

德国SIMONSWERK三维暗铰链



100%德国制造 🇩🇪

TECTUS®

完全隐藏的铰链系统

使某些东西看不见也是设计！

在设计项目时存在一定的吸引力，即项目的实际价值最初在后台，因此为其他元素留出了空间。齐平安装是一种散发极简主义并涉及精确技术和完美的风格原则。

这样，完全隐藏的铰链系统TECTUS可使未退回的门完全齐平，因此可集成到设计成直线的房间中。关闭后，铰链将不可见。

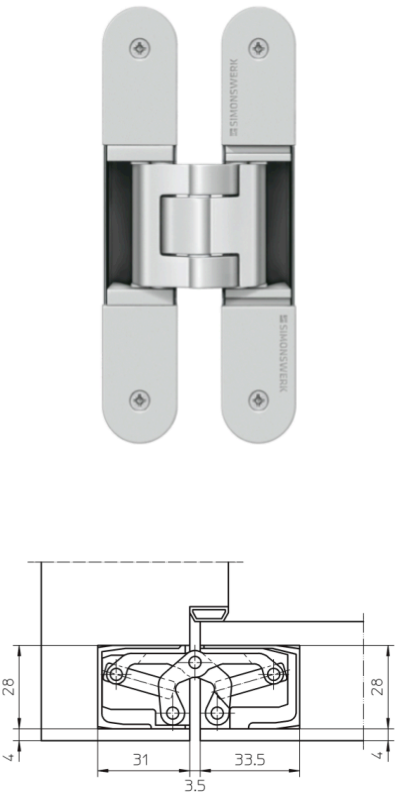
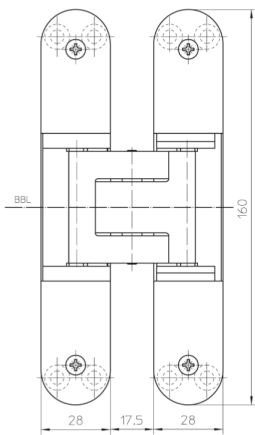
TECTUS的承重能力高达300公斤，可实现180度的打开角度，可用于木材，钢和铝框架。三维调节和免维护滑动轴承技术用于高质量的室内门和功能强大的重型门。



TE 340 3D

for unrebated residential and heavy-duty doors

100%德国制造 



产品特点
TECTUS TE 340 3D

两只承重高达80公斤

完全隐藏式铰链系统

用于木材，钢或铝框架

用于住宅和重型门

侧面闭合的铰链体，使榫眼外观均匀

舒适的3D调整（侧面+/- 3.0毫米，高度+/- 3.0毫米，压缩+/- 1.0毫米）

免维护滑动轴承

最大开启角度180度

Quality marks

 Certification CE

 Certification IFT

 Certification UL

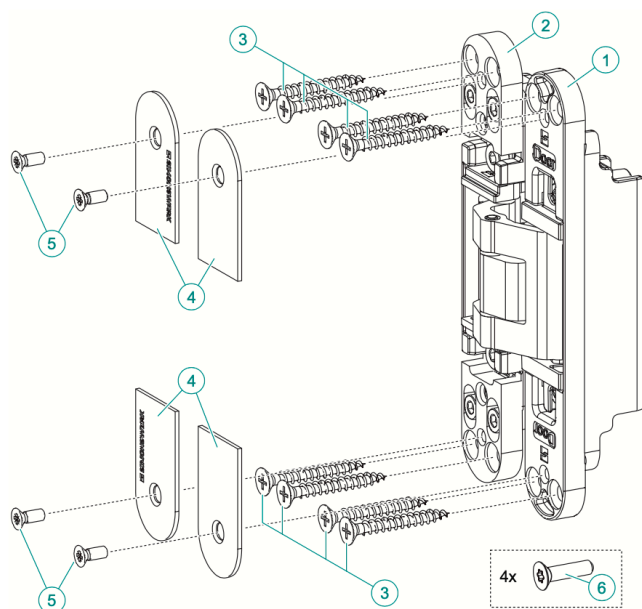
 Warringtonfire

Classification key

3	7	4	1 ^{*1}	1	— ^{*2}	0	11
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^{*1} Test evidence for functional doors to be achieved with full door sets and assemblies.

^{*2} depending on the finish



Belastungswert / Load capacity / Valeur de charge / Valor de carga

< 80 kg

3D-Verstellung / 3D adjustment / Réglage 3D / Ajuste 3D

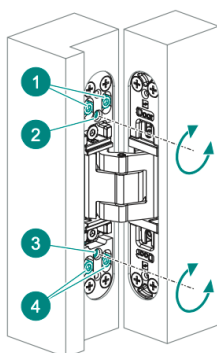
◁ ±3 mm

◇ ±3 mm

▢ ±1 mm

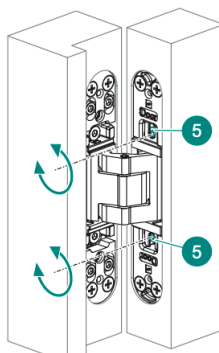
Lieferumfang / Scope of supply / Livraison / Material incluido

	DE Bandsystem / EN Hinge system / FR Système de paumelle / ES Sistema de bisagras		1 2 4
8x	5x40 mm	⊕	3
4x	M4x10 mm	⊕	5
4x	M5x20 mm	⊕	6

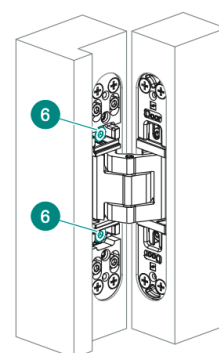


以1/4圈> 1圈的相反方向松开1
和4圈>用3圈将门部件固定到
正确位置>拧紧1 (8 Nm)

>释放3>拧紧4 (8 Nm) 。 均
匀调整铰链！



用5均匀地将门部件固定到正
确的位置。铰链门部件一定
不能伸出！



稍微松开6>均匀地将门部件
放入正确的深度>拧紧6 (8
Nm) 。



Satin Chrome Look (124)



RAL 9005 Matte Deep Black (107)



polished brass (030)

TE340 3D 常备库存色 (三色可选)

TECTUS®

承重60KG,常备库存

TE 240 3D

for unrebated and rebated flush residential doors

hinge		up to 60 kg
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Product features		
▪ completely concealed hinge system		
▪ for timber, steel or aluminium frames		
▪ for unrebated and rebated flush residential doors		
▪ sideways closed hinge body for a homogeneous mortise appearance		
▪ 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.5 mm)		
▪ maintenance-free slide bearings		

Technical details		
load capacity	i two hinges per door leaf (1x2m)	60.0 kg
overall length		155.0 mm
width (frame part)		21.0 mm
width (door part)		18.0 mm
cutter diameter		16.0 mm
opening angle		180°

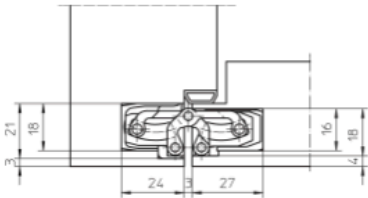
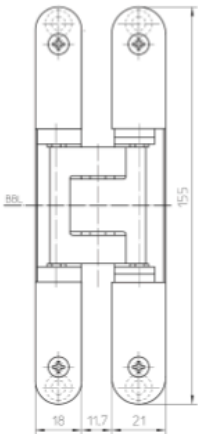
Finishes
Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), polished brassed (030), polished nickelled (038), Bronze Finish (174), Bronze Finish Light (175), Bronze Finish Dark (176), coloured (079), other finishes available upon request

Combination		
receiver	casing frame	TE 240 3D FZ/1
	steel frame	TE 240 3D SZ
	steel door	TE 240 3D ST

Installation tools		
jig		universal milling frame
frame	template	No. 5 250691 6
door	template	No. 5 250692 6
Detailed information in our PRODUCTSELECTOR at www.simonswerk.com		

Note
i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m).
With an opening position of 180° the door may have to be fixed additionally.

Classification key							
2	7	2	0	1	*	0	7
*depending on the finish							



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TECTUS®

承重120KG,常备库存 (银色F1)

TE 540 3D

for unrebated heavy-duty doors

hinge		up to 120 kg
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Product features

- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebated heavy-duty doors
- sideways closed hinge body for a homogeneous mortise appearance
- comfortable 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Technical details

load capacity	i two hinges per door leaf (1x2m)	120.0 kg
overall length		200.0 mm
width (frame part)		32.0 mm
width (door part)		32.0 mm
cutter diameter		24.0 mm
opening angle		180°

Finishes

Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), polished brass (030), polished nickelled (038), Bronze Finish (174), Bronze Finish Light (175), Bronze Finish Dark (176), coloured (079), other finishes available upon request

Combination

receiver	casing frame	TE 540 3D FZ/1
	steel frame	TE 540 3D SZ
	steel door	TE 540 3D ST

Installation tools

jig		universal milling frame
step 1	template	No. 5 250680 5
step 2	template	No. 5 250681 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

Functional areas

fire resistance, smoke resistance, soundproof, burglar resistance

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m).

With an opening position of 180° the door may have to be fixed additionally.

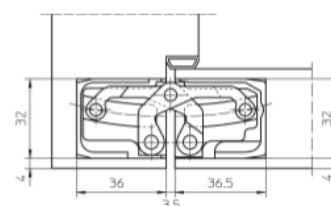
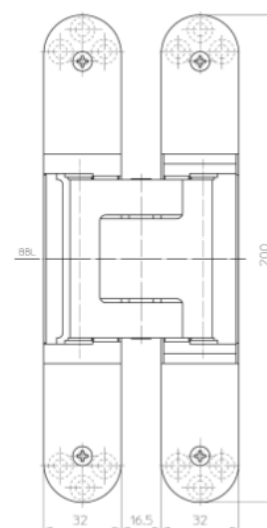
Classification key

4	7	6	1	1	*	1	13
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*depending on the finish



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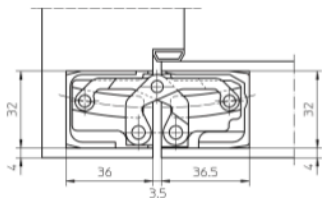
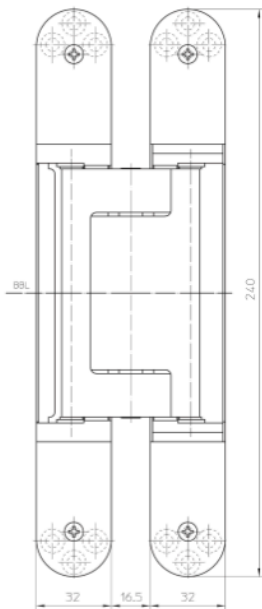


承重200KG,非常备库存

TECTUS®



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TE 640 3D

for unrebated high performance heavy-duty doors

hinge		up to 200 kg
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Product features

- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebated high performance heavy-duty doors
- sideways closed hinge body for a homogeneous mortise appearance
- comfortable 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Technical details

load capacity	i two hinges per door leaf (1x2m)	200.0 kg
overall length		240.0 mm
width (frame part)		32.0 mm
width (door part)		32.0 mm
cutter diameter		24.0 mm
opening angle		180°

Finishes

Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), polished brass (030), polished nickelled (038), Bronze Finish (174), Bronze Finish Light (175), Bronze Finish Dark (176), coloured (079), other finishes available upon request

Combination

receiver	block frame	TE 640 3D BW
	casing frame	TE 640 3D FZ/1
	steel frame	TE 640 3D SZ
	steel door	TE 640 3D ST

Installation tools

jig		universal milling frame
step 1	template	No. 5 250659 5
step 2	template	No. 5 250689 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

Functional areas

fire resistance, smoke resistance, soundproof, burglar resistance

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m). Also the load capacities of the respective combined receiver have to be taken into consideration.

With an opening position of 180° the door may have to be fixed additionally.

Classification key

4	7	6	1	1	*	1	14
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*depending on the finish

TECTUS®

承重300KG,非常备库存

TE 645 3D

for unrebutted high performance heavy-duty doors

hinge		up to 300 kg
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Product features

- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebutted high performance heavy-duty doors
- sideways closed hinge body for a homogeneous mortise appearance
- comfortable 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Technical details

load capacity	i two hinges per door leaf (1x2m)	300.0 kg
width (frame part)		36.0 mm
width (door part)		34.0 mm
length (frame part)		280.0 mm
length (door part)		260.0 mm
cutter diameter		24.0 mm
opening angle		180°

Finishes

Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), other finishes available upon request

Combination

receiver	steel frame	TE 645 3D SZ
	steel door	TE 645 3D ST

Installation tools

jig		universal milling frame lang
frame, step 1	template	No. 5 250945 5
frame, step 2	template	No. 5 250946 5
door, step 1	template	No. 5 250947 5
door, step 2	template	No. 5 250948 5

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

Functional areas

fire resistance, smoke resistance, soundproof, burglar resistance

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m).

Also the load capacities of the respective combined receiver have to be taken into consideration.

Application on steel frames is subject to special frame facings.

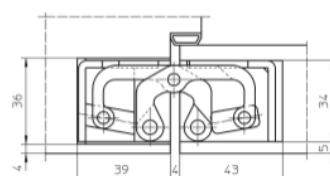
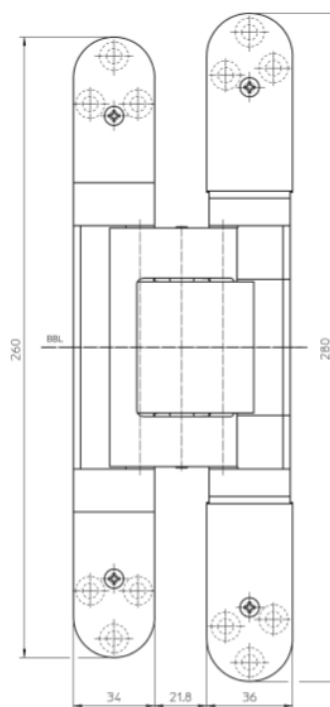
With an opening position of 180° the door may have to be fixed additionally.

Classification key

4	7	7	1	1	4	1	14
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TECTUS A8系列暗铰链

适用于门扇和墙面均有
不可开孔的装饰板覆盖
时使用

装饰板最大厚度8mm

外开隐形门最佳选择

TE540 3D A8 承重100KG

TE640 3D A8 承重160KG

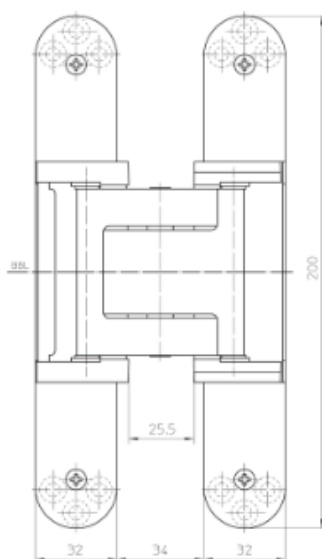
TE626 3D A8 承重300KG

100%德国制造 

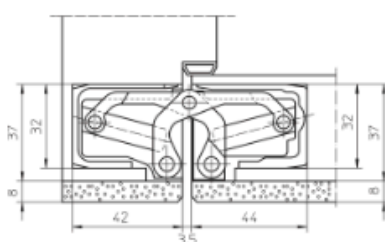
TECTUS®



e.g. TE 540 3D A8



e.g. TE 540 3D A8



e.g. TE 540 3D A8

TECTUS A8

for unrebated heavy-duty doors with claddings up to 8 mm

hinge	cladding	100 – 300 kg
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Product features

- claddings up to 8 mm
- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebated heavy-duty doors
- sideways closed hinge body for a homogeneous mortise appearance
- comfortable 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Finishes

Satin Stainless Steel (040) (TE 626 3D A8 only), Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), polished brass (030), polished nickelled (038), Bronze Finish (174), Bronze Finish Light (175), Bronze Finish Dark (176), coloured (079), other finishes available upon request

Combination

receiver	casing frame	TE ... 3D FZ/L
	steel frame	TE ... 3D A8 SZ
	steel door	TE ... 3D A8 ST
accessories	cover plate set	TE 540/640 3D A8 radius

Functional areas

fire resistance, smoke resistance, soundproof, burglar resistance

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m).

With an opening position of 180° the door may have to be fixed additionally.

Classification key

4	7	5	1	1	*	1	12a
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*depending on the finish

Available options

load capacity up to 100 kg	TE 540 3D A8
	TE 540 3D A8 Energy
load capacity up to 160 kg	TE 640 3D A8
	TE 640 3D A8 Energy
load capacity up to 300 kg	TE 626 3D A8
	TE 626 3D A8 Energy

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

常备库存：TE540 3D A8（银色、黑色）、TE 640 3D A8（黑色）



TECTUS FVZ偏芯暗铰链

适用于墙面均有不可开孔的装饰板覆盖时使用

装饰板最大厚度14mm

外开隐形门最佳选择

TE311 3D FVZ40 承重600KG

TE311 3D FVZ44 承重600KG

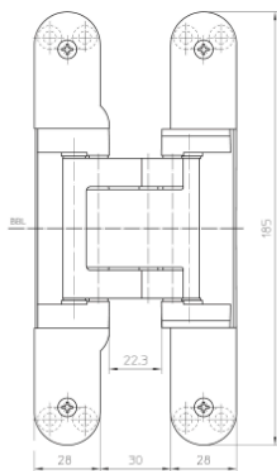
TE541 3D FVZ 承重100KG

100%德国制造 

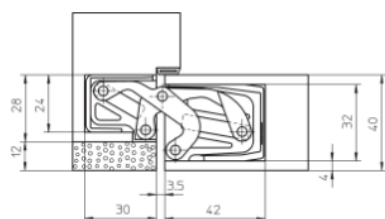
TECTUS®



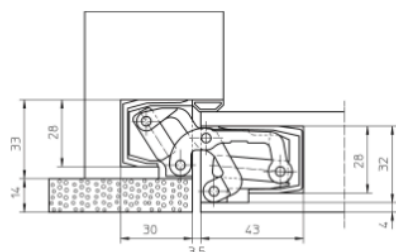
e.g. TE 541 3D FVZ



e.g. TE 541 3D FVZ



e.g. TE 311 3D FVZ 40



e.g. TE 541 3D FVZ

TECTUS FVZ

for unrebutted residential and heavy-duty doors with recessed frame facings

hinge	recessed frame facings	60 – 100 kg
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Product features

- FVZ = recessed frame facings
- recessed frame facing 12.0 or 14.0 mm
- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebutted heavy-duty doors
- sideways closed hinge body for a homogeneous mortise appearance
- 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Finishes

Satin Chrome Look (F1) (124), Satin Nickel Look (F2) (125), Stainless Steel Look (SSL) (126), coloured (079), other finishes available upon request

Combination

receiver	casing frame	TE ... FVZ FZ/1
	steel frame	TE ... FVZ SZ
	steel door	TE ... FVZ ST

Functional areas

fire resistance, smoke resistance, soundproof

Note

i The load capacity mentioned above refers to the use of two hinges per door leaf (1 x 2 m).

Classification key

4	7	5	1	1	*	0	12
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*depending on the finish

Available options

load capacity up to 60 kg	door thickness 40 mm	TE 311 3D FVZ 40
	door thickness 44 mm	TE 311 3D FVZ 44
load capacity up to 100 kg		TE 541 3D FVZ

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

常备库存：TE541 3D FVZ（银色）

26 | TECTUS®

www.tectus.com

TECTUS® ENERGY INTEGRATED AND PERMANENT ENERGY TRANSFER

Energy transfer is crucially important in the installation and operation of electric components in high-quality doors. With TECTUS Energy, the door leaf receives a guaranteed and permanent energy supply from the frame, without weakening the structure of either the door or the frame. The technology provided by TECTUS Energy offers compatibility with all the most popular designs for locks and fittings.

ADAPTER TECHNOLOGY

- › compatibility with all the most popular designs for locks and fittings
- › three different plug connections (round cable, universal adapter, adapter 1)*

FLAT RIBBON CABLE

- › 16-wire ribbon cable
- › integrated permanent energy transfer
- › entirely enclosed in the housing (closed system)

CLIP

- › secure connection between cable and hinge housing
- › high functional reliability and fitness for purpose thanks to a closed system

TECTUS ENERGY

三维可调过线暗铰链

能量传递对于高质量门中电子组件的安装和操作至关重要。

使用TECTUS Energy，门扇可从框架获得持久的有保证的能量供应，而不会削弱门或框架的结构。

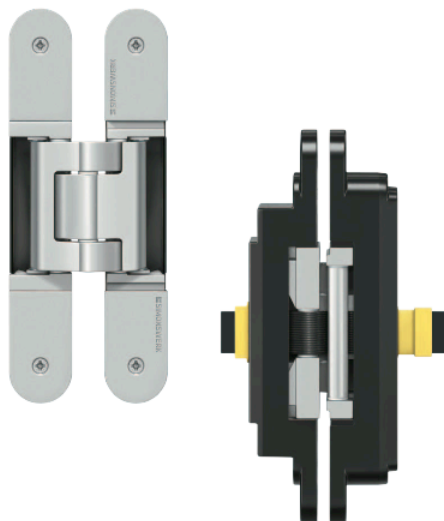
TECTUS Energy提供的技术可与所有最流行的锁和配件设计兼容。

TECTUS的主要系列产品都有匹配的EVERGY系列产品供应

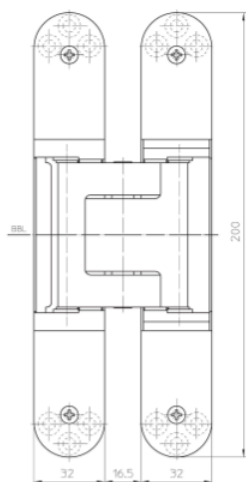
承重从60KG起，最高可达300KG

100%德国制造 

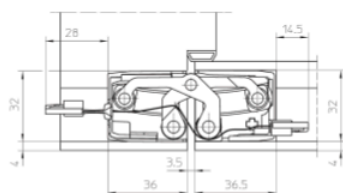
TECTUS®



e.g. TE 540 3D Energy



e.g. TE 540 3D Energy



e.g. TE 540 3D Energy

暗藏过线三维暗铰链
非常备库存

TECTUS Energy

with permanent energy transfer for unrebutted heavy-duty doors

hinge	energy transfer	60 – 300 kg
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Product features

- with permanent energy transfer
- individual connection adapter options
- completely concealed hinge system
- for timber, steel or aluminium frames
- for unrebutted heavy-duty doors
- 3D adjustment (side +/- 3.0 mm, height +/- 3.0 mm, compression +/- 1.0 mm)
- maintenance-free slide bearings

Technical details

no. of wires/wire cross section	16 pieces/0,14 mm ²
max. voltage	50 V (voltage source acc. SELV-DIN EN 61140)
max. current	0,8 A (per wire)
opening angle	180°

Finishes

Satin Stainless Steel (040) (TE 526 3D Energy and TE 626 3D A8 Energy only), Satin Chrome Look (F1) (124), Stainless Steel Look (SSL) (126), other finishes available upon request

Combination

receiver	casing frame	TE ... 3D FZ
	steel frame	TE ... 3D SZ
	steel door	TE ... 3D ST
accessories	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
	adapter 1	3 x 3.2 A and 4 x 0.8 A power
	special adapter for connecting FUHR motor locks	

Functional areas

fire resistance, smoke resistance, soundproof, burglar resistance

Note

The load capacity refers to the use of 2 hinges per door leaf (1 x 2 m). Please specify accessories when ordering.

Classification key

4	7	6	1	1	*	1	13
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*depending on the finish

Available options

load capacity up to 60 kg	TE 240 3D Energy
load capacity up to 80 kg	TE 340 3D Energy
load capacity up to 100 kg	TE 540 3D A8 Energy
load capacity up to 120 kg	TE 526 3D Energy
	TE 540 3D Energy
load capacity up to 160 kg	TE 640 3D A8 Energy
load capacity up to 200 kg	TE 640 3D Energy
load capacity up to 300 kg	TE 645 3D Energy
	TE 626 3D A8 Energy

Detailed information in our PRODUCTSELECTOR at www.simonswerk.com

QUALITY MARKS



FUNCTIONAL AREAS

