



## TE 540 3D Energy Kit

With integrated and continuous energy transfer for flush commercial doors

<b>Hinge</b>	<b>energy transfer</b>	<b>up to 120 kg (264 lbs.)</b>
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### Product Features

- Multiple connection adapter options
- 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](http://www.simonswerk-usa.com).

### Technical Data

Load capacity	120 kg (264 lbs.)
Length	200 mm (7.874")
Width (door)	32 mm (1.260")
Width (frame)	32 mm (1.260")
Router bit/collar Ø	3/4" / 1"
No. of wires/Wire cross section	16/0.14 mm <sup>2</sup>
Max. voltage	50 V (for voltages of 24 V or higher only with safeguarded power supply)
Max. current	0.8 A (per wire)

### Finishes

satin chrome look (F1) (124), stainless steel look (SSL) (126), other finishes available upon request

### Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 540 3D FZ
	Steel frame	TE 540 3D SZ
	Steel door	TE 540 3D ST
	Aluminum frame	Specified by manufacturer
Accessories		Round Cable 10m (393.701") Custom Adapter

### Installation Tools (in addition to templates for standard versions)

Routing for raceway	routing template	No. 5 251082 5
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### 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").

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.

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Kit includes two 3m (118.110") round cables.