



SIMONSWERK TECTUS®

**Nuevas variantes
de modelos**

El sistema de bisagras
totalmente ocultas

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TE 240 3D

Para puertas de paso solapadas de montaje al ras y para puertas de paso no solapadas.

Bisagra	hasta 40 kg
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Datos técnicos

Carga admisible	40,0 kg
Largo (hoja/marco)	155,0/155,0 mm
Anchura (hoja/marco)	18,0/21,0 mm
Diámetro de fresado	16,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 240 3D. Completamente oculta para puertas no solapadas y para puertas solapadas con montaje al ras con marcos de madera, acero y aluminio. Carga admisible 40 kg, ángulo de apertura de hasta 180°, largo total 155 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1,5 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 240 3D FZ 1/N
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 240 3D SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Marco: N.º 5 250691 6 Hoja : N.º 5 250692 6

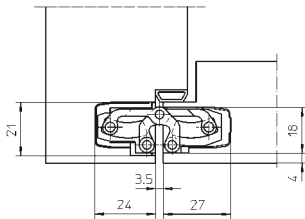
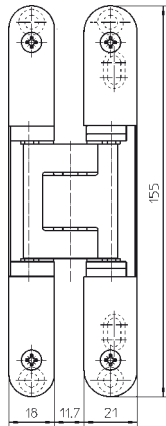
Información detallada sobre las variantes en www.bandsysteme.com

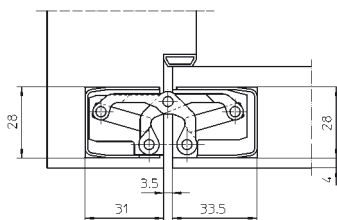
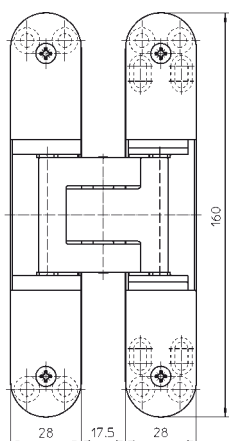
Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

Nota

Gracias a la estrecha ranura que queda entre la hoja y el marco, el riesgo de pillarse los dedos es mínimo.





TE 340 3D

Para puertas de paso no solapadas con marcos huecos.

Bisagra hasta 80 kg

Datos técnicos

Carga admisible	80,0 kg
Largo (hoja/marco)	160,0/160,0 mm
Anchura (hoja/marco)	28,0/28,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 340 3D. Completamente oculta para puertas no solapadas con marcos de madera, acero y aluminio. Con cómoda regulación en tres sentidos, carga admisible 80 kg, ángulo de apertura de hasta 180°, largo total 160 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 340 3D FZ 1/N
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 340 3D SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Nivel 1: N.º 5 250693 5
	Nivel 2: N.º 5 250694 5

Información detallada sobre las variantes en www.bandsysteme.com

Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

Nota

Gracias a la estrecha ranura que queda entre la hoja y el marco, el riesgo de pillarse los dedos es mínimo.

Sellos de calidad



181761

TE 540 3D

Para puertas funcionales y puertas para proyectos no solapadas.

Bisagra		hasta 120 kg
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Datos técnicos

Carga admisible	120,0 kg
Largo (hoja/marco)	200,0/200,0 mm
Anchura (hoja/marco)	32,0/32,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 540 3D. Completamente oculta para puertas no solapadas con marcos de madera, acero y aluminio. Con cómoda regulación en tres sentidos, carga admisible 80 kg, ángulo de apertura de hasta 180°, largo total 160 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 540 3D FZ/1
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 540 3D SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Nivel 1: N.º 5 250680 5
	Nivel 2: N.º 5 250681 5

Información detallada sobre las variantes en www.bandsysteme.com

Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

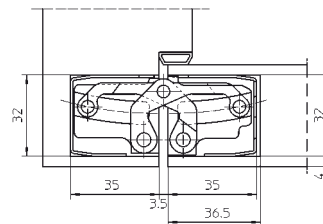
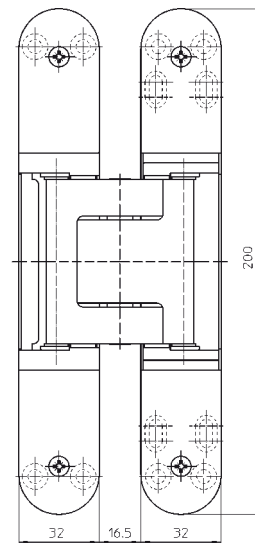
Nota

Gracias a la estrecha ranura que queda entre la hoja y el marco, el riesgo de pillarse los dedos es mínimo.

Ámbito funcional

Protección contra incendios y humos. Aislamiento acústico. Protección antirrobo.

Sellos de calidad





TE 640 3D

Para puertas funcionales y puertas para proyectos pesadas y no solapadas.

Bisagra	hasta 200 kg
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Datos técnicos

Carga admisible	200,0 kg
Largo (hoja/marco)	240,0/240,0 mm
Anchura (hoja/marco)	32,0/32,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 640 3D. Completamente oculta para puertas no solapadas con marcos de madera, acero y aluminio. Con cómoda regulación en tres sentidos, carga admisible 120 kg, ángulo de apertura de hasta 180°, largo total 200 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 640 3D FZ/1
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 640 3D SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Nivel 1: N.º 5 250659 5
	Nivel 2: N.º 5 250689 5

Información detallada sobre las variantes en www.bandsysteme.com

Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

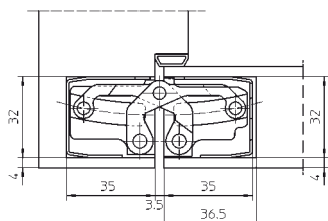
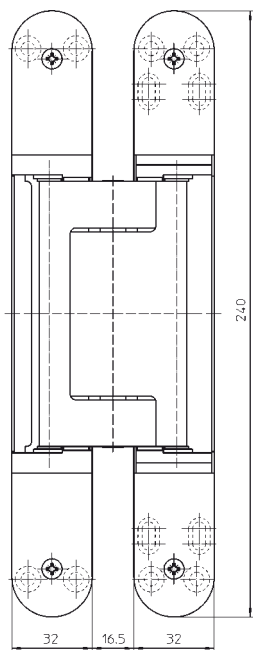
Nota

Gracias a la estrecha ranura que queda entre la hoja y el marco el, riesgo de pillarse los dedos es mínimo.

Ámbito funcional

Protección contra incendios y humos. Aislamiento acústico. Protección antirrobo.

Sellos de calidad



TE 540 3D A8

Para puertas funcionales y puertas para proyectos no solapadas con revestimientos decorativos de hasta 8 mm.

Bisagra	hasta 100 kg
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Datos técnicos

Carga admisible	100,0 kg
Largo (hoja/marco)	200,0/200,0 mm
Anchura (hoja/marco)	32,0/37,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 540 3D A8 para puertas con un revestimiento decorativo de hasta 8 mm. Completamente oculta para puertas no solapadas con marcos de madera, acero y aluminio. Carga admisible 100 kg, ángulo de apertura de hasta 180°, largo total 200 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 540 3D FZ/1
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 540 3D A8 SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco
Accesorios	Juego de placas	TE 540/640 3D A8 con radio

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Nivel 1: N.º 5 250680 5
	Nivel 2: N.º 5 250681 5
	Nivel 3: N.º 5 250682 5
	Nivel 1: N.º 5 250680 5 (sin revestimiento especial)
	Nivel 2: N.º 5 250681 5 (sin revestimiento especial)
	Nivel 3: N.º 5 250687 5 (sin revestimiento especial)

Información detallada sobre las variantes en www.bandsysteme.com

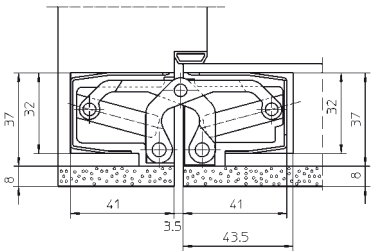
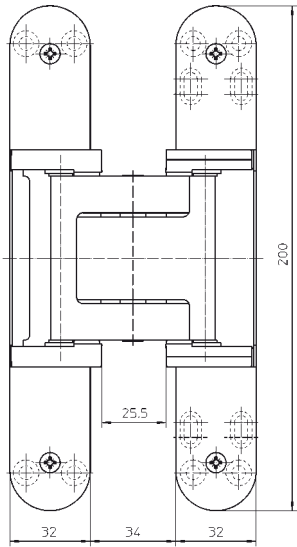
Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

Ámbito funcional

Protección contra incendios y humos. Aislamiento acústico. Protección antirrobo.

Sellos de calidad





TE 640 3D A8

Para puertas funcionales y puertas para proyectos no solapadas con revestimientos decorativos de hasta 8 mm.

Bisagra	hasta 160 kg
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Datos técnicos

Carga admisible	160,0 kg
Largo (hoja/marco)	240,0/240,0 mm
Anchura (hoja/marco)	32,0/37,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 640 3D A8 para puertas con un revestimiento decorativo de hasta 8 mm. Completamente oculta para puertas pesadas no solapadas con marcos de madera, acero y aluminio. Carga admisible 160 kg, ángulo de apertura de hasta 180°, largo total 240 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3 mm, en altura +/- 3 mm, en profundidad +/- 1 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 640 3D FZ/1
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 640 3D A8 SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco
Accesorios	Juego de placas	TE 540/640 3D A8 con radio

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
Plantilla para el marco de fresado universal	Nivel 1: N.º 5 250659 5
	Nivel 2: N.º 5 250689 5
	Nivel 3: N.º 5 250690 5
	Nivel 1: N.º 5 250659 5 (sin revestimiento especial)
	Nivel 2: N.º 5 250689 5 (sin revestimiento especial)
	Nivel 3: N.º 5 250688 5 (sin revestimiento especial)

Información detallada sobre las variantes en www.bandsysteme.com

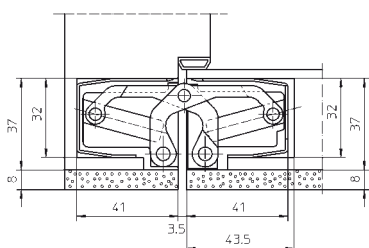
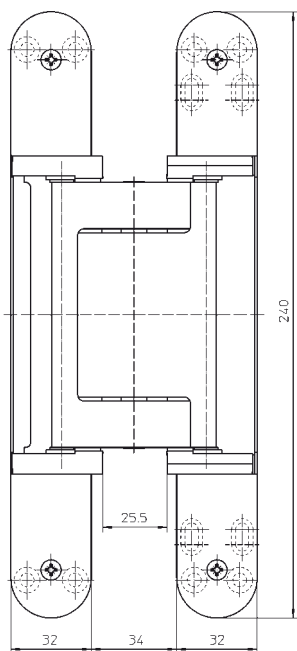
Gama de colores

Acabado similar a inox., color F1, color F2, niquelado pulido, latonado pulido, otros colores.

Ámbito funcional

Protección contra incendios y humos. Aislamiento acústico. Protección antirrobo.

Sellos de calidad



TE 525 3D

De acero inoxidable macizo, para puertas funcionales y puertas para proyectos no solapadas.

Bisagra		hasta 100 kg
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Datos técnicos

Carga admisible	100,0 kg
Largo (hoja/marco)	155,0/155,0 mm
Anchura (hoja/marco)	26,0/26,0 mm
Diámetro de fresado	24,0 mm

Texto descriptivo

Bisagra SIMONSWERK TECTUS TE 525 3D de acero inoxidable macizo. Completamente oculta para puertas no solapadas con marcos de madera, acero y aluminio. Certificado UL, carga admisible 100 kg, ángulo de apertura hasta 180°, largo total 155 mm, utilizable indistintamente a derechas e izquierdas, técnica de rodamientos libre de mantenimiento, regulación en tres sentidos: lateralmente +/- 3,0 mm, en altura +/- 3,0 mm, en profundidad +/- 1,0 mm. Gama de colores...

Combinaciones

Fijación	Marco macizo	Atornillado directo
	Marco hueco	TE 525 3D FZ/1
	Marco embellecedor	Atornillado directo
	Marco de acero	TE 525 3D SZ
	Marco de aluminio	Según las prescripciones del fabricante del marco
Accesorios	Juego de cables	TE 525 3D MK

Véase páginas 13 y 14.

Técnicas de fijación

Plantilla	Marco de fresado universal
	Plantilla de taladrado TE 525 3D
Plantilla para el marco de fresado universal	Marco/Hoja : N.º 5 250547 6

Información detallada sobre las variantes en www.bandsysteme.com

Gama de colores

Acero inoxidable cepillado mate.

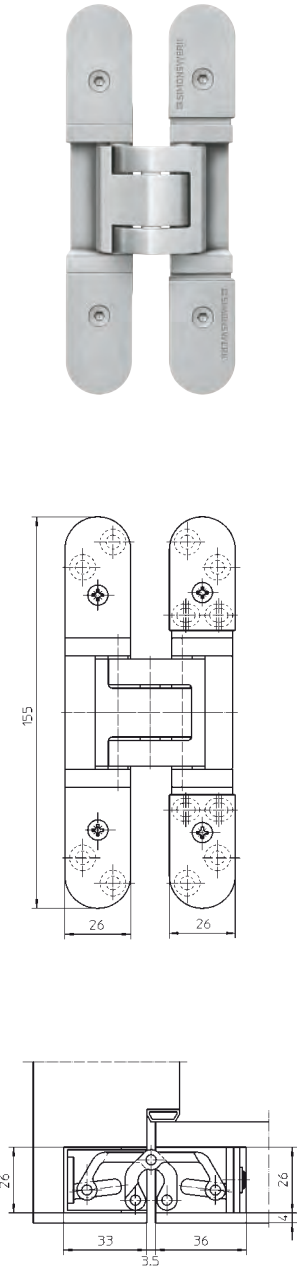
Nota

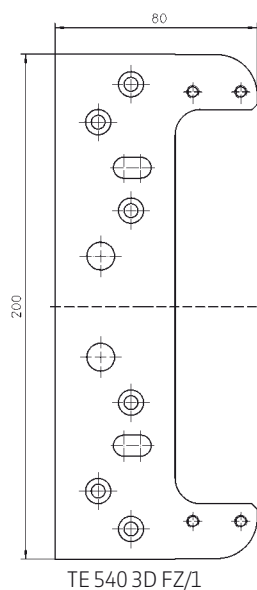
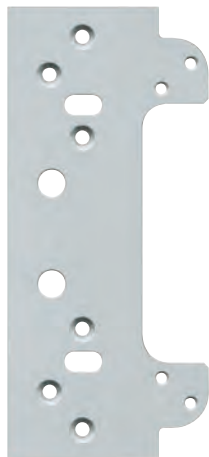
Gracias a la estrecha ranura que queda entre la hoja y el marco, el riesgo de pillarse los dedos es mínimo.

Ámbito funcional

Protección contra incendios y humos. Aislamiento acústico. Protección antirrobo.

Sellos de calidad





Placa de fijación Serie TECTUS

Para puertas de paso y puertas para proyectos no solapadas con marcos huecos.

Fijación

Marco hueco

Texto descriptivo

SIMONSWERK Placa de fijación TECTUS TE ... 3D FZ/1 para marcos huecos con la bisagra TECTUS TE ... 3D en puertas solapadas y no solapadas. Gama de colores...

Combinaciones

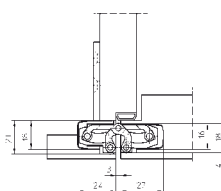
Bisagra	TE 240 3D
	TE 340 3D
	TE 525 3D
	TE 540 3D
	TE 640 3D
	TE 540 3D A8
	TE 640 3D A8

Gama de colores

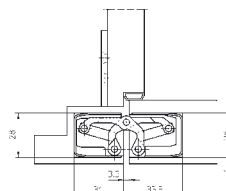
Cincado.

Nota

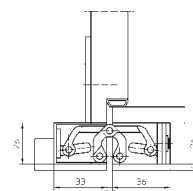
El suministro incluye placas distanciadoras para marcos huecos de entre 22 y 28 mm de espesor. Al realizar el pedido indicar por favor la denominación exacta de la bisagra.



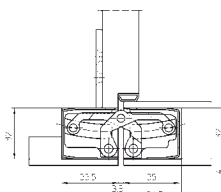
TE 240 3D con
TE 240 3D FZ/1



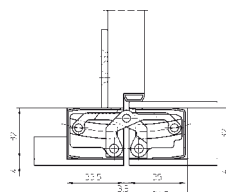
TE 340 3D con
TE 340 3D FZ/1



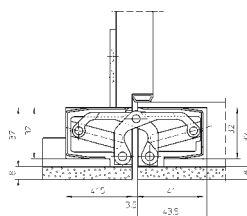
TE 525 3D con
TE 525 3D FZ/1



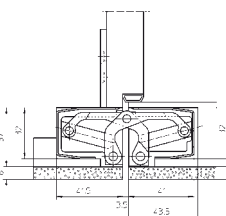
TE 540 3D con
TE 540 3D FZ/1



TE 640 3D con
TE 640 3D FZ/1



TE 540 3D A8 con
TE 540 3D FZ/1



TE 640 3D A8 con
TE 640 3D FZ/1

Elemento de fijación Serie TECTUS

Para puertas de paso y puertas para proyectos no solapadas con marcos de acero.

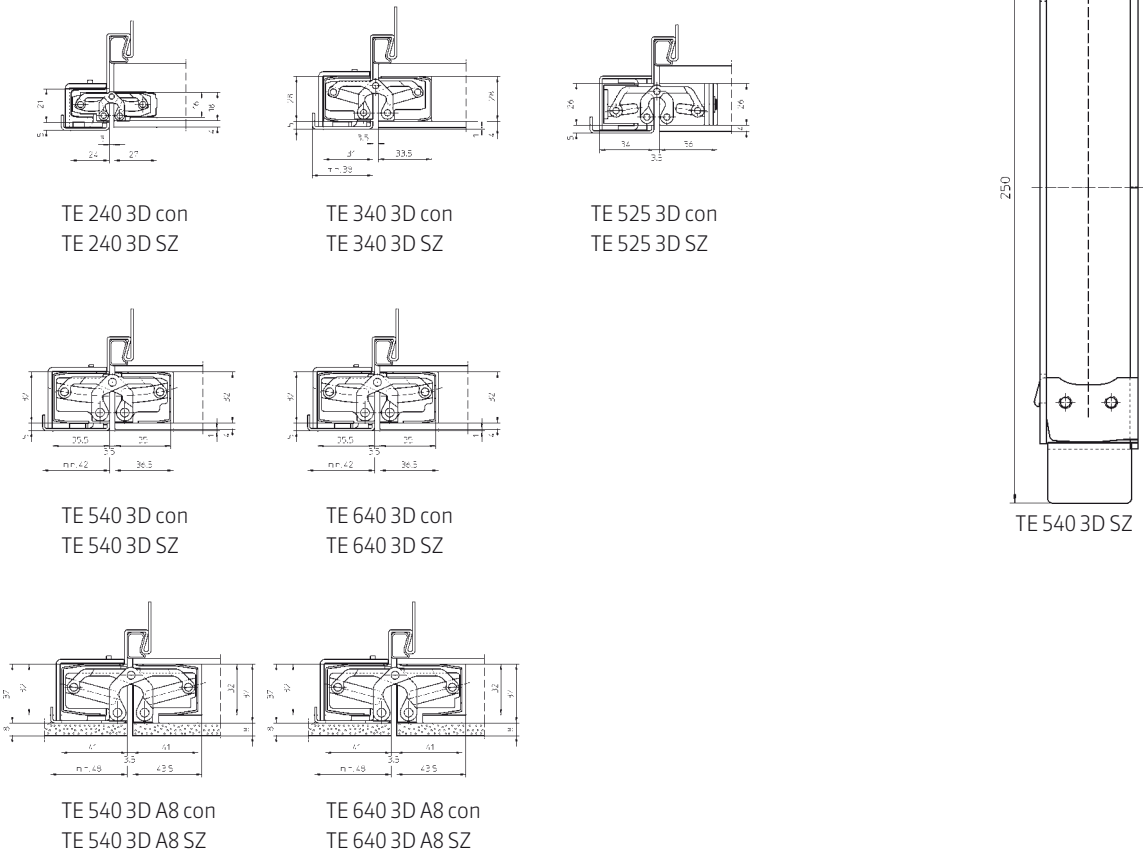
Fijación	Marco de acero
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Texto descriptivo
SIMONSWERK Elemento de fijación TECTUS TE ... 3D SZ para marcos de acero con la bisagra TECTUS TE ... 3D para puertas no solapadas. Gama de colores...

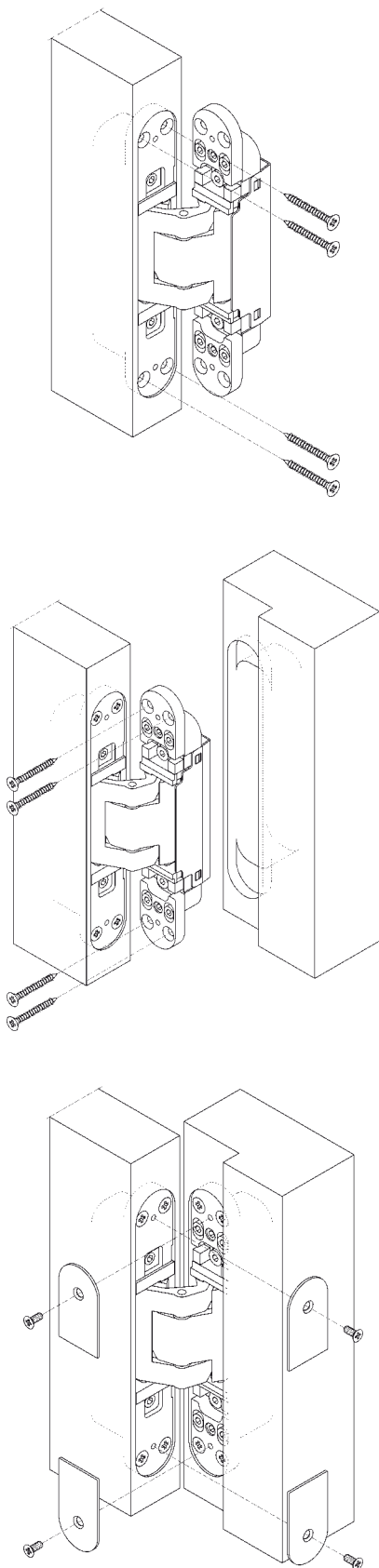
Combinaciones	
Bisagra	TE 240 3D TE 340 3D TE 525 3D TE 540 3D TE 640 3D TE 540 3D A8 TE 640 3D A8

Gama de colores
Cincado, acero inoxidable sin tratar/en bruto.

Nota
Al realizar el pedido indicar por favor la denominación exacta de la bisagra y el tipo de acabado deseado.



MONTAJE

**Serie TECTUS****HOJA**

Atornillar la bisagra en la hoja utilizando tornillos para madera.

MARCO**Marco macizo**

Realizar los fresados con broca de Ø 24 mm (TE 240 3D broca de 16 mm Ø), y utilizando una arandela de tope de Ø 30 mm atornillar la parte de la bisagra que va a la hoja con tornillos para madera de Ø 5 mm.

Marco hueco

Para la estabilización es preciso utilizar una placa de fijación complementaria. Colocar la placa de fijación en la parte posterior. Atornillar la bisagra a la placa de fijación utilizando los tornillos de M5 adjuntos.

Marco de acero

Atornillar la parte de la bisagra que va al marco con el elemento de fijación previamente preparado utilizando los tornillos de M5 adjuntos.

Atornillar las placas sobre la parte de la hoja y del marco utilizando los tornillos de rosca cortante adjuntos.

INDICACIONES DE REGULACIÓN

Serie TECTUS

Regulación en tres sentidos, no escalonada

Lateralmente	+/- 3,0 mm
En altura	+/- 3,0 mm
En profundidad	+/- 1,0 mm

Regulación lateral

- Ajustar el anillo regulador con una llave Allen
- Girar hacia la izquierda - hacia el lado de la bisagra (máx. 3 mm)
- Girar hacia la derecha - hacia el lado de la cerradura (máx. 3 mm)

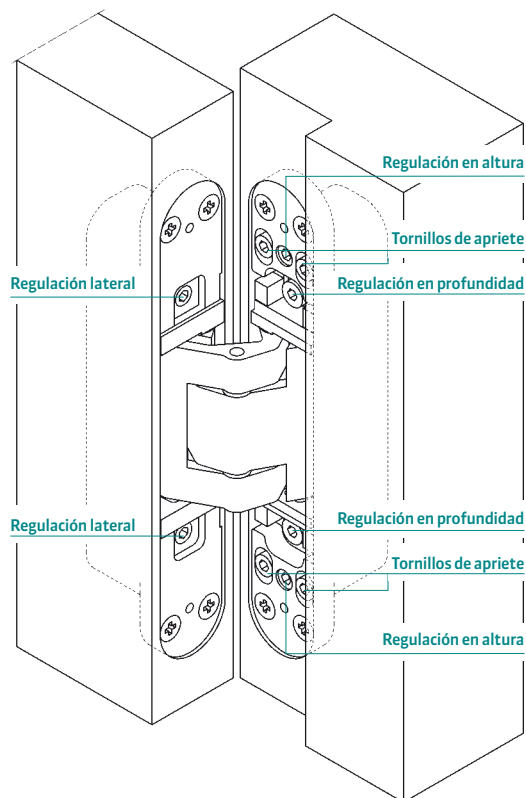
Regulación en altura

- Soltar ligeramente los tornillos de apriete
- Ajustar la puerta en posición vertical mediante el tornillo de ajuste inferior (en caso preciso girar hacia atrás el tornillo superior)
- Apretar los tornillos de apriete

Regulación en profundidad

- Soltar ligeramente los tornillos de apriete
- Colocar la puerta a la profundidad deseada
- Volver a apretar los tornillos de apriete

Todas las regulaciones se realizan con una llave Allen de 4 mm.

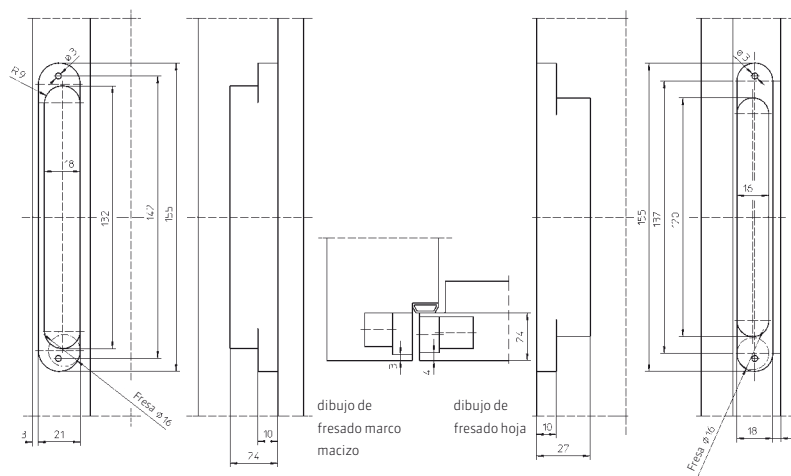


FÓRMULAS DE CÁLCULO

Cálculo de las dimensiones de fresado para marcos de madera

TE 240 3D

Realizar los agujeros con broca de Ø 16 mm utilizando una arandela de tope de Ø 30 mm y el marco de fresado universal con las plantillas de fresado n.º 5 250691 6 (para el marco) y n.º 5 250692 6 (para la hoja).

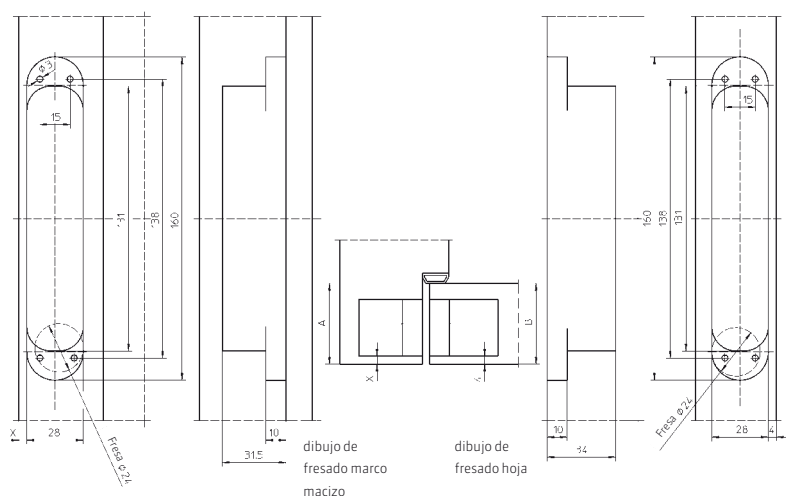


TE 340 3D

A = Altura del marco hasta el nivel de la junta
B = Grosor de la hoja de la puerta y de la 1ª solapa de la puerta respectivamente
 $A - B + 4 = \text{Cota X}$

El resultado debe arrojar una cota entre 4,0 mm y máx. 7,0 mm. (Marco de acero: X = 5 mm)

Realizar los agujeros con broca de Ø 24 mm utilizando una arandela de tope de Ø 30 mm y el marco de fresado universal con las plantillas de fresado n.º 5 250693 5 (nivel 1) y n.º 5 250694 5 (nivel 2).

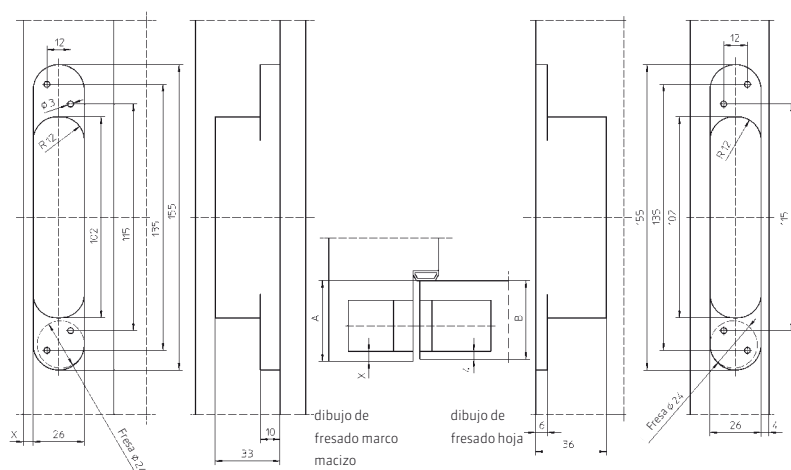


TE 525 3D

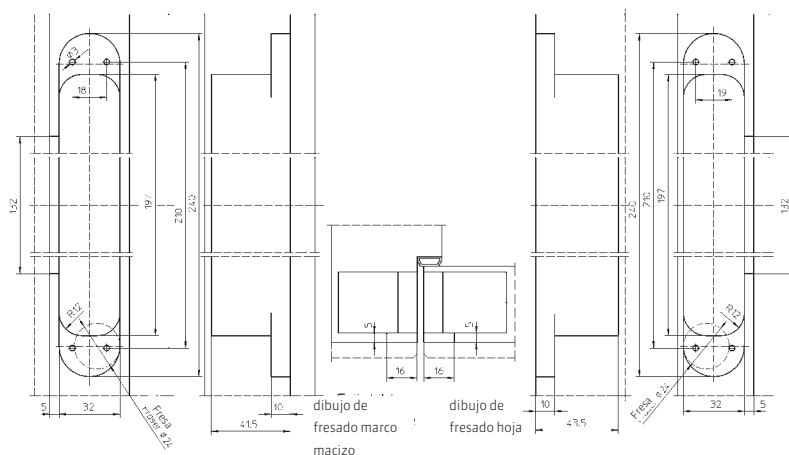
A = Altura del marco hasta el nivel de la junta
B = Grosor de la hoja de la puerta y de la 1ª solapa de la puerta respectivamente
 $A - B + 4 = \text{Cota X}$

El resultado debe arrojar una cota entre 4,0 mm y máx. 6,5 mm. (Marco de acero: X = 5,0 mm)

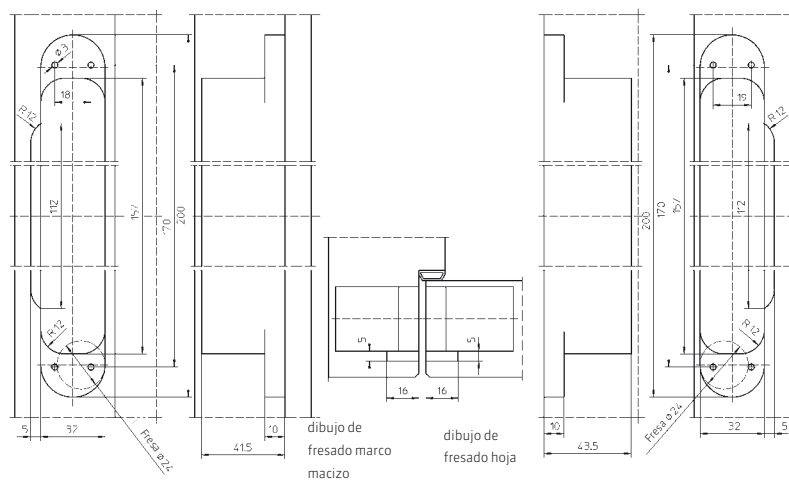
Realizar los agujeros con broca de Ø 24 mm utilizando una arandela de tope de Ø 30 mm y el marco de fresado universal con la plantilla de fresado n.º 5 250547 6.



FÓRMULAS DE CÁLCULO

**TE 640 3D A8**

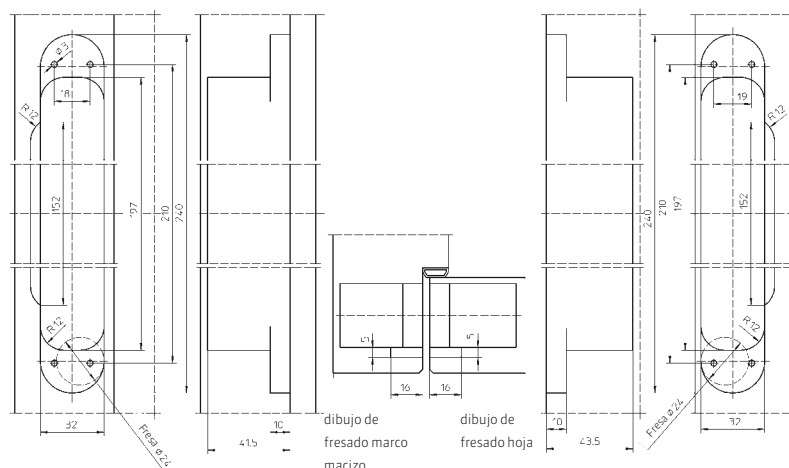
Realizar los agujeros con broca de $\varnothing 24$ mm utilizando una arandela de tope de $\varnothing 30$ mm y el marco de fresado universal con las plantillas de fresado n.º 5 250659 5 (nivel 1), n.º 5 250689 5 (nivel 2) y n.º 5 250690 5 (nivel 3).

**TE 540 3D A8** (Sin revestimiento especial)

A = Altura del marco hasta el nivel de la junta
B = Grosor de la hoja de la puerta y de la 1ª solapa de la puerta respectivamente
 $A - B + 4 = \text{Cota X}$

El resultado debe arrojar una cota entre 4,0 mm y máx. 6,0 mm. (Marco de acero: X = 5,0 mm)

Realizar los agujeros con broca de $\varnothing 24$ mm utilizando una arandela de tope de $\varnothing 30$ mm y el marco de fresado universal con las plantillas de fresado n.º 5 250680 5 (nivel 1), n.º 5 250681 5 (nivel 2) y n.º 5 250687 5 (nivel 3).

**TE 640 3D A8** (Sin revestimiento especial)

A = Altura del marco hasta el nivel de la junta
B = Grosor de la hoja de la puerta y de la 1ª solapa de la puerta respectivamente
 $A - B + 4 = \text{Cota X}$

El resultado debe arrojar una cota entre 4,0 mm y máx. 6,0 mm. (Marco de acero: X = 5,0 mm)

Realizar los agujeros con broca de $\varnothing 24$ mm utilizando una arandela de tope de $\varnothing 30$ mm y el marco de fresado universal con las plantillas de fresado n.º 5 250659 5 (nivel 1), n.º 5 250689 5 (nivel 2) y n.º 5 250688 5 (nivel 3).

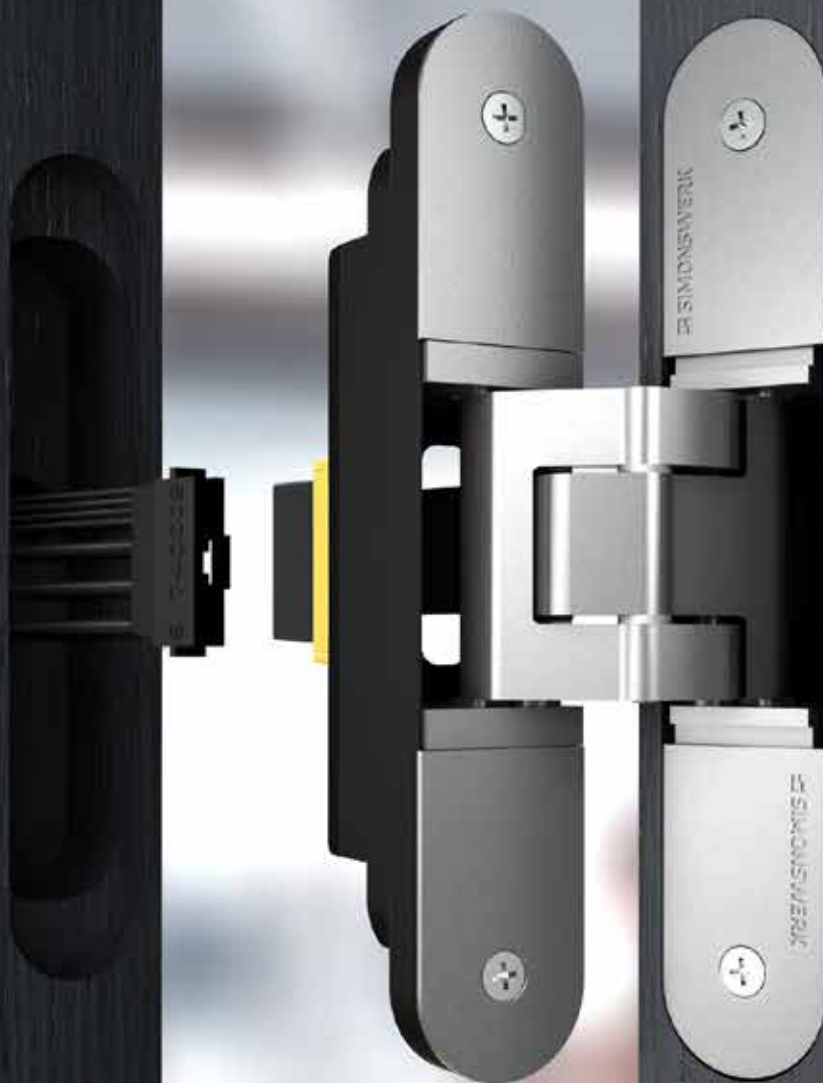
TECTUS® ENERGY

Integrated and permanent energy transfer

distributed in North America by :



1-800-362-1484
www.BridgeportWorldwide.com



TECTUS® ENERGY – STATE-OF-THE-ART ENERGY TRANSFER

TECTUS Energy enables permanent energy transfer, without compromising on the design aspect of surface-flush appearances. TECTUS Energy combines design, function and technology in an exemplary way and creates opportunities for new ideas.

For fitting and operating electronic components in high-quality heavy duty doors, the safe and permanent energy transfer is decisively important. TECTUS Energy secures the door leaf and permanently provides energy from the side of the frame without weakening the door or frame geometry. The technology provided together with TECTUS Energy offers compatibility with all standard versions of locks and fittings, while retaining all technical and optical features of the TECTUS product brand.

SAFE, INVISIBLE, RELIABLE

The energy transfer is completely concealed, because it is 100 % integrated into the hinge system: no visible cable loops, no pinching through inattentive handling, no vandalism. Once it has been fitted and professionally commissioned, the energy transfer runs through the interior of the hinge system.



OPTIMISED FUNCTION AND APPLICATION

If energy is meant to flow invisibly, safely and reliably, it requires a fine and precise adjustment of the individual functional units.

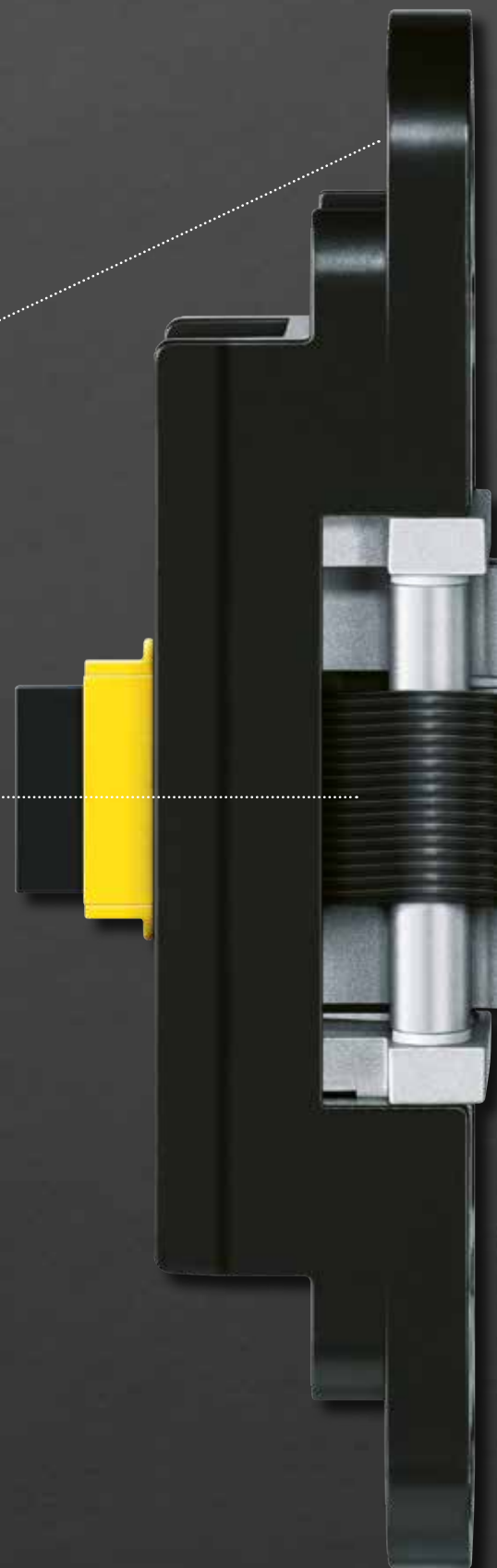
With the different components, hinge, special plug and flat ribbon cable coordinated with each other, TECTUS Energy can now be more conveniently mounted. For the initial commissioning of the system it simply has to be clicked together – and it is dismantled in the same way in the event of any possible retrofitting.

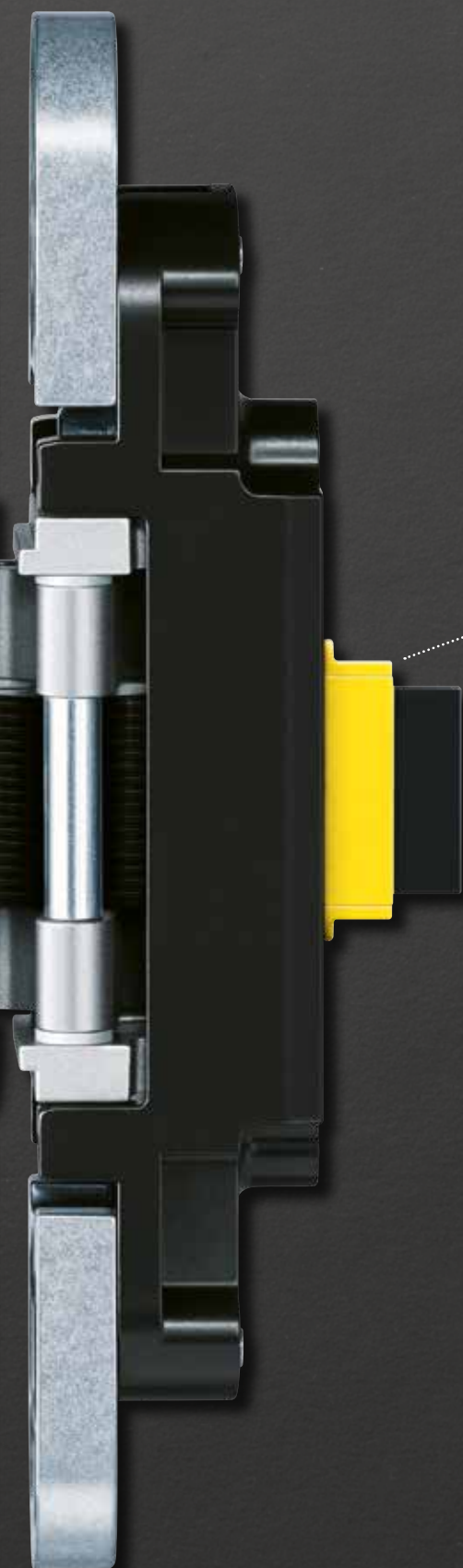
TECTUS® HINGE

- › all versions TE 240 3D – TE 645 3D
- › load capacities from 40 – 300 kg
- › also for model variants with claddings of up to 8 mm
- › stainless steel version available

FLAT RIBBON CABLE

- › 16-pole flat ribbon cable
- › completely stored in the housing



**CLIP**

- › fixed connection of cable and hinge housing
- › high functional safety and practical usefulness thanks to integrated system

SPECIAL PLUG

- › special plug connection
- › latch protected against polarity reversal for safely coupling and decoupling

MAXIMUM COMPATIBILITY THROUGH INDIVIDUAL ADAPTERS

Thanks to its new connection technology, the TECTUS Energy hinge system is more user-friendly and efficient. All necessary components, from the adapter on the frame and the hinge, right through to the adapter on the leaf, they are perfectly coordinated with each other in terms of the combination possibilities and compatible with each other.

Choose between a normal round cable in different lengths, a universal adapter and connection possibilities specially designed for specific applications, to secure the ideal solution for your requirement. All three plug connections are torsion-proof and fitted with a latch for locking and unlocking.



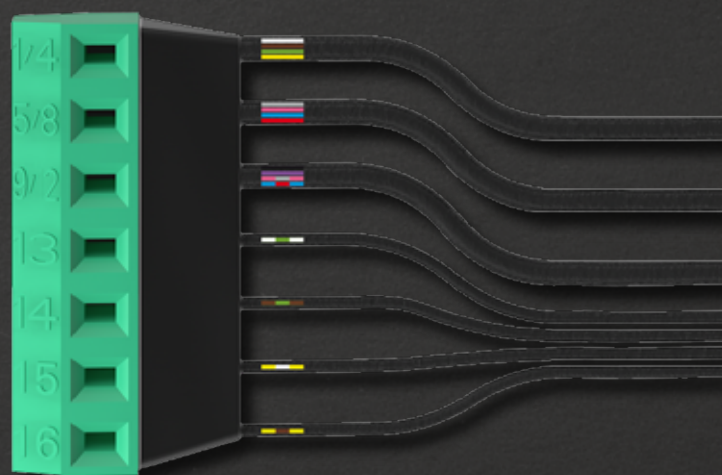
Please order the corresponding adapter for frame and door each separately.

ROUND CABLE

- › 16 x 0.8 A power
- › universal use for all applications
- › cable lengths 3 m or 10 m
- › torsion-proof and snap-fitting connection system

**UNIVERSAL ADAPTER**

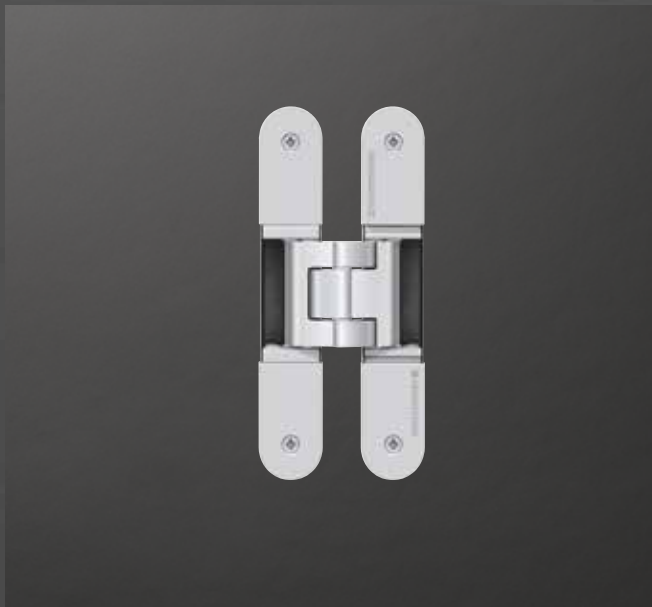
- › 3 x 3.2 A and 4 x 0.8 A power
(see schematic presentation)
- › universal adapter for direct connection
of different power collectors
- › torsion-proof and snap-fitting connection system

**ADAPTER 1**

- › 3 x 3.2 A and 4 x 0.8 A power
- › special adapter for connecting
FUHR motor locks
- › plug-and-play version
- › torsion-proof and snap-fitting connection system

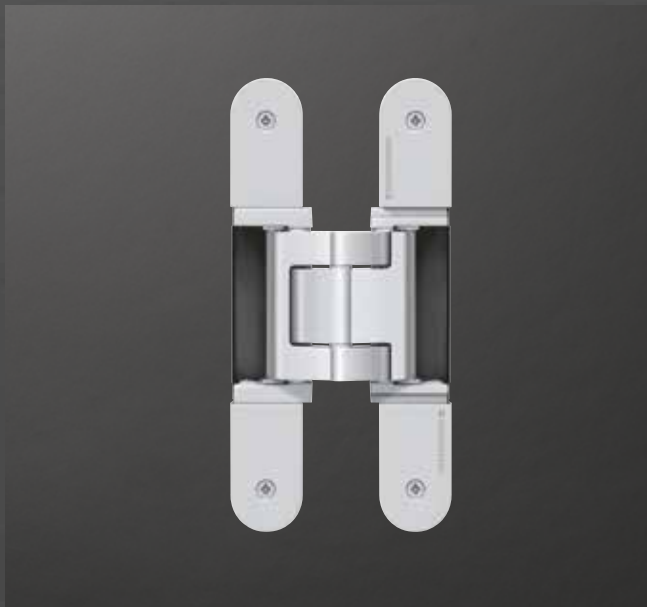


TECTUS® ENERGY FOR SPECIAL FIELDS OF APPLICATION



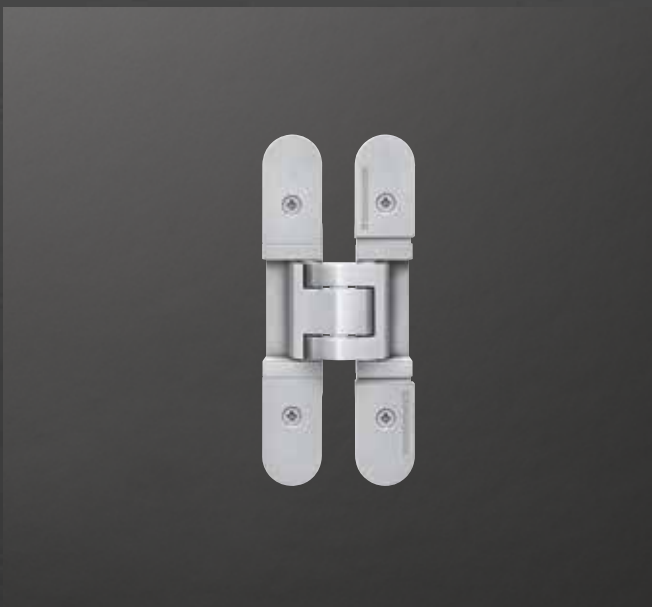
TECTUS® Energy

The hinge is available in the versions TE 240 3D to TE 640 3D.



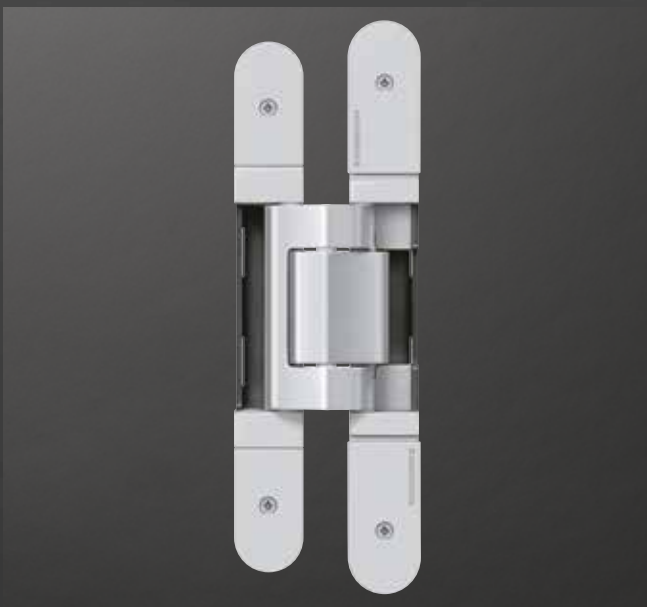
TECTUS® TE 540 / TE 640 3D A8 Energy

The model variants “A8” allow for claddings of up to 8 mm on door and frame.



TECTUS® TE 526 Energy

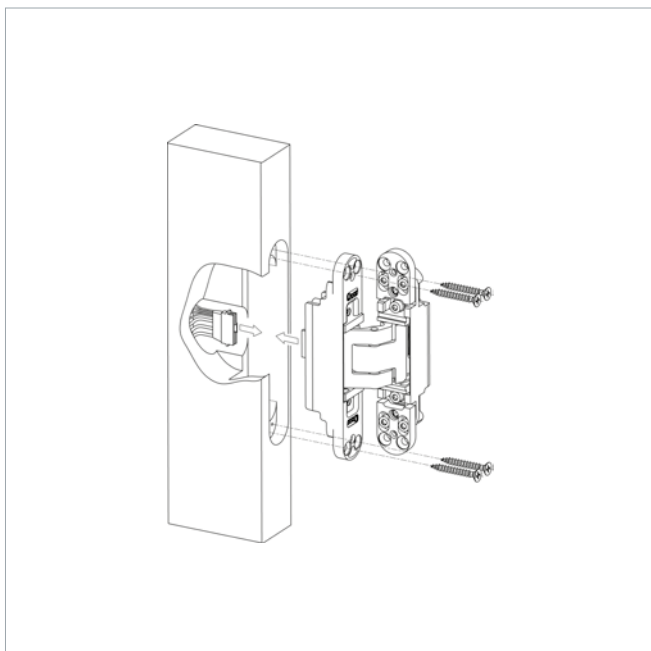
The stainless steel version of TECTUS TE 526 3D complements the series of completely concealed hinge systems, including permanent energy transfer.



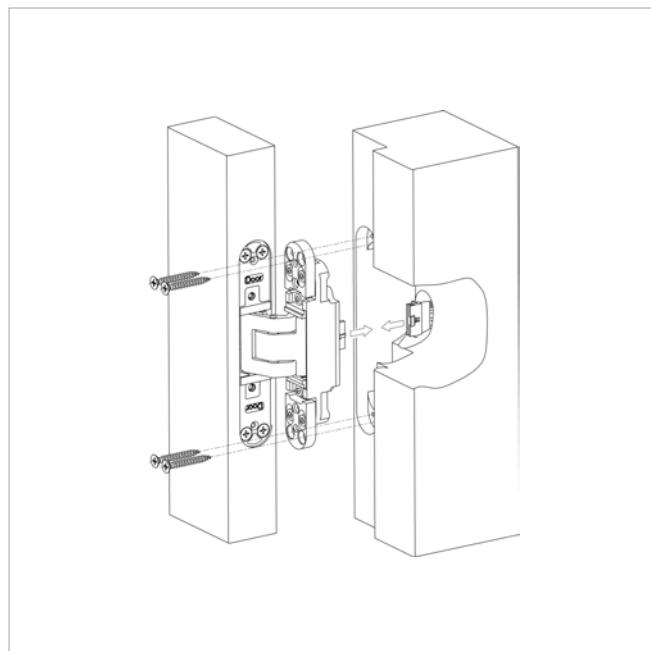
TECTUS® TE 645 3D Energy

The TE 645 3D hinge system for heavy duty and functional doors is capable of loading capacities of up to 300 kg for use on extremely heavy door elements.

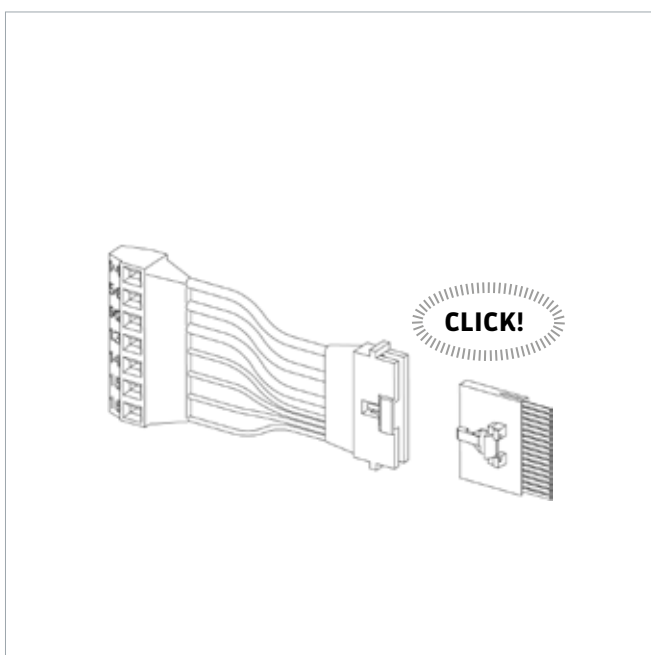
SIMPLE ASSEMBLY



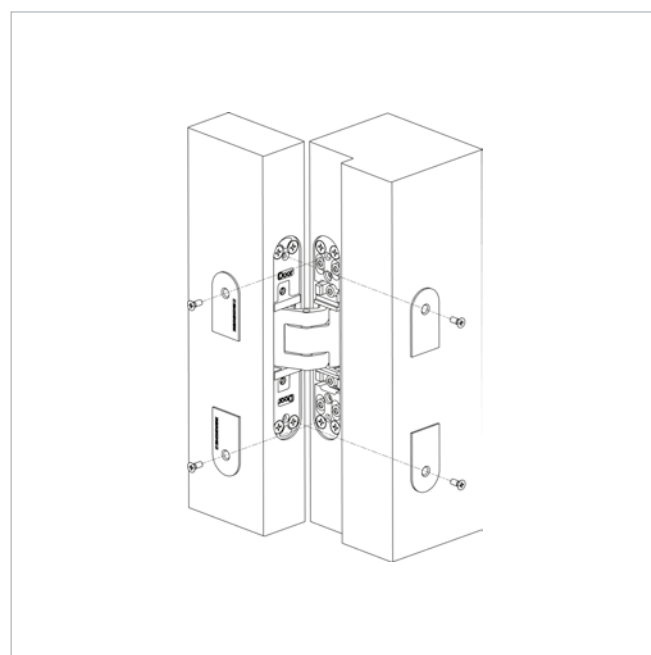
Sharp edges should be avoided in the cable feedthroughs to protect against cable damage. Conduct additional routing on both sides for the cable feedthrough. Establish the plug connection and mount the door part.



Establish the plug connection in the frame part – depending on adapter version used – and fix the frame part corresponding to frame type.



Plug connections must always click into place. Press the latch to unlock.



Screw the small cover plates onto the frame and door part with the enclosed, self-tapping screws.

distributed in North America by :



1-800-362-1484

www.BridgeportWorldwide.com

TECTUS®

The adjustable concealed door hinge

TECTUS®



DESIGN MEETS FUNCTION

A FULL RANGE OF CONCEALED HINGES

SIMONSWERK provides a comprehensive concealed hinge product line, TECTUS, for a wide variety of applications. These applications include residential and commercial doors as well as heavy fire doors and soundproof doors.

The TECTUS series offers consistent characteristics throughout the entire product line, such as the visual appearance, functionality and adjustability. Durability is another key feature that the TECTUS series offers and is therefore not limited to low traffic door applications. The ease of installation and maintenance-free slide bearing technology distinguishes this product line. TECTUS hinges are available in 16 architectural finishes.



TE 240 3D

Load capacity
up to 40 kg (88 lbs.)



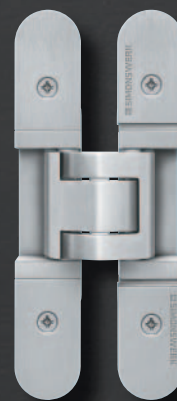
TE 340 3D

Load capacity
up to 80 kg (176 lbs.)



TE 526 3D

Load capacity
up to 120 kg (264 lbs.)



TE 527 3D

Load capacity
up to 120 kg (264 lbs.)

**Versions for special applications
starting on page 14.**

**TE 540 3D**

Load capacity
up to 120 kg (264 lbs.)

**TE 640 3D**

Load capacity
up to 200 kg (440 lbs.)

**TE 645 3D**

Load capacity
up to 300 kg (661 lbs.)

TECTUS®

TE 240 3D

For flush residential doors

Hinge		up to 40 kg (88 lbs.)
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Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush residential 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 +/- 1.5 mm (0.059"))
- Maintenance-free slide bearings

The specification text can be downloaded from the PRODUCTSELTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	40 kg (88 lbs.)
Length	155 mm (6.102")
Width (door)	18 mm (0.709")
Width (frame)	21 mm (0.827")
Router bit / collar Ø	1/2" / 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

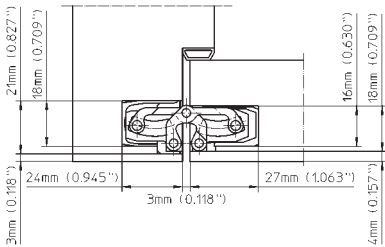
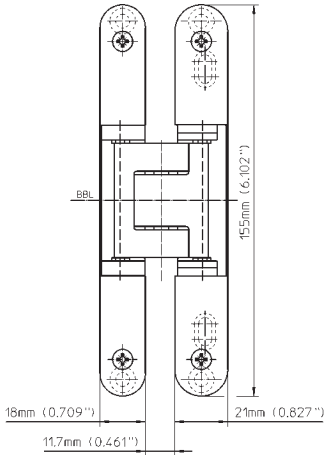
Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 240 3D FZ/1
	Steel frame	TE 240 3D SZ
	Steel door	TE 240 3D ST
	Aluminum frame	Specified by manufacturer

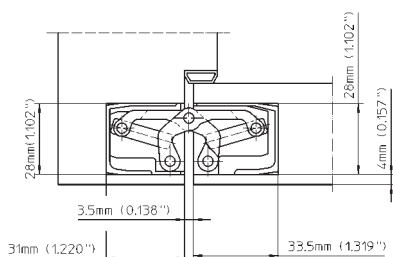
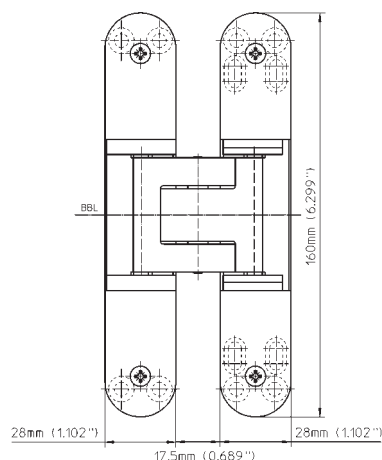
Installation Tools

Jig		Universal milling frame
Frame	routing template	No. 5 251074 6
Door	routing template	No. 5 251075 6

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 26 mm (1.024").





TE 340 3D

For flush residential and commercial doors

Hinge		up to 80 kg (176 lbs.)
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Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush residential and 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 PRODUCTSECTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	80 kg (176 lbs.)
Length	160 mm (6.299")
Width (door)	28 mm (1.102")
Width (frame)	28 mm (1.102")
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 340 3D FZ
	Steel frame	TE 340 3D SZ
	Steel door	TE 340 3D ST
	Aluminum frame	Specified by manufacturer

Installation Tools

Jig		Universal milling frame
Step 1	routing template	No. 5 251058 5
Step 2	routing template	No. 5 251059 5

Application Range

Fire Resistant, Smoke Resistant, 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 38 mm (1-1/2").

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.

TECTUS®

TE 526 3D

Manufactured of solid stainless steel for flush commercial doors

Hinge		up to 120 kg (264 lbs.)
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Product Features

- Solid non magnetic stainless steel (304 series) (marine grade 316 series upon request)
- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush commercial doors
- 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
- Finger protection due to a small gap between door and frame
- UL listed for 180 minute fire door

The specification text can be downloaded from the PRODUCTSELCATOR at www.simonswerk-usa.com.

Technical Data

Load capacity	120 kg (264 lbs.)
Length	155 mm (6.102")
Width (door)	26 mm (1.024")
Width (frame)	26 mm (1.024")
Router bit / collar Ø	3/4" / 1"

Finishes

satin stainless steel (304 series)

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 526 3D FZ/1
	Steel frame	TE 526 3D SZ
	Steel door	TE 526 3D ST
	Aluminum frame	Specified by manufacturer

Installation Tools

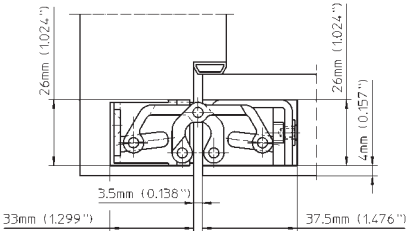
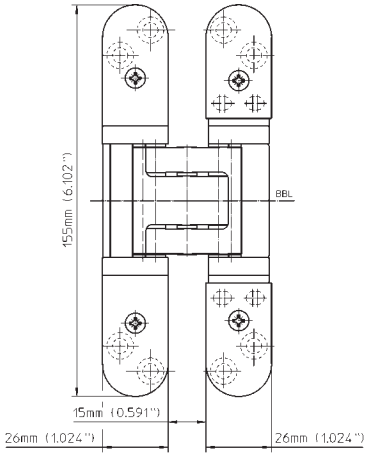
Jig	Universal milling frame Drilling jig TECTUS TE 526 3D	
Frame/Door	routing template	No. 5 251070 6

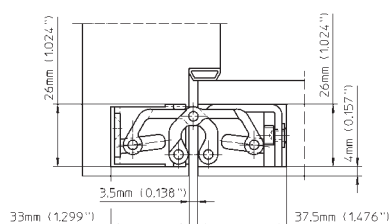
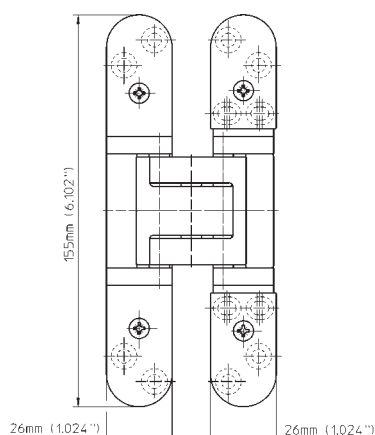
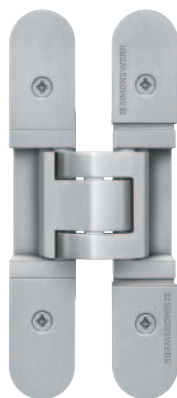
Application Range

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.
The load capacity shall be reduced by 20% when installed in combination with a door closer.





TE 527 3D

Manufactured of mild steel for flush commercial doors

Hinge		up to 120 kg (264 lbs.)
-------	--	-------------------------

Product Features

- Mild steel
- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush commercial doors
- 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
- Finger protection due to a small gap between door and frame
- UL listed for 180 minute fire door

The specification text can be downloaded from the PRODUCTSELTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	120 kg (264 lbs.)
Length	155 mm (6.102")
Width (door)	26 mm (1.024")
Width (frame)	26 mm (1.024")
Router bit / collar Ø	3/4" / 1"

Finishes

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

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 527 3D FZ/1
	Steel frame	TE 527 3D SZ
	Steel door	TE 527 3D ST
	Aluminum frame	Specified by manufacturer

Installation Tools

Jig	Universal milling frame
	Drilling jig TECTUS TE 527 3D
Frame/Door	routing template
	No. 5 251070 6

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 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.

The load capacity shall be reduced by 20% when installed in combination with a door closer.

TECTUS®

TE 540 3D

For flush commercial doors

Hinge	up to 120 kg (264 lbs.)
-------	-------------------------

Product Features

- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush 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 PRODUCTSELTOR at 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"

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 SZ
	Steel door	TE 540 3D ST
	Aluminum frame	Specified by manufacturer

Installation Tools

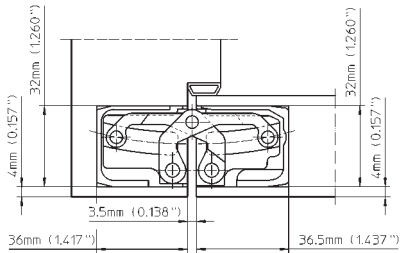
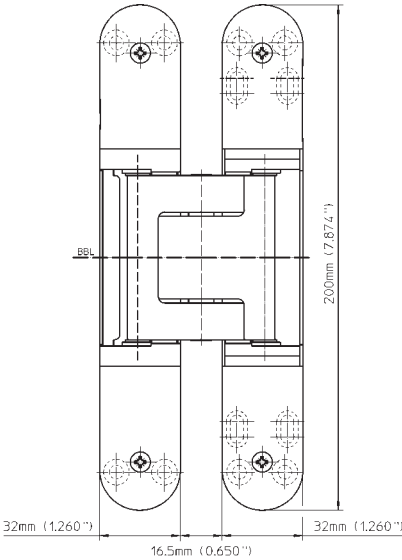
Jig	Universal milling frame	
Step 1	routing template	No. 5 251060 5
Step 2	routing template	No. 5 251061 5

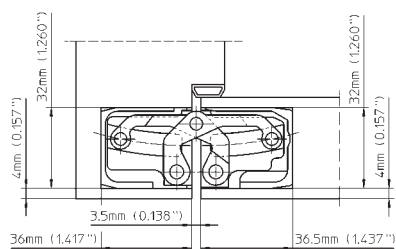
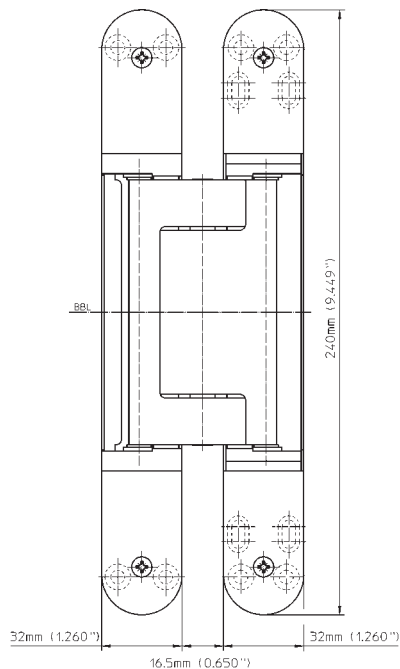
Application Range

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.





TE 640 3D

For flush high performance commercial doors

Hinge		up to 200 kg (440 lbs.)
-------	--	-------------------------

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 PRODUCTSECTOR 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.

TECTUS®

TE 645 3D

For flush high performance commercial doors

Hinge		up to 300 kg (661 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 PRODUCTSECTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	300 kg (661 lbs.)
Length (door)	260 mm (10.236")
Length (frame)	280 mm (11.024")
Width (door)	34 mm (1.339")
Width (frame)	36 mm (1.417")
Router bit / collar Ø	3/4" / 1"

Finishes

Standard Finishes: satin chrome look (F1), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Steel frame	TE 645 3D SZ
	Steel door	TE 645 3D ST

Installation Tools

Jig		Universal milling frame long
Frame, Step 1	routing template	No. 5 251064 5
Frame, Step 2	routing template	No. 5 251065 5
Door, Step 1	routing template	No. 5 251066 5
Door, Step 2	routing template	No. 5 251067 5

Application Range

Fire Resistant, Smoke Resistant, Soundproof, Forced Entry Resistant

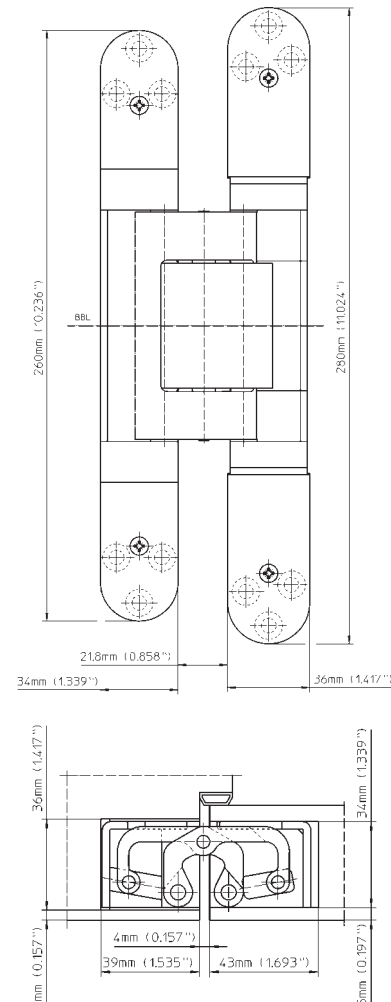
Note

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).

Use with a minimum door thickness of 44 mm (1 3/4"). Minimum door thickness of 51 mm (2") when used with steel frames.

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.



TECTUS®

VERSIONS FOR SPECIAL APPLICATIONS

Special architectural planning tasks require individual solutions. The solutions presented here by SIMONSWERK complement the TECTUS product range.



TECTUS® FVZ

Allows frame to be hidden and door to be flush with wall surfaces by using recessed frame up to 14 mm (0.551")

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



TECTUS® A8

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

Door panel can be opened a full 180 degrees

3 sizes for load capacities up to 250 kg (551 lbs.)

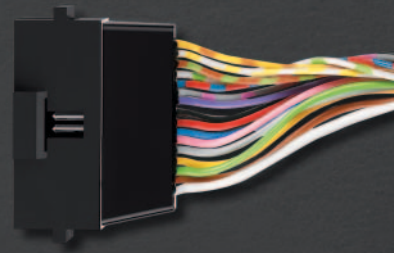


TECTUS® Energy

Load capacities of 40 kg (88 lbs.)
up to 300 kg (661 lbs.)

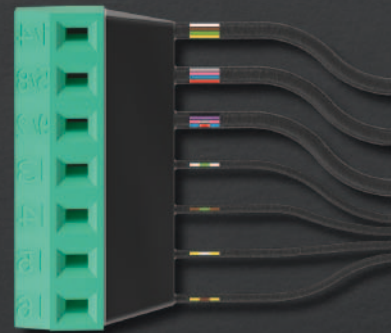
ROUND CABLE

- › Plug connector and open ended cable
- › Cable length: 3m (9.8') or 10m (32.8')
- › 16 wires with 0.8 A per wire
- › Up to 50 V
- › Wire gauge 14 square mm (26 AWG)



UNIVERSAL ADAPTER

- › Plug connector and direct screw terminal block connector
- › 3 x 3.2 A and 4 x 0.8 A power
- › Up to 50 V
- › Wire gauge 14 square mm (26 AWG)



CUSTOM ADAPTERS

- › Available upon request



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 large variety of sizes to accommodate different door panel weights. Different adapters for simple reverse polarity protected plug connection are available.

UNIVERSAL ADAPTER

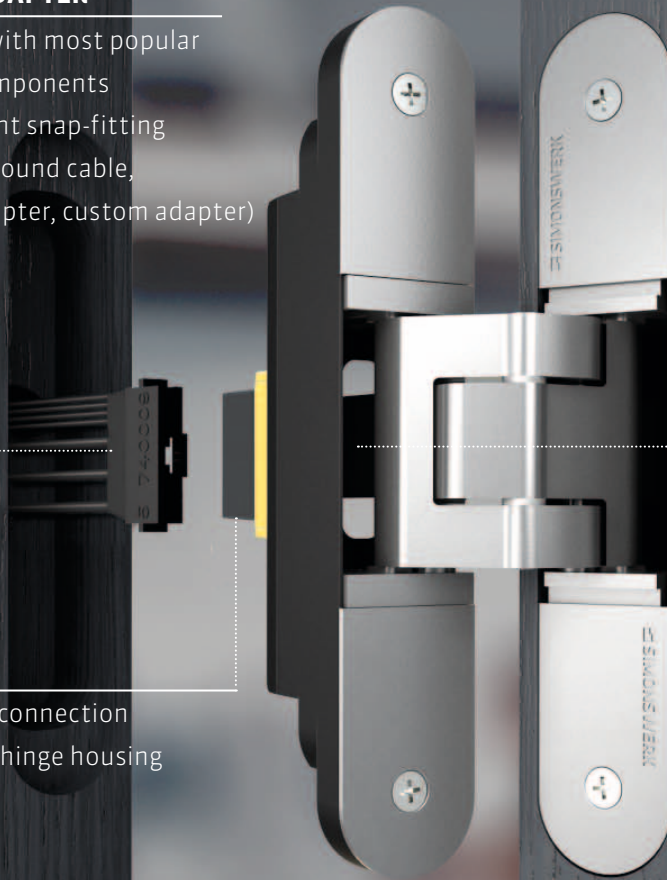
- › compatible with most popular hardware components
- › three different snap-fitting connectors (round cable, universal adapter, custom adapter)

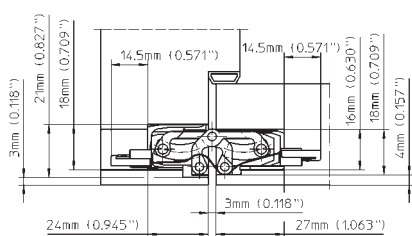
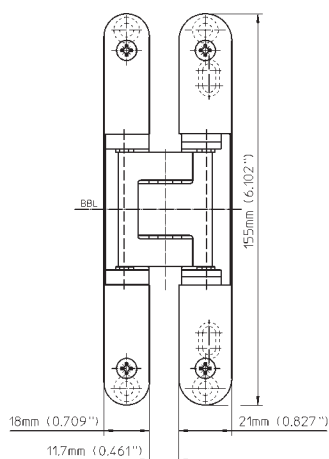
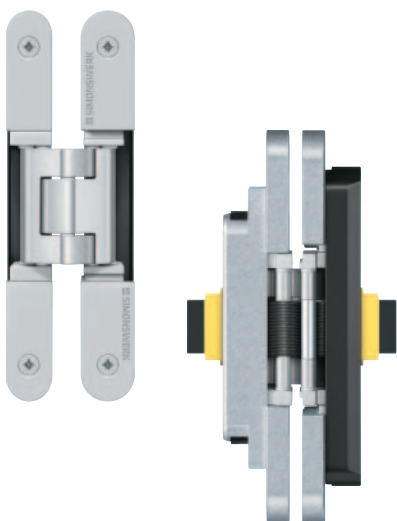
FLAT RIBBON CABLE

- › 16-wire ribbon cable
- › integrated continuous energy transfer

CLIP

- › secure and reliable connection between cable and hinge housing





TE 240 3D Energy Kit

With integrated and continuous energy transfer for flush residential doors - with new snap-fitting connection

Hinge	energy transfer	up to 40 kg (88 lbs.)
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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 +/- 1.5 mm (0.059"))
- Maintenance-free slide bearings
- Finger protection due to a small gap between door and frame

The specification text can be downloaded from the PRODUCTSELTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	40 kg (88 lbs.)
Length	155 mm (6.102")
Width (door)	18 mm (0.709")
Width (frame)	21 mm (0.827")
Router bit / collar Ø	1/2" / 1"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 240 3D FZ/1
	Steel frame	TE 240 3D SZ
	Steel door	TE 240 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 251081 5
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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 26 mm (1.024").
Kit includes two 3m (118.110") round cables.

TECTUS®

TE 340 3D Energy Kit

With integrated and continuous energy transfer for flush residential doors - with new snap-fitting connection

Hinge	energy transfer	up to 80 kg (176 lbs.)
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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
- Finger protection due to a small gap between door and frame

The specification text can be downloaded from the PRODUCTSELTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	80 kg (176 lbs.)
Length	160 mm (6.299")
Width (door)	28 mm (1.102")
Width (frame)	28 mm (1.102")
Router bit / collar Ø	3/4" / 1"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 340 3D FZ/1
	Steel frame	TE 340 3D SZ
	Steel door	TE 340 3D ST
	Aluminum frame	Specified by manufacturer
Accessories		Round Cable 10m (393.701")
		Custom Adapter

Installation Tools (in addition to templates for standard versions)

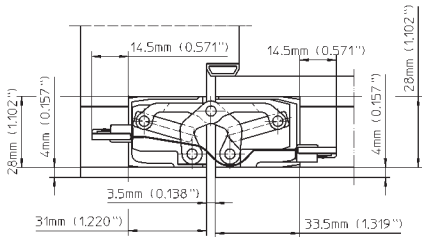
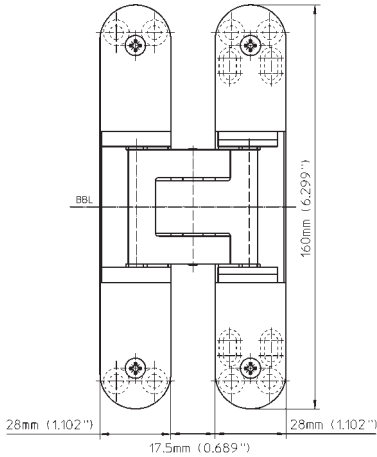
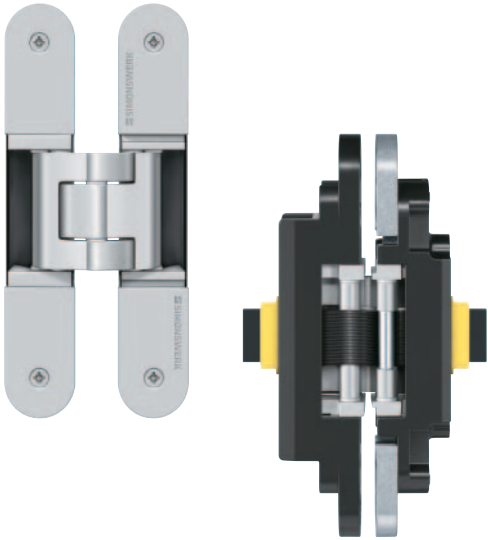
Routing for raceway	routing template	No. 5 251082 5
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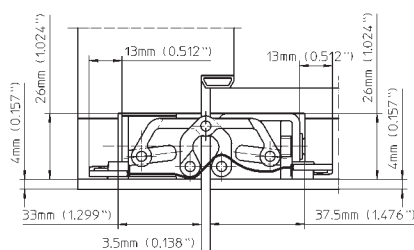
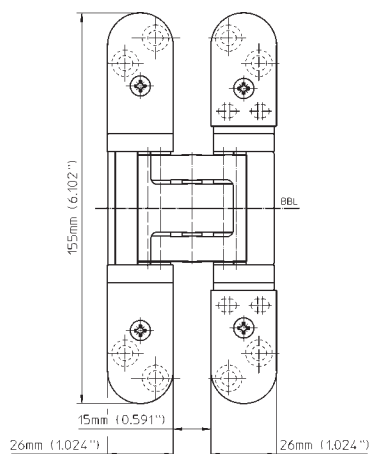
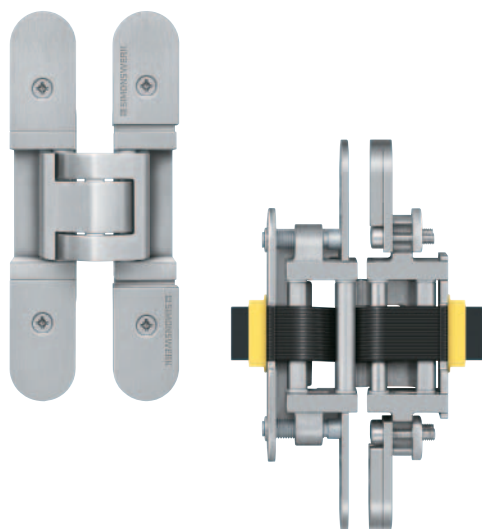
Application Range

Fire Resistant, Smoke Resistant, 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 38 mm (1-1/2").
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.
Please specify accessories when ordering.
Kit includes two 3m (118.110") round cables.





TE 526 3D Energy Kit

Manufactured of solid stainless steel with integrated and continuous energy transfer for flush commercial doors - with new snap-fitting connection

Hinge	energy transfer	up to 120 kg (264 lbs.)
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Product Features

- Multiple connection adapter options
- Solid non magnetic stainless steel (304 series) (marine grade 316 series upon request)
- 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

The specification text can be downloaded from the PRODUCTSECTOR at 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 ²
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 stainless steel

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 526 3D FZ/1
	Steel frame	TE 526 3D SZ
	Steel door	TE 526 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 3m (118.110") round cables.

TECTUS®

TE 527 3D Energy Kit

Manufactured of mild steel with integrated and continuous energy transfer for flush commercial doors - with new snap-fitting connection

Hinge	energy transfer	up to 120 kg (264 lbs.)
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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

The specification text can be downloaded from the PRODUCTSELTOR at 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 ²
Max. voltage	50 V (for voltages of 24 V or higher only with safeguarded power supply)
Max. current	0.8 A (per wire)

Finishes

Standard Finishes: stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 527 3D FZ/1
	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)

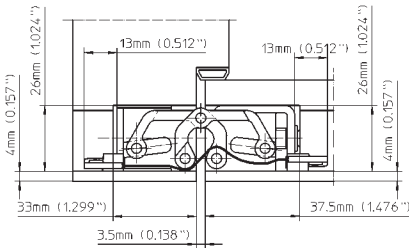
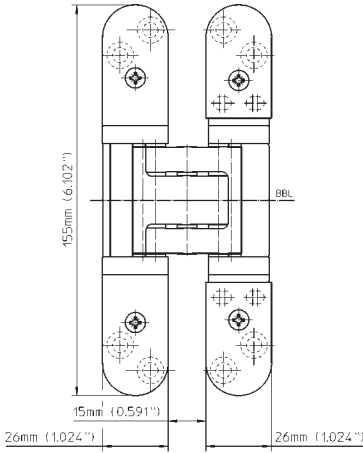
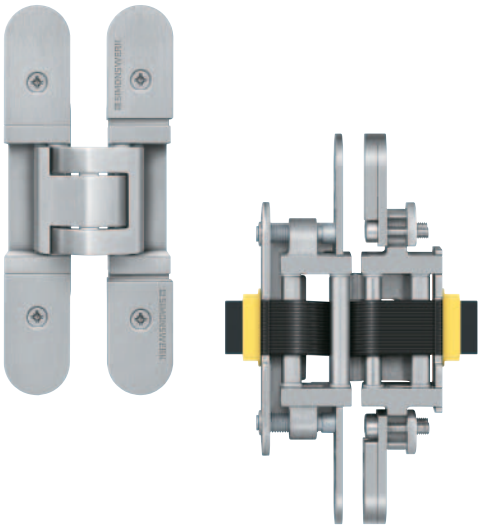
Routing for raceway	routing template	No. 5 251082 5
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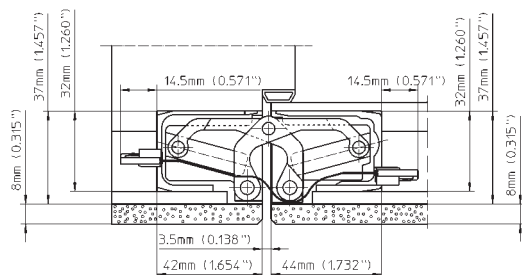
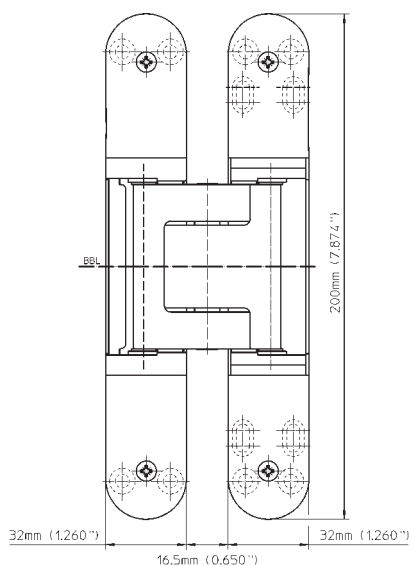
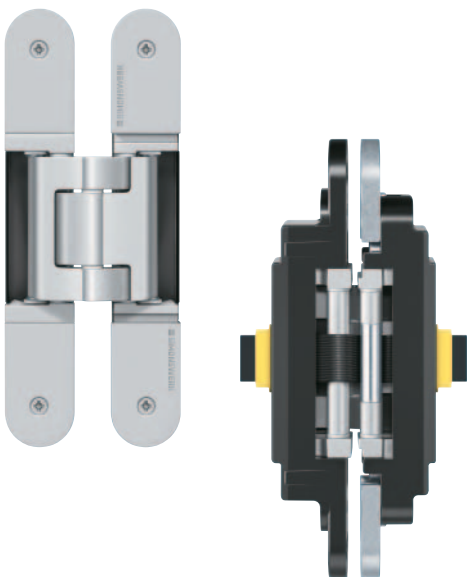
Application Range

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 3m (118.110") round cables.





TE 540 3D Energy Kit

With integrated and continuous energy transfer for flush commercial doors - with new snap-fitting connection

Hinge	energy transfer	up to 120 kg (264 lbs.)
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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

The specification text can be downloaded from the PRODUCTSELCATOR at 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 ²
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), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 540 3D FZ/1
	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.

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

TECTUS®

TE 640 3D Energy Kit

With integrated and continuous energy transfer for flush high performance commercial doors - with new snap-fitting connection

Hinge	energy transfer	up to 200 kg (440 lbs.)
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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

The specification text can be downloaded from the PRODUCTSELTOR 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"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), 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
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

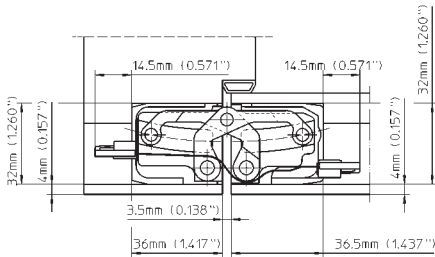
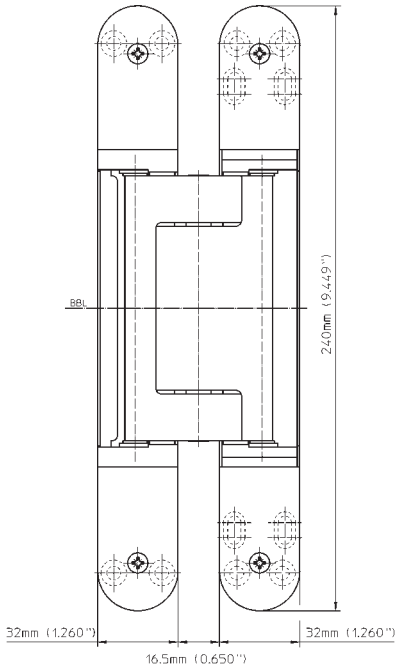
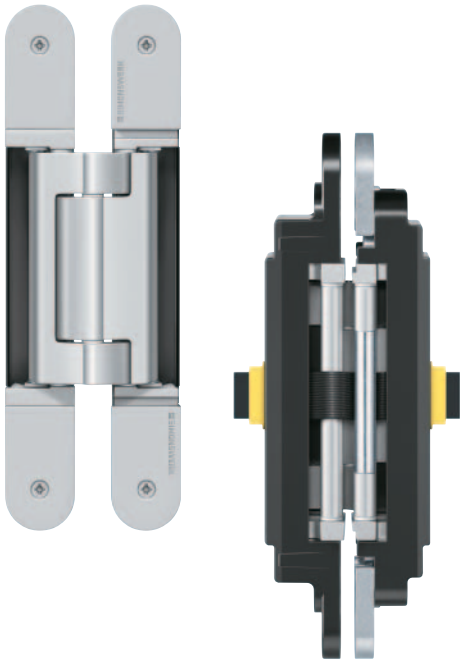
The load capacity mentioned above refers to the use of 2 hinges per door leaf with a height/width ratio of 2:1 (see page 46 for further detail).

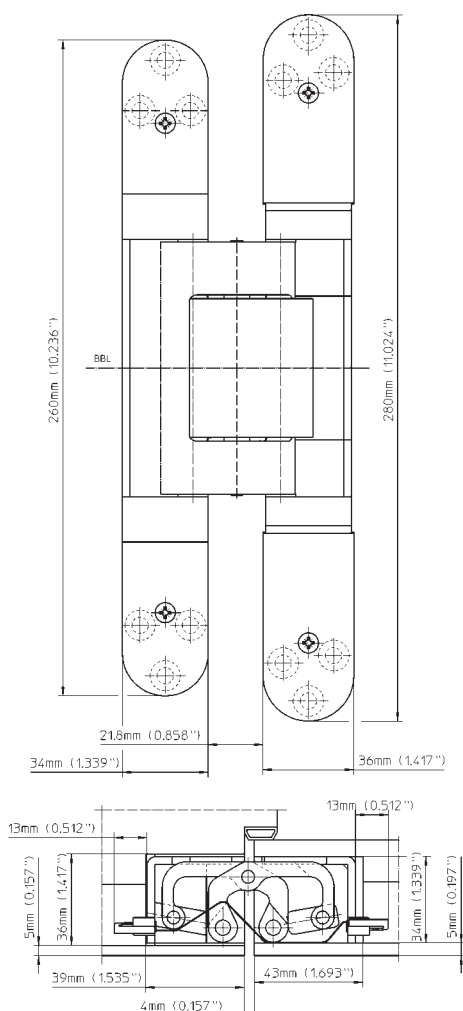
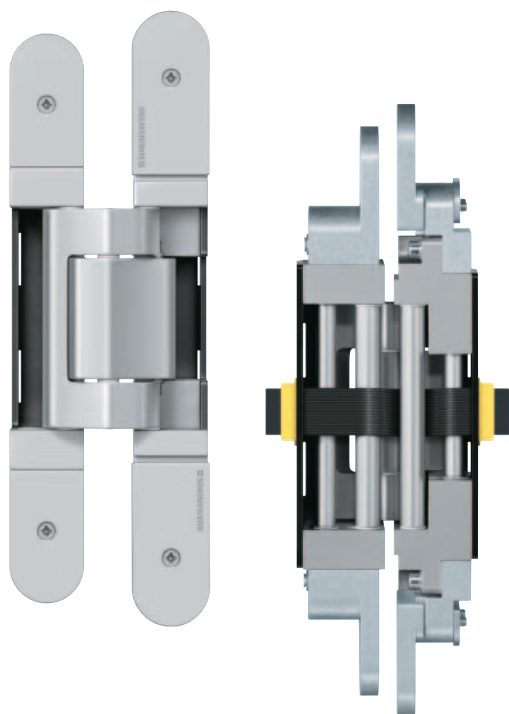
For a minimum door panel thickness of 40 mm (1-5/8").

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.

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





TE 645 3D Energy Kit

With integrated and continuous energy transfer for flush high performance commercial doors - with new snap-fitting connection

Hinge	energy transfer	up to 300 kg (661 lbs.)
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Product Features

- Multiple connection adapter options
- Completely concealed hinge system
- For wood, steel or aluminum 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

The specification text can be downloaded from the PRODUCTSELCATOR at www.simonswerk-usa.com.

Technical Data

Load capacity	300 kg (661 lbs.)
Length (door)	260 mm (10.236\")
Length (frame)	280 mm (11.024\")
Width (door)	34 mm (1.339\")
Width (frame)	36 mm (1.417\")
Router bit / collar Ø	3/4\" / 1"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Steel frame	TE 645 3D SZ
	Steel door	TE 645 3D ST
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).

Use with a minimum door thickness of 44 mm (1 3/4\"), but can also be used with higher thicknesses.

Minimum door thickness of 51 mm (2\") when used with steel frames.

Square-corner cover plates are available upon request - see page 34.

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

TECTUS® FVZ

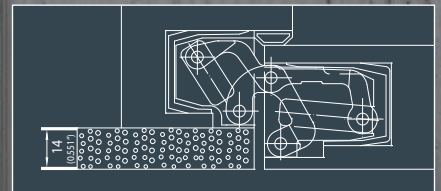
DOOR ASSEMBLIES WITH HIDDEN FRAMES

The new concealed TECTUS TE 541 3D FVZ hinge allows the frame to be recessed inside a finished wall for a door that is flush with the wall's surface. Due to the capability that the entire frame face can be covered with solid materials such as 1/2" drywall, rather than e.g. a single layer of plaster, the issue of surface cracking has been eliminated. The frame facing can be recessed

up to 14 mm (0.551") creating even more architectural possibilities for straight-lined, flush surface interior design. These hinges present a stunning architectural integration of door and wall elements. This hinge has the same amenities as existing models of the product brand TECTUS.

Load capacity up to 100 kg (220 lbs.)

For 14 mm (0.551")
recessed frame facings





TE 541 3D FVZ

For flush residential and commercial doors with recessed frame facings

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

Product Features

- FVZ = for 14.0 mm (0.551") recessed frame facings
- Completely concealed hinge system
- For wood, steel or aluminum door panels and frames
- For flush residential and 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

The specification text can be downloaded from the PRODUCTSECTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	100 kg (220 lbs.)
Length	185 mm (7.283")
Width (door)	28 mm (1.102")
Width (frame)	28 mm (1.102")
Router bit / collar Ø	3/4" / 1"

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

Combinations

Receiver/Reinforcement	Casing frame	TE 541 3D FVZ FZ/1
	Steel frame	TE 541 3D FVZ SZ
	Steel door	TE 541 3D FVZ ST

Installation Tools

Jig	Universal milling frame	
Frame, Step 1	routing template	No. 5 251071 5
Frame, Step 2	routing template	No. 5 251072 5
Frame, Step 3	routing template	No. 5 251068 5
Door, Step 1	routing template	No. 5 251071 5
Door, Step 2	routing template	No. 5 251072 5
Door, Step 3	routing template	No. 5 251073 5

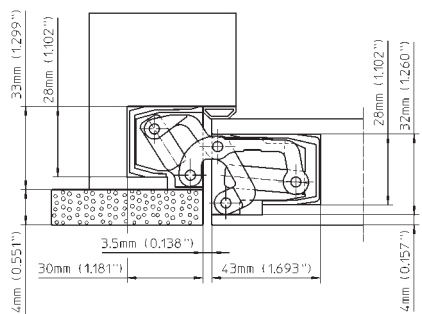
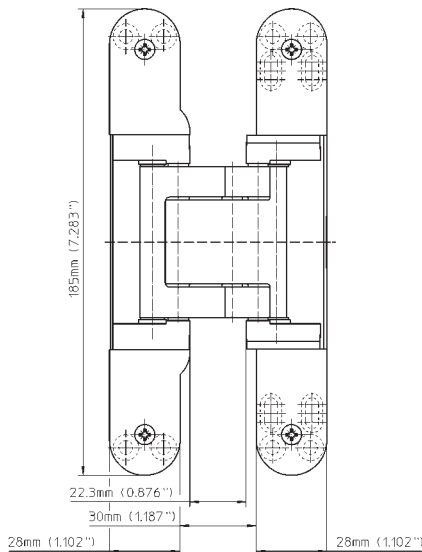
Application Range

Fire Resistant, Smoke Resistant, Soundproof

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).

Typical use with door thickness of 44 mm (1 3/4"), but can also be used with higher thicknesses.



TECTUS® A8

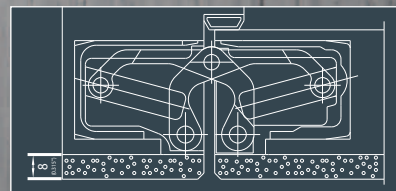
CLADDING OVER THE DOOR AND FRAME

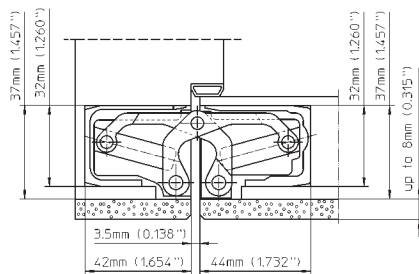
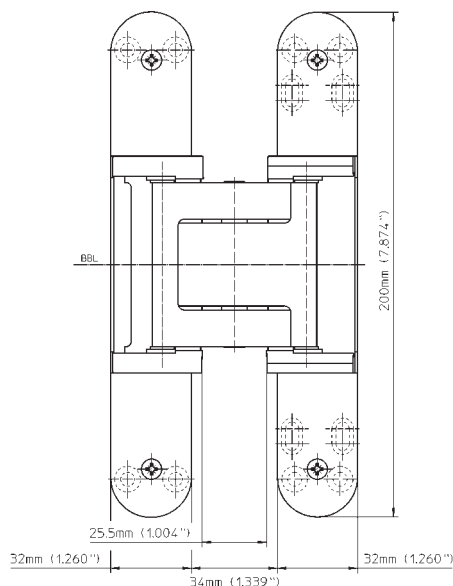
The TECTUS A8 models offer concealed hinges for applications where in the past it was only possible to use pivots to hang a door. The A8 versions allow a door to visually disappear into a wall with many different kinds of claddings such as mirrors, laminates and marble up to 8 mm (0.315") in thickness. The TECTUS A8 hinges give designers new opportunities for integrating the door panel into a holistic room concept.

Load capacities up to 250 kg
(551 lbs.)

For claddings up to 8 mm
(0.315") on door and frame

The use of different cladding materials such as wood, glass, etc. enables the door to visually disappear within a wall.





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 PRODUCTSELCATOR 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 251069 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.

TECTUS®

TE 640 3D A8

For flush high performance commercial doors with claddings up to 8 mm (0.315")

Hinge		up to 160 kg (352 lbs.)
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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	160 kg (352 lbs.)
Length	240 mm (9.449")
Width (door)	32/37 mm (1.260/1.457")
Width (frame)	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 640 3D FZ/1
	Steel frame	TE 640 3D A8 SZ
	Steel door	TE 640 3D A8 ST
	Aluminum frame	Specified by manufacturer

Installation Tools

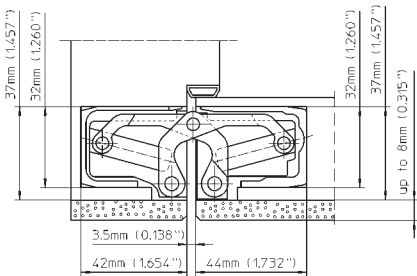
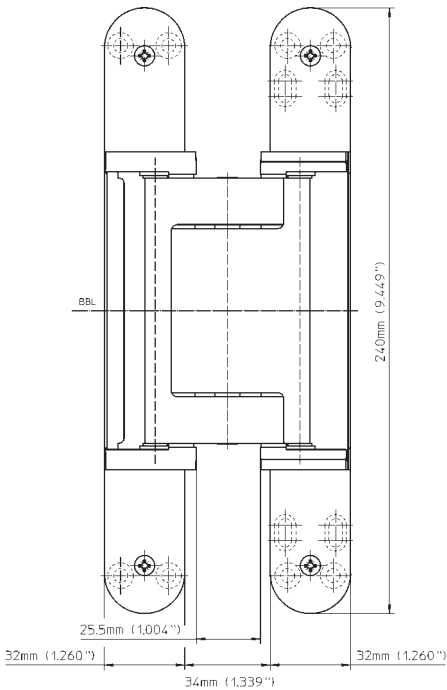
Jig		Universal milling frame
Step 1	routing template	No. 5 251062 5
Step 2	routing template	No. 5 251063 5
Step 3	routing template	No. 5 251069 5
Step 3 (without cladding)	routing template	No. 5 251095 5

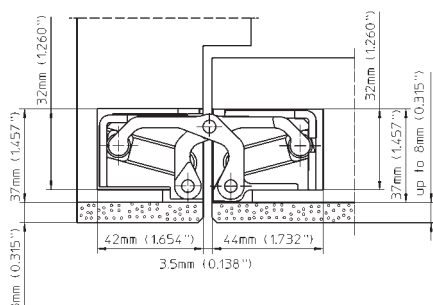
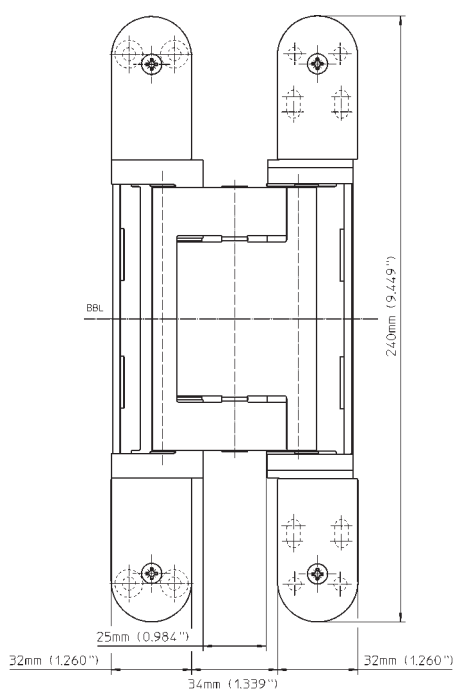
Application Range

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.





TE 626 3D A8

Manufactured of solid steel for flush high performance commercial doors with claddings up to 8 mm (0.315")

Hinge up to 250 kg (551 lbs.)

Product Features

- Claddings up to 8 mm (0.315")
- Solid non magnetic stainless steel (304 series)
- 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 PRODUCTSECTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	250 kg (551 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"

Finishes

satin stainless steel (304 series), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 626 3D A8 FZ
	Steel frame	TE 626 3D A8 SZ
	Steel door	TE 626 3D A8 ST
	Aluminum frame	Specified by manufacturer
Accessories	Cover plate set	TE 540/640 3D A8 with radius

Installation Tools

Jig	Universal milling frame long	
Step 1	routing template	No. 5 251062 5
Step 2	routing template	No. 5 251063 5
Step 3	routing template	No. 5 251069 5
Step 3 (without cladding)	routing template	No. 5 251095 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 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.

TECTUS®

TE 540 3D A8 Energy Kit

With integrated and continuous energy transfer for flush commercial doors with claddings of up to 8 mm (0.315") - with new snap-fitting connection

Hinge		up to 100 kg (220 lbs.)
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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

The specification text can be downloaded from the PRODUCTSELTOR 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"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), 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
Accessories		Round Cable 10m (393.701")
		Custom Adapter

Installation Tools (in addition to templates for standard versions)

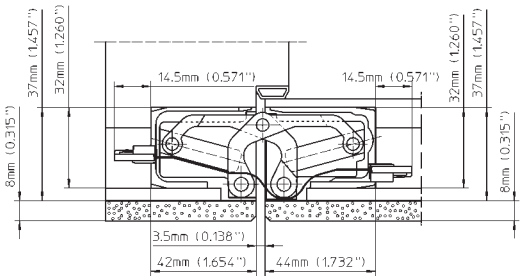
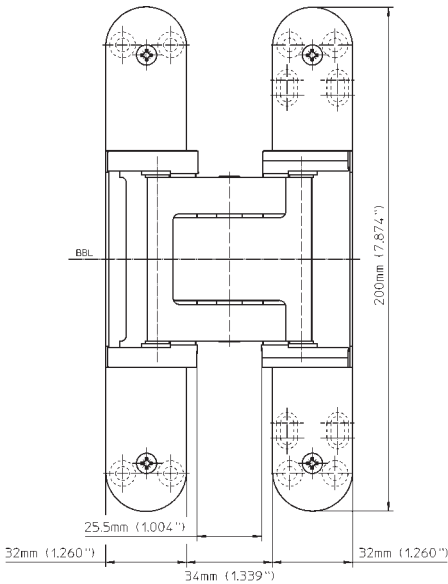
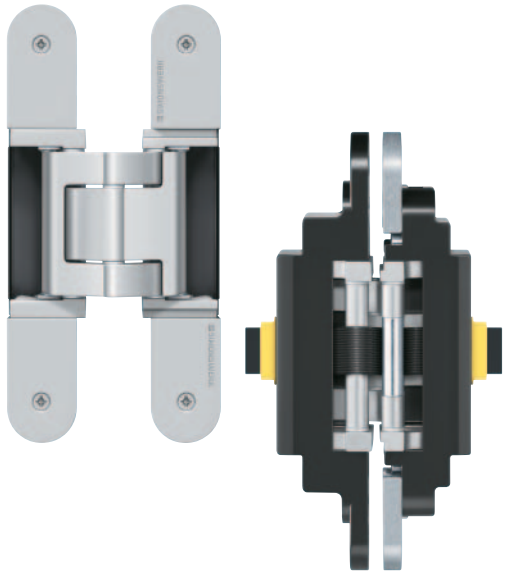
Routing for raceway	routing template	No. 5 251082 5
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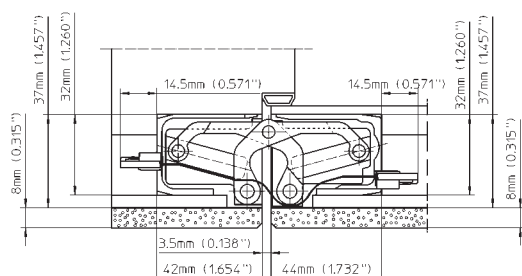
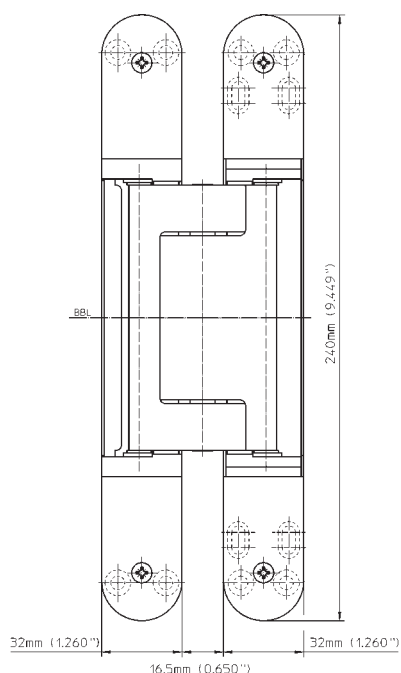
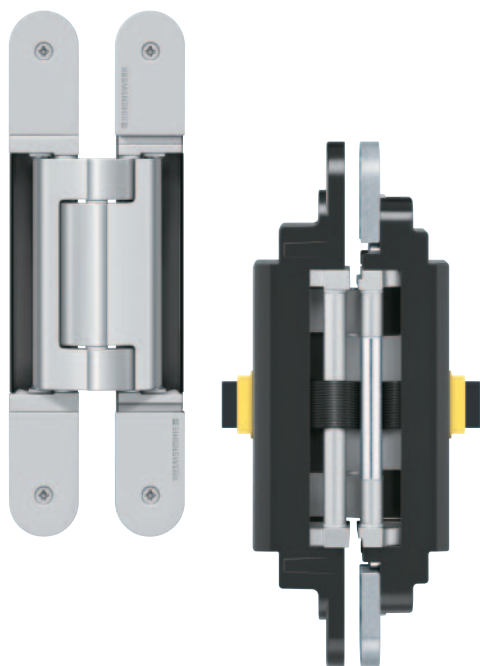
Application Range

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





TE 640 3D A8 Energy Kit

With integrated and continuous energy transfer for flush high performance commercial doors with claddings of up to 8 mm (0.315") - with new snap-fitting connection

Hinge up to 160 kg (352 lbs.)

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

The specification text can be downloaded from the PRODUCTSELCATOR at www.simonswerk-usa.com.

Technical Data

Load capacity	160 kg (352 lbs.)
Length	240 mm (9.449")
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"
No. of wires/Wire cross section	16/0.14 mm ²
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), stainless steel look (SSL), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 640 3D FZ/1
	Steel frame	TE 640 3D A8 SZ
	Steel door	TE 640 3D A8 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" 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.

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

TECTUS®

TE 626 3D A8 Energy Kit

Manufactured of solid steel with integrated and continuous energy transfer for flush high performance commercial doors with claddings up to 8 mm (0.315") – with new snap-fitting connection

Hinge	up to 250 kg (551 lbs.)
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Product Features

- Solid non magnetic stainless steel (304 series)
- Multiple connection adapter options
- 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 PRODUCTSELTOR at www.simonswerk-usa.com.

Technical Data

Load capacity	250 kg (551 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 ²
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 stainless steel (304 series), other finishes available upon request

Combinations

Receiver/Reinforcement	Commercial frame	Frame mounted
	Casing frame	TE 626 3D A8 FZ
	Steel frame	TE 626 3D A8 SZ
	Steel door	TE 626 3D A8 ST
	Aluminum frame	Specified by manufacturer
Accessories	Round Cable 10m (393.701") Custom adapter	

Installation Tools (in addition to templates for standard versions)

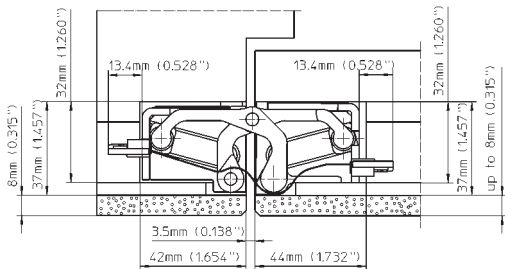
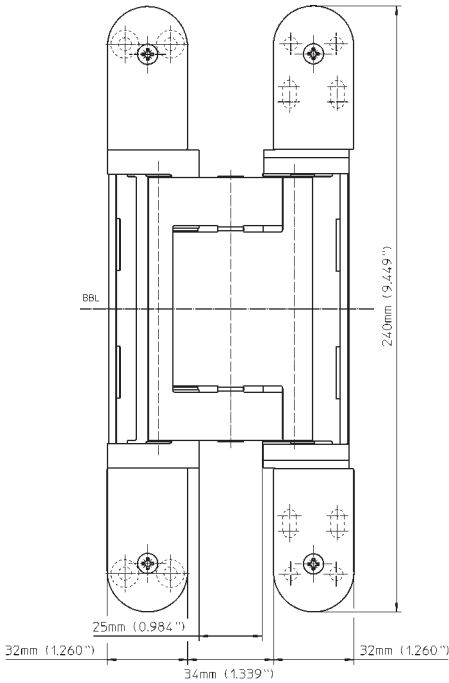
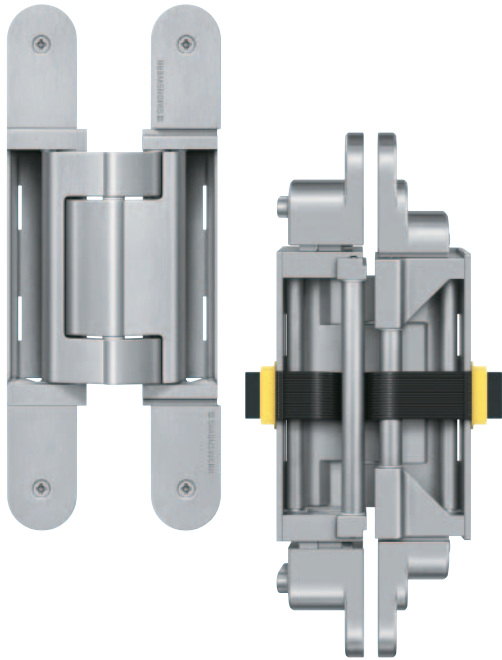
Routing for raceway	routing template	No. 5 251082 5
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Application Range

Fire Resistant, Smoke Resistant, Soundproof, Forced Entry Resistant

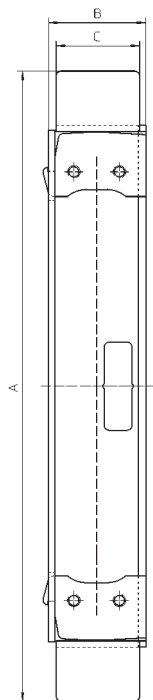
Note

The load capacity mentioned above refers to the use of 2 hinges per door leaf with a height/width ratio 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.
Kit includes two 3m (118.110") round cables.





TE 540 3D SZ



Receiver SZ

Reinforcement for steel and stainless steel frames

Fixing		Steel frame
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Finishes

galvanized, stainless steel

Combinations

Hinge		TE 240 3D
		TE 340 3D
		TE 526 3D
		TE 527 3D
		TE 540 3D
		TE 541 3D FVZ
		TE 640 3D
		TE 645 3D
		TE 540 3D A8
		TE 640 3D A8
		TE 626 3D A8
	energy transfer	TE 240 3D Energy Kit
		TE 340 3D Energy Kit
		TE 526 3D Energy Kit
		TE 527 3D Energy Kit
		TE 540 3D Energy Kit
		TE 640 3D Energy Kit
		TE 645 3D Energy Kit
		TE 540 3D A8 Energy Kit
		TE 640 3D A8 Energy Kit
		TE 626 3D A8 Energy Kit

Note

Please specify the exact hinge model when ordering.

TE 540 3D receiver shown. Drawings for other receiver sizes available upon request.

Model Variants	A	B	C
TE 240 3D	205 mm (8.071")	27.4 mm (1.079")	21.8 mm (0.858")
TE 340 3D	225 mm (8.858")	39.5 mm (1.555")	32 mm (1.260")
TE 526 3D	205 mm (8.071")	33.5 mm (1.319")	26 mm (1.024")
TE 527 3D	205 mm (8.071")	33.5 mm (1.319")	26 mm (1.024")
TE 540 3D	248 mm (9.764")	38.5 mm (1.516")	33 mm (1.299")
TE 541 3D FVZ	235 mm (9.252")	34.5 mm (1.358")	29 mm (1.142")
TE 640 3D	288 mm (11.339")	38.5 mm (1.516")	32 mm (1.260")
TE 645 3D	328 mm (12.913")	42.5 mm (1.673")	37 mm (1.457")
TE 540 3D A8	250 mm (9.843")	38.5 mm (1.516")	33 mm (1.299")
TE 640 3D A8	290 mm (11.417")	38.5 mm (1.516")	33 mm (1.299")
TE 626 3D A8	290 mm (11.417")	38.5 mm (1.516")	33 mm (1.299")

Receiver ST

Reinforcement for steel and stainless steel door panels

Fixing		Steel door
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Finishes

galvanized, stainless steel

Combinations

Hinge	TE 240 3D
	TE 340 3D
	TE 526 3D
	TE 527 3D
	TE 540 3D
	TE 541 3D FVZ
	TE 640 3D
	TE 645 3D
	TE 540 3D A8
	TE 640 3D A8
	TE 626 3D A8
energy transfer	TE 240 3D Energy Kit
	TE 340 3D Energy Kit
	TE 526 3D Energy Kit
	TE 527 3D Energy Kit
	TE 540 3D Energy Kit
	TE 640 3D Energy Kit
	TE 645 3D Energy Kit
	TE 540 3D A8 Energy Kit
	TE 640 3D A8 Energy Kit
	TE 626 3D A8 Energy Kit

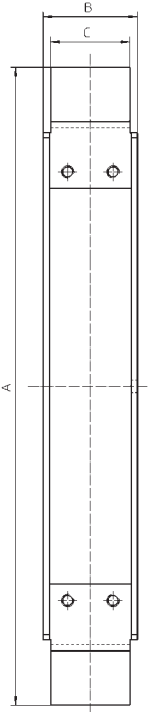
Note

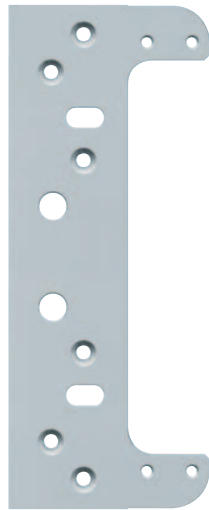
Please specify the exact hinge model when ordering.
TE 540 3D receiver shown. Drawings for other receiver sizes available upon request.
Includes hinge mounting screws.

Model Variants	A	B	C
TE 240 3D	200 mm (7.874")	23 mm (0.906")	17 mm (0.669")
TE 340 3D	225 mm (8.858")	33.3 mm (1.311")	27.3 mm (1.075")
TE 526 3D	205 mm (8.071")	32 mm (1.260")	26 mm (1.024")
TE 527 3D	205 mm (8.071")	32 mm (1.260")	26 mm (1.024")
TE 540 3D	253 mm (9.961")	37.3 mm (1.469")	31.2 mm (1.232")
TE 541 3D FVZ	238 mm (9.370")	33.3 mm (1.311")	27.3 mm (1.075")
TE 640 3D	300 mm (11.811")	38.3 mm (1.508")	31.3 mm (1.232")
TE 645 3D	312 mm (12.283")	41.3 mm (1.626")	33.3 mm (1.311")
TE 540 3D A8	253 mm (9.961")	37.3 mm (1.469")	31.2 mm (1.232")
TE 640 3D A8	300 mm (11.811")	38.3 mm (1.508")	31.3 mm (1.232")
TE 626 3D A8	300 mm (11.811")	38.3 mm (1.508")	31.3 mm (1.232")

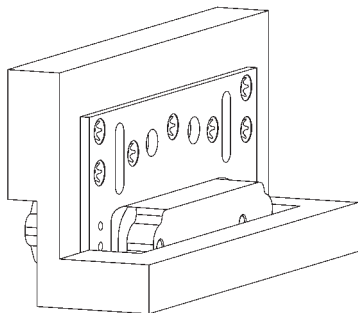
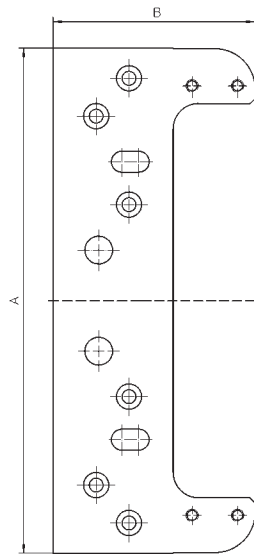


TE 540 3D ST





TE 540 3D FZ/1



Fixing Plate TECTUS Series

For reinforcement of casing frames

Fixing		Casing frame
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Finishes

Standard Finishes: galvanized

Combinations

Hinge	TE 240 3D
	TE 340 3D
	TE 526 3D
	TE 527 3D
	TE 540 3D
	TE 541 3D FVZ
	TE 640 3D
	TE 540 3D A8
	TE 640 3D A8
	TE 626 3D A8
energy transfer	TE 240 3D Energy Kit
	TE 340 3D Energy Kit
	TE 526 3D Energy Kit
	TE 527 3D Energy Kit
	TE 540 3D Energy Kit
	TE 640 3D Energy Kit
	TE 645 3D Energy Kit
	TE 540 3D A8 Energy Kit
	TE 640 3D A8 Energy Kit
	TE 626 3D A8 Energy Kit

Note

Shims for casing strengths 22-28 mm (0.866-1.102") are included.

Please specify the exact hinge in your order.

TE 540 3D fixing plate shown. Drawings for other fixing plate sizes available upon request.

Model Variants

	A	B
TE 240 3D	160 mm (6.299")	70 mm (2.756")
TE 340 3D	160 mm (6.299")	70 mm (2.756")
TE 526 3D	180 mm (7.087")	80 mm (3.150")
TE 527 3D	180 mm (7.087")	80 mm (3.150")
TE 540 3D	200 mm (7.874")	80 mm (3.150")
TE 541 3D FVZ	185 mm (7.283")	80 mm (3.150")
TE 640 3D	239.5 mm (9.429")	80 mm (3.150")
TE 540 3D A8	200 mm (7.874")	80 mm (3.150")
TE 640 3D A8	239.5 mm (9.429")	80 mm (3.150")
TE 626 3D A8	239.5 mm (9.429")	80 mm (3.150")