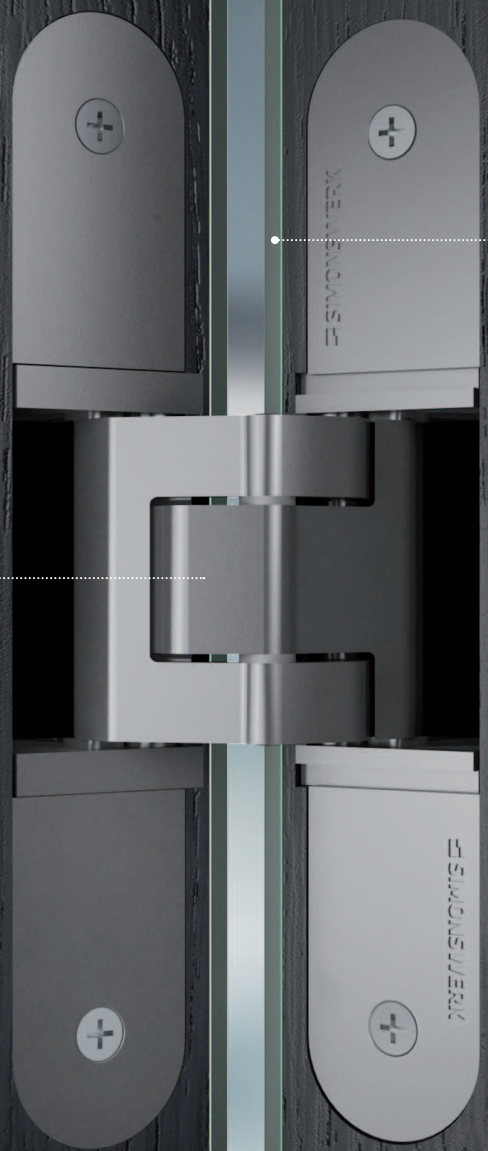
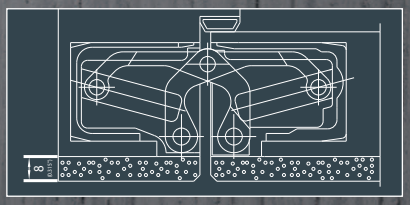
TECTUS® A8
CLADDING OVER THE DOOR AND FRAME

The TECTUS A8 models offer concealed hinges for applications where in the past it was only possible to use pivots to hang a door. The A8 versions allow a door to visually disappear into a wall with many different kinds of claddings such as mirrors, laminates and marble up to 8 mm (0.315“) in thickness. The TECTUS A8 hinges give designers new opportunities for integrating the door panel into a holistic room concept.



For claddings up to 8 mm (0.315") on door and frame

The use of different cladding materials such as wood, glass, etc. enables the door to visually disappear within a wall.



Load capacities up to 300 kg (661 lbs.)

TE 540 3D A8

For flush commercial doors with claddings up to 8 mm (0.315“)

Hinge		**up to 100 kg (220 lbs.)**

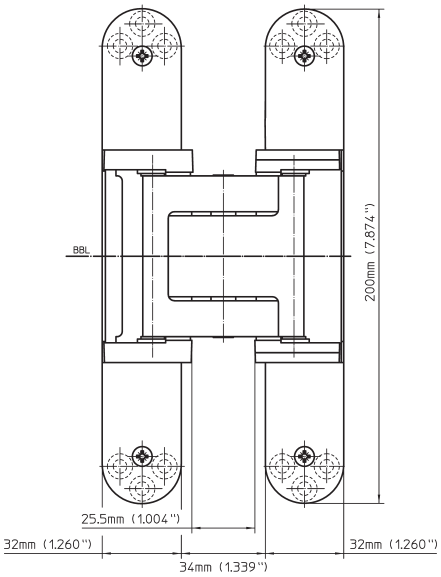
Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- Easily adjustable in three dimensions
  (side +/- 3.0 mm (0.118“), height +/- 3.0 mm (0.118“), compression +/- 1.0 mm (0.039“))
- Maintenance-free slide bearings
- UL listed for 20 minute fire door

The specification text can be downloaded from the PRODUCTSELECTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	100 kg (220 lbs.)
Length	200 mm (7.874“)
Width (door)	per 32/37 mm (1.260/1.457“)
Width (frame)	per 32/37 mm (1.260/1.457“)
Router bit / collar Ø	3/4“ / 1“

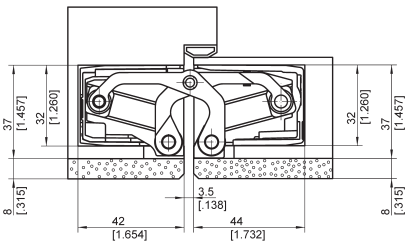


Finishes

satin chrome look (F1) (124), satin nickel look (F2) (125), stainless steel look (SSL) (126), rustic umber (156), bronze metallic (168), traffic white (RAL 9016) (070), matte deep black (RAL9005) (107), polished brass (030), polished nickel (038), satin nickel (144), satin chrome (146), bronze finish light (175), bronze finish (174), bronze finish dark (176), satin brass (047), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 540 3D FZ
	Steel frame	TE 540 3D A8 SZ
	Steel door	TE 540 3D A8 ST
	Aluminum frame	Specified by manufacturer



Installation Tools

Jig		Universal milling frame
Step 1	routing template	No. 5 251060 5
Step 2	routing template	No. 5 251061 5
Step 3	routing template	No. 5 251068 5
Step 3 (without cladding)	routing template	No. 5 251096 5

Application Range

Fire Resistant, Smoke Resistant, Soundproof, Forced Entry Resistant

Note

The load capacity mentioned above refers to the use of 2 hinges per door leaf with a height/width ratio of 2:1 (see page 46 for further detail).
For a minimum door panel thickness of 40 mm (1-5/8“ plus cladding).
Fire rated doors: Check with door manufacturer regarding the usage of additional required intumescent material.
Cover plates for doors without cladding are available upon request - see page 33.
Square-corner cover plates are available upon request - see page 34.

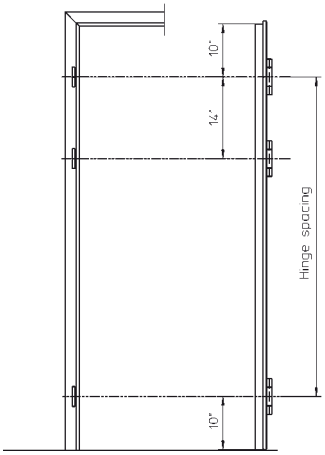
c UL us F20

HINGE POSITIONS

TECTUS Series

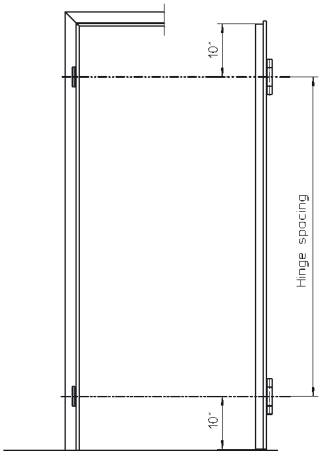
To increase the load capacity of the hinges, a third hinge needs to be positioned 14" below the upper hinge (center to center). The use of a third hinge in order to increase the load capacity has to be determined on a case by case basis. Our hinge data refers to a height/width ratio of the door of 2:1 or more. Please contact us for further information and see also the door manufacturers instructions.
Proper preparation and alignment as well as tension-free adjustment are crucial for a hassle-free operation!

Application with increased load capacity

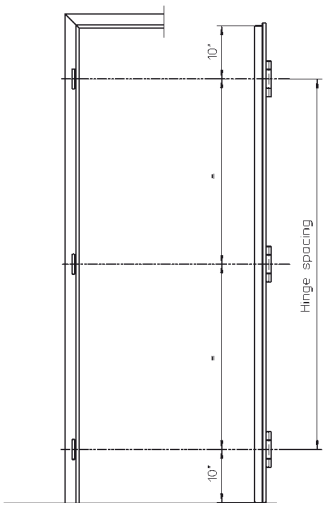


Examples for applications with different door heights

< 8 ft



≥ 8 ft



The hinge spacing does not increase the load capacity!
Note: We recommend for all exterior doors the use of three hinges.

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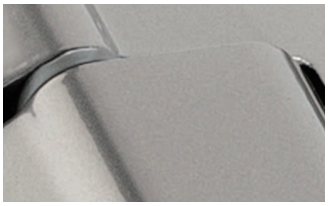
TECTUS® – Finishes

Powder Coated Finishes*

070 traffic white (RAL 9016)

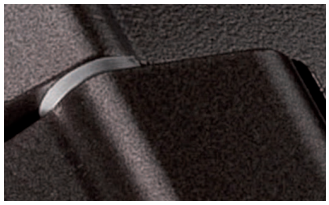
107 matte deep black (RAL 9005)

124 satin chrome look (F1)



125 satin nickel look (F2)

156 rustic umber

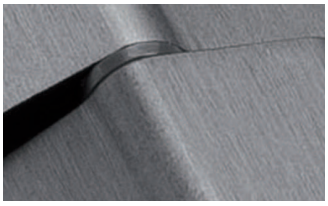


168 bronze metallic

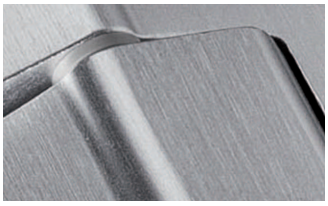
Galvanic Plated Finishes*

030 polished brass

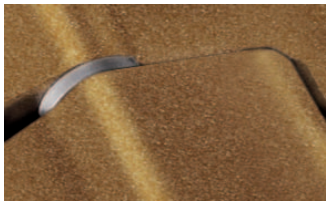
038 polished nickel



144 satin nickel

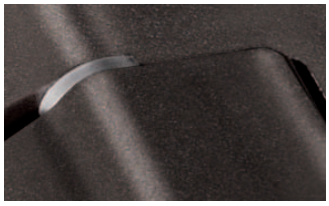


146 satin chrome

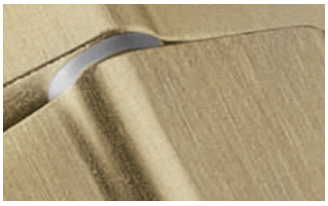


174 bronze finish

175 light bronze finish



176 dark bronze finish



047 satin brass

* The colors of the finishes shown may differ from the original.

Galvanic/Liquid Coated Finishes*

126 stainless steel look (SSL)