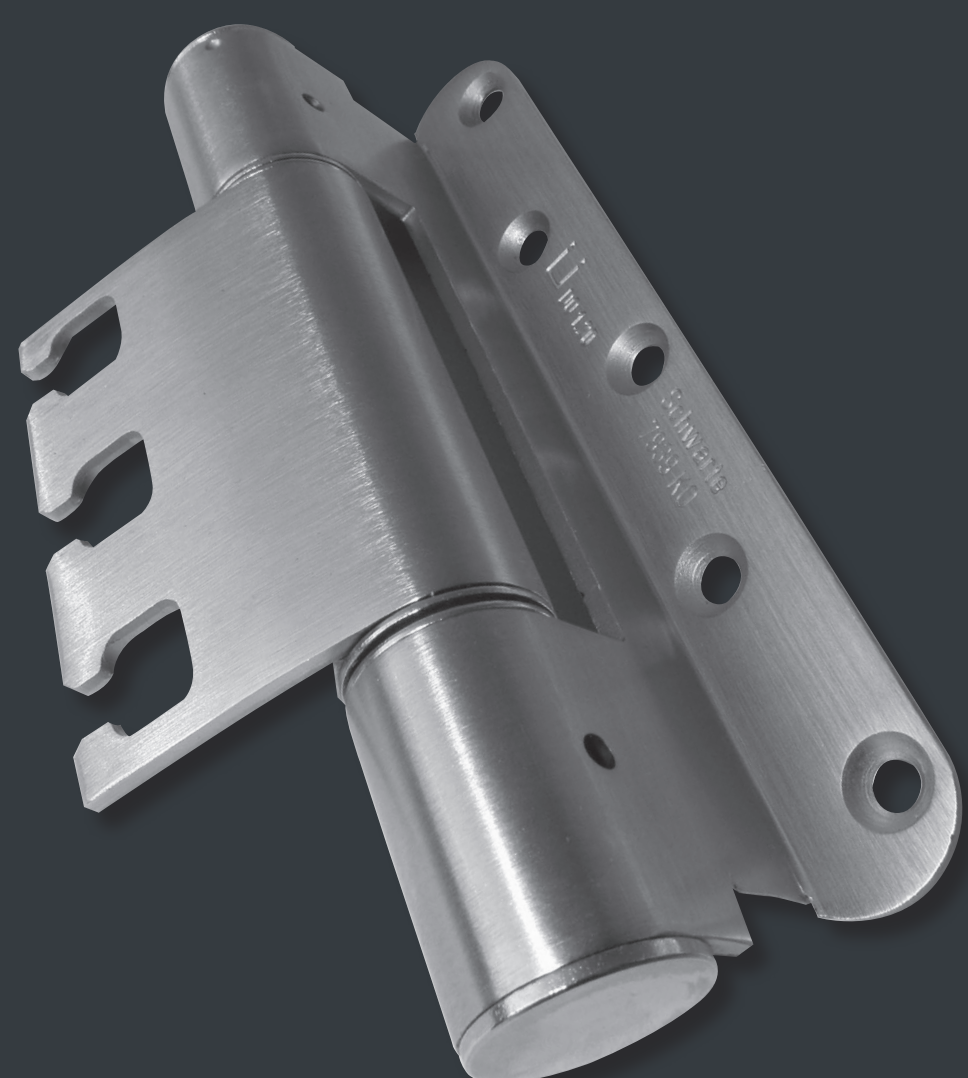
a	D	d	
45	9	5	mm
60	10	6	mm
80	13	8	mm
100	16	10	mm
120	16	11	mm
140	20	11	mm
160	20	12	mm
180	20	14	mm
180	20	14	mm

a. Knuckle length, D. Knuckl-Ø (outer), d. Knuckle-Ø (inner).
Further dimensions available on request.



Certification Mark

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SCHWARTE Spring Hinge Set

SCHWARTE spring hinge set

is specifically constructed in accordance with DIN 18272 to meet the high requirements on fire resistant doors, and are composed of

- construction hinge
- spring hinge

Technical features

- Self-closing mechanism for fire resistant doors through spring loaded pin
- Excellent alternative to overhead mounted closers
- Torsion-proof pin
- Material thickness 3.0 mm / 4.0 mm (steel and stainless steel)
- Weld-on hinges suitable for steel doors
- Hinge types for timber, steel and aluminium frames, adjustable through combination with receiver VLX

Finishes available

- Steel, bright
- Steel, galvanized
- Steel, polished / matt nickel-plated
- Steel, matt chrome-plated
- Steel, brass-plated
- Steel, gold-plated
- Steel, burnished
- Stainless look
- Stainless steel
- RAL-coloured

Custom-specific hinges

If you require a special hinge, please submit a dimensional drawing or sketch, thus we can design and produce a hinge that suits your individual requirements.

Content

p 132	Spring hinge set	Steel frames
p 135		Timber / steel / aluminium frames

Spring Hinge Set FH-602-10

Spring hinge (3 mm) for fire resistant doors

Product Specification

Hinge	spring hinge
Door / frame	fire resistant, steel
Slide bearings	hardened
Direction	DIN left / right
Finish	bright steel / galvanized

Technical Data

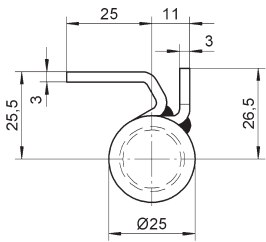
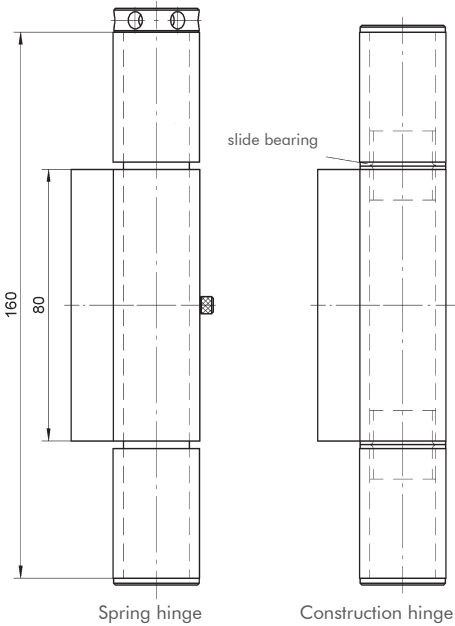
Height	160 mm
Knuckle diameter	25 mm
Material thickness	3.0 mm
Load capacity (acc. to DL)	80 kg*
Standard	DIN 18272

*Construction hinge

Accessories (optional)

Security pin

Certification Mark



Spring Hinge Set FH-602-11

Spring hinge (4 mm) for fire resistant doors

Product Specification

Hinge	spring hinge
Door / frame	fire resistant, steel
Slide bearings	hardened
Direction	DIN left / right
Finish	bright steel / galvanized

Technical Data

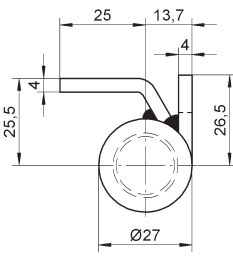
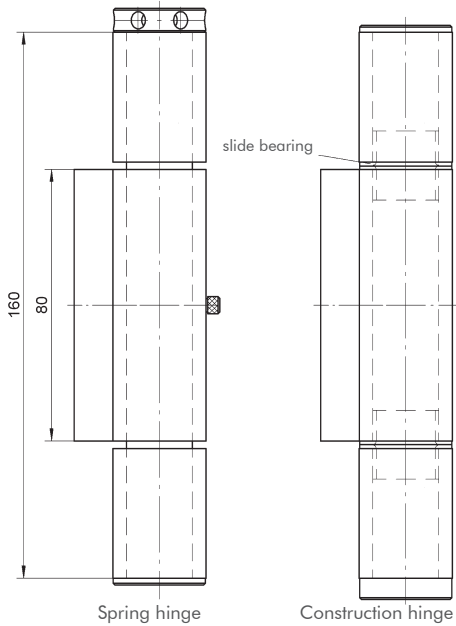
Height	160 mm
Knuckle diameter	27 mm
Material thickness	4.0 mm
Load capacity (acc. to DL)	80 kg*
Standard	DIN 18272

*Construction hinge

Accessories (optional)

Security pin

Certification Mark



Spring Hinge Set FH-625

Spring hinge (4 mm) for fire resistant doors

Product Specification

Hinge	spring hinge
Door / frame	fire resistant, steel
Slide bearings	hardened
Direction	DIN left / right
Finish	bright steel / galvanized

Please specify DIN direction when ordering

Technical Data

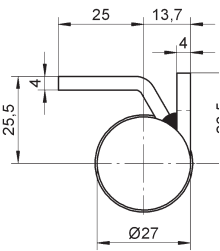
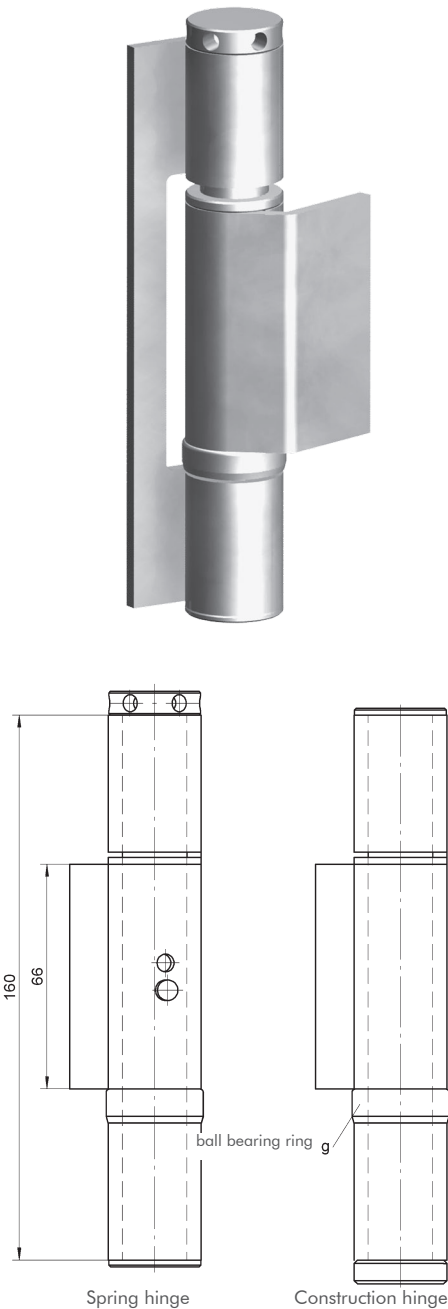
Height	160 mm
Knuckle diameter	27 mm
Material thickness	4.0 mm
Load capacity (acc. to DL)	80 kg*
Standard	DIN 18272

*Construction hinge

Accessories (optional)

Security pin

Certification Mark



Spring Hinge Set FHX-7729

Spring hinge for unrebated fire resistant doors with receivers VLX

Product Specification

Hinge	spring hinge
Door	unrebated, fire resistant
Frame	timber / steel / aluminium
Slide bearings	hardened
Direction	DIN left / right
Finish	see p 131

Technical Data

Height	160 mm
Knuckle diameter	25 mm
Material thickness	3.0 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	80 kg*
Standard	DIN 18272

*Construction hinge

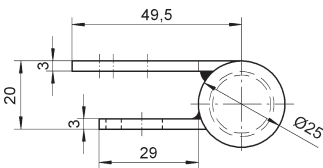
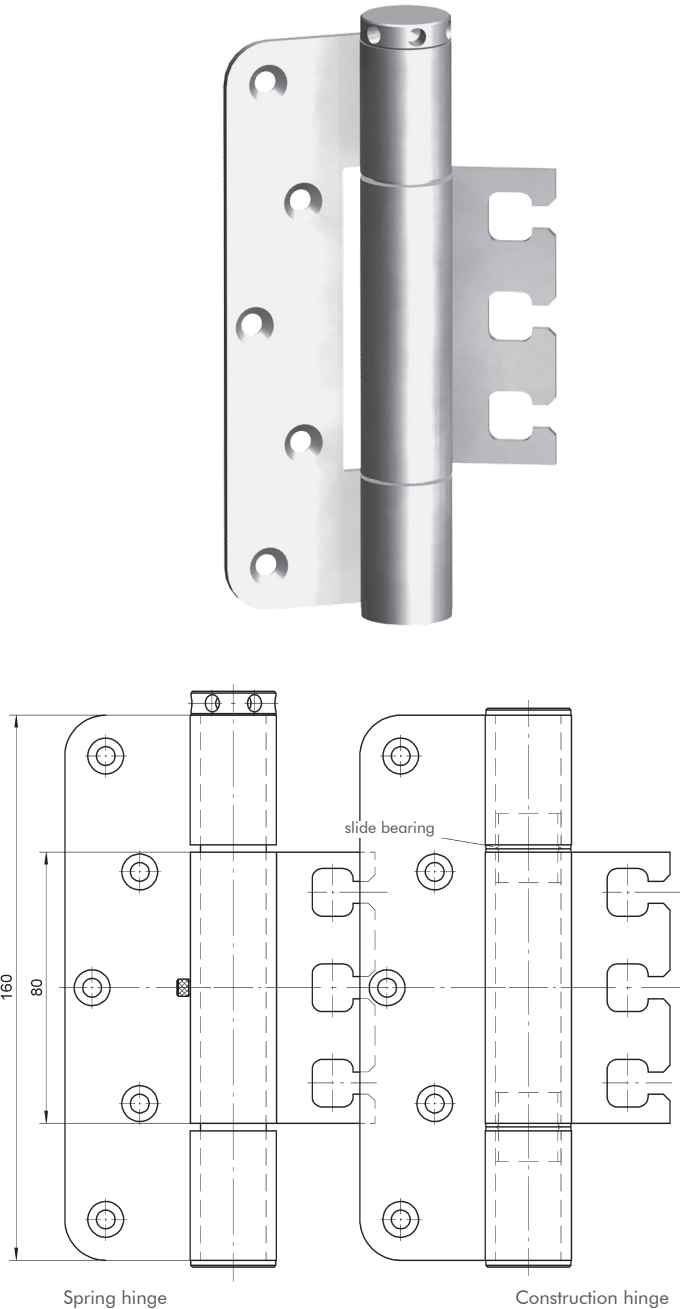
Combination

Receiver VLX system, 3-D adjustable

Accessories (optional)

Security pin

Certification Mark



Spring Hinge Set FHX-7939

Spring hinge for rebated fire resistant doors with receivers VLX

Product Specification

Hinge	spring hinge
Door	rebated, fire resistant
Frame	timber / steel / aluminium
Slide bearings	hardened
Direction	DIN left / right
Finish	see p 131

Technical Data

Height	160 mm
Knuckle diameter	25 mm
Material thickness	3.0 mm
Cutter diameter	24 mm
Load capacity (acc. to DL)	80 kg*
Standard	DIN 18272

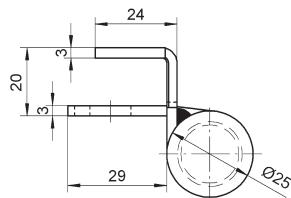
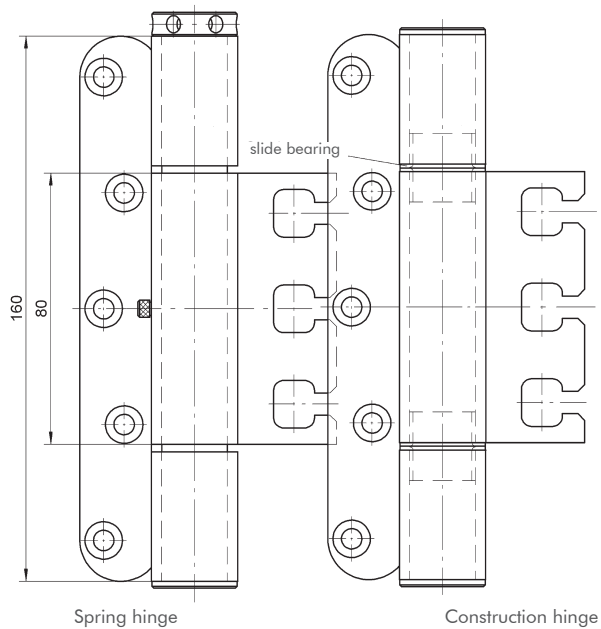
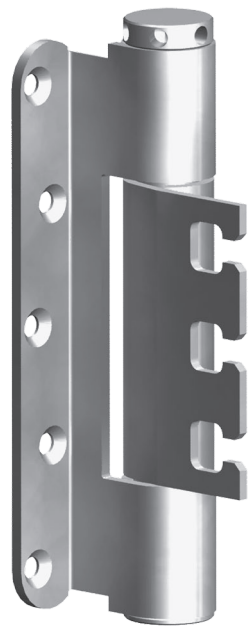
*Construction hinge

Combination

Receiver	VLX system, 3-D adjustable
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Accessories (optional)

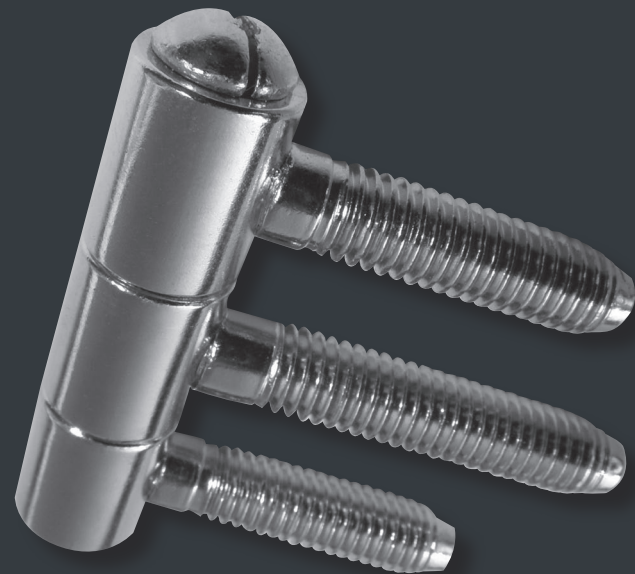
Security pin



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SCHWARTE Drill-in Hinge

SCHWARTE drill-in hinge

for furniture, timber windows and doors

- SCHWADRO drill-in hinge
- SCHWADRO drill-in hinge ZK

Technical features

- 2- and 3-part drill-in hinges for timber leaves
- Variants with decorative hinge tip (ZK)
- Optionally with torsion-proof pin
- Maintenance-free variants available

Finishes available

- Steel, bright
- Steel, galvanized
- Steel, gelb-verzinkt
- Steel, nickel-plated
- Steel, polished chrome-plated
- Steel, gold-plated
- Steel, brass-plated
- Steel, burnished
- Stainless steel
- RAL-coloured

Further finishes available on request

Custom-specific hinges

If you require a special hinge, please submit a dimensional drawing or sketch, thus we can design and produce a hinge that suits your individual requirements.

Content

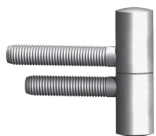
p 140	SCHWADRO drill-in hinge	Furniture
p 143		Timber windows
p 146		Timber doors
p 154	SCHWADRO drill-in hinge ZK	Furniture
p 155		Timber windows
p 156		Timber doors

SCHWADRO Drill-in Hinge SA 10-10

2-part hinge for furniture

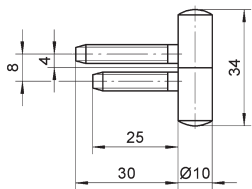
Product Specification

Hinge	2-part, drill-in
Door / frame	furniture
Direction	DIN left / right
Finish	see p 139



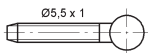
Technical Data

Knuckle diameter	10 mm
Knuckle length	34 mm
Frame part (Ø/ l)	5.5/ 25 mm
Door part (Ø/ l)	5.5/ 30 mm
Minimum overlap	10 mm



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SCHWADRO Drill-in Hinge SB 10-08

2-part hinge for furniture

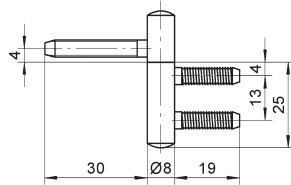
Product Specification

Hinge	2-part, drill-in
Door / frame	furniture
Direction	DIN left / right
Finish	see p 139



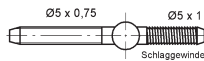
Technical Data

Knuckle diameter	8 mm
Knuckle length	40 mm
Frame part (Ø/ l)	5/ 19 mm
Door part (Ø/ l)	5/ 30 mm
Minimum overlap	8 mm



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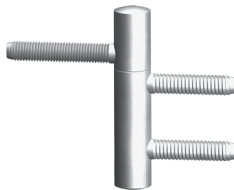


SCHWADRO Drill-in Hinge SB 10-10

2-part hinge for furniture

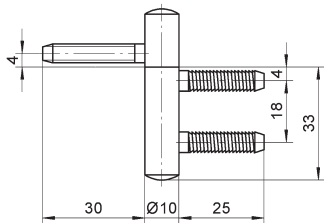
Product Specification

Hinge	2-part, drill-in
Door / frame	furniture
Direction	DIN left / right
Finish	see p 139

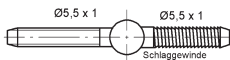


Technical Data

Knuckle diameter	10 mm
Knuckle length	47 mm
Frame part (Ø/ l)	5.5/ 25 mm
Door part (Ø/ l)	5.5/ 30 mm
Minimum overlap	10 mm



Certification Mark

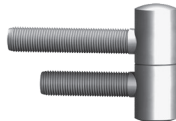


SCHWADRO Drill-in Hinge SA 10-13

2-part hinge for timber windows

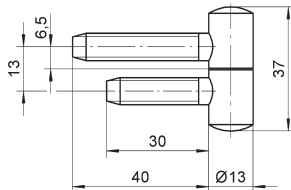
Product Specification

Hinge	2-part, drill-in
Door / frame	timber windows
Direction	DIN left / right
Finish	see p 139

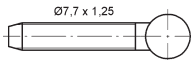


Technical Data

Knuckle diameter	13 mm
Knuckle length	37 mm
Frame part (Ø/ l)	8/ 30 mm
Door part (Ø/ l)	8/ 40 mm
Minimum overlap	12 mm



Certification Mark

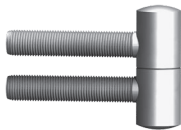


SCHWADRO Drill-in Hinge SA 20-13

2-part hinge for timber windows

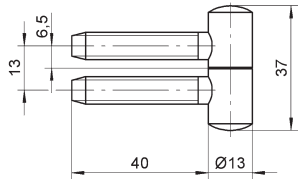
Product Specification

Hinge	2-part, drill-in
Door / frame	timber windows
Direction	DIN left / right
Finish	see p 139



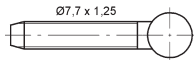
Technical Data

Knuckle diameter	13 mm
Knuckle length	37 mm
Frame part (Ø/ l)	8/ 40 mm
Door part (Ø/ l)	8/ 40 mm
Minimum overlap	12 mm



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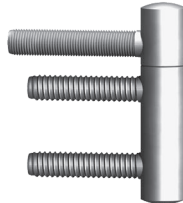


SCHWADRO Drill-in Hinge SB 10-13

2-part hinge for timber windows

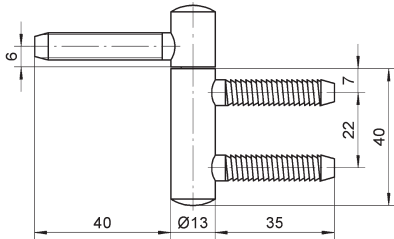
Product Specification

Hinge	2-part, drill-in
Door / frame	timber windows
Direction	DIN left / right
Finish	see p 139



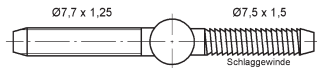
Technical Data

Knuckle diameter	13 mm
Knuckle length	58.5 mm
Frame part (Ø/ l)	8/ 35 mm
Door part (Ø/ l)	8/ 40 mm
Minimum overlap	12 mm



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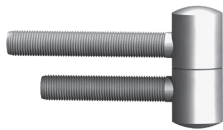


SCHWADRO Drill-in Hinge SA 10-15

2-part hinge for timber doors

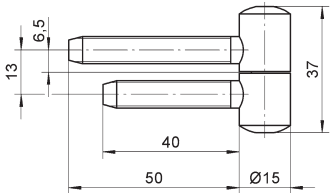
Product Specification

Hinge	2-part, drill-in
Door / frame	timber
Direction	DIN left / right
Finish	see p 139



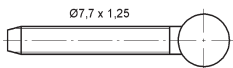
Technical Data

Knuckle diameter	15 mm
Knuckle length	37 mm
Frame part (Ø/ l)	8/ 40 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm



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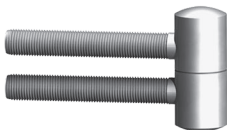


SCHWADRO Drill-in Hinge SA 20-15

2-part hinge for timber doors

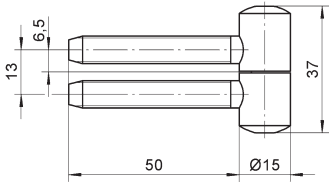
Product Specification

Hinge	2-part, drill-in
Door / frame	timber
Direction	DIN left / right
Finish	see p 139



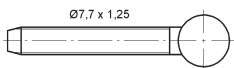
Technical Data

Knuckle diameter	15 mm
Knuckle length	37 mm
Frame part (Ø/ l)	8/ 50 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm



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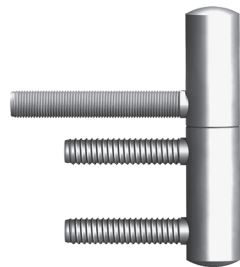


SCHWADRO Drill-in Hinge SB 10-15

2-part hinge for timber doors

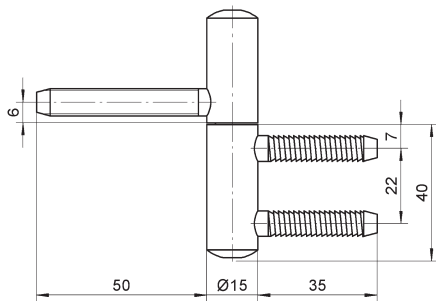
Product Specification

Hinge	2-part, drill-in
Door / frame	timber
Direction	DIN left / right
Finish	see p 139

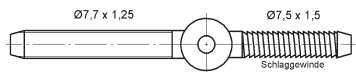


Technical Data

Knuckle diameter	15 mm
Knuckle length	72.5 mm
Frame part (Ø/ l)	7.5/ 35 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm



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SCHWADRO Drill-in Hinge SB 20-15

2-part hinge for timber doors

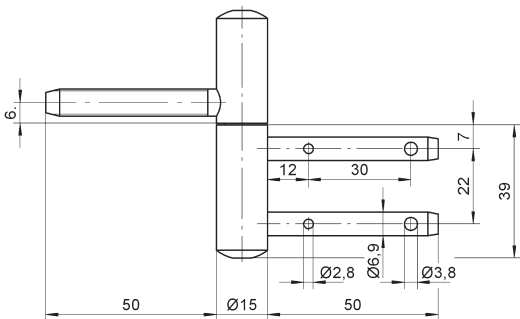
Product Specification

Hinge	2-part, drill-in
Door / frame	timber
Direction	DIN left / right
Finish	see p 139

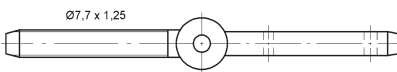


Technical Data

Knuckle diameter	15 mm
Knuckle length	72.5 mm
Frame part (Ø/ l)	7/ 50 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm



Certification Mark

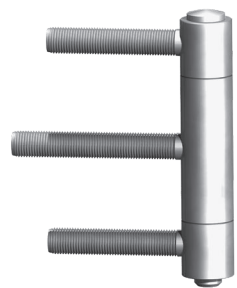


SCHWADRO Drill-in Hinge SC 10-15 WF

3-part hinge for timber doors

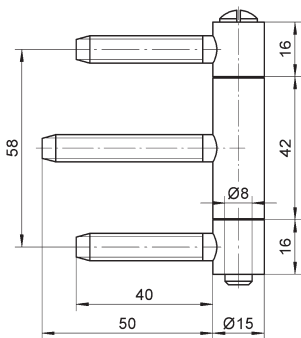
Product Specification

Hinge	3-part, weld-on
Door / frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139



Technical Data

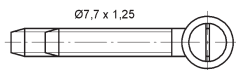
Knuckle diameter	15 mm
Knuckle length	74 mm
Frame part (Ø/ l)	8/ 40 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm



Accessories (optional)

Security pin

Certification Mark

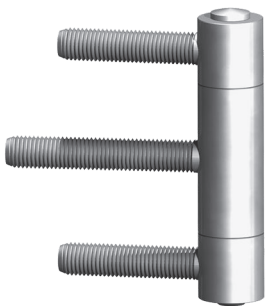


SCHWADRO Drill-in Hinge SC 10-20 WF

3-part hinge for timber (entrance) doors

Product Specification

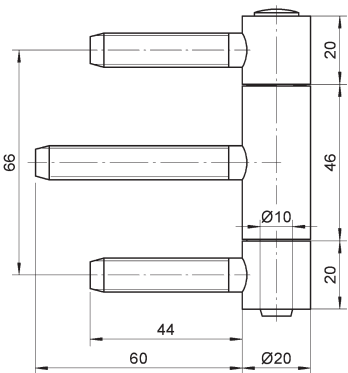
Hinge	3-part, weld-on
Door / frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139



Technical Data

Knuckle diameter	20 mm
Knuckle length	86 mm
Frame part (Ø/ l)	9.9/ 44 mm
Door part (Ø/ l)	9.9/ 60 mm
Minimum overlap	18 mm

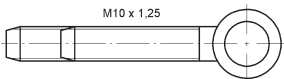
Further dimensions available on request



Accessories (optional)

Security pin

Certification Mark

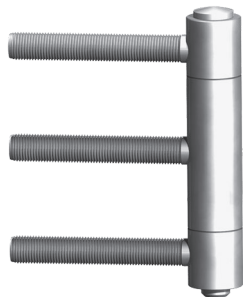


SCHWADRO Drill-in Hinge SC 20-15 WF

3-part hinge for timber doors

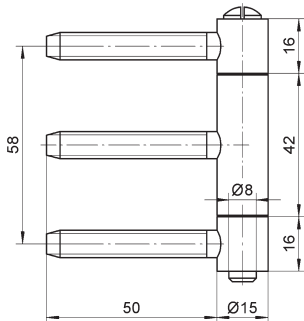
Product Specification

Hinge	3-part, weld-on
Door / frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139



Technical Data

Knuckle diameter	15 mm
Knuckle length	74 mm
Frame part (Ø/ l)	8/ 50 mm
Door part (Ø/ l)	8/ 50 mm
Minium overlap	12 mm

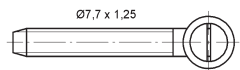


Accessories (optional)

Security pin

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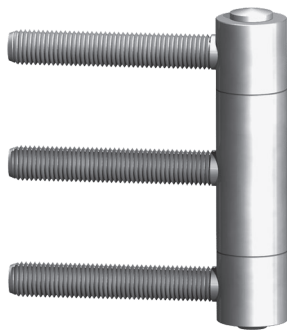


SCHWADRO Drill-in Hinge SC 20-20 WF

3-part hinge for timber (entrance) doors

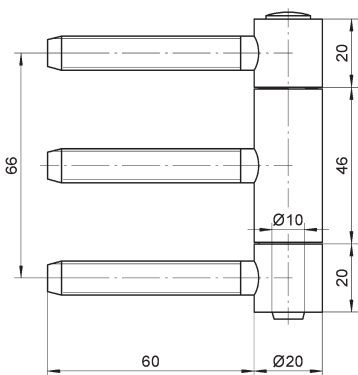
Product Specification

Hinge	3-part, weld-on
Door / frame	timber
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139



Technical Data SC 20-20 WF

Knuckle diameter	20 mm
Knuckle length	86 mm
Frame part (Ø/ l)	9.9/ 60 mm
Door part (Ø/ l)	9.9/ 60 mm
Minimum overlap	18 mm

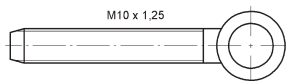


Accessories (optional)

Security pin

Certification Mark

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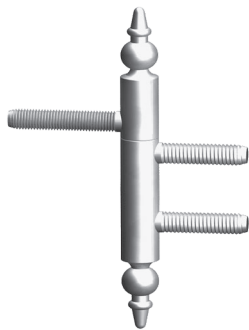


SCHWADRO Drill-in Hinge SB 10-10 ZK

2-part hinge for furniture

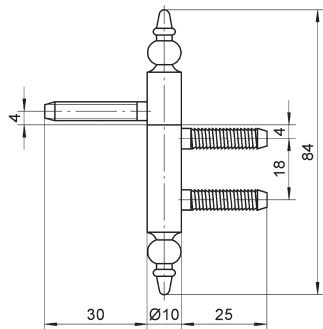
Product Specification

Hinge	3-part, weld-on
Door / frame	furniture
ZK	decorative tip
Direction	DIN left / right
Finish	see p 139

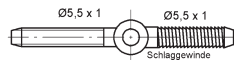


Technical Data

Knuckle diameter	10 mm
Knuckle length	47 mm
Overall height	84 mm
Frame part (Ø/ l)	5.5/ 25 mm
Door part (Ø/ l)	5.5/ 30 mm
Minimum overlap	10 mm



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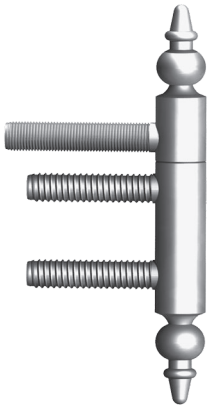


SCHWADRO Drill-in Hinge SB 10-13 ZK

2-part hinge for timber windows

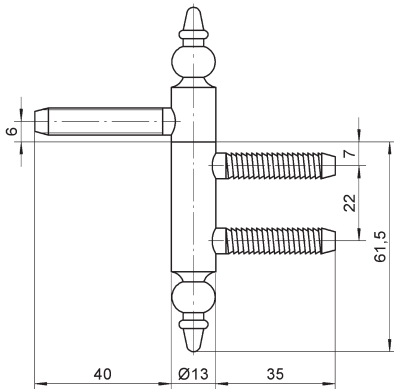
Product Specification

Hinge	3-part, weld-on
Door / frame	timber windows
ZK	decorative tip
Direction	DIN left / right
Finish	see p 139

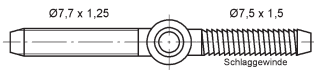


Technical Data

Knuckle diameter	13 mm
Knuckle length	58.5 mm
Overall height	101 mm
Frame part (Ø/ l)	7.5/ 35 mm
Door part (Ø/ l)	8/ 40 mm
Minimum overlap	12 mm



Certification Mark



SCHWADRO Drill-in Hinge SC 10-15 ZK WF

3-part hinge for timber doors

Product Specification

Hinge	3-part, weld-on
Door / frame	timber
ZK	decorative tip
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139

Technical Data

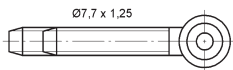
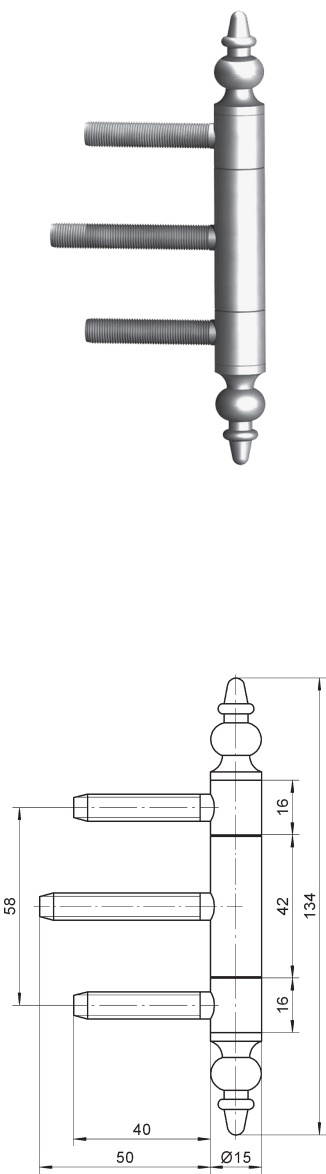
Knuckle diameter	15 mm
Knuckle length	74 mm
Overall height	134 mm
Frame part (Ø/ l)	8/ 40 mm
Door part (Ø/ l)	8/ 50 mm
Minimum overlap	12 mm

Accessories (optional)

Security pin

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SCHWADRO Drill-in Hinge SC 10-20 ZK WF

3-part hinge for timber (entrance) doors

Product Specification

Hinge	3-part, weld-on
Door / frame	timber windows
ZK	decorative tip
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 139

Technical Data

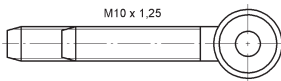
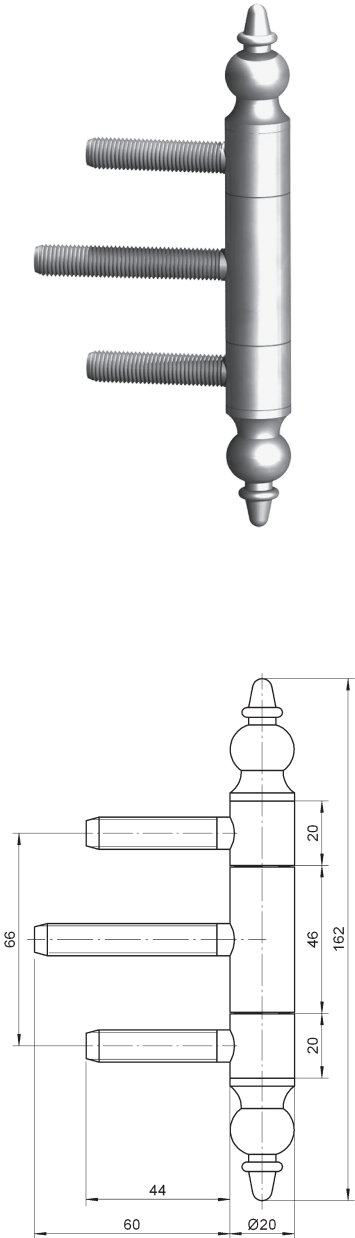
Knuckle diameter	20 mm
Knuckle length	86 mm
Overall height	162 mm
Frame part (Ø/ l)	9.9/ 44 mm
Door part (Ø/ l)	9.9/ 60 mm
Minimum overlap	18 mm

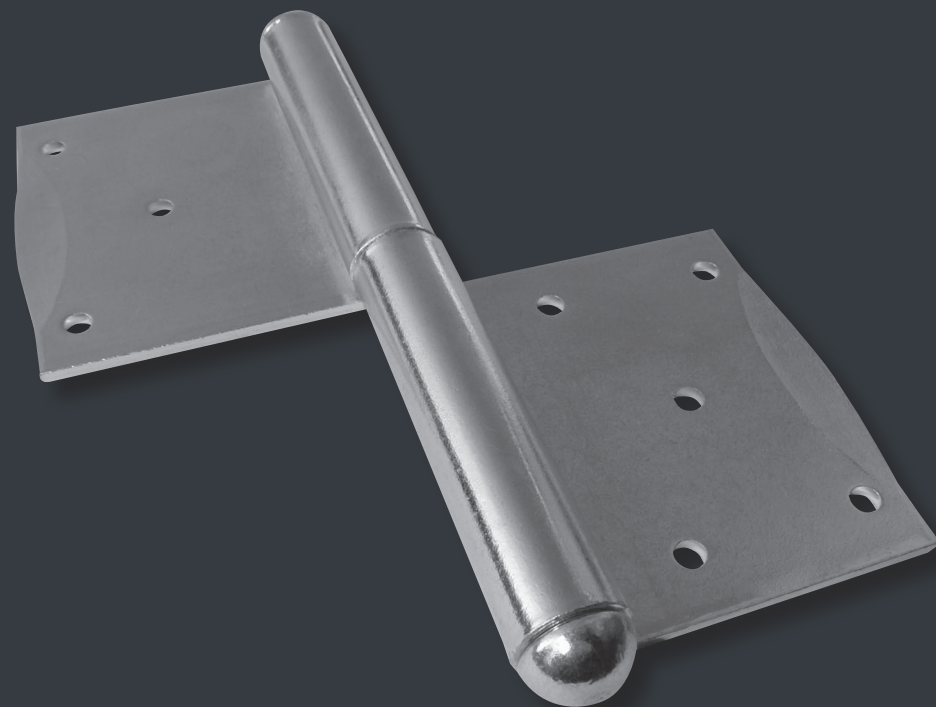
Accessories (optional)

Security pin

Certification Mark

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SCHWARTE Door and Window Hinge

SCHWARTE door and window hinges

for timber or plastic windows and doors

- hinges for timber leaves
- SCHWADRO hinges for plastic leaves

Technical features Hinges for timber leaves

- In sizes 60 - 260 mm, depending on usage and load capacity
- To mortise or screw-on
- Variants either with fixed or loose pin
- Bearing or ball bearing rings as accessories in case of loose pin and heavy load (to be ordered separately)

SCHWADRO hinges for plastic leaves

- SK hinges in sizes 57, 75 and 100 mm for plastic windows and doors

- Maintenance-free slide bearings due to high-quality plastics
- Optionally with torsion-proof pin

Finishes available

- Steel, bright
- Steel, galvanized
- Steel, yellow-galvanized
- Steel, nickel-plated
- Steel, burnished*
- Stainless steel
- RAL-coloured

* only hinges (timber leaves)

Custom-specific hinges

If you require a special hinge, please submit a dimensional drawing or sketch, thus we can design and produce a hinge that suits your individual requirements.

Content

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p 161

p 168

Hinges

SCHWADRO hinges

Timber windows

Timber doors

Plastic windows and doors

Window Hinge C2 / C3

2-part hinge for rebated timber windows

Product Specification

Hinge	mortise window hinge
Door / frame	rebated, timber
Pin	fixed / loose
Finish	bright steel / galvanized

Technical Data

Height	100	120 mm
Pin diameter	8	9 mm
Material thickness	2.0	2.0 mm
Frame leaf (h/ l)	50/ 22	60/ 25 mm
Door leaf (h/ l)	50/ 30	60/ 30 mm
Hole diameter	3.5	3.5 mm

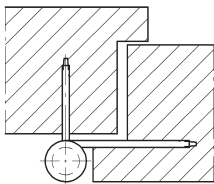
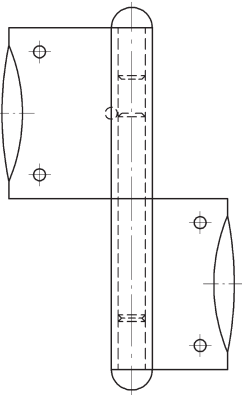
Further dimensions available on request

System versions

- C2with fixed pin (specifiy DIN direction)
optionally with decorative heads
- C3with loose pin (usable DIN left and right)
requires brass / ball bearing ring

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Door Hinge G1 / G3

2-part hinge for rebated timber doors

Product Specification

Hinge	mortise door hinge
Door / frame	rebated, timber
Pin	fixed / loose
Finish	bright steel / galvanized

Technical Data

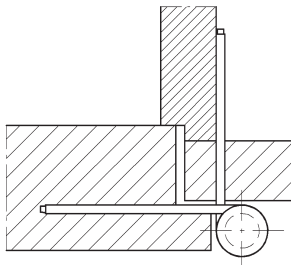
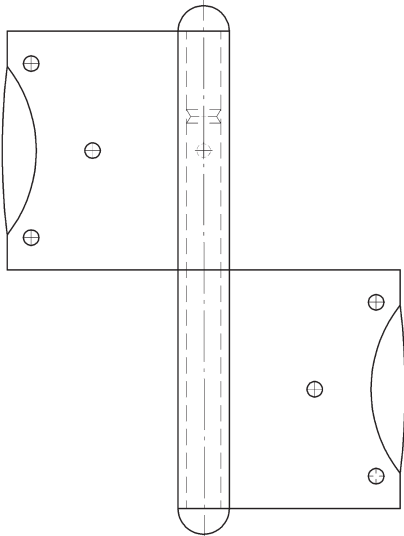
Height	140	160 mm
Pin diameter	10	11 mm
Material thickness	2.5	3.0 mm
Frame leaf (h/ l)	70/ 50	80/ 55 mm
Door leaf (h/ l)	70/ 50	80/ 55 mm
Hole diameter	4.5	5.0 mm

System versions

- G1with fixed pin (specify DIN direction)
- G3with loose pin (usable DIN left and right)

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Door Hinge G4 / G5

2-part hinge for rebated timber doors

Product Specification

Hinge	mortise door hinge
Door	rebated, timber
Frame	blind frame
Pin	fixed / loose
Finish	galvanized

Technical Data

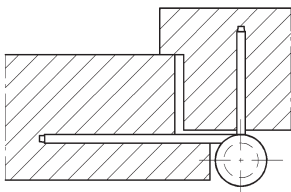
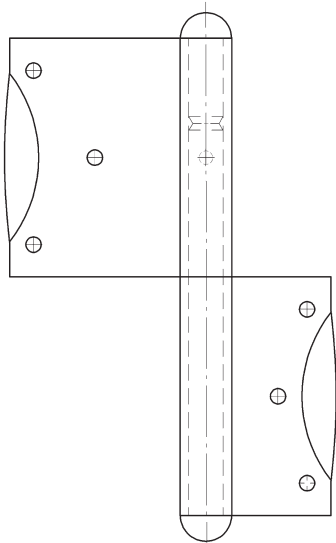
Height	140	160 mm
Pin diameter	10	11 mm
Material thickness	2.5	3.0 mm
Frame leaf (h/ l)	70/ 33	80/ 33 mm
Door leaf (h/ l)	70/ 50	80/ 55 mm
Hole diameter	4.5	5.0 mm

System versions

- G4with fixed pin (specifiy DIN direction)
- G5with loose pin (usable DIN left and right)

Certification Mark

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Door Hinge QF1 / QF2

2-part hinge for rebated timber doors

Product Specification

Hinge	screw-on door hinge
Door	rebated, timber
Frame	blind frame
Pin	fixed / loose
Direction	DIN left / right
Finish	galvanized

Please specify DIN direction when ordering

Technical Data

Height	140	160 mm
Pin diameter	10	11 mm
Material thickness	2.5	3.0 mm
Screw length	50	50 mm

System versions

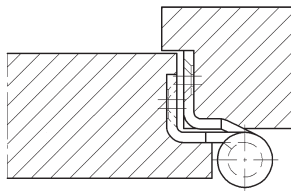
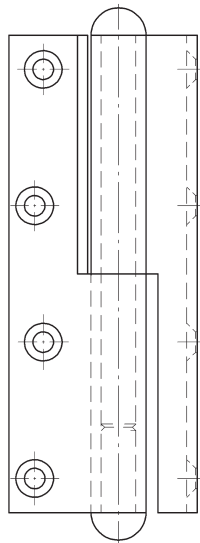
- QF1with fixed pin
- QF2with loose pin

Accessories (optional)

In case of loose pin and heavy load, bearing / ball beaing ring is recommended

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Door Hinge H (“Berliner” Hinge)

2-part hinge for unrebated timber doors

Product Specification

Hinge	screw-on door hinge
Door	unrebated, timber
Frame	blind frame
Pin	loose
Direction	DIN left / right
Finish	galvanized

Technical Data

Height	120	140 mm
Pin diameter	9	10 mm
Material thickness	2.0	2.5 mm
Frame leaf (h/ l)	60/ 30	70/ 36 mm
Door leaf (h/ l)	60/ 27	70/ 33 mm
Screw length	50	50 mm

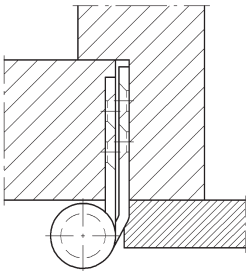
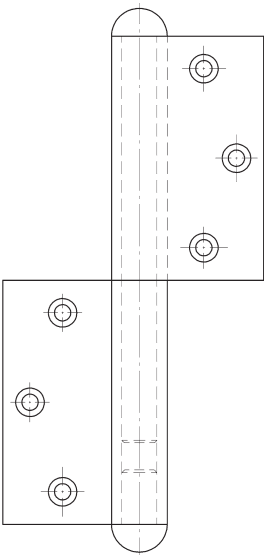
Height	160	180 mm
Pin diameter	11	12 mm
Material thickness	3,0	3.5 mm
Frame leaf (h/ l)	80/ 40	90/ 40 mm
Door leaf (h/ l)	80/ 37	90/ 37 mm
Screw length	50	50 mm

Accessories (optional)

In case of loose pin and heavy load, bearing / ball bearing ring is recommended

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Door Hinge P

2-part hinge for unrebated timber doors

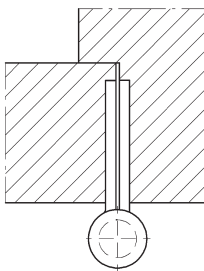
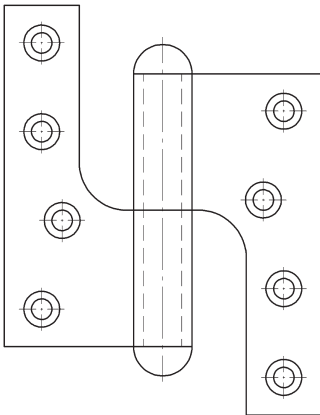
Product Specification

Hinge	screw-on door hinge
Door	unrebated, timber
Frame	blind frame
Pin	loose
Direction	DIN left / right
Finish	galvanized

Please specify DIN direction when ordering

Technical Data

Height	100 mm
Pin diameter	11 mm
Material thickness	3 mm
Frame leaf (h/ l)	100/ 38 mm
Door leaf (h/ l)	100/ 38 mm
Screw length	50 mm



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Door Hinge Q1 / Q2

2-part hinge for unrebated timber doors

Product Specification

Hinge	screw-on door hinge
Door	unrebated, timber
Frame	blind frame
Pin	fixed (Q1) / loose (Q2)
Direction	DIN left / right
Finish	see p 159

Please specify DIN direction when ordering

Technical Data

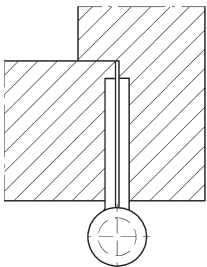
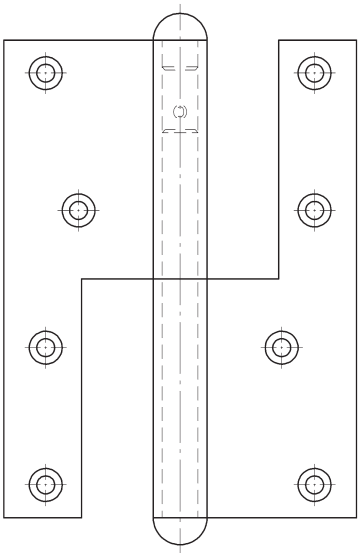
Height	100	120 mm
Pin diameter	8	9 mm
Material thickness	3.0	3.0 mm
Frame leaf (h/ l)	100/ 33	120/ 37 mm
Door leaf (h/ l)	100/ 33	120/ 37 mm
Screw length	50	50 mm

Height	140	160 mm
Pin diameter	10	11 mm
Material thickness	2.5	3.0 mm
Frame leaf (h/ l)	140/ 32	160/ 35 mm
Door leaf (h/ l)	140/ 32	160/ 35 mm
Screw length	50	50 mm

Further dimensions available on request

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Door Hinge QR 70

2-part hinge for unrebated timber doors

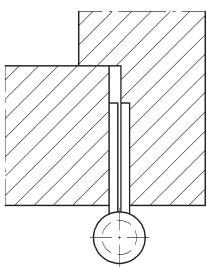
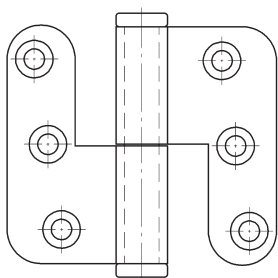
Product Specification

Hinge	screw-on door hinge
Door	unrebated, timber
Frame	blind frame
Pin	fixed
Direction	DIN left / right
Finish	see p 159

Please specify DIN direction when ordering

Technical Data

Height	70 mm
Pin diameter	10 mm
Material thickness	2.5 mm
Frame leaf (h/ l)	70/ 32 mm
Door leaf (h/ l)	70/ 32 mm
Cutter diameter	20 mm
Screw length	50 mm



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SCHWADRO Hinge SK 201 WF

2-part hinge for plastic windows and doors

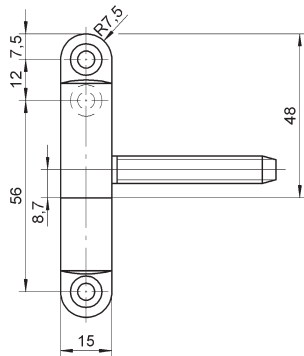
Product Specification

Hinge	window / door hinge
Door / frame	plastic
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 159



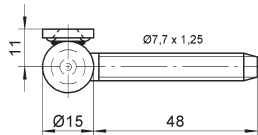
Technical Data

Knuckle diameter	15 mm
Knuckle length	57 mm
Frame plate (h/ l)	15/ 83 mm
Door part (Ø/ l)	8/ 48 mm
Screw diameter	4 mm



Certification Mark

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SCHWADRO Hinge SK 202 WF

2-part hinge for plastic windows and doors

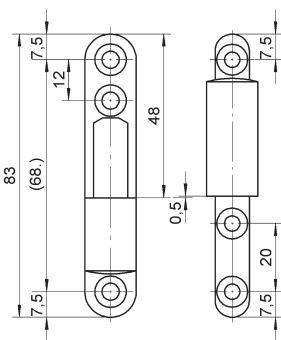
Product Specification

Hinge	window / door hinge
Door / frame	plastic
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 159



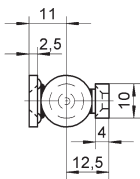
Technical Data

Knuckle diameter	15 mm
Knuckle length	57 mm
Frame plate (h/ l)	15/ 83 mm
Door plate (h/ l)	10/ 83 mm
Screw diameter	4 mm



Certification Mark

schwarte



SCHWADRO Hinge SK 203 WF

2-part hinge for plastic windows and doors

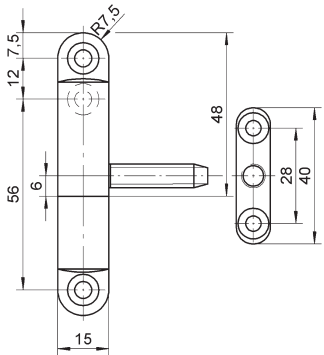
Product Specification

Hinge	window / door hinge
Door / frame	plastic
Door component	adjustable
WF	maintenance-free slide bearings
Direction	DIN left / right
Finish	see p 159



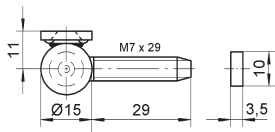
Technical Data

Knuckle diameter	15 mm
Knuckle length	57 mm
Frame plate (h/ l)	15/ 83 mm
Door part (Ø/ l)	7/ 29 mm
Door plate (h/ l)	10/ 40 mm
Screw diameter	4 mm



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SCHWARTE Accessories

SCHWARTE accessories

- for
- hinges: steel rings, bearing rings, brass rings, ball bearing rings
 - frames: frame protectors, wall anchors, speed anchors, corner plates

Remarks

- Please note that this chapter covers only a small part of the broad SCHWARTE accessory portfolio
- Special wall anchors, lock cases, striking plates, security studs, locking plates etc. are available in a wide diversity of variants
- Customized versions available on request

Finishes available

- Steel, bright
- Steel, galvanized
- Steel, nickel-plated
- Steel, brass-plated
- Brass
- Stainless steel

Custom-specific accessories

If you require a special accessory, just contact us directly or submit a dimensional drawing or sketch, thus we can design and produce a product tailored to your specific needs.

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- p 180
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Accessories

- Steel ring
- Bearing ring
- Brass ring
- Ball bearing ring
- Frame protector
- Wall anchor
- Cap anchor
- Corner plate

Steel Ring

Accessories for hinges

Product Specification

Accessory	steel ring
Combination	window/ door hinges
Finish	galvanized (7-10/ 11-14/ 16 mm
	brass-plated (7-10/ 11-14 mm)
	nickel-plated (7-10 mm)

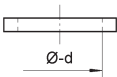


Technical Data

Pin diameter (d)	7-10 mm
	11-14 mm
	16 mm

Please specify pin diameter when ordering

Further versions available on request



Bearing Ring

Accessories for weld-on hinges

Product Specification

Accessory	bearing ring
Combination	window/ door/ gate hinges
	weld-on hinges
Finish	galvanized/ nickel-plated/ stainless

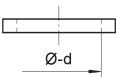


Technical Data

Pin diameter (d)	14 mm
	16 mm

Please specify pin diameter when ordering

Further versions available on request



Brass Ring

Accessories for eindow, door, gate and weld-on hinges

Product Specification

Accessory	brass ring
Combination	window/ door/ gate hinges weld-on hinges
Finish	brass/ galvanized/ nickel-plated

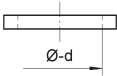


Technical Data

Pin diameter (d)	10 mm
	11 mm
	12 mm
	14 mm
	16 mm
	20 mm

Please specify pin diameter when ordering

Further versions available on request



Ball Bearing Ring

Accessories for window, door, gate and weld-on hinges

Product Specification

Accessory	ball bearing ring
Combination	window/ door/ gate hinges weld-on hinges
Finish	galvanized/ stainless steel

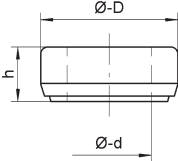


Technical Data

Pin diameter (d)	10	11	12 mm
Outer diameter (D)	17.5	20	22 mm
Height (h)	6	7	8 mm

Pin diameter (d)	14	16	20 mm
Outer diameter (D)	25	27	33 mm
Height (h)	8.5	9	10 mm

Further versions (different diameter/ height)
available on request



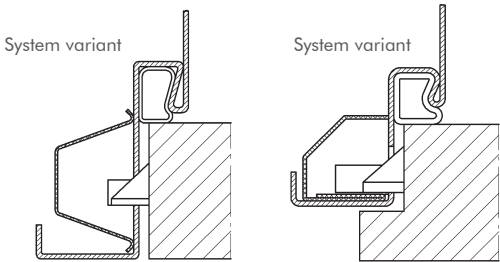
Frame Protector

Accessories for unrebated and rebated steel frames

Product Specification

Accessory	frame protector
Frame	rebated/ unrebated, steel
Finish	bright steel/ galvanized/ stainless
Optional	welding spots

Several standard versions as well as system specific types on request, special variants for security doors



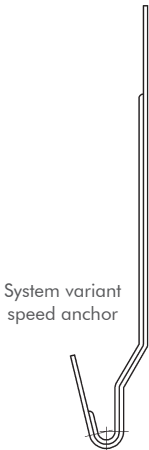
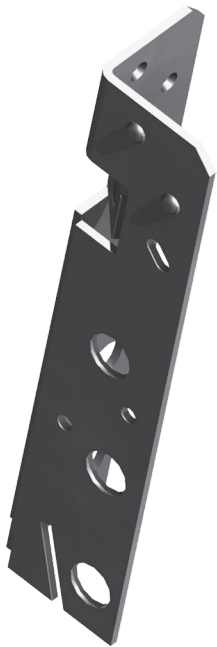
Wall Anchor

Accessories for unrebated and rebated frames

Product Specification

Accessory	wall anchor
Frame	rebated/ unrebated
Finish	bright steel/ galvanized/ stainless
Optional	welding spots

Several standard versions as well as system specific types on request e.g. speed anchor, nail anchor, ...

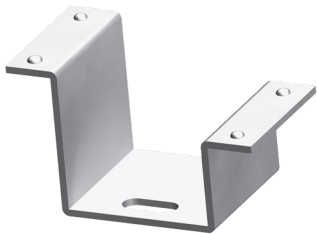


Cap Anchor HA-14

Accessories for partition wall frames

Product Specification

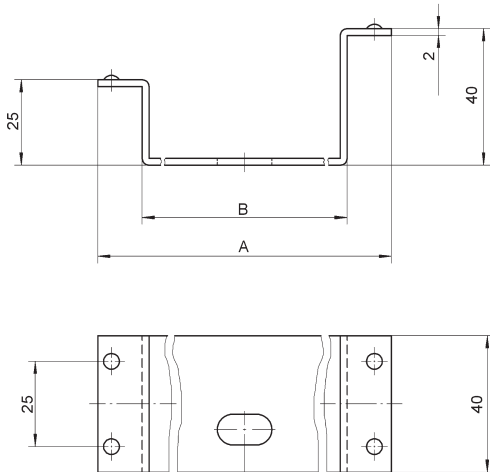
Accessory	cap anchor
Frame	partition wall frame
framesFinish	galvanized



Technical Data

Versions	-01	-02	-03
Overall length (A)	71	96	121 mm
Length (B)	45	70	95 mm

Further verions available on request

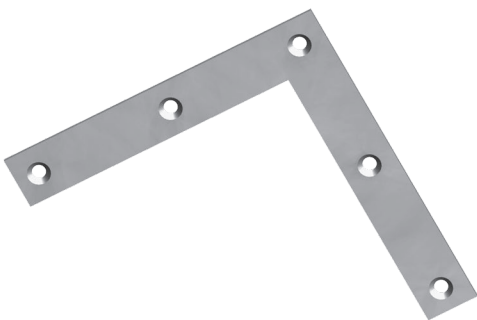


Corner Plate Z II

Accessories for timber windows

Product Specification

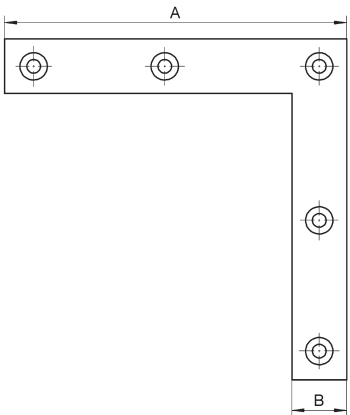
Accessory	corner plate
Door / frame	timber windows
Direction	DIN left / right
Finish	galvanized



Technical Data

Overall length (A)	100	100	120	120 mm
Width (B)	16	20	16	20 mm

Further versions available on request



Technical Informationen – At a Glance

Load Capacity

depending on

- door weight
- location / environment
- frequency of use
- door closers / stoppers
- door dimensions

Excess Door Width

If standard door width (100 cm) is exceeded, maximum permissible load value is reduced percentage-wise (e.g.: door width 125 cm = load value -25 %)

Third Hinge

Increased hinge capacity if third hinge is located in the upper third
Load value approx. + 30 %

Finishes

- Coating
Galvanized, chrome-plated etc. according to functional and visual requirements
- Coloured
According to RAL for colour conformity
- Stainless steel
High-quality appearance, corrosion resistance when exposed to humid and weathering environmental conditions

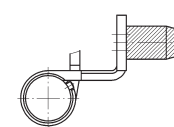
Product Maintenance

Hinge-specific maintenance information on request

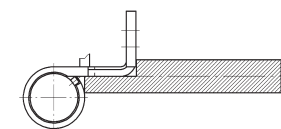
Product Liability

Product liability and General Terms and Conditions, please see www.schwarte.net

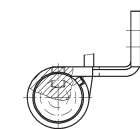
Functional Areas



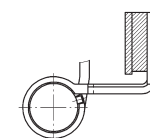
Reinforcing dowel
Stabilization for heavy load / stress (and loose pin)



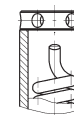
Security stud
Burglar resistant through welded studs



Security pin
Burglar resistance for exterior applications due to concealed security pin



Rebate seal
Sound-proof doors



Springloaded pin
Self-closing mechanism for fire resistant doors



Plastic slide bearings
Maintenance-free (especially for commercial buildings)

Product Index

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