TECTUS®

TE 540 3D A8

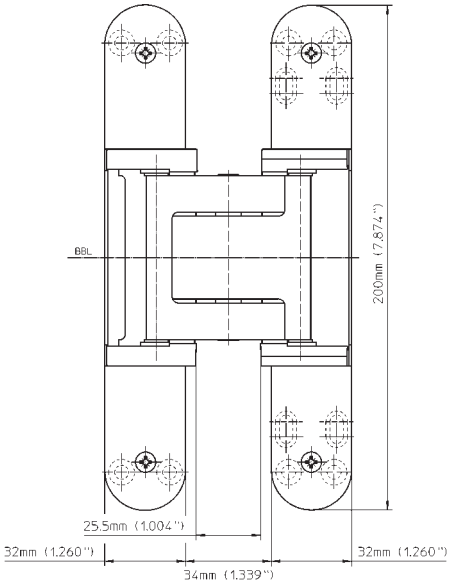
For flush commercial doors with claddings up to 8 mm (0.315“)

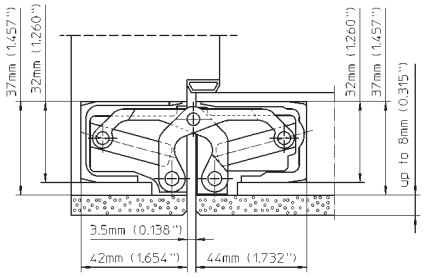
Hinge		**up to 100 kg (220 lbs.)**

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

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 540 3D FZ/1
	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.

UL **F20**