



TE 640 3D

For flush high performance commercial doors

Hinge	up to 200 kg (440 lbs.)
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Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush high performance 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.

Technical Data

Load capacity	200 kg (440 lbs.)
Length	240 mm (9.449")
Width (door)	32 mm (1.260")
Width (frame)	32 mm (1.260")
Router bit / collar Ø	3/4" / 1"

Finishes

Standard Finishes: satin chrome look (F1), satin nickel look (F2), stainless steel look (SSL), rustic umber, bronze metallic, traffic white (RAL 9016), matte deep black (RAL 9005), polished brass, polished nickel, satin nickel, satin chrome
Special Finishes: grey metallic (F9), bronze finish light, bronze finish, bronze finish dark, other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 640 3D FZ/1
	Steel frame	TE 640 3D SZ
	Steel door	TE 640 3D ST
	Aluminum frame	Specified by manufacturer

Installation Tools

Jig	Universal milling frame	
Step 1	routing template	No. 5 251062 5
Step 2	routing template	No. 5 251063 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").
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.
The load capacity shall be reduced by 20% when installed in combination with a door closer.

