

Concealed Hinges/SOSS Style

A concealed hinge that's also known as an invisible hinge because it's hidden from view when a door or cabinet is closed. They are used on passage doors

- Brands
 - SOSS
 - Purchase from www.epivots.com
 - Pros
 - Industry Standard
 - Many color options
 - Door Closer Options
 - Helpful Website - <https://www.soss.com/>
 - Cons
 - No Adjustment in hinge
 - Startec (Adjustable)
 - purchase from Hafele
 - Tectus (Adjustable)
 - purchase from Hafele
 - Hafele 3-way Adjustable (Adjustable)
 - purchase from Hafele

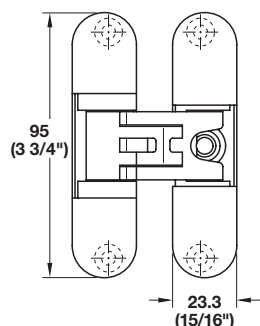
OCM Rules for hinge templates

- Always make the jig!
- Since concealed hinges are typically 2 depths, 2 jigs are always needed. ID and OD
- Jigs to be the exact size of cutout, cabinet makers will use a template bearing router bit.
- Always use an edge block as a stop
- Modify jigs to layout all hinge cutouts per door (example – 3 hinges cutout for door that gets 3 hinges)
-

StarTec®

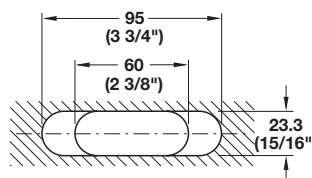
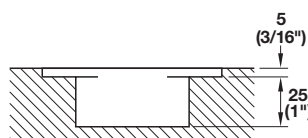
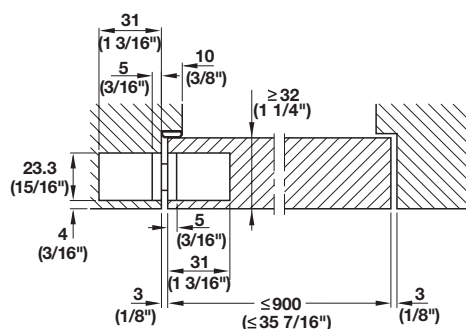
- > For flush interior wood doors - 3D Adjustable
- > Suitable for left or right hand installation

→ H2



- > Door weight: max. 45 kg (99 lbs.) with 2 hinges
max. 60 kg (132 lbs.) with 3 hinges
- > Opening angle: max. 180°
- > Door width: max. 900 mm (35 7/16")
- > Door height: max. 2000 mm (78 3/4")
max. 2100 mm (82 11/16") use 4 hinges
- > Door thickness: min. 32 mm (1 1/4")
- > Adjustability: Continuously three dimensional adjustable
Height: ± 2.5 mm (3/32"),
Lateral: +3 mm/-2 mm (+1/8"/-1/16")
On contact: ± 1 mm (1/32")
- > Material: Zinc Die-cast

Mounting



Finish

- satin chrome
- satin nickel
- gold polished

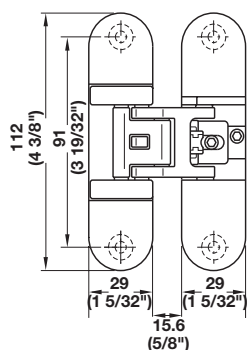
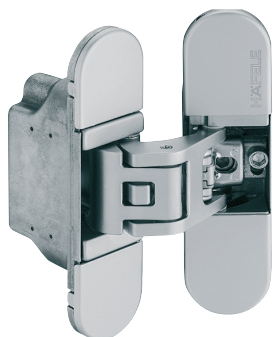
Item No.

- 927.91.544
- 927.91.546
- 927.91.548

Note

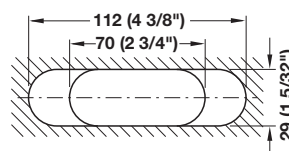
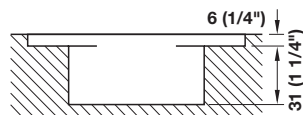
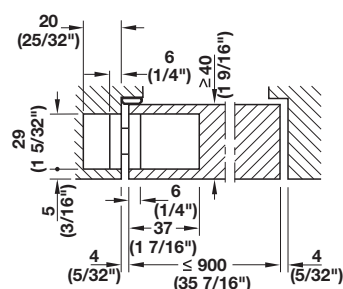
When using the receiving element the milling dimensions may change.

→ H7



- > Door weight: max. 50 kg (110 lbs.) with 2 hinges
max. 70 kg (154 lbs.) with 3 hinges
- > Opening angle: max. 180°
- > Door width: max. 900 mm (35 7/16")
- > Door height: max. 2700 mm (8' 10 5/16")
max. 2400 mm (7' 10 1/2") use 4 hinges
- > Door thickness: min. 40 mm (1 9/16")
- > Adjustability: Continuously three dimensional adjustable
Height: ± 3.0 mm (1/8")
Lateral: +3 mm/-2 mm (+1/8"/-1/16")
On contact: ± 1 mm (1/32")
- > Material: Zinc Die-cast

Mounting



Finish

- satin chrome
- satin nickel
- gold polished

Item No.

- 927.91.554
- 927.91.556
- 927.91.558

Note

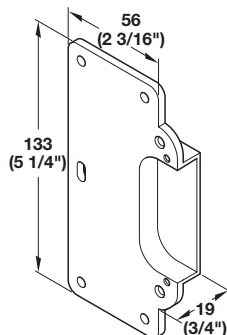
When using the receiving element the milling dimensions may change.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

StarTec®

> Suitable for left or right hand installation

→ Receiving Element - For H2



> For concealed hinge H2 installed into a wood door frame
> Material: Zinc Die-cast

Item No.

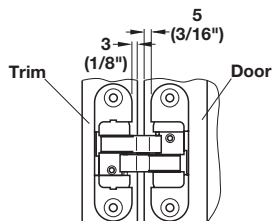
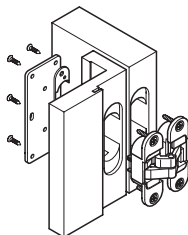
927.91.590

Note

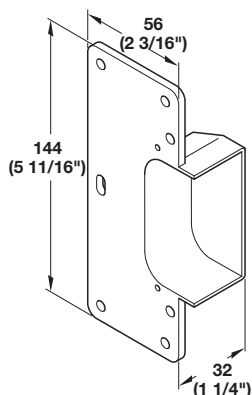
When using the receiving element the milling dimensions may change.

4

Mounting



→ Receiving Element - For H7



> For concealed hinge H7 installed into a wood door frame
> Material: Zinc Die-cast

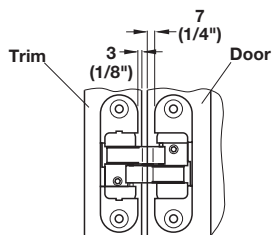
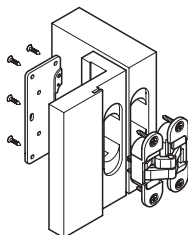
Item No.

927.91.490

Note

When using the receiving element the milling dimensions may change.

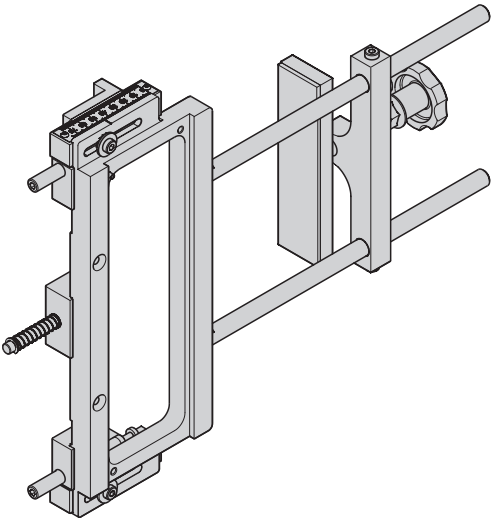
Mounting



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

StarTec® - 3D Adjustable

→ Universal Routing Jig

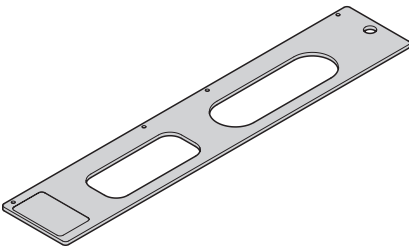


> Mounting aid for Startec H2/H7 routing templates

Item No.
927.91.900

Supplied With
Universal routing jig
Clamping device

→ H2/H7 Routing Template



> For routing the hinge recesses for Startec H2/H7 concealed mortise hinges

Version	Item No.
For H2 door hinge	927.91.901
For H7 door hinge	927.91.902

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

StarTec® - 3D Adjustable



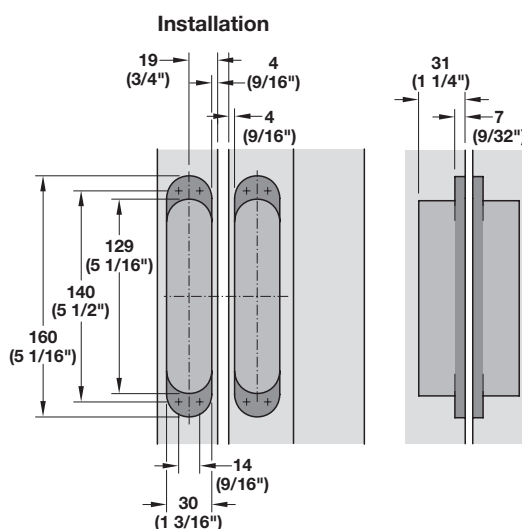
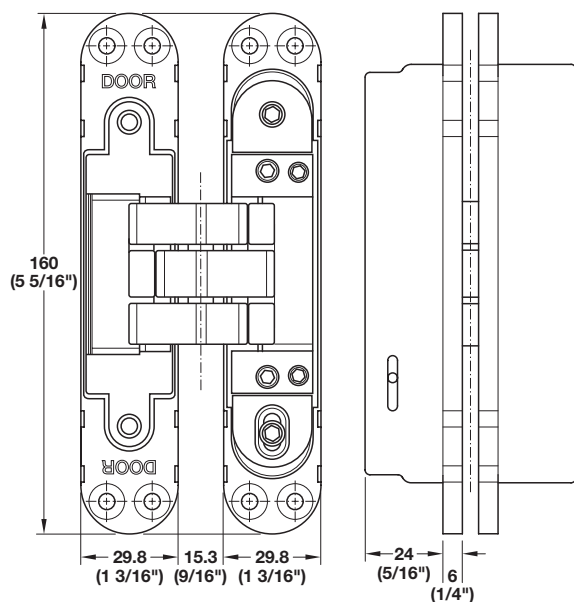
> For interior doors

- > For wood frames, for flush wood interior doors
- > Door weight: max. 80 kg (176 lbs.) with 2 door hinges
max. 100 kg (220 lbs.) with 3 door hinges
- > Door height: max. 2000 mm (max. 78 3/4")
min. 2100 mm (min. 82 11/16") use 4 hinges
- > Door thickness: min. 40 mm (1 5/8")
- > Opening angle: 180°
- > Continuously 3D adjustable: Height: ± 3 mm (1/8")
Side: $+3/-2$ mm (1/8-1/16")
Closing pressure: ± 1 mm (1/32")
- > Material: Zinc Alloy

Finish	Item No.
chrome-plated matt	927.91.634
nickel-plated matt	927.91.636
matt black	927.91.633
polished brass	927.91.638

4

Door Hinges



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

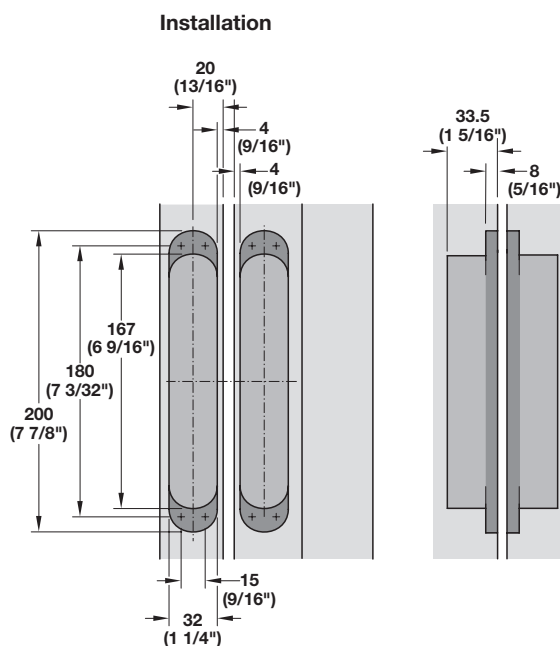
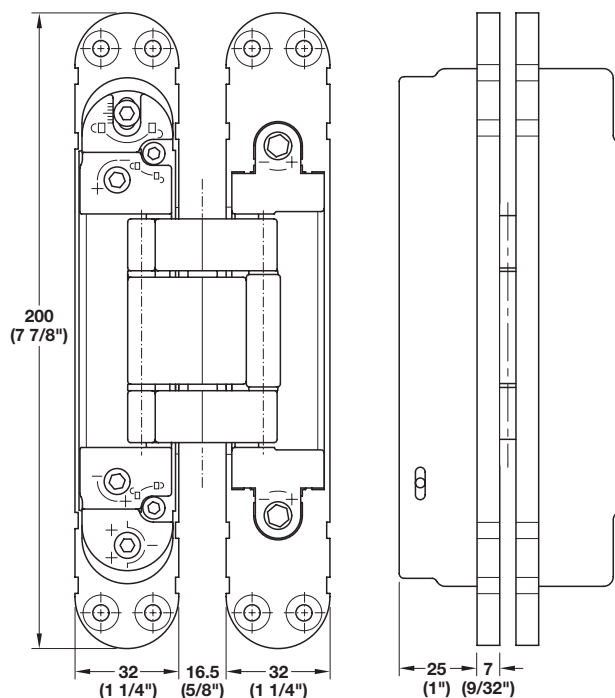
StarTec® - 3D Adjustable



> For interior doors

- > For wood frames, for flush wood interior doors
- > Door weight: max. 120 kg (264 lbs.) with 2 door hinges
max. 140 kg (309 lbs.) with 3 door hinges
- > Door thickness: min. 40 mm (1 5/8")
- > Opening angle: 180°
- > Continuously 3D adjustable: Height: ± 3 mm (1/8")
Side: $+3/-2$ mm (1/8–1/16")
Closing pressure: ± 1 mm
- > Material: Zinc Alloy

Finish	Item No.
chrome-plated matt	927.91.624
nickel-plated matt	927.91.626



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

StarTec® - 3D Adjustable



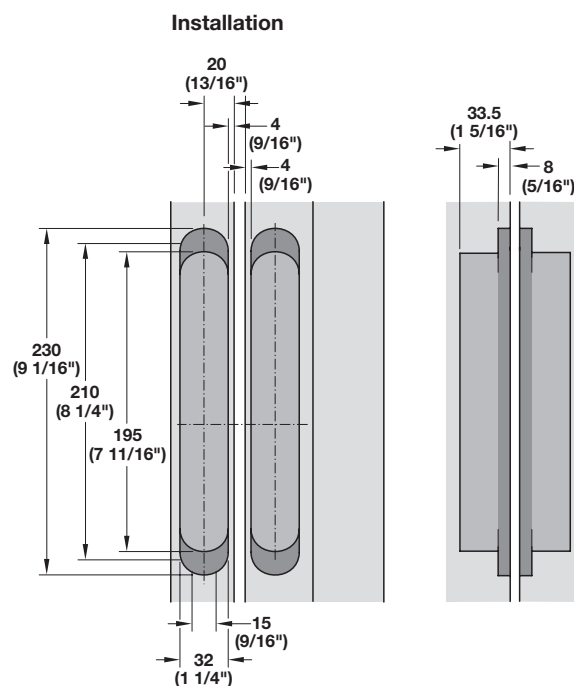
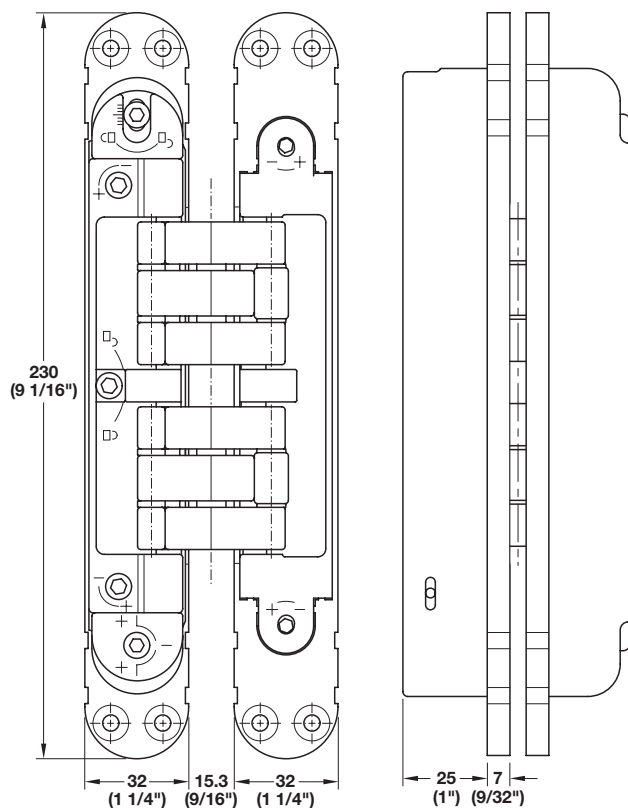
> For interior doors

- > For wood frames, for flush wood interior doors
- > Door weight: max. 200 kg (441 lbs.) with 2 door hinges
- > Door thickness: min. 40 mm (1 5/8")
- > Opening angle: 180°
- > Continuously 3D adjustable: Height: ± 3 mm (1/8")
Side: $+3/-2$ mm (1/8-1/16")
Closing pressure: ± 1 mm (1/32")
- > Material: Zinc Alloy

Finish	Item No.
chrome-plated matt	927.91.644
nickel-plated matt	927.91.646

4

Door Hinges



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

StarTec® - 3D Adjustable



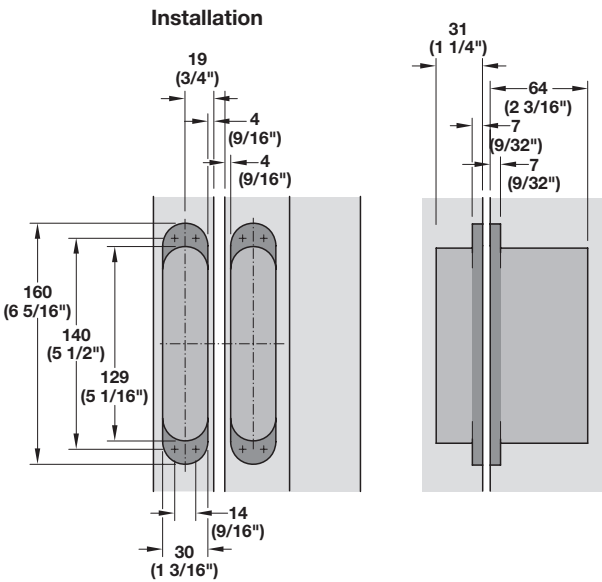
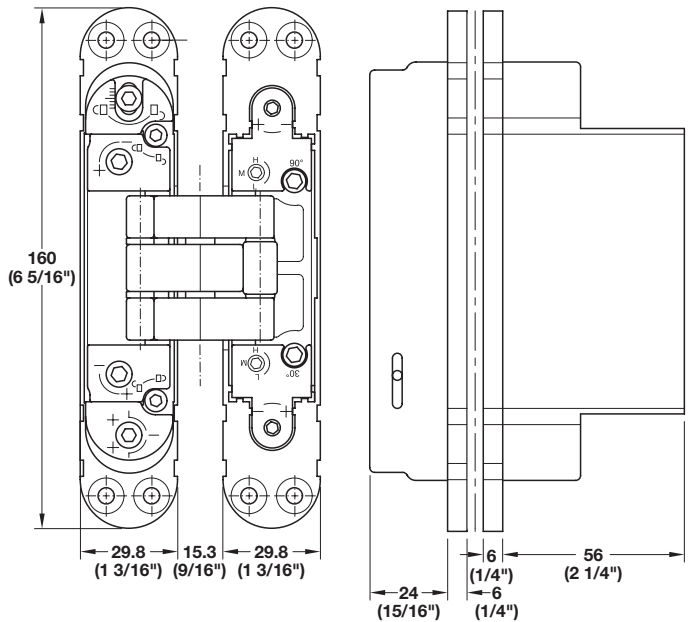
> For interior doors

- > For wood frames, for flush wood interior doors
- > Door weight: max. 60 kg (132 lbs.) with 3 door hinges
- > Door thickness: min. 40 mm (1 5/8")
- > Opening angle: 180°
- > Continuously 3D adjustable: Height: ± 3 mm (1/8")
Side: ± 3 mm (1/8–1/16")
Closing pressure: ± 1 mm (1/32"),
closing force with 3 settings
- > Material: Zinc Alloy

Finish	Item No.
chrome-plated matt	927.91.614
nickel-plated matt	927.91.616

Note

Doors close automatically by means of the locking mechanism.



Variant Hinges

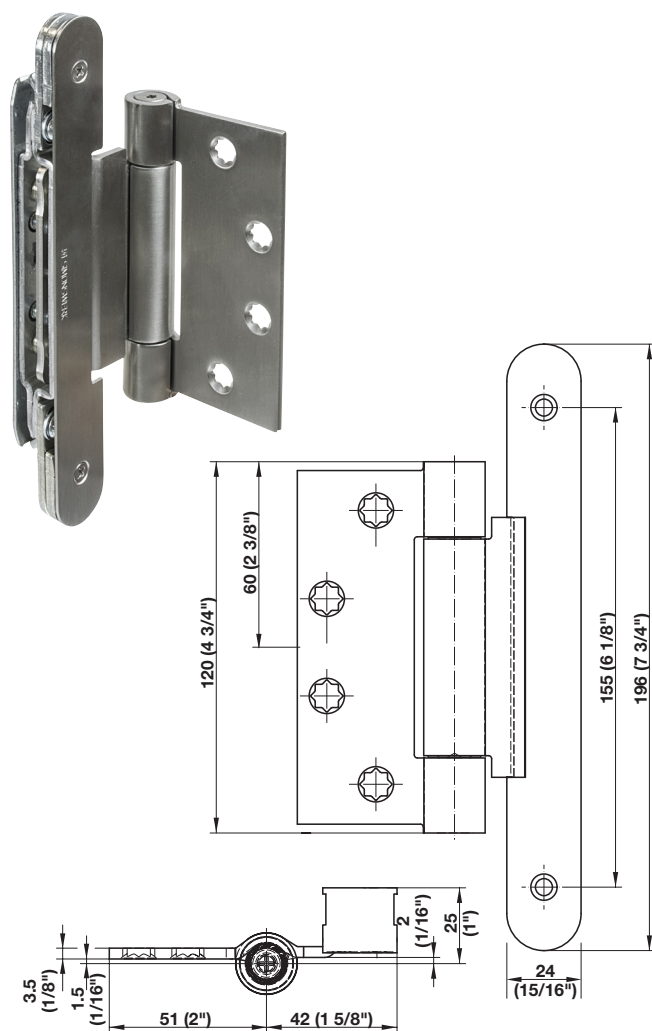
- > For high performance commercial doors
- > Fits to existing standard frame prep
- > For hollow metal and wood doors
- > Maintenance free slide bearings
- > Fire and smoke resistant

→ VN 2927/4 1/2" x 4" K Compact Kit

→ VN 2927/4 1/2" x 4 1/2" K Compact Kit

4

Door Hinges

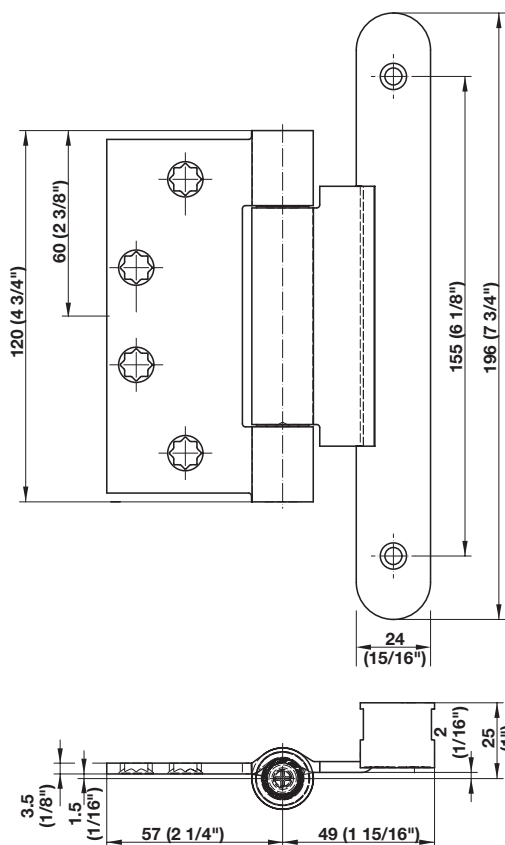


- > Weight capacity: 120 kg (264 lbs.)
- > Knuckle diameter: 20 mm (7/8")
- > Material thickness: 3.5 mm (1/8")
- > Easily adjustable in three dimensions by turning a 4 mm hex key
Side: +/- 3 mm (1/8"); Height: +/- 3 mm (1/8");
Compression: +/- 1 mm (1/32")
- > Material: 304 Stainless Steel

Version	Item No.
wood door	927.01.800
metal door	927.01.810

Supplied With

Machine and wood screws



- > Weight capacity: 120 kg (264 lbs.)
- > Knuckle diameter: 20 mm (7/8")
- > Material thickness: 3.5 mm (1/8")
- > Easily adjustable in three dimensions by turning a 4 mm hex key
Side: +/- 3 mm (1/8"); Height: +/- 3 mm (1/8");
Compression: +/- 1 mm (1/32")
- > Material: 304 Stainless Steel

Version	Item No.
wood door	927.01.820
metal door	927.01.830

Supplied With

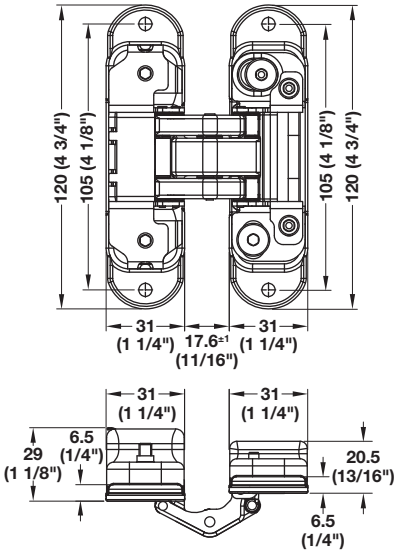
Machine and wood screws

Note

The weight capacity above refers to the use of 2 hinges per door with a height/weight ratio of 2:1

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Atomika Hinges



- > Opening angle 180°
- > Continuous and easy 3-D adjustability
- > Weight capacity for 2 hinges: 60 kg (132 lbs.)
- > ANSI/UL 10C Certified
- > Material: Steel

Finish	Item No.
polished chrome	927.91.322
matt black	927.91.323
satin chrome	927.91.324
satin nickel	927.91.326
white	927.91.327
polished brass	927.91.328
bronze	927.91.329

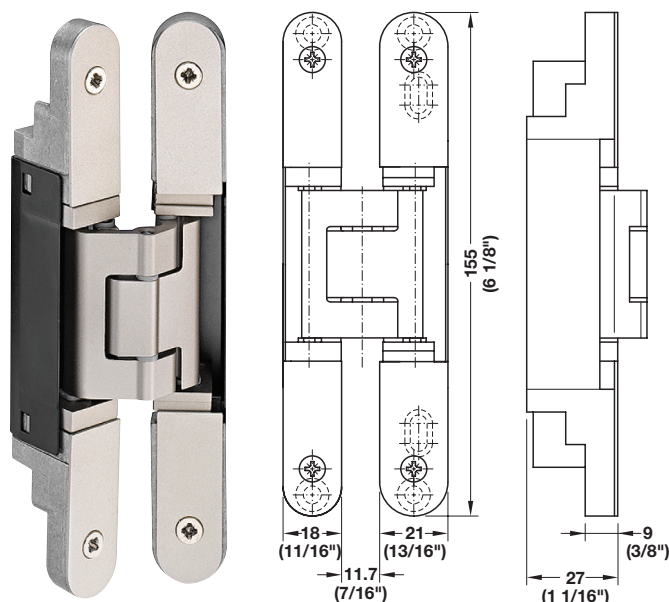
TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications

→ TE 240 3D

4

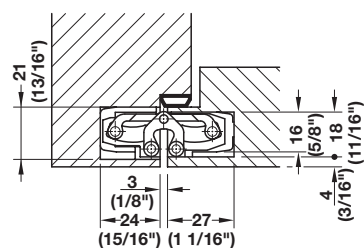
Door Hinges



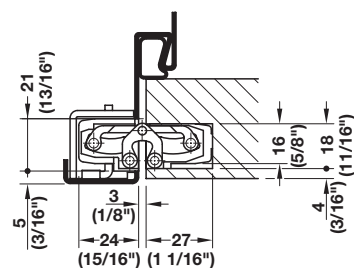
- > Door weight: max. 60 kg (132 lbs.)
- > Door thickness: min. 25 mm (1")
- > Opening angle: max. 180°
- > Router bit Ø: 16 mm (5/8")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.5 mm (1/16")
- > Material: Aluminum die-cast

Finish	SW	Item No.
stainless steel look	126	924.18.904
bronze metallic	168	924.18.917
bronze finish light	175	924.18.920
satin chrome look	124	924.18.921
satin nickel look	125	924.18.922
bronze finish dark	176	924.18.925
polished nickel	038	924.18.970
polished brass	030	924.18.980
satin brass	047	924.18.990
traffic white (RAL9016)	070	924.18.901
bronze finish	174	924.18.910
rustic umber	156	924.18.916
matt deep black (RAL9005)	107	924.18.937
satin chrome	146	924.18.942
satin nickel	144	924.18.971

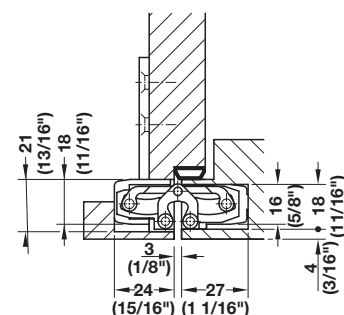
Mounting



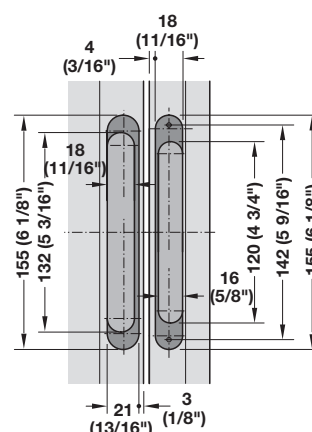
Mounted to a wood door frame



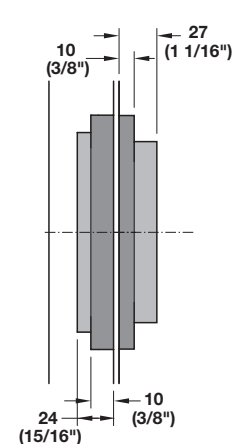
Mounted to a hollow metal frame with a receiver element



Mounted to a wood door jamb together with a mounting plate



Milling template for a wood door frame



Mounting plates	page 4.25
Receiving elements	page 4.26

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 60 minute rated fire doors (maximum door size: 4' x 8' for a single door, 8' x 8' for a pair of doors)

Technical drawing of a 160mm hinge, showing isometric, front, and side views with dimensions in millimeters and inches.

Isometric View: Shows the hinge assembly with four mounting plates. The central knuckle is black, and the mounting plates are silver. The hinge is shown in a partially open position.

Front View: Shows the hinge with dimensions:

- Overall height: 160 (6 5/16")
- Top mounting plate width: 28 (1 1/8")
- Bottom mounting plate width: 28 (1 1/8")
- Knuckle width: 17.5 (11/16")

Side View: Shows the hinge with dimensions:

- Overall width: 34 (1 5/16")
- Knuckle thickness: 9 (3/8")

Mounted to a wood door frame

28 (1 1/8")

3.5 (1/8")

31 (1 1/4")

33.5 (1 5/16")

4 (3/16")

28 (1 1/8")

Mounted to a metal door frame

28 (1 1/8")

5 (3/16")

3.5 (1/8")

31 (1 1/4")

33.5 (1 5/16")

4 (3/16")

1 (1/16")

≥38 (≥1 1/2")

Technical drawing of the mounting plate assembly showing dimensions and installation details. The drawing includes a side view and a top view. The side view shows the mounting plate (28 (1 1/8")) being mounted to a wood door jamb (4 (3/16")). The top view shows the mounting plate (31 (1 1/4")) and the wood door jamb (33.5 (1 5/16")). The dimensions are given in inches and fractions of an inch.

Mounted to a wood door jamb together with a mounting plate

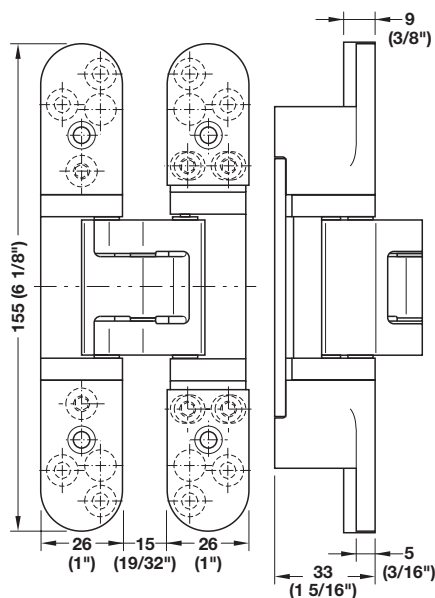
[illegible]

A = Rabbet depth excluding seal clearance
B = Door thickness
 $A - B + 3$ = Dimension X
The result has to fall between 3 mm (1/8") and maximum 5 mm (3/16").
For hollow metal frame applications X = 5 mm (3/16")

Finish	SW	Item No.
stainless steel look	126	924.17.104
satin chrome look	124	924.17.121
satin nickel look	125	924.17.122
matt deep black (RAL9005)	107	924.17.137
bronze metallic	168	924.17.150
rustic umber	156	924.17.116
satin nickel	144	924.17.171
polished nickel	038	924.17.170
polished brass	030	924.17.169
white (RAL9016)	070	924.17.177
bronze finish dark	176	924.17.152
satin brass	047	924.17.165
bronze finish	174	924.17.168
bronze finish light	175	924.17.174
satin chrome	146	924.17.164

TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 45 minute rated fire doors



- > Door weight: max. 120 kg (264 lbs.)
- > Door thickness: min. 35 mm (1 3/8")
- > Opening angle: max. 180°
- > Router bit Ø: 19 mm (3/4")
- > Collar ring Ø: 25.4 mm (1")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")

→ TE 526 3D

- > Material: Stainless Steel

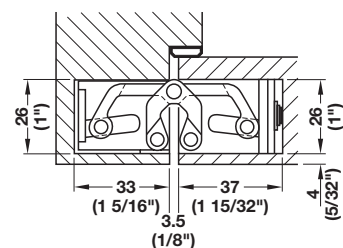
Finish	Item No.
satin	924.16.803

→ TE 527 3D

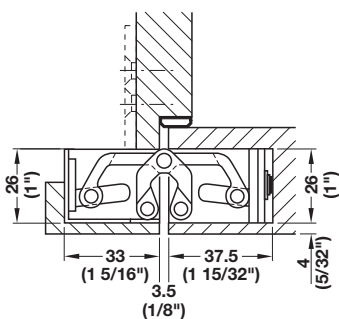
- > Material: Steel

Finish	SW	Item No.
stainless steel look	126	924.19.030
matt black	107	924.19.034
dark bronze	176	924.19.161
traffic white	070	924.19.024

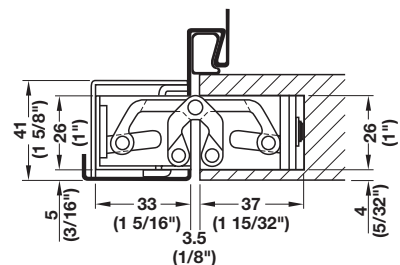
Mounting



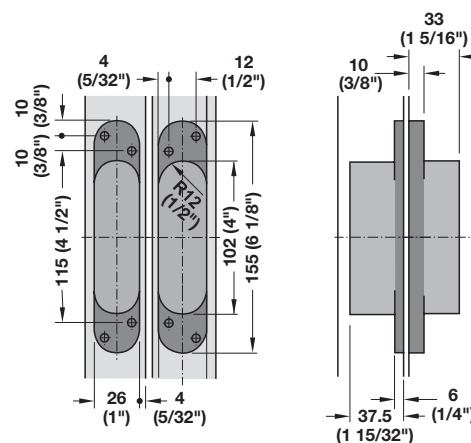
Mounted to a wood door frame



Mounted to a wood door jamb together with a mounting plate



Mounted to a hollow metal frame with a receiver element



Milling template for a wood door frame

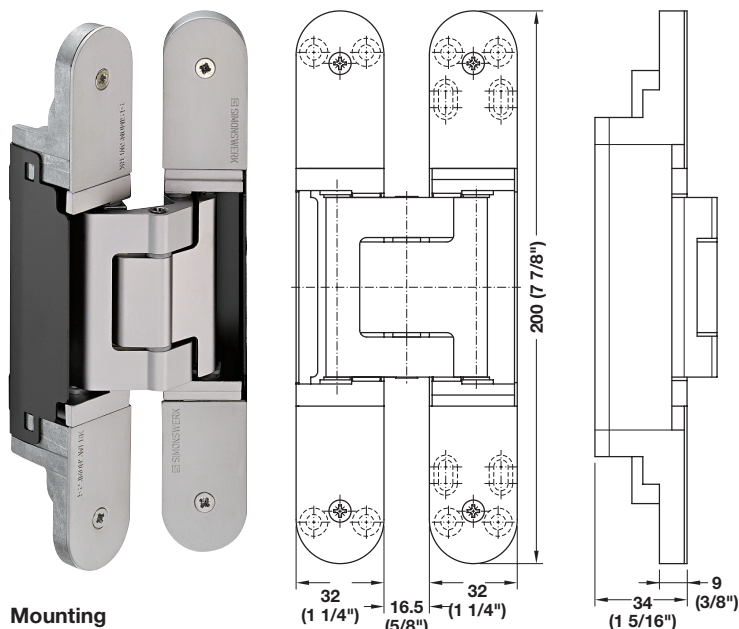
Mounting plates	page 4.25
Receiving elements	page 4.26

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

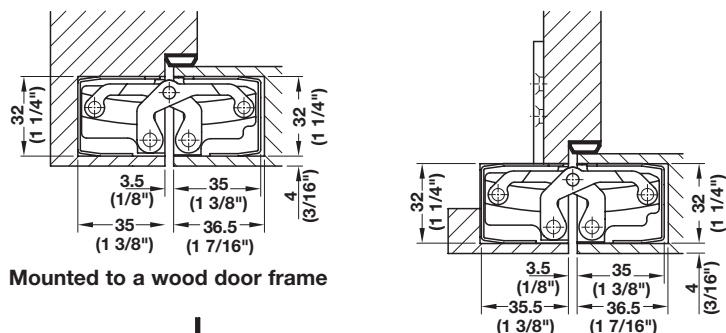
TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 20 minute rated fire doors (maximum door size: 4' x 8' for a single door, 8' x 8' for a pair of doors)

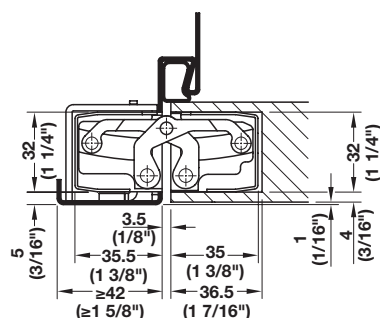
→ TE 540 3D



Mounting



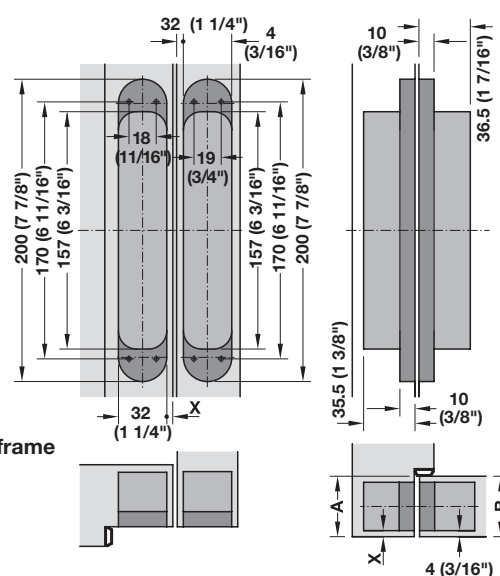
Mounted to a wood door frame



Mounted to a hollow metal frame with a receiver element

- > Door weight: max. 120 kg (264 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")
- > Material: Aluminum die-cast

Finish	SW	Item No.
stainless steel look	126	924.17.225
satin chrome look	124	924.17.223
satin nickel look	125	924.17.224
matt deep black (RAL9005)	107	924.17.237
bronze metallic	168	924.19.250
rustic umber	156	924.19.216
satin nickel	144	924.19.271
polished nickel	038	924.19.269
polished brass	030	924.19.281
bronze finish dark	176	924.17.261
traffic white (RAL9016)	070	924.19.201
bronze finish	174	924.19.210
satin chrome	146	924.19.242
bronze finish light	175	924.19.274
satin brass	047	924.19.285



Milling template for a wood door frame

Calculation of the milling dimensions:

A = Rabbet depth excluding seal clearance
B = Door thickness

A - B + 3 = Dimension X

The result has to fall between 3 mm (1/8") and maximum 5 mm (3/16").

For hollow metal frame applications X = 5 mm (3/16")

Mounting plates	page 4.51
Receiving elements	page 4.52

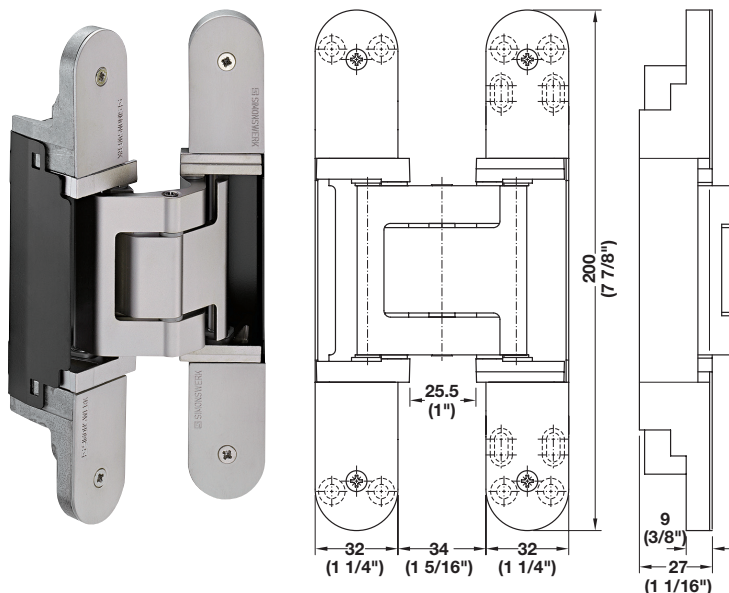
TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > With an additional up to 8 mm (5/16") thick surface applied panel
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 20 minute rated fire doors (maximum door size: 4' x 8' for a single door, 8' x 8' for a pair of doors)

→ TE 540 3D A8

4

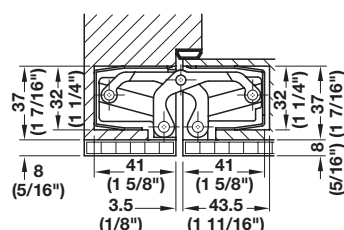
Door Hinges



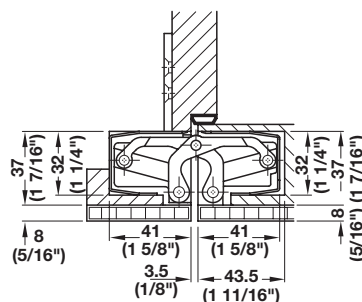
- > Door weight: max. 100 kg (220 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")
- > Material: Aluminum die-cast

Finish	SW	Item No.
stainless steel look	126	924.17.325
satin chrome look	124	924.17.323
satin nickel look	125	924.17.324
matt deep black (RAL9005)	107	924.19.337
bronze metallic	168	924.19.350
satin nickel	144	924.19.371
polished nickel	038	924.19.369
polished brass	030	924.19.380
rustic umber	156	924.19.351
bronze finish dark	176	924.19.352
satin brass	047	924.17.353
traffic white (RAL9016)	070	924.19.301
bronze finish	174	924.19.310
satin chrome	146	924.19.342
bronze finish light	175	924.19.374

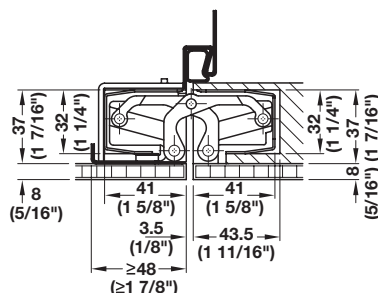
Mounting



Mounted to a wood door frame

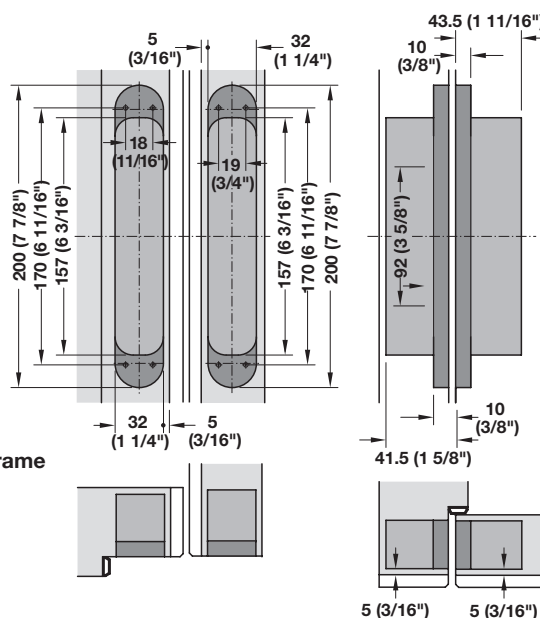


Mounted to a wood door jamb together with a mounting plate



Mounted to a hollow metal frame with a receiver element

Milling template for a wood door frame



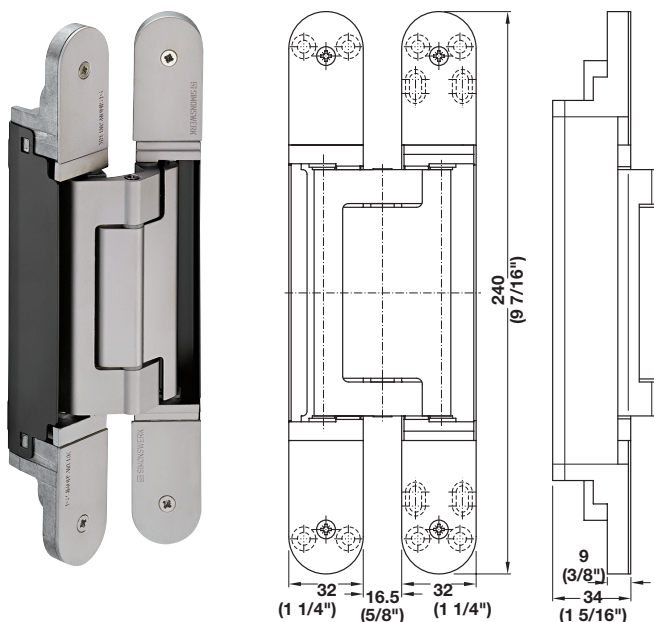
Mounting plates	page 4.25
Receiving elements	page 4.26

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 20 minute rated fire doors (maximum door size: 4' x 8' for a single door, 8' x 8' for a pair of doors)

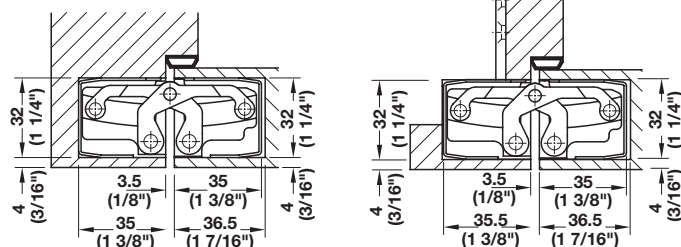
→ TE 640 3D



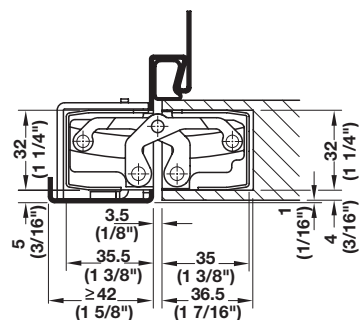
- > Door weight: max. 200 kg (440 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")
- > Material: Aluminum die-cast

Finish	SW	Item No.
stainless steel look	126	924.17.425
satin chrome look	124	924.17.423
satin nickel look	125	924.17.424
matt deep black (RAL9005)	107	924.19.437
bronze metallic	168	924.19.450
satin nickel	144	924.19.471
polished nickel	038	924.19.469
polished brass	030	924.19.480
rustic umber	156	924.19.451
traffic white (RAL9016)	070	924.19.401
bronze finish	174	924.19.410
satin chrome	146	924.19.442
bronze finish dark	176	924.19.452
bronze finish light	175	924.19.474

Mounting



Mounted to a wood door frame

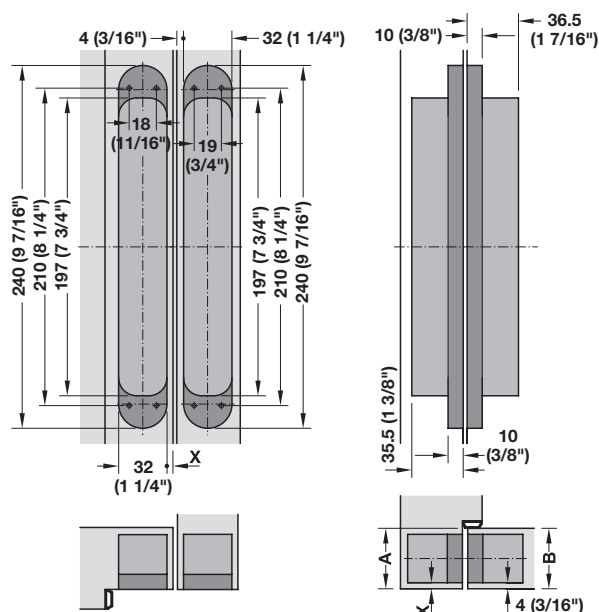


Mounted to a hollow metal frame with a receiver element

Mounted to a wood door jamb together with a mounting plate

Calculation of the milling dimensions:

A = Rabbet depth excluding seal clearance
B = Door thickness
A - B + 3 = Dimension X
The result has to fall between 3 mm (1/8") and maximum 5 mm (3/16").
For hollow metal frame applications X = 5 mm (3/16")



Milling template for a wood door frame

Mounting plates	page 4.25
Receiving elements	page 4.26

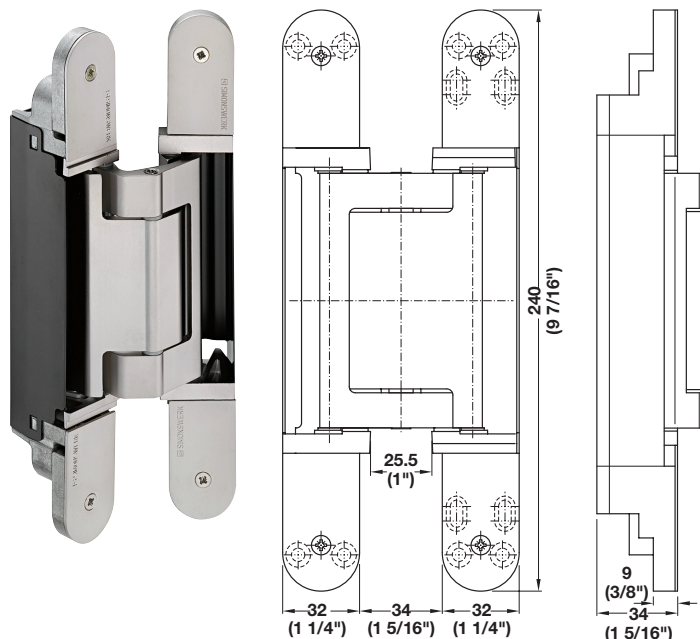
TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > With an additional up to 8 mm (5/16") thick surface applied panel
- > Maintenance-free slide bearings
- > Suitable for left and right hand applications
- > UL listed for 20 minute rated fire doors (maximum door size: 4' x 8' for a single door, 8' x 8' for a pair of doors)

→ TE 640 3D A8

4

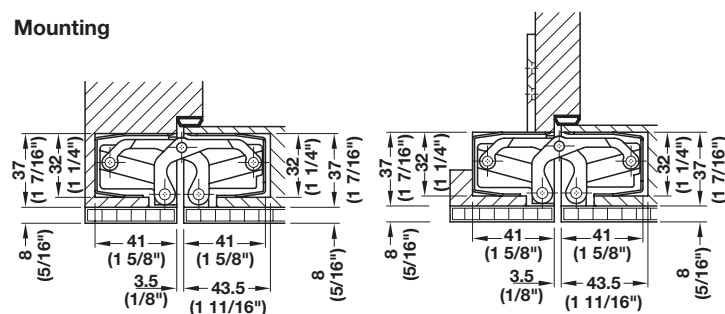
Door Hinges



- > Door weight: max. 160 kg (352 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and Width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")
- > Material: Aluminum Die-cast

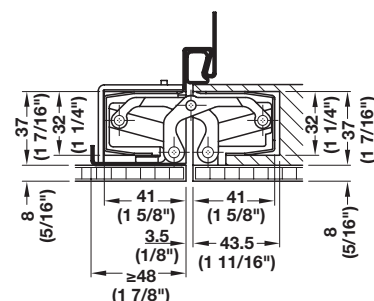
Finish	SW	Item No.
stainless steel look	126	924.17.525
satin chrome look	124	924.17.523
satin nickel look	125	924.17.524
matt deep black (RAL9005)	107	924.19.537
bronze metallic	168	924.19.550
satin nickel	144	924.19.571
polished nickel	038	924.17.573
polished brass	030	924.19.580
rustic umber	156	924.19.551
traffic white (RAL9016)	070	924.19.501
bronze finish	174	924.19.510
satin chrome	146	924.19.542
bronze finish dark	176	924.19.552
bronze finish light	175	924.19.574

Mounting

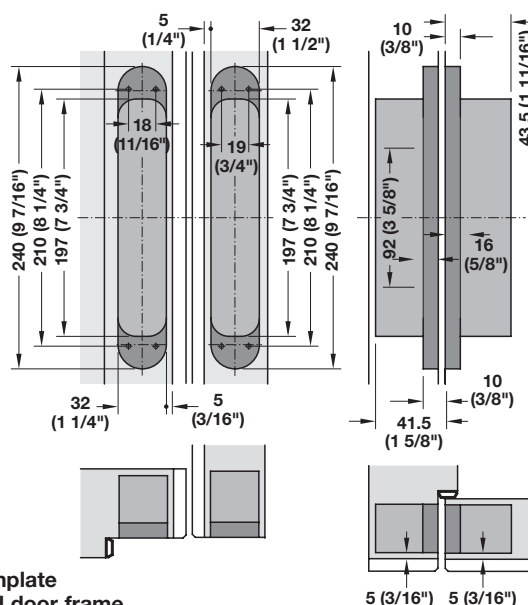


Mounted to a wood door frame

Mounted to a wood door jamb together with a mounting plate



Mounted to a hollow metal frame with a receiver element



Milling template
for a wood door frame

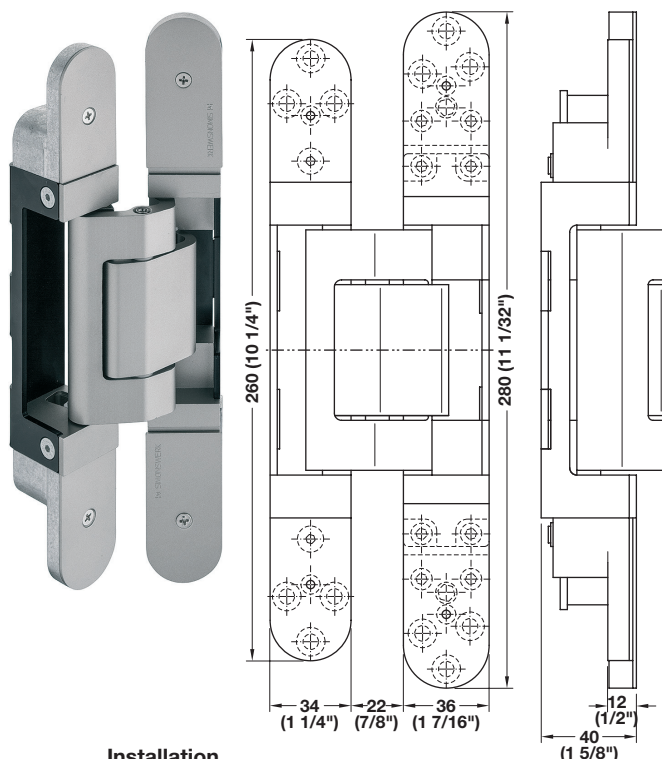
Mounting plates	page 4.25
Receiving elements	page 4.26

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

TECTUS

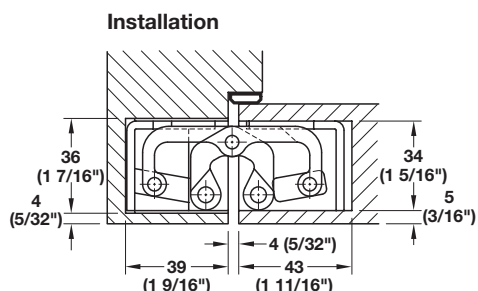
- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Suitable for left and right hand applications

→ TE 645 3D

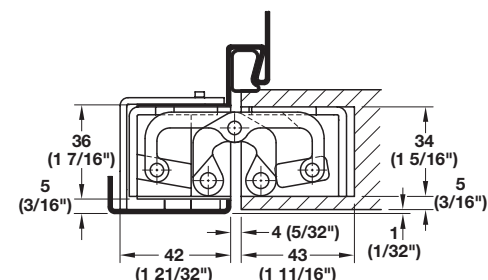


- > Door weight: max. 300 kg (661 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.5 mm (1/16")
- > Material: Covers: Steel; Link: Aluminum

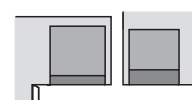
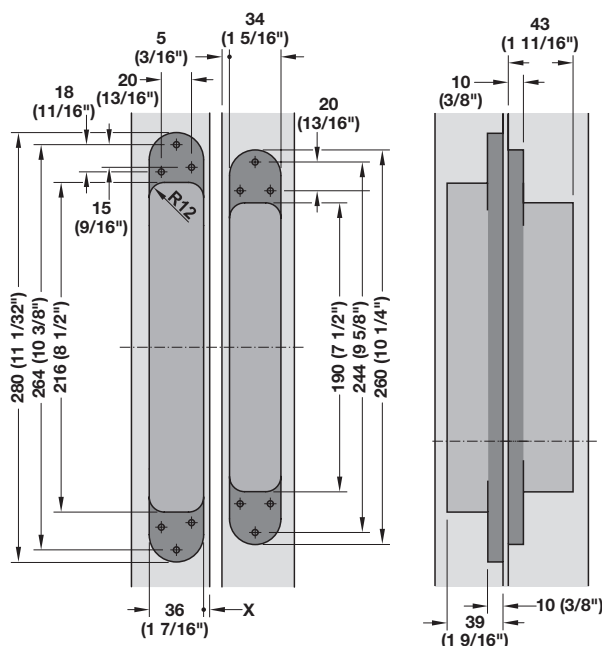
Finish	SW	Item No.
satin chrome look	124	924.19.004
stainless steel look	126	924.19.000
bronze finish dark	176	924.19.002
bronze finish	174	924.19.003
polished nickel	038	924.19.007
matt deep black (RAL9005)	107	924.19.083



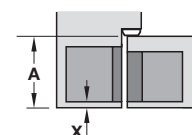
Mounted to a wood door frame



Mounted to a hollow metal frame with a receiver element



Routing pattern
Block frame, frame



Routing pattern
Block frame, door

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Mounting plates	page 4.25
Receiving elements	page 4.26

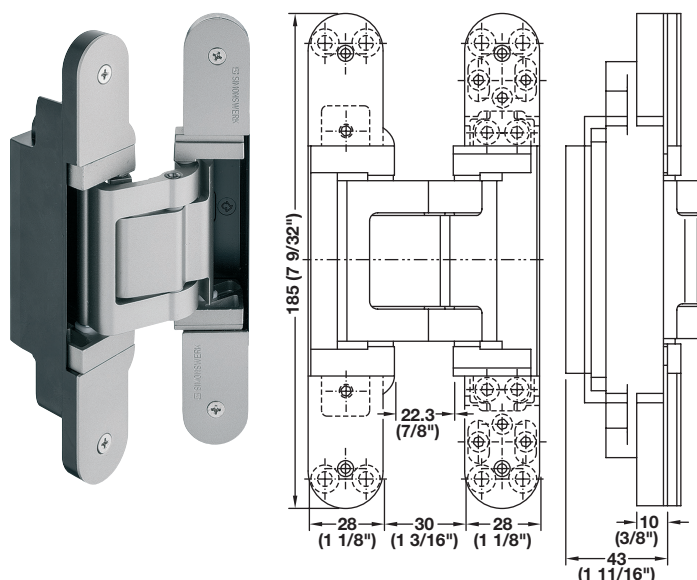
TECTUS

- > Used in door frames made out of hollow metal or wood in flush interior doors
- > Suitable for left and right hand applications

→ TE 541 3D FVZ

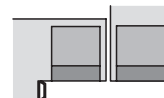
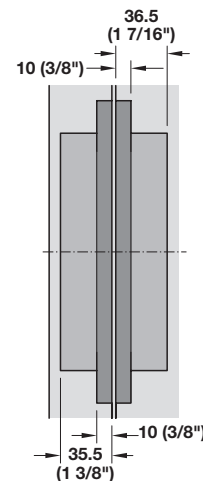
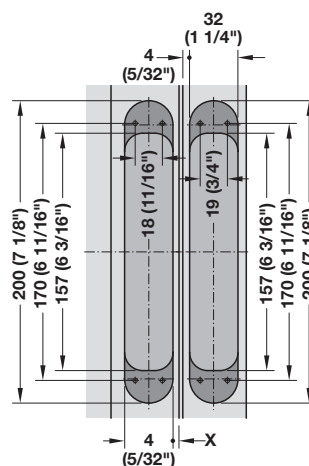
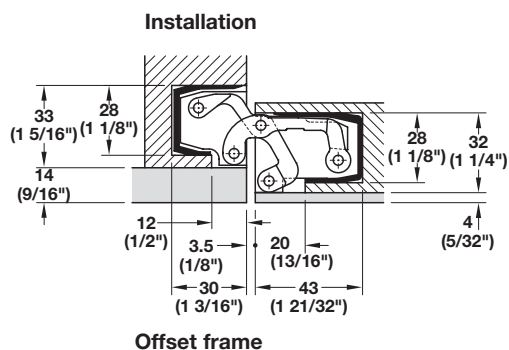
4

Door Hinges

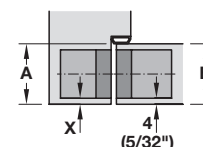


- > Door weight: max. 100 kg (220 lbs.)
- > Door thickness: min. 40 mm (1 9/16")
- > Opening angle: max. 180°
- > Router bit Ø: 24 mm (15/16")
- > Router guide Ø: 30 mm (1 3/16")
- > Adjustment: three-dimensionally adjustable:
Height and width: ± 3 mm (1/8")
Depth: ± 1.0 mm (1/16")
- > Material: Covers: Steel; Link: Aluminum

Finish	SW	Item No.
satin chrome look	124	924.19.019
stainless steel look	126	924.19.010
rustic umber	156	924.19.011
matt deep black (RAL9005)	107	924.19.012
bronze finish light	175	924.19.013
traffic white (RAL9016)	070	924.19.014
bronze metallic	168	924.19.015
satin nickel look	125	924.19.016
satin nickel	144	924.19.017
polished brass	030	924.19.018
bronze finish	174	924.19.020
polished nickel	038	924.19.039
bronze finish dark	176	924.19.021



Routing pattern
Block frame, frame



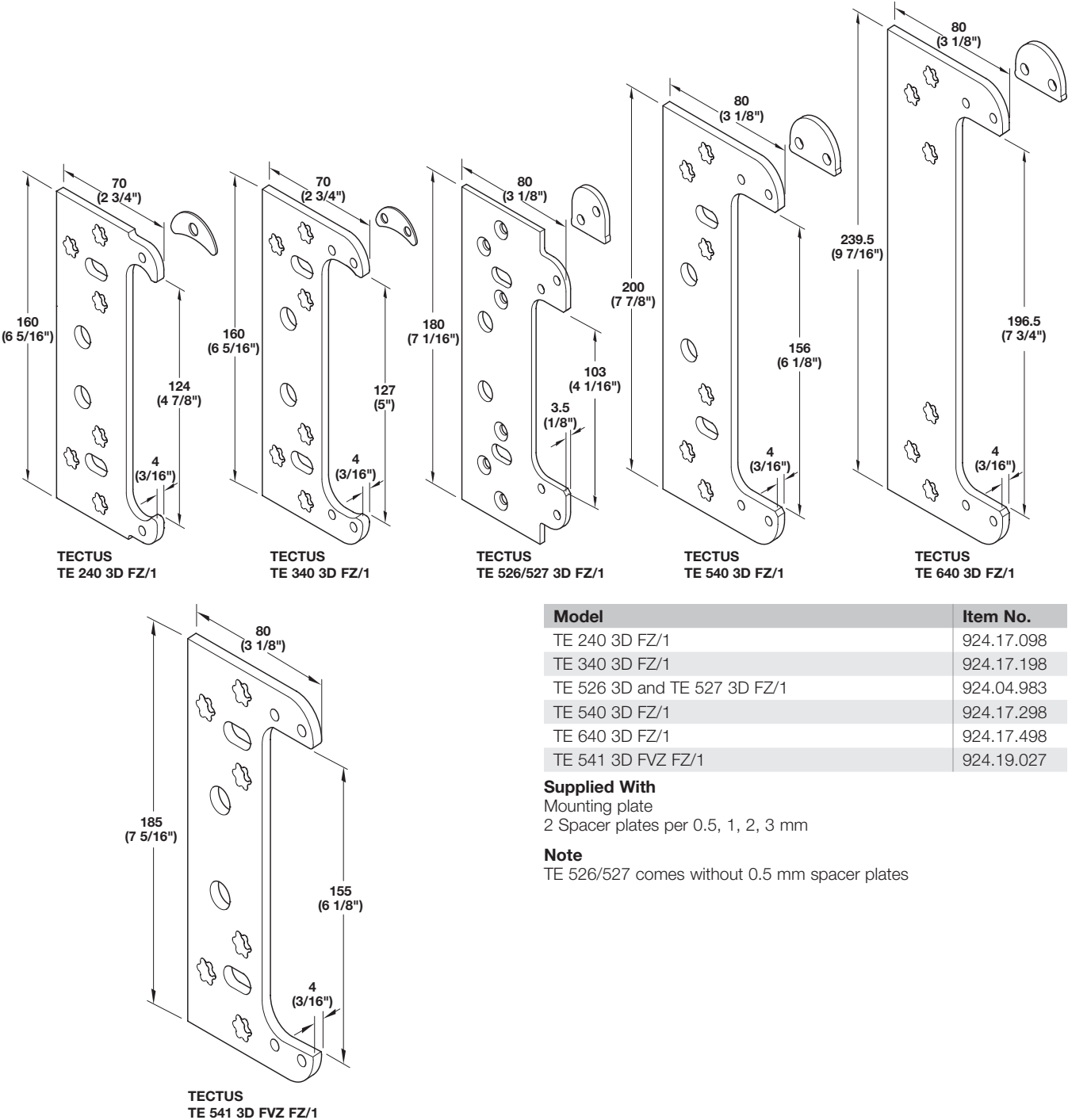
Routing pattern
Block frame, door

Mounting plates	page 4.25
Receiving elements	page 4.26

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Mounting Plates - TECTUS

- > Suitable for concealed hinges TECTUS TE 240/340/525/540/640 3D and TE 540/640 3D A8 mounted into wood door frames
- > Suitable for left and right hand installations
- > Material: Steel, galvanized



Model	Item No.
TE 240 3D FZ/1	924.17.098
TE 340 3D FZ/1	924.17.198
TE 526 3D and TE 527 3D FZ/1	924.04.983
TE 540 3D FZ/1	924.17.298
TE 640 3D FZ/1	924.17.498
TE 541 3D FVZ FZ/1	924.19.027

Supplied With
Mounting plate
2 Spacer plates per 0.5, 1, 2, 3 mm

Note
TE 526/527 comes without 0.5 mm spacer plates

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

TECTUS

→ Receiving Elements

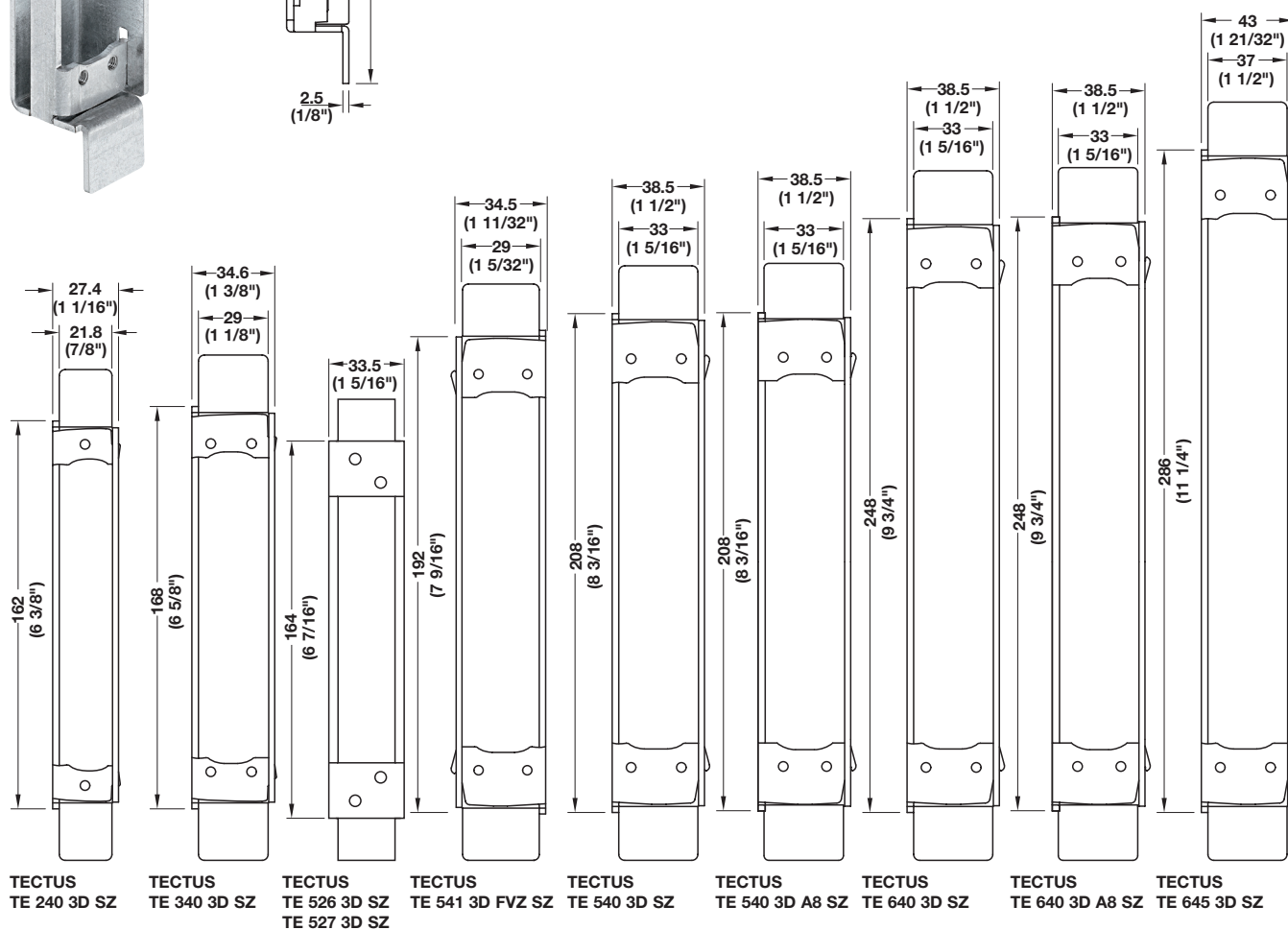


- > For TECTUS hinges mounted onto hollow metal frames
- > Suitable for left and right hand installations
- > Material: Steel, galvanized

Model	A	B	Item No.
TE 240 3D SZ	205 (8 1/16")	26 (1")	924.17.099
TE 340 3D SZ	210 (8 1/4")	34 (1 5/16")	924.17.199
TE 526/527 3D SZ	205 (8 1/16")	35.5 (1 5/16")	924.05.083
TE 540 3D SZ	248 (9 3/4")	38 (1 1/2")	924.17.299
TE 540 3D A8 SZ	250 (9 13/16")	43 (1 11/16")	924.17.799
TE 541 3D FVZ SZ	235 (9 1/4")	44.5 (1 3/4")	924.19.028
TE 640 3D SZ	288 (11 1/16")	38 (1 1/2")	924.17.499
TE 640 3D A8 SZ	290 (11 7/16")	43 (1 11/16")	924.17.899
TE 645 3D SZ	328 (12 7/8")	42.5 (1 11/16")	924.19.029

4

Door Hinges



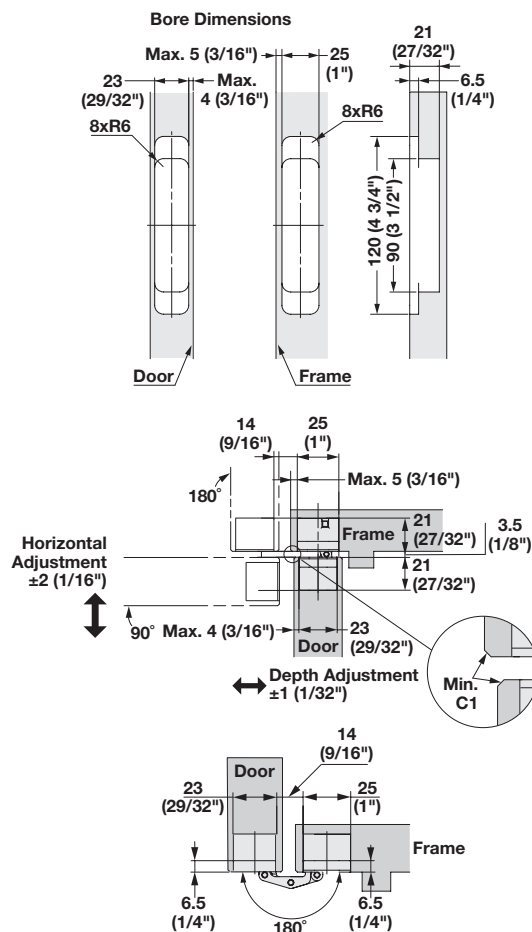
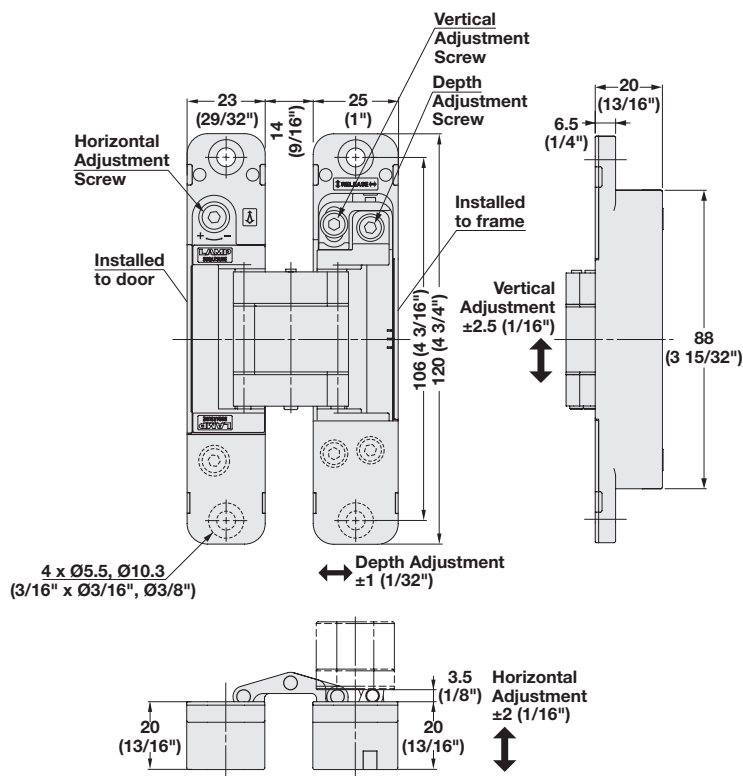


Finish	Item No.
dull chrome	924.18.024
dull nickel	924.18.026
black	924.18.013

Supplied With
Steel flat head screw

4

Door Hinges



3-Way Adjustable



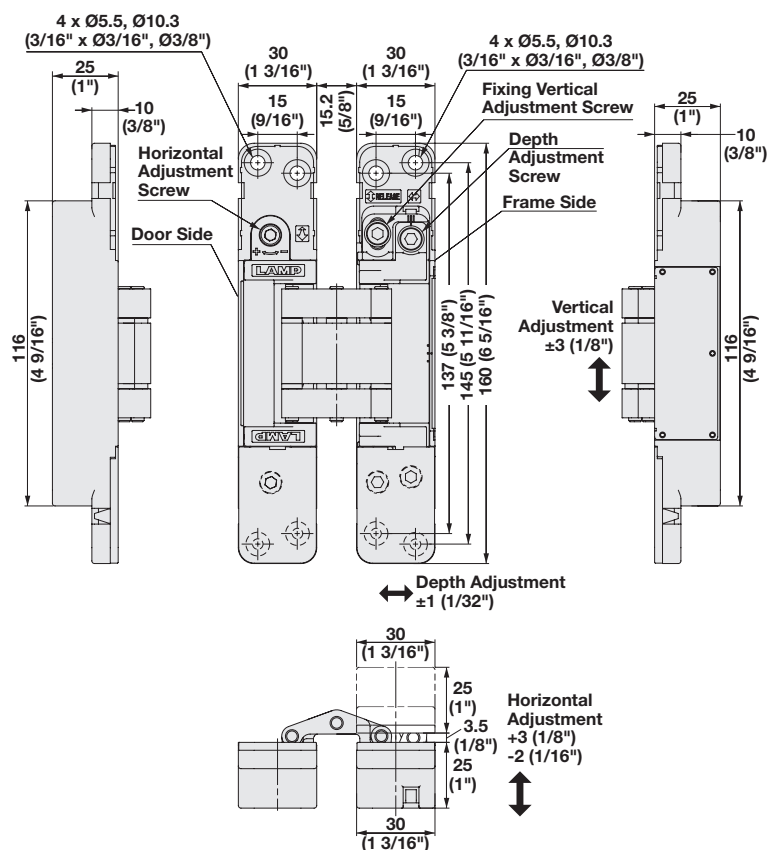
- > Easy installation with symmetrical leaves and lift-off feature
- > 3-way adjustment function allows vertical, horizontal, and depth adjustment after installation
- > Door weight: max. 55 kg (121 lbs.)/2 pcs.; 70 kg (154 lbs.)/3 pcs.
- > Door thickness: min. 35 mm (1 3/8")
- > Door dimensions (H x W): max. 2400 x 900 mm (94 1/2" x 35 7/16")
- > Successfully passed 300,000 open/close private cycle tests
- > Material: Zinc Alloy; Covers: Plastic

Finish	Item No.
dull chrome	924.18.010
dull nickel	924.18.011
black	924.18.012

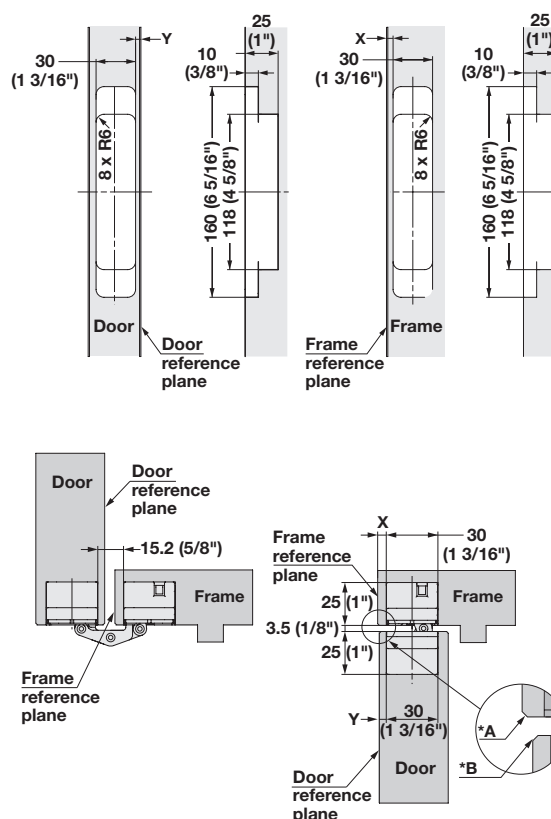
Supplied With
Steel flat head screw

4

Door Hinges



Bore Dimensions



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

3-Way Adjustable



- > 3-way adjustment function allows vertical, horizontal, and depth adjustment after installation
- > Easy installation with Lift-Off Feature: can be split into two parts (one for the frame and one for the flap) and temporarily hung holding position without screws
- > Covers hide all screw heads for clean appearance.
- > Door weight: max. 100 kg (220 lbs.)/2 pcs; 125 kg (275 lbs.)/3 pcs.
- > Door thickness: min. 38 mm (1 1/2")
- > Door dimensions (H x W): max. 2400 x 900 mm (94 1/2" x 35 7/16")
- > Bracket for sheet metal installation is available (sold separately)
- > Metal cover plates are available for polished nickel finish (sold separately)
- > Successfully passed 300,000 open/close private cycle tests
- > Material: Zinc Alloy; Covers: Plastic

> Without wide throw

Finish	Item No.
*dull chrome	924.18.034
*dull nickel	924.18.036
*black	924.18.033
*white	924.18.015
*polished nickel	924.18.017

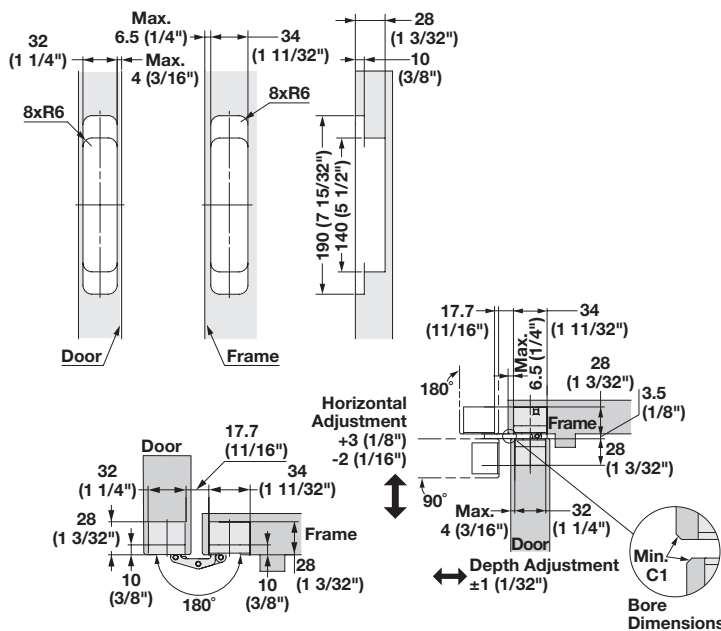
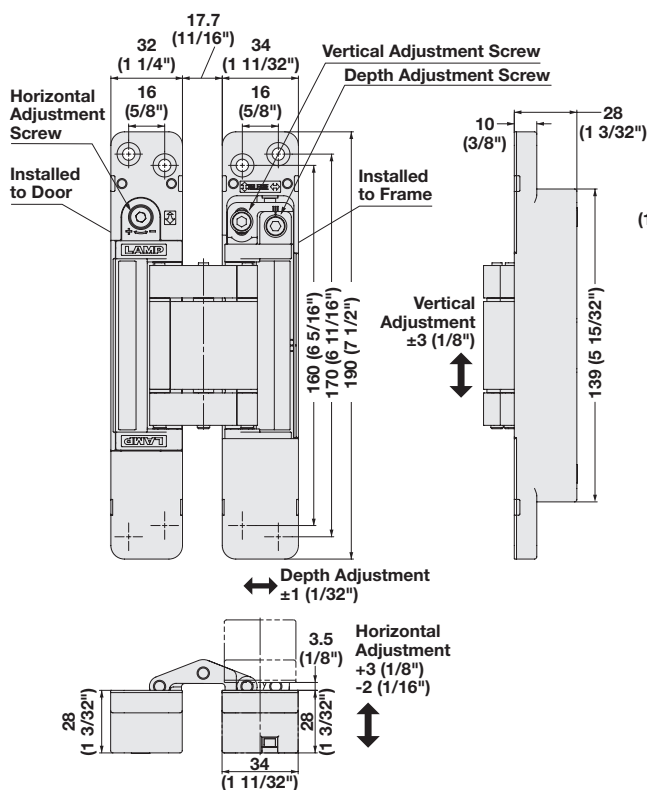
Note *UL Fire rated up to 3 hours

> With wide throw

Finish	Item No.
*dull chrome	924.18.064
*dull nickel	924.18.066
*black	924.18.063
white	924.18.067
polished nickel	924.18.065
polished brass	924.18.068

Supplied With Steel flat head screw

Note *UL Fire rated up to 3 hours



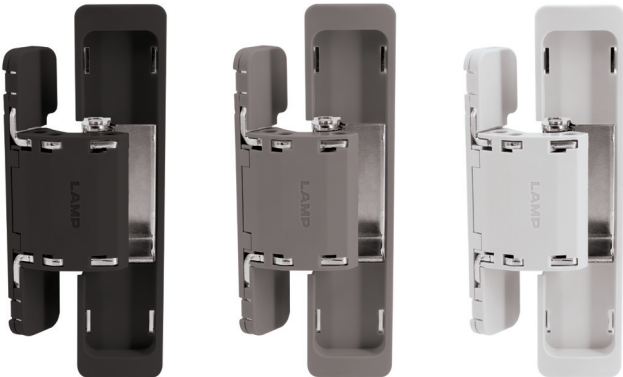
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.



- > Surface mounts to the door frame for easy installation
- > Door thickness: min. 38 mm (1 1/2")
- > Opens to 125°
- > Door stopper is required to prevent breakage of the hinges and failure of the door
- > Adjustment:
 - Depth: ± 3 mm ($\pm 1/8$ ")
 - Vertical: ± 3 mm ($\pm 1/8$ ")
- > Horizontal with spacer: ± 1 mm ($\pm 1/16$ ")
- > Successfully passed 300,000 open/close private cycles
- > Door weight for 3 hinges: max. 65 kg (143 lbs.)

4

Door Hinges



Finish	Item No.
matt black	927.78.023
dark gray	927.78.025
light gray	927.78.029

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.