It all hinges on excellence.

SIMONSWERK



VERTO VT 107E WD

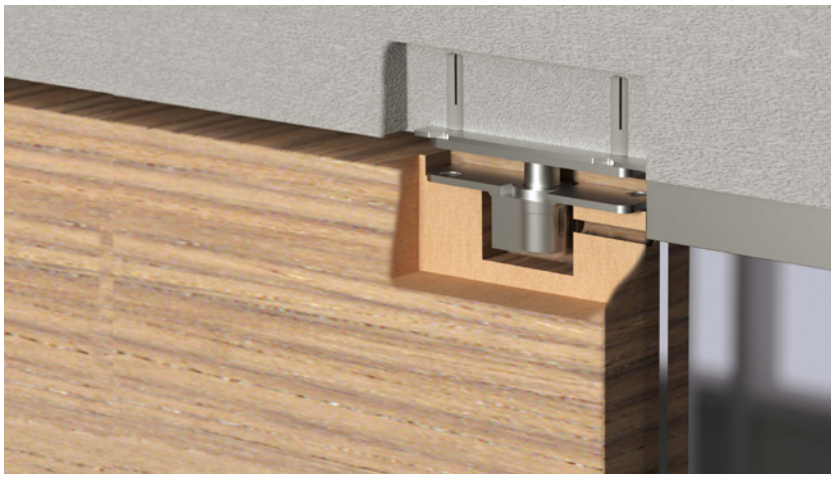
The self-closing pivot hinge system
for residential wood doors

The self-closing pivot hinge system for residential wood doors

Pivot hinges for single- and double-action applications: VERTO offers the versatility and flexibility to be used in wood doors for residential interior applications. After installation, the hinge remains almost completely invisible, supporting a high-quality architectural concept while preserving the natural look of wood. The integrated hydraulic damping system ensures smooth, controlled closing.

VT 107E WD –
the advantages at a glance

- for interior use
- residential wood doors
- load capacity up to 80 kg (176 lbs.)
- door width up to 1,000 mm (39.370")
- hydraulic controlled pivot system
- 90° degrees hold-open function
- adjustable bottom bearing



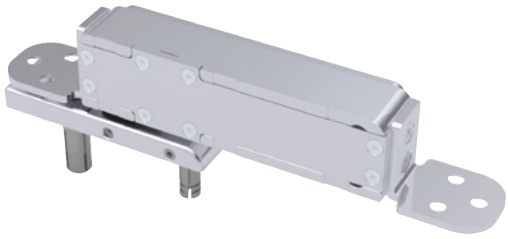
←
top hinge with pivot
VT 107E42/47 WD

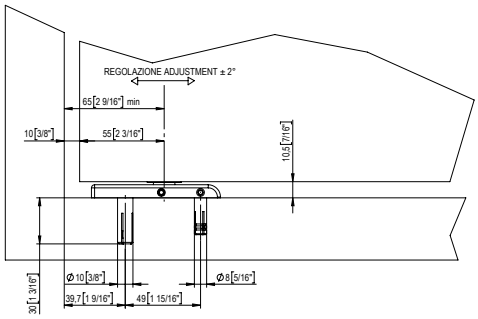


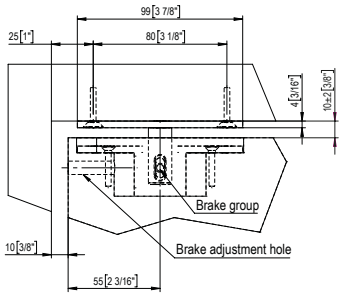
←
hydraulic hinge
VT 107E40 WD

VERTO









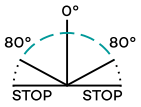
VT 107E WD Kit

for double-action residential doors up to 80 kg (176 lbs.)

hydraulic hinge	**double-action door**	**up to 80.0 kg (176.0 lbs.)**

Product features

- kit of hydraulic bottom hinge and top hinge with pivot
- door thickness from 35–60 mm (1.375–2.362")
- with predetermined, non-modifiable automatic closing
- hold open function at + 90° and - 90°
- automatic closing from + 80° and - 80°
- can also be used for single-action doors
- top hinge allows the reduction of the closing speed





Technical details

load capacity	80.0 kg (176.0 lbs.)
min. door thickness	35.0 mm (1.375")
opening angle	+/- 90°
hold open	+/- 90°
automatic closing	+/- 80°
temperature range	23.0 °F to 104.0 °F
max. door width	1000.0 mm (39.370")

Finish

raw (CO 000), RAL 9005 jet black matt, liquid electrostatic coated (CO 062)

Set

VT 107E WD	top hinge with pivot	VT 107E42/47 WD
	hydraulic hinge	VT 107E40 WD

Installation tools

jig		universal milling frame
~~frame/door~~	template	No. 5 251181 6
	template, step 1	No. 5 251179 5
	template, step 2	No. 5 251180 5

Note

To ensure a permanently proper self-closing function, do not speed up the door above the set closing speed.
Do not move double-action doors in the opposite opening direction without a short rest in the 0° position. This can damage the hinge in the long term.
The angle for the start of self-closing can vary by +/- 5° depending on external factors and the door format in the usual fields of application.

VERTO

VT 107E40 WD

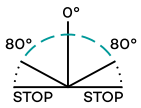
for double-action residential doors up to 80 kg (176 lbs.)

hydraulic hinge	double-action door	up to 80.0 kg (176.0 lbs.)

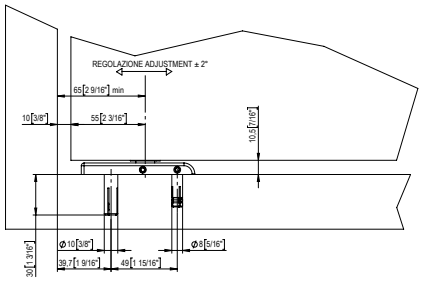


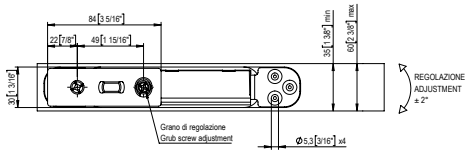
Product features

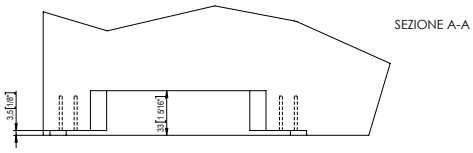
- hydraulic hinge
- door thickness from 35–60 mm (1.375–2.362")
- with predetermined, non-modifiable automatic closing
- hold open function at + 90° and - 90°
- automatic closing from + 80° and - 80°
- can also be used for single-action doors
- combining the bottom hinge with a top hinge allows the reduction of the closing speed

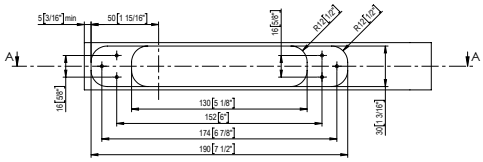












Technical details

load capacity	80.0 kg (176.0 lbs.)
min. door thickness	35.0 mm ~~(1.378")~~
opening angle	+/- 90°
hold open	+/- 90°
automatic closing	+/- 80°
temperature range	23.0 °F to 104.0 °F
max. door width	1000.0 mm (39.370")

Finish

raw (CO 000), RAL 9005 jet black matt, liquid electrostatic coated (CO 062)

Combination

VT 107E42/47 WD

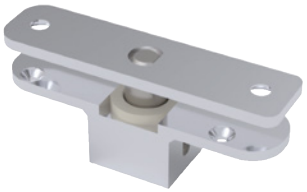
Installation tools

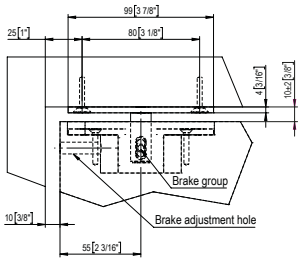
jig		universal milling frame
~~frame~~/door	template, step 1	No. 5 251179 5
	template, step 2	No. 5 251180 5

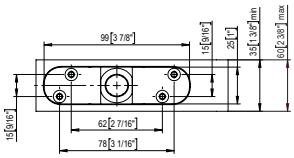
Note

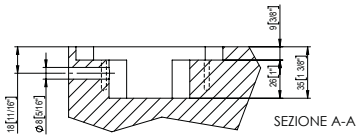
i To ensure a permanently proper self-closing function, do not speed up the door above the set closing speed.
Do not move double-action doors in the opposite opening direction without a short rest in the 0° position. This can damage the hinge in the long term.
The angle for the start of self-closing can vary by +/- 5° depending on external factors and the door format in the usual fields of application.

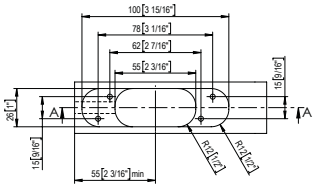
VERTO











VT 107E42/47 WD

for double-action residential doors up to 80 kg (176 lbs.)

top hinge with pivot	**double-action door**	**up to 80.0 kg (176.0 lbs.)**

Product features

- top hinge with pivot
- door thickness from 35–60 mm (1.375–2.362")
- integrated brake

Technical details

load capacity	80.0 kg (176 lbs.)
min. door thickness	35.0 mm (~~1.378"~~)
max. door width	1000.0 mm (39.370")

Finish

raw (CO 000), RAL 9005 jet black matt, liquid electrostatic coated (CO 062)

Combination

VT 107E40 WD

Installation tools

jig		universal milling frame
~~frame~~/door	template	No. 5 251181 6

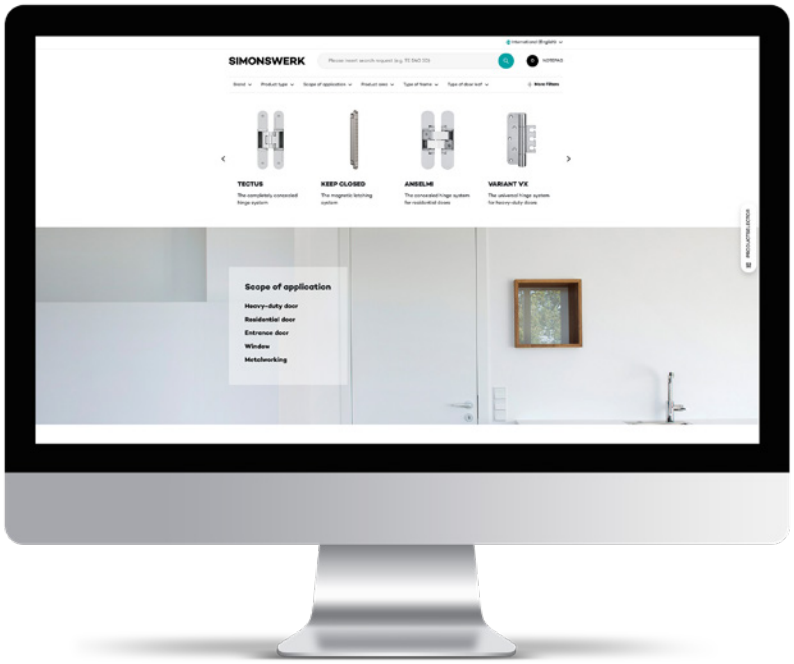
Service and Support for Every Stage of Your Project

Choosing the most suitable hinge system starts with the right support. SIMONSWERK provides the technical resources, specification guidance, and application expertise needed to help project teams make confident decisions.

From standard architectural openings to highly customized door solutions, our team offers practical recommendations tailored to your project requirements.

Brochures, data sheets, and technical documents are available to download or request in printed form. For additional support, our knowledgeable application engineers are available to help you evaluate options and identify the best solution for your project.

www.simonswerk.com



SIMONSWERK GROUP – Engineering Excellence for Sophisticated Door Applications

SIMONSWERK North America provides premium hinge systems for sophisticated architectural applications across the United States and Canada. Backed by a legacy of German engineering and innovation, we offer high-performance solutions for residential and commercial wood, glass, steel, and aluminum doors.

As part of the internationally operating SIMONSWERK GROUP, the global market leader in premium hinge systems, SIMONSWERK North America combines responsive local service with worldwide expertise. More than 900 employees worldwide are dedicated to the development and production of hinge systems, reflecting SIMONSWERK's commitment to quality, innovation, technical expertise, and long-lasting customer relationships.

Through premium products, application expertise, and practical guidance, SIMONSWERK helps bring sophisticated architectural door applications to life.

Why SIMONSWERK GROUP

135+ Years of Experience
A strong foundation of engineering knowledge, product innovation, and long-term growth.

Global Market Leadership
Internationally recognized for premium hinge systems and continually expanding technical expertise.

900+ Employees Worldwide
A global team united by quality, innovation, and a shared commitment to customer success.

Focused Product Solutions
High-quality hinge systems supporting a wide range of applications, architectural designs, and door constructions in premium residential and high-traffic commercial environments.



SIMONSWERK

VERTO VT 107E WD

The self-closing pivot hinge system
for residential wood doors

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