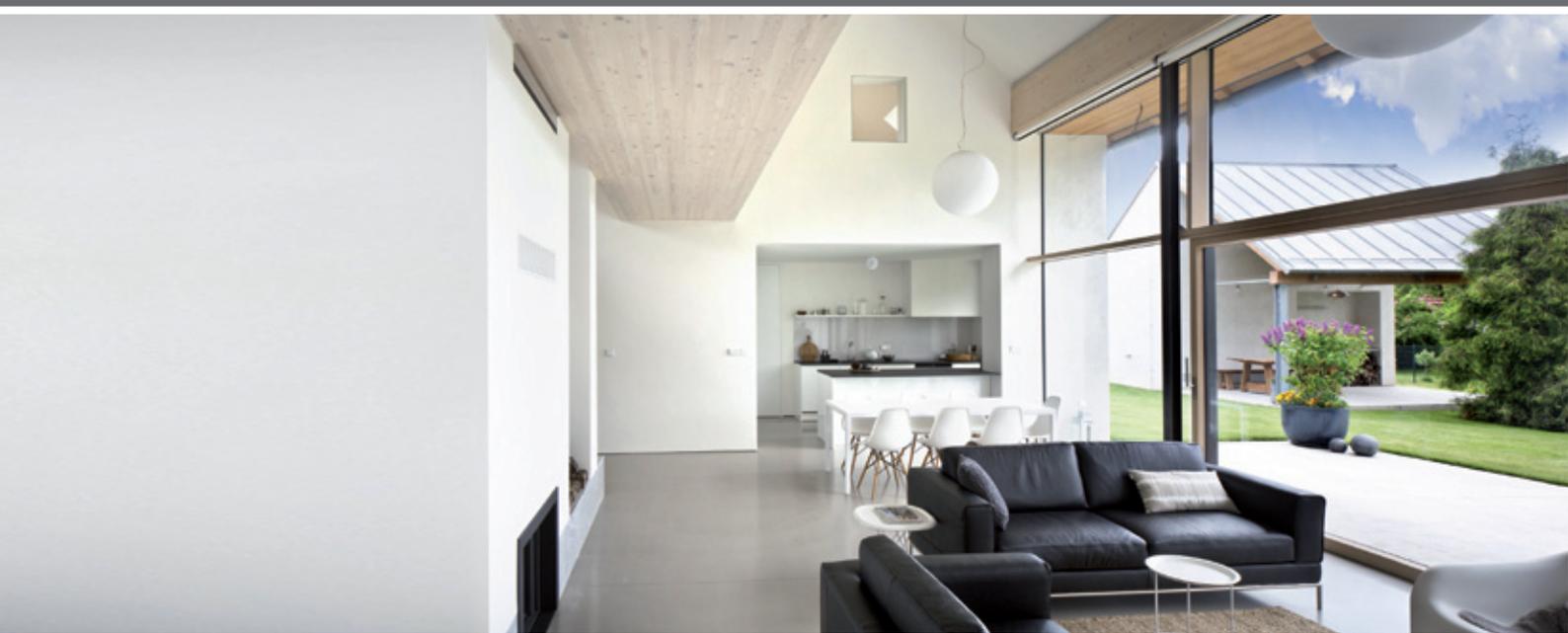


**W-Tec 3D
concealed hinge range**







W-Tec 3D

innovative concealed
hinge range

60 | 100 | 160

+ | f | s | i

design



**the concealed hinge program
for loads of up to 160 kg, for all
uses and for all colours**



What the market has been missing until today, can now be offered by SFS intec: a complete range of concealed hinges for designer doors, created and manufactured to meet the needs of architects, designers and door producers, to effortlessly blend in with all door styles.

W-Tec 3D range is suitable for frames of solid timber, cover timber or steel and can carry loads of up to 160kg, for standard or thin profiles, fire doors, even with personalised colours to match the design of any project.

These ground breaking hinges are designed to robustly stabilise the opening and closing of the door. The unique kinematic hinge mechanism ensures stability over time, negating the need for adjustments, once mounted and set.

Each hinge has three independent adjustments: height, lateral and depth. Some versions are interchangeable, allowing the client to choose the appropriate hinge, based upon capacity requirements, optimising stocks.

W-Tec 3D is a patented range of hinges that meet the stringent quality and durability standards expected of all SFS intec products.

durability



the concealed hinge - durable and easy to install



W-Tec 3D+

Stability and durability.

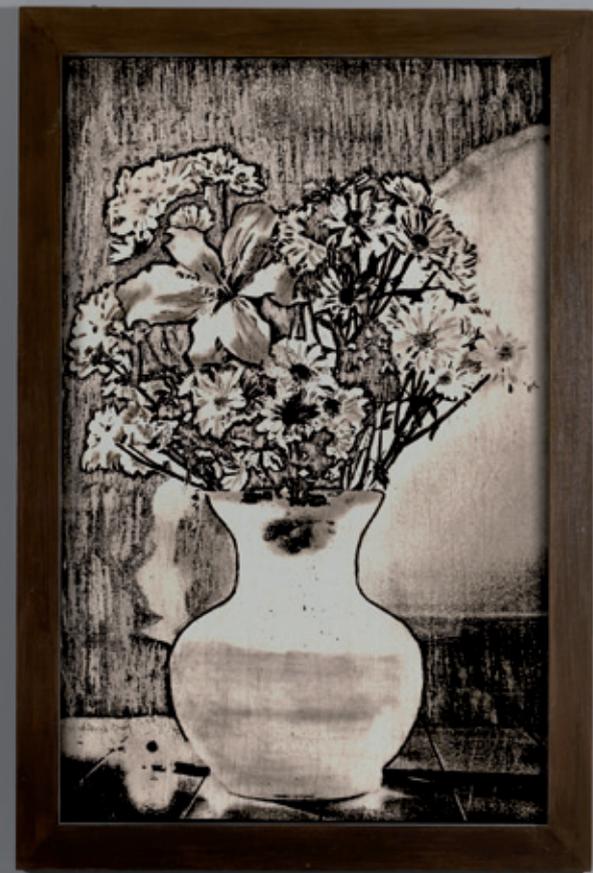
The unique 7 axis kinematic mechanism, the carefully chosen materials for the three levers that carry the weight of the door, offer maximum efficiency and stability over time.

There is no need to intervene once the door has been mounted and set. The particular kinematic mechanism keeps the door straight and prevents elliptical movement when opening and closing. Thanks to this feature, there is minimal wear and tear, even when heavy weights are used.

The adjustments are all independent from each other. Once assembled, the hinge can easily be set by one person thanks to the innovative adjustments. Available in three versions, they can be applied on all frames: solid wood, coated or steel with the appropriate accessories.

The top of the range versions for heavy doors W-Tec 3D+ 100 and 160 are interchangeable. This feature allows the user to always mill frames and doors with the same sizes, being able to choose the hinge most suitable to the weight and use of the door as required to replace at the last minute.

versatility



**the slim and robust concealed hinge
also for narrow profiles**



W-Tec 3Ds

The demand for doors suitable for environments characterised by a simple design has been constantly increasing, as well as the tendency to use profiles so thin that they blend perfectly into the environment. W-Tec 3Ds is the ideal hinge for this type of application.

W-Tec 3Ds is a variant of the W-Tec 3D+ range and, just like all the hinges in this range, is extremely stable thanks to its 7-axis internal mechanism.

W-Tec 3Ds features two mechanical height and horizontal adjustments of ± 3 mm and manual depth adjustment ± 1 mm. All adjustments are independent from each other.

The W-Tec 3Ds hinge with minimum overall dimensions both on the sash and on the frame can be mounted on profiles from 24mm.

It also fully meets the demand of door manufacturers to be able to use a single product for flush applications and so-called rebated flush fit applications.

application



**the concealed hinge for fire doors
in designer environments**



W-Tec 3Df

Designers require fire doors for modern and designer environments which combine both practical and visual requirements.

W-Tec 3Df is another hinge in the W-Tec 3D range designed to resist the heavy loads of fire doors over time.

The adjustments are all independent from each other, precisely like W-Tec 3D+. The W-Tec 3Df is mainly used for extremely heavy doors and can be adjusted once fitted by just one person.

This hinge has been awarded EI 1e2 60 certification.

W-Tec 3D

a world of applications
in colour

W-Tec 3D+ 60/100/160

W-Tec 3Ds

W-Tec 3Df 160

W-Tec 3Di 60/100



W-Tec 3D+

the concealed hinge designed to be durable and easy to use in any context

The W-Tec 3D+ hinge is an SFS intec product, guaranteeing quality thanks to strict controls both in the manufacturing process and in tests performed on the hinge itself.

SFS intec is also available to offer solutions tailored to specific customer needs.

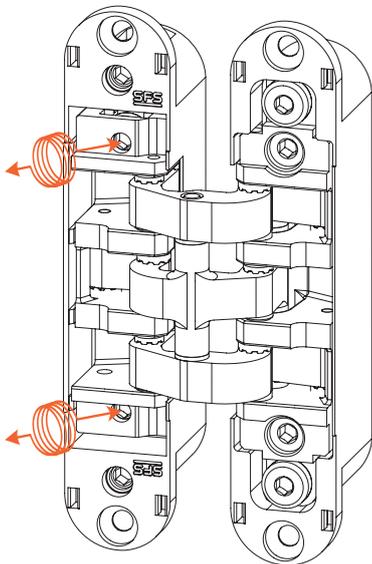
- independent adjustments possible by a single person
- adjustable in height, laterally and gasket pressure
- new 7-axis kinematic mechanism
- 3 levers always keep the mechanism aligned
- the levers are independent from each other
- individual levers transfer the weight in an innovative way
- material for the levers was chosen for maximum performance
- hinge stable over time
- no need for intervention once mounted and set
- perfectly perpendicular functionality minimises wear and tear
- door hinge ranges up to 60 kg, 100 kg and 160 kg
- symmetrical milling with two depths
- simple independent adjustments
- various finishes
- milling devices available



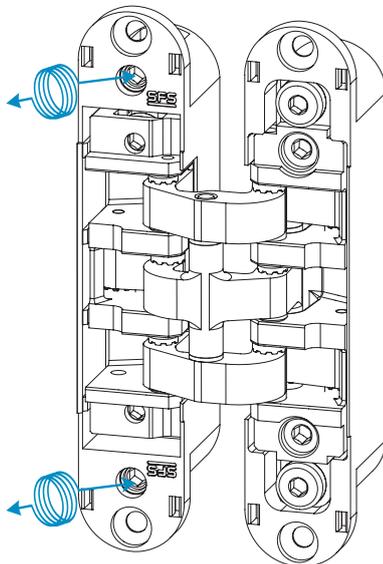


Load capacity	W-Tec 3D+ 60	W-Tec 3D+ 100	W-Tec 3D+ 160
2 hinges	50 kg	80 kg	140 kg
3 hinges	60 kg	100 kg	160 kg

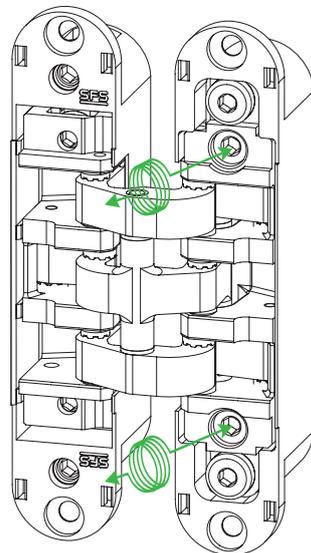
Lateral adjustment +/- 3 mm



Height adjustment +/- 3 mm



Gasket pressure adjustment +/- 1 mm



W-Tec 3D+ 60

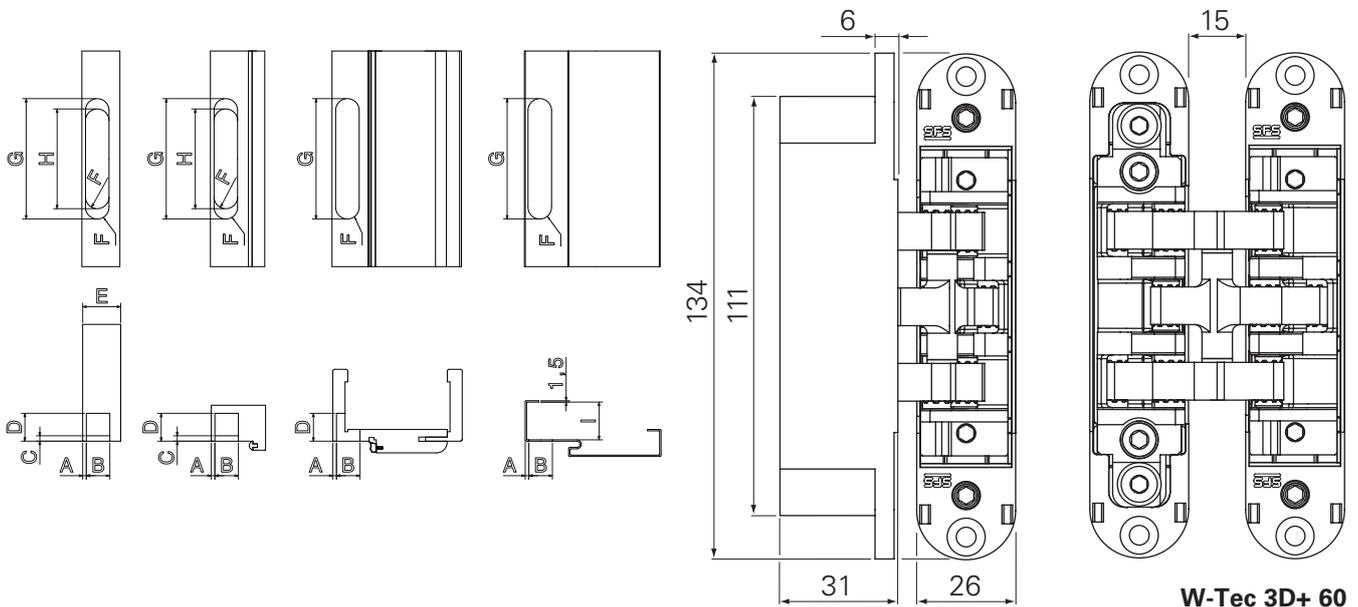
the concealed hinge designed to support doors weighing up to 60 kg.



Load capacity	W-Tec 3D+ 60
2 hinges	50 kg
3 hinges	60 kg

Ref.	W-Tec 3D+ 60
A	4
B	26
C	6
D	31
E	Min. 34
F	13
G	134
H	111
I	Min. 35

Hinge order code	Finish	Packaging
1368013 W-Tec 3D+ 60	Zinc GSS	3 pcs.
1428632 W-Tec 3D+ 60	Matt Chrome	3 pcs.
1364563 W-Tec 3D+ 60	Brushed Matt Chrome	3 pcs.
1473666 W-Tec 3D+ 60	White RAL 9016	3 pcs.
1407864 W-Tec 3D+ 60	Black RAL 9005	3 pcs.



W-Tec 3D+ 100

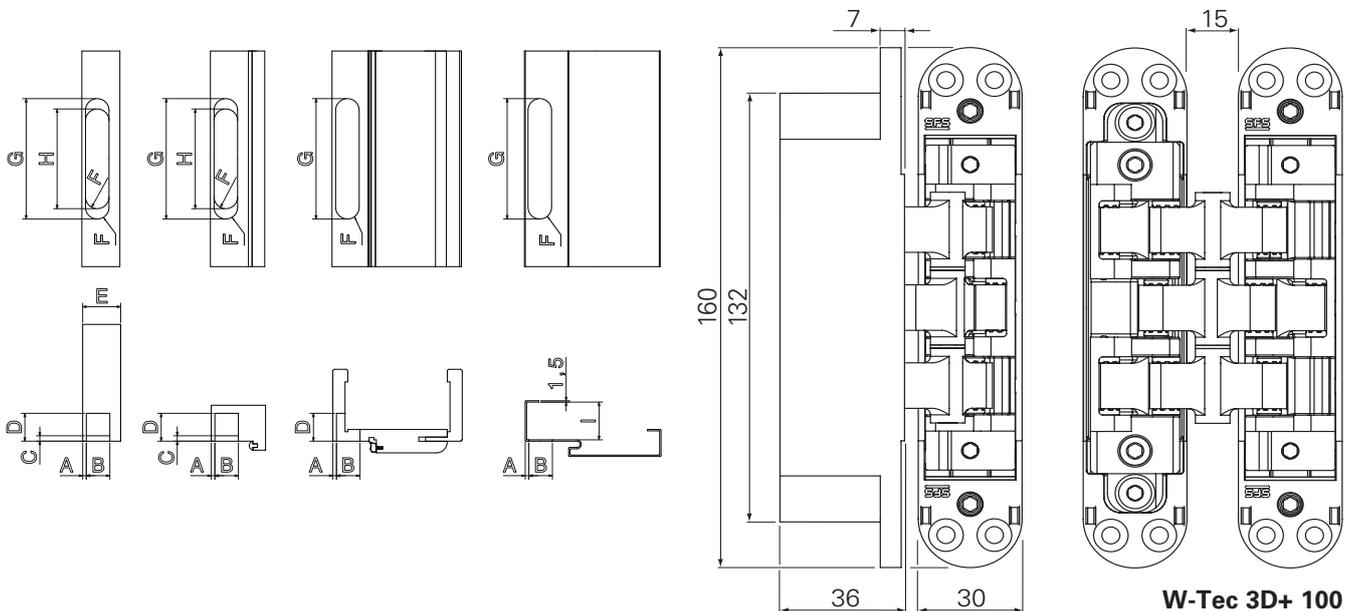
the concealed hinge designed to support doors weighing up to 100 kg.



Load capacity	W-Tec 3D+ 100
2 hinges	80 kg
3 hinges	100 kg

Ref.	W-Tec 3D+ 100
A	4
B	30
C	7
D	36
E	Min. 38
F	15
G	160
H	132
I	Min. 40

Hinge order code	Finish	Packaging
1367891 W-Tec 3D+ 100	Zinc GSS	2 pcs.
1428633 W-Tec 3D+ 100	Matt Chrome	2 pcs.
1363919 W-Tec 3D+ 100	Brushed Matt Chrome	2 pcs.
1502121 W-Tec 3D+ 100	White RAL 9016	2 pcs.
1407865 W-Tec 3D+ 100	Black RAL 9005	2 pcs.



W-Tec 3D+ 160

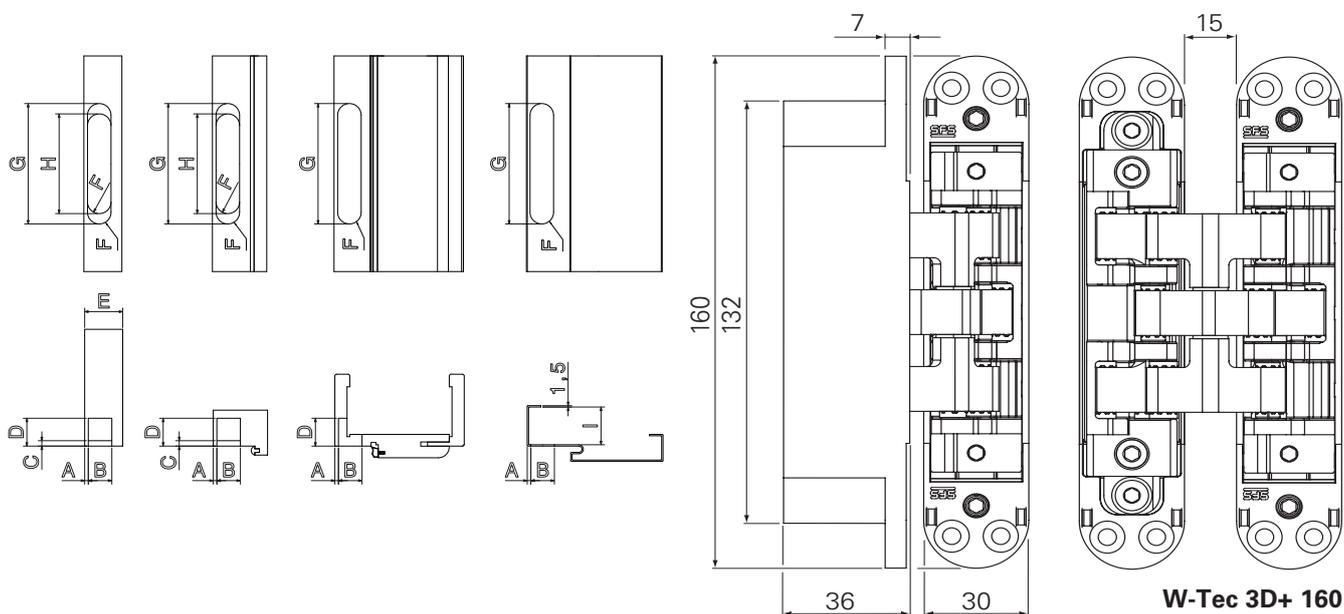
the concealed hinge designed to support doors weighing up to 160 kg.



Load capacity	W-Tec 3D+ 160
2 hinges	140 kg
3 hinges	160 kg

Ref.	W-Tec 3D+ 160
A	4
B	30
C	7
D	36
E	Min. 38
F	15
G	160
H	132
I	Min. 40

Hinge order code	Finish	Packaging
1368077 W-Tec 3D+ 160	Zinc GSS	2 pcs.
1428631 W-Tec 3D+ 160	Matt Chrome	2 pcs.
1364572 W-Tec 3D+ 160	Brushed Matt Chrome	2 pcs.

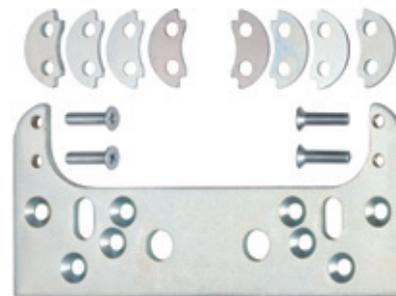


Accessories and order codes W-Tec 3D+ 60 | 100 | 160



Support for steel frame

Support W-Tec 3D+ 60 (packaging 10 pcs.)	1365299
Support W-Tec 3D+ 100/160 (packaging 10 pcs.)	1365313



Kit reinforcing plate for cover frame

Kit W-Tec 3D+ 60 (packaging 10 pcs.)	1364646
Kit W-Tec 3D+ 100/160 (packaging 10 pcs.)	1364662



Milling Jig with insert

Milling Jig	1272844
Insert 1-2 for W-Tec 3D+ 60 (cutter Ø 20 and guide ring Ø 30)	1365130
Insert 1-2 for W-Tec 3D+ 100/160 (cutter Ø 20 and guide ring Ø 30)	1365131
Insert 1-2 for W-Tec 3D+ 60 (cutter Ø 16 and guide ring Ø 27)	1365239
Insert 1-2 for W-Tec 3D+ 100/160 (cutter Ø 16 and guide ring Ø 27)	1365240

W-Tec 3Ds

**the slim and robust concealed hinge
for narrow profiles**

- Stable thanks to the new 7-axis internal mechanism
- Easy adjustments all independent from each other
- Minimal dimensions, especially in depth, for narrow profiles
- Wide range of finishes on request
- For solid or covered wood and steel frames
- Milling jig available
- Capacity up to 60 kg tested with 2 hinges





Hinge order code	Finish	Packaging
1500689 W-Tec 3Ds	Zinc GSS	2 pcs.
1493626 W-Tec 3Ds	Matt Chrome	2 pcs.



Milling Jig with insert

Jig	1272844
kit Insert 2+2	1502830



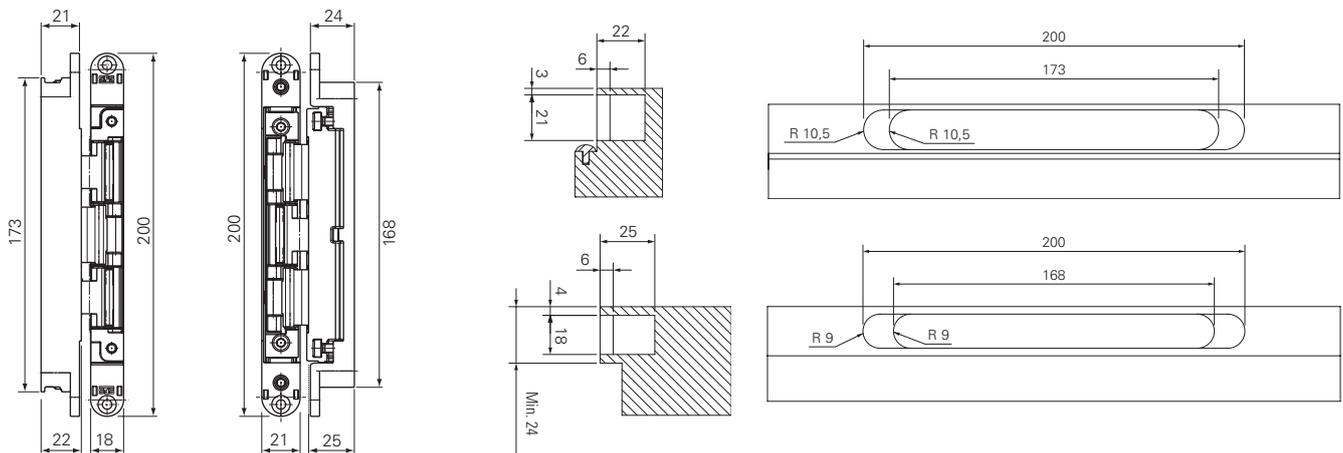
Support for steel frame

W-Tec 3Ds (packaging 10 pcs.)	1502857
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Kit reinforcing plate for cover frame

W-Tec 3Ds (packaging 10 pcs.)	1502901
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W-Tec 3Df

the concealed hinge for fire doors in designer environments

- independent adjustments possible by a single person
- adjustable in height, laterally and gasket pressure
- new 7-axis kinematic mechanism
- 3 levers always keep the mechanism aligned
- the levers are independent from each other
- individual levers transfer the weight in an innovative way
- material for the levers was chosen for maximum performance
- hinge stable over time
- no need for intervention once mounted and set
- perfectly perpendicular functionality minimises wear and tear even with the use of door closers
- door weight up to 160 kg
- symmetrical milling with two depths
- simple independent adjustments
- various finishes
- milling devices available
- certified EI_{1e2} 60





Hinge order code	Finish	Packaging
1481815 W-Tec 3Df	Matt Chrome	2 pcs.

Ref.	W-Tec 3D+ 160
A	4
B	30
C	7
D	36
E	Min. 38
F	15
G	160
H	132
I	Min. 40

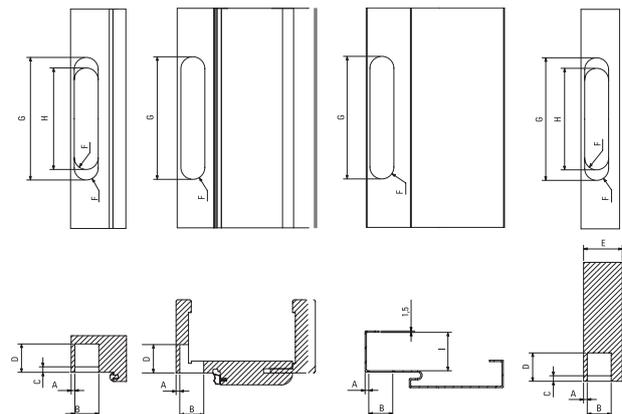
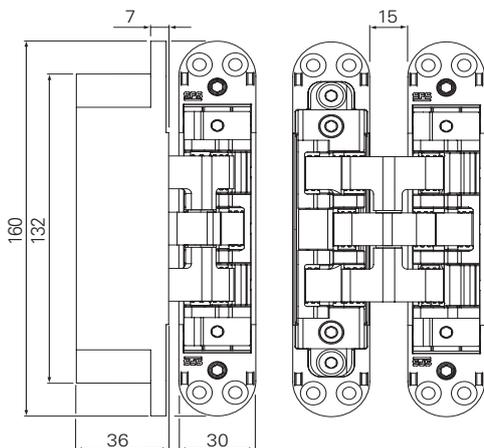


Milling Jig with insert

Jig	1272844
Insert 1-2 for W-Tec 3D+ 100/160 cutter Ø 20 and guide ring Ø 30	1365131
Insert 1-2 for W-Tec 3D+ 100/160 cutter Ø 16 and guide ring Ø 27	1365240

Support for steel frame

W-Tec 3Df (packaging 10 pcs.)	1365313
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W-Tec 3Di

the hinge with the gasket pressure manual adjustment

The W-Tec 3Di hinge was designed to fulfil the requirements of all door manufacturers or maintenance technicians.

The W-Tec 3Di concealed hinge is perfect and adaptable in all applications, which expresses all kinematic characteristics that have made it popular and sought after.

The W-Tec 3Di hinge is adjustable in the three dimensions but with in-depth manual adjustment.

Available in the 60 and 100 versions for applications up to 100 Kg.

It has the same milling size as the W-Tec 3D+ version.



Hinge order code	Finish	Packaging
1365433 W-Tec 3Di 60	Matt Chrome	2 pcs..
1414801 W-Tec 3Di 100	Matt Chrome	2 pcs..



W-Tec 3D

an innovative range
of concealed hinges

60 | 100 | 160

+ | f | s | i



**a concealed hinge range
with no colour limits**

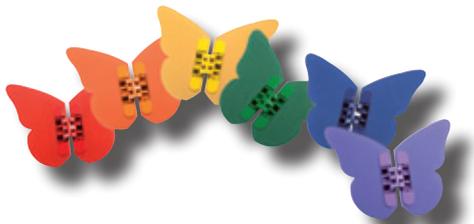
W-Tec 3D

a world of personalised colours

W-Tec 3D is the concealed hinge range that fulfils any requirement related to the use of colours.

In fact, there is no limit to the styles used in projects and the imagination of designers, because with these revolutionary hinges each colour can be specifically designed and custom made.





Refer to hyperlink "<http://www.sfsintec.biz/it>"
www.sfsintec.biz/it or click on the QR code for
the specifications.



www.sfsintec.biz/it/ht015

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