It all hinges on excellence.

SIMONSWERK



TECTUS®

The adjustable concealed door hinge

Product Overview

TECTUS® – The adjustable concealed door hinge

TECTUS® – Design meets function

TECTUS enables the optimal integration of flush doors in straight line and flush surfaces for contemporary clean designs. The completely concealed hinge system TECTUS accepts load capacities up to 300 kg (661 lbs.), enables an opening angle of 180 degrees, and can be used on wood, steel and aluminum doors and frames. The three-dimensional adjustability and maintenance free slide bearing technology of TECTUS hinge systems can be used for high-quality residential and commercial doors.

Features at a glance

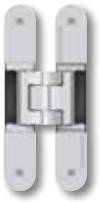
- For load capacities up to 300 kg (661 lbs.)
- 3-way adjustable
- 16 standard architectural finishes available
- Select models available in 304 and 316 solid stainless steel

TECTUS® – A full range of concealed hinges



TE 240 3D

Load capacities up to 60 kg (132 lbs.)



TE 340 3D

Load capacities up to 80 kg (176 lbs.)

UL listed for 20 minute fire door



TE 526 3D

Made of solid stainless steel

Load capacities up to 120 kg (264 lbs.)

UL listed for 180 minute fire door



TE 527 3D

Made of solid steel

Load capacities up to 120 kg (264 lbs.)

UL listed for 180 minute fire door



TE 540 3D

Load capacities up to 120 kg (264 lbs.)

UL listed for 20 minute fire door



TE 640 3D

Load capacities up to 200 kg (441 lbs.)

UL listed for 20 minute fire door



TE 645 3D

Load capacities up to 300 kg (661 lbs.)

TECTUS® – Model versions for special applications



TECTUS® A8

Allows cladding thickness on the door and frame up to 8 mm (5/16")

Door panel can be opened a full 180 degrees

3 sizes for load capacities up to 300 kg (661 lbs.)



TECTUS® BW/1

Mounting bracket TECTUS

For commercial frames

Claddings up to 20 mm (3/4")

For load capacities of 160 kg (352 lbs.) in combination with TE 626 3D A8

For load capacities of 120 kg (264 lbs.) in combination with TE 640 3D A8



TECTUS® FVZ

Allows frame to be recessed up to 14 mm (0.551") inside a finished wall for a door flush with the wall's surface

For load capacities up to 100 kg (220 lbs.)



TECTUS® FIRE RATED

Models UL 10C listed up to 180 minutes

TECTUS® Energy – Integrated and continuous energy transfer

Today's modern and efficient buildings often require the ability to control and operate doors remotely. This requires the transfer of electrical power and information from door frames to door panels. The TECTUS Energy Series provides a sophisticated way to utilize this technology when card readers, access and door control systems, electrified locks, monitoring systems, and multimedia components are installed. The cable with its 16 wires is completely concealed behind the hinge arms to prevent unauthorized tampering and has successfully passed a 1 million cycle test. The TECTUS Energy hinge is available in a variety of sizes to accommodate different door panel weights. Different adapters for simple reverse polarity protected plug connection are available.



TECTUS® Energy

With integrated and permanent energy transfer

Load capacities from 60 to 300 kg (132 – 661 lbs.)

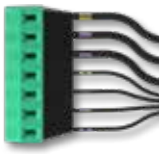
Round cable

Plug connector and open ended cable with 3 m (9.8") or 10 m (32.8") length



Universal adapter

Plug connector and direct screw terminal block connector



Custom Adapters

Available upon request



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