

## TECTUS

### TE 527 3D Energy Kit

Manufactured of mild steel 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
- Mild steel
- 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 180 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	155 mm (6.102")
Width (door/frame)	26 mm (1.024")
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

stainless steel look (SSL) (126), other finishes available upon request

#### Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 527 3D FZ
	Steel frame	TE 527 3D SZ
	Steel door	TE 527 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, High Corrosion 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 34 mm (1-3/8").

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.

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

