TE 640 3D

For flush high performance commercial doors



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

Technical data

Property	Value
Load capacity	200.0 kg (440.0 lbs.)
Overall length	240.0 mm (9.449")
Width (door part)	32.0 mm (1.260")
Width (frame part)	32.0 mm (1.260")
Min. door thickness	40.0 mm (1.574")
Cutter diameter	24.0 mm
Collar ring diameter	30.0 mm
Opening angle	180°

Quality marks

Certification CE

Certification IFT

Certification UL

Certification UL (Canada)

Classification key

EN 1935 / EAD

4	7	7	1 *1	1	— *2	1	14

*1 Test evidence for functional doors to be achieved with full door sets and assemblies.

*2 depending on the finish

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Notes

The load capacity mentioned above refers to the use of 2 hinges per door leaf with a height/width ratio of 2:1.

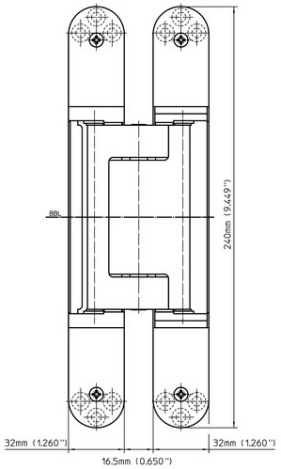
For a minimum door panel thickness of 40 mm (1-5/8").

For fire rated doors: Check with door manufacturer regarding the usage of additional required intumescent material.

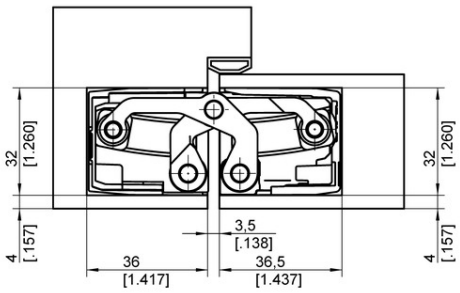
Square-corner cover plates are available upon request.

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

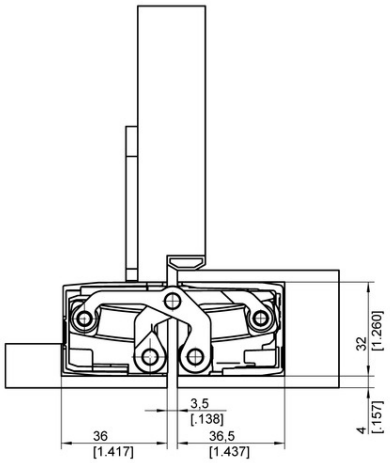
Alternatively, the routing can be carried out with a cutter diameter of 3/4" and a collar ring diameter of 1" for imperial templates.



front view



commercial wood frame



casing wood frame

Installation tools

Universal milling frame

Template 5 250659 5	24 mm router bit / 30 mm collar ring (step 1)
Template 5 250689 5	24 mm router bit / 30 mm collar ring (step 2)
Template 5 251062 5	3/4" router bit / 1" collar ring (step 1)
Template 5 251063 5	3/4" router bit / 1" collar ring (step 2)

Combinations

TE 640 3D FZ
TE 640 3D BW/16
TE 640 3D BW/20
TE 640 3D SZ
TE 640 3D ST

Function range

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Forced Entry Resistant

Fire Resistant

Smoke Resistant

Soundproof

Item versions

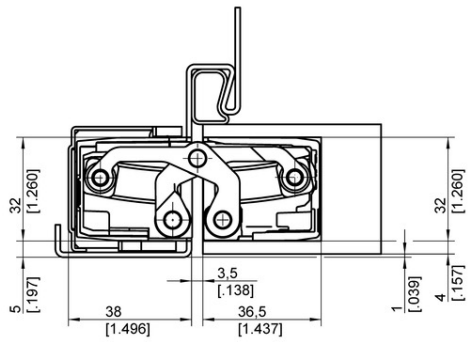
Finish	Polished Brass (SW 030)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 03002
ITEM NO. (SAP)	500003987
EAN	4015471127312

Finish	Polished Nickel (SW 038)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 03802
ITEM NO. (SAP)	500003988
EAN	4015471127336

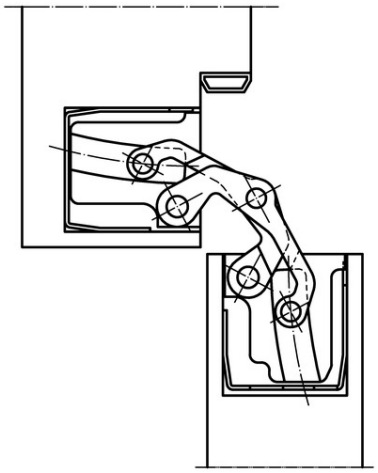
Finish	Satin Brass (SW 047)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 04702
ITEM NO. (SAP)	500003989
EAN	4015471128258

Finish	RAL 9016 Traffic White (SW 070)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 07002
ITEM NO. (SAP)	500003990
EAN	4015471127411

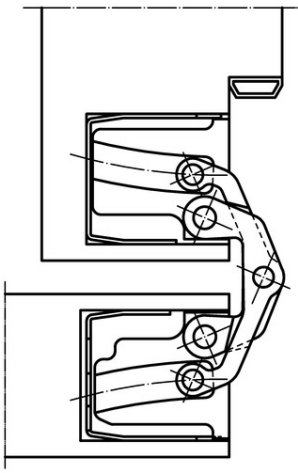
Finish	RAL 9005 Matte Black (SW 107)
VPE	pack of 2



hollow metal frame



commercial wood frame 90°



commercial wood frame 180°

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DIN	non-handed
ITEM NO.	5 400696 0 10702
ITEM NO. (SAP)	500003993
EAN	4015471128197

Finish	Satin Chrome Look (F1) (SW 124)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 12402
ITEM NO. (SAP)	500003995
EAN	4015471128227

Finish	Satin Nickel Look (F2) (SW 125)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 12502
ITEM NO. (SAP)	500003996
EAN	4015471128234

Finish	Stainless Steel Look (SSL) (SW 126)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 12602
ITEM NO. (SAP)	500003997
EAN	4015471128456

Finish	Satin Nickel (SW 144)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 14402
ITEM NO. (SAP)	500003998
EAN	4015471128302

Finish	Satin Chrome (SW 146)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 14602
ITEM NO. (SAP)	500003999
EAN	4015471128296

Finish	Rustic Umber (SW 156)

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VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 15602
ITEM NO. (SAP)	500004000
EAN	4015471128470

Finish	Bronze Metallic (SW 168)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 16802
ITEM NO. (SAP)	500004001
EAN	4015471128487

Finish	Bronze Finish (SW 174)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 17402
ITEM NO. (SAP)	500004002
EAN	4015471128494

Finish	Bronze Finish Light (SW 175)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 17502
ITEM NO. (SAP)	500004003
EAN	4015471128500

Finish	Bronze Finish Dark (SW 176)
VPE	pack of 2
DIN	non-handed
ITEM NO.	5 400696 0 17602
ITEM NO. (SAP)	500004004
EAN	4015471128517

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