

## TE 340 3D

For flush residential and commercial doors

<b>Hinge</b>	<b>up to 80 kg (176 lbs.)</b>
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### Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush residential and commercial doors
- Finger protection due to a small gap between door and frame
- 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](http://www.simonswerk-usa.com).

### Technical Data

Load capacity	80 kg (176 lbs.)
Length	160 mm (6.299")
Width (door)	28 mm (1.102")
Width (frame)	28 mm (1.102")
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 340 3D FZ
	Steel frame	TE 340 3D SZ
	Steel door	TE 340 3D ST
	Aluminum frame	Specified by manufacturer

### Installation Tools

Jig	Universal milling frame	
Step 1	routing template	No. 5 251058 5
Step 2	routing template	No. 5 251059 5

### Application Range

Fire Resistant, Smoke Resistant, 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 38 mm (1-1/2").

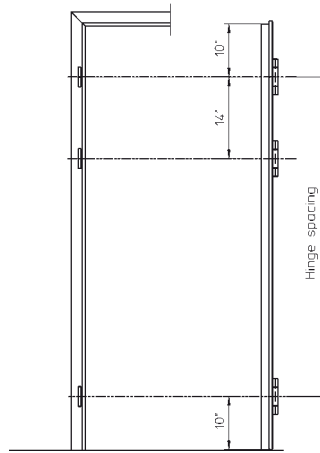
For fire rated doors: Check with door manufacturer regarding the usage of additional required intumescent material.

Square-corner cover plates are available upon request - see page 34.

**TECTUS Series**

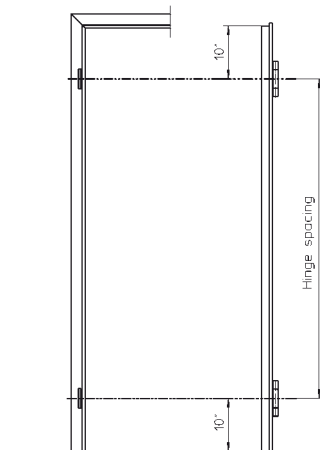
To increase the load capacity of the hinges, a third hinge needs to be positioned 14" below the upper hinge (center to center). The use of a third hinge in order to increase the load capacity has to be determined on a case by case basis. Our hinge data refers to a height/width ratio of the door of 2:1 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**

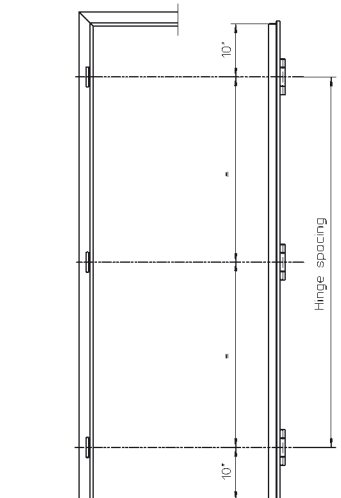


**Examples for applications with different door heights**

< 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.

# TECTUS® - Finishes

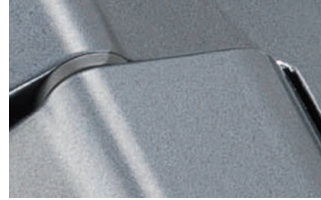
## Powder Coated Finishes\*



**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

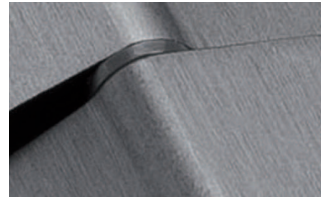
## Galvanic Plated Finishes\*



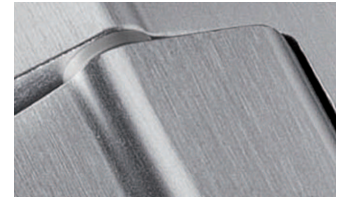
**030** polished brass



**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)