

W-Tec

concealed hinge range

3D

W-Tec 3D concealed hinge range

The innovative concealed hinge range for loads up to 200 kg, for all uses and for all colours.

What the market has been missing until today, can now be offered by SFS: 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 200kg, for standard or thin profiles, fire doors, even with personalised colours to match the design of any project.



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

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

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



W-Tec 3D+ 4

W-Tec 3D+ 60 10

W-Tec 3D+ 100 14

W-Tec 3D+ 160 18

W-Tec 3Ds 24

W-Tec 3Df 30

W-Tec 3Di 36

W-Tec 3DL 40

W-Tec 3D+
stable and durable hinge

The long lasting concealed hinge and for all uses

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

There is no need to intervene once the door has been mounted and set. The innovative 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.


W-Tec
3D+

W-Tec 3D+
hinge for any load capacity

From W-Tec 3D+ 60 to W-Tec 3D+ 160.

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 accessorieses.

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.

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

SFS 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
- milling devices available
- simple independent adjustments
- various finishes

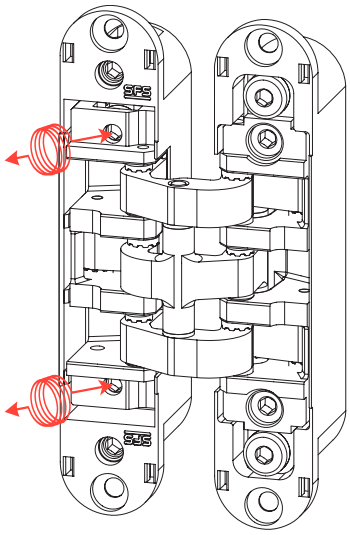


Description

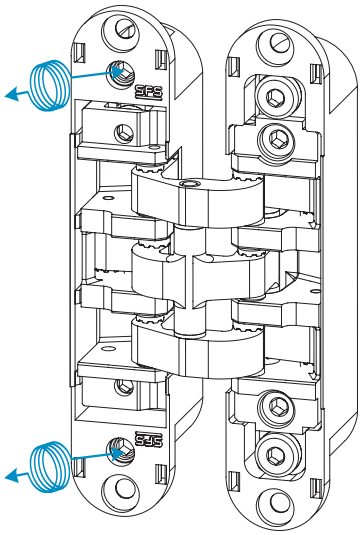
W-Tec 3D+

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

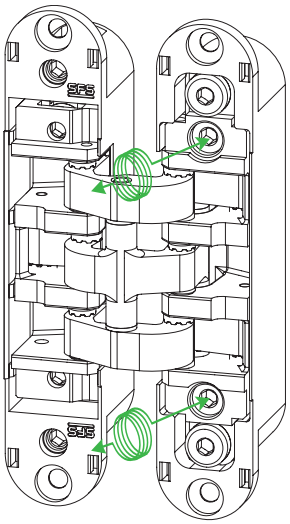
Lateral adjustment
+/– 3 mm



Height adjustment
+/– 3 mm



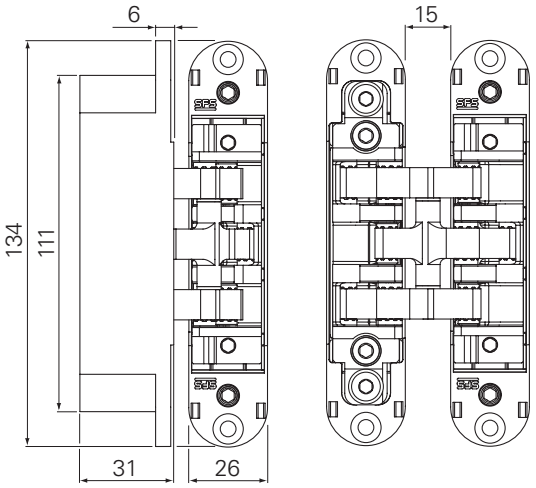
Gasket pressure adjustment
+/– 1 mm

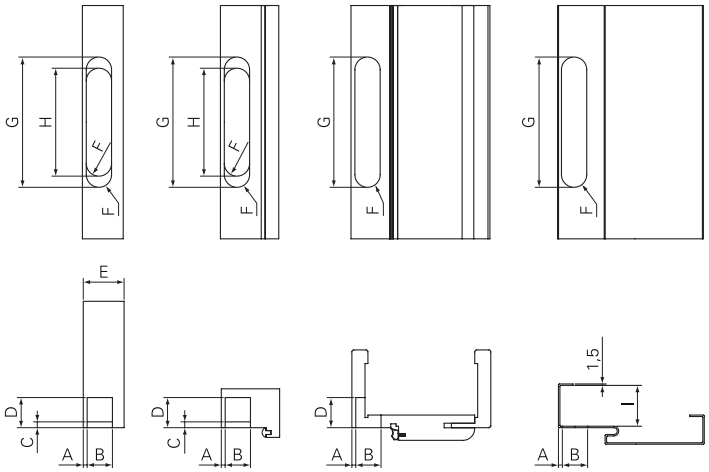



SFS

Description & accessories

W-Tec 3D+ 60





Hinge order code	W-Tec 3D+ 60	Finish	Packag.
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.
1476366	W-Tec 3D+ 60	White RAL 9016	3 pcs.
1407864	W-Tec 3D+ 60	Black RAL 9005	3 pcs.
1395456	W-Tec 3D+ 60	Light Bronzed	3 pcs.
1363509	W-Tec 3D+ 60	Brassed	3 pcs.

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

Jig
Milling jig and insert



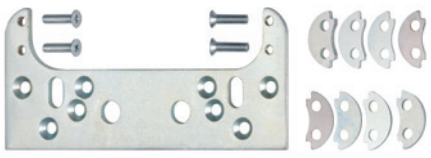
1272844	Milling jig	1 pc.
1365130	Insert 1–2 for W-Tec 3D+ 60 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365239	Insert 1–2 for W-Tec 3D+ 60 (cutter Ø 16 and guide ring Ø 27)	1 pc.

Support
Support for steel frame

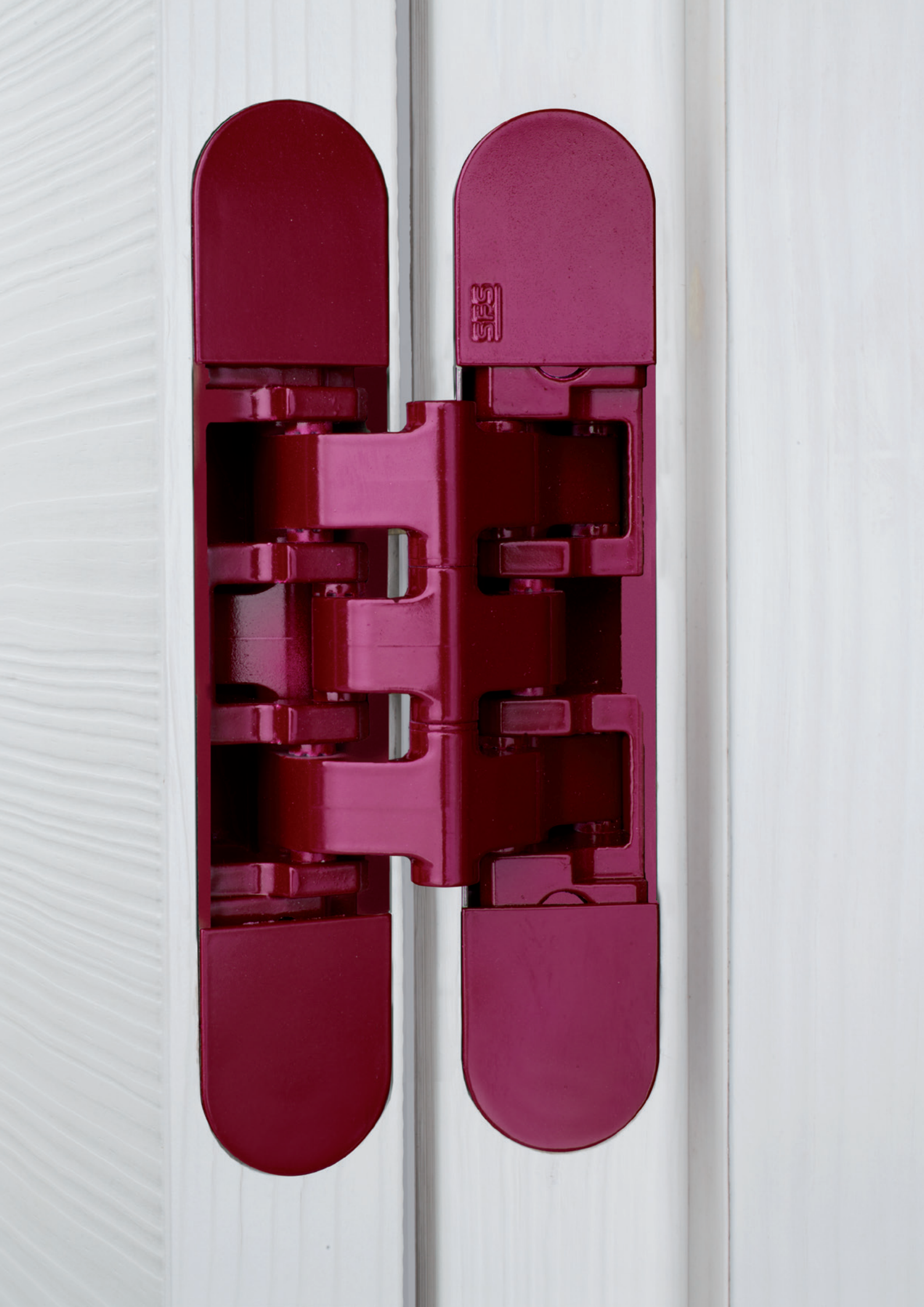


1365299	Support W-Tec 3D+ 60	10 pcs.

Kit
Kit reinforcing plate for cover frame

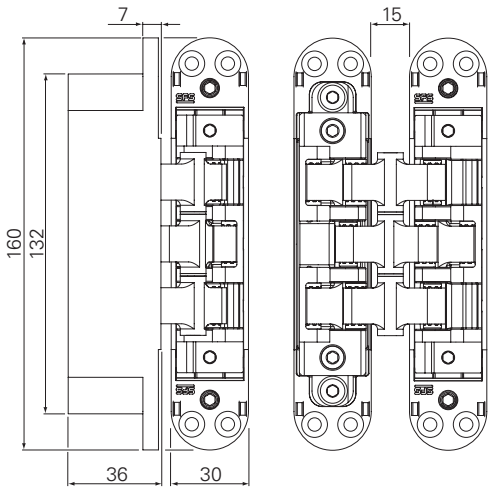


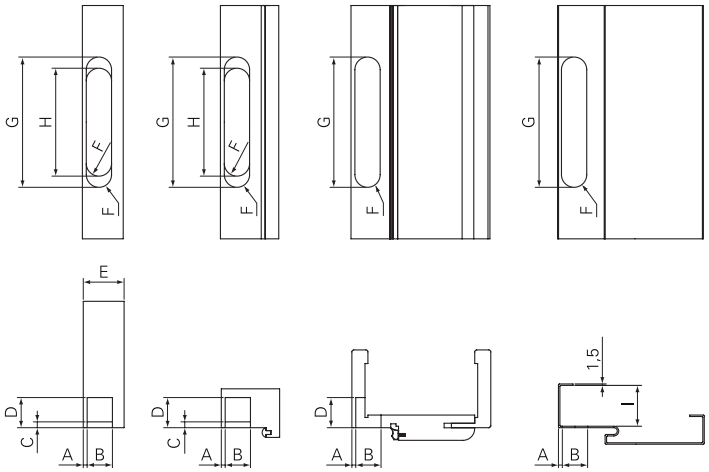
1364646	Kit W-Tec 3D+ 60	10 pcs.



Description & accessories

W-Tec 3D+ 100





Hinge order code	W-Tec 3D+ 100	Finish	Packag.
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.
1383906	W-Tec 3D+ 100	Light Bronzed	2 pcs.
1361254	W-Tec 3D+ 100	Brassed	2 pcs.

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

Jig
Milling jig with insert



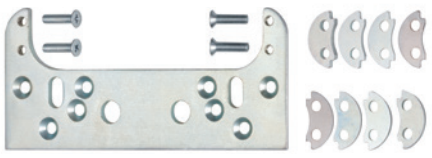
1272844	Milling jig	1 pc.
1365131	Insert 1–2 for W-Tec 3D+ 100 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365240	Insert 1–2 for W-Tec 3D+ 100 (cutter Ø 16 and guide ring Ø 27)	1 pc.

Support
Support for steel frame



1365313	Support W-Tec 3D+ 100	10 pcs.

Kit
Kit reinforcing plate for cover frame

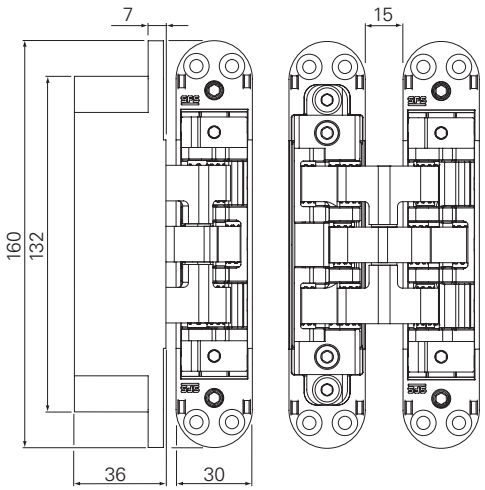


1364662	Kit W-Tec 3D+ 100	10 pcs.

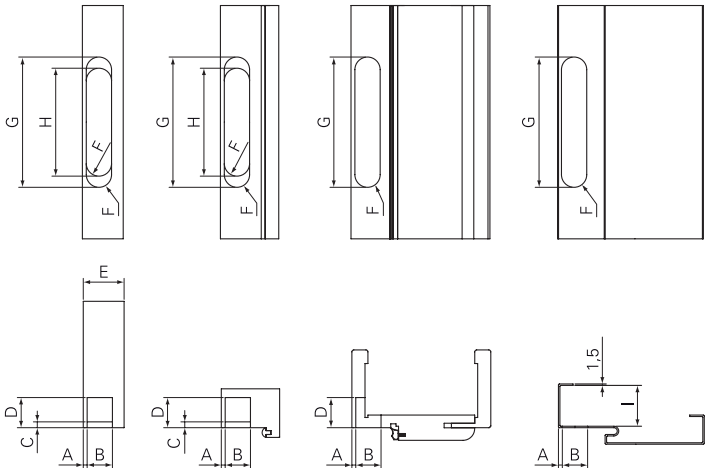

SFS

Description & accessories

W-Tec 3D+ 160



Hinge order code	W-Tec 3D+ 160	Finish	Packag.
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.
1468818	W-Tec 3D+ 160	Light Bronzed	2 pcs.
1364560	W-Tec 3D+ 160	Brassed	2 pcs.



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

Jig
Milling jig with insert



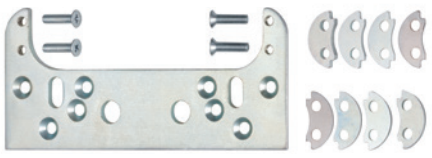
1272844	Milling jig	1 pc.
1365131	Insert 1–2 for W-Tec 3D+ 160 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365240	Insert 1–2 for W-Tec 3D+ 160 (cutter Ø 16 and guide ring Ø 27)	1 pc.

Support
Support for steel frame



1365313	Support W-Tec 3D+ 160	10 pcs.

Kit
Kit reinforcing plate for cover frame



1364662	Kit W-Tec 3D+ 160	10 pcs.

W-Tec 3Ds
hinge for narrow profiles

The slim and robust concealed hinge for narrow profiles.

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 extremely stable thanks to its 7-axis internal mechanism and suitable for frames of solid timber, cover timber and steel.

W-Tec 3Ds features two mechanical height and horizontal adjustments of +/- 3mm and manual depth adjustment +/- 1mm.

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.

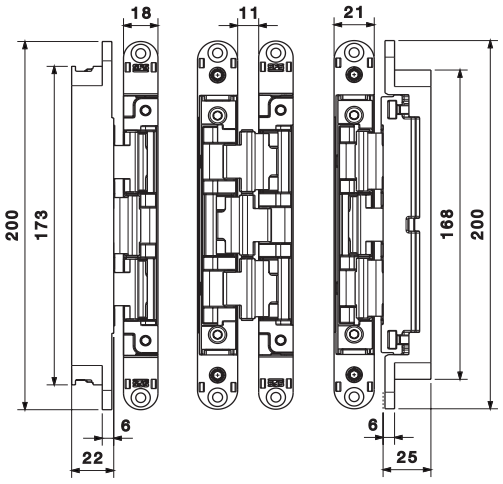
Wide range of finishes on request. Load capacity up to 70 Kg.

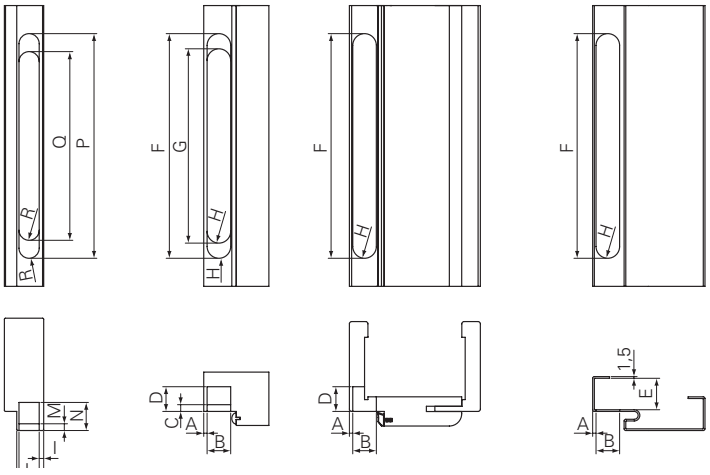

W-Tec
3Ds



Description & accessories

W-Tec 3Ds





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

Load capacity	W-Tec 3Ds
2 hinges	60 kg
3 hinges	70 kg

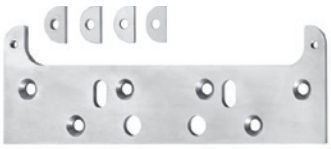
Ref.	W-Tec 3Ds
A	3
B	21
C	6
D	22
E	min. 25
F	200
G	173
H	10,5
I	4
L	18
M	6
N	25
O	min. 24
P	200
Q	168
R	9

Jig
Milling jig with insert



1272844	Milling jig	1 pc.
1502830	Kit Insert 2+2 (cutter Ø 16 and guide ring Ø 27)	1 pc.

Kit
Kit reinforcing plate for cover frame



1502901	W-Tec 3Ds	10 pcs.

Support
Support for steel frame



1502857	W-Tec 3Ds	10 pcs.

W-Tec 3Df
hinge for fire doors

The concealed hinge for fire doors in designer environments.

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

This hinge has been awarded EI 1e2 60 certification

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

The adjustments are all independent from each other, precisely like W-Tec 3D+.

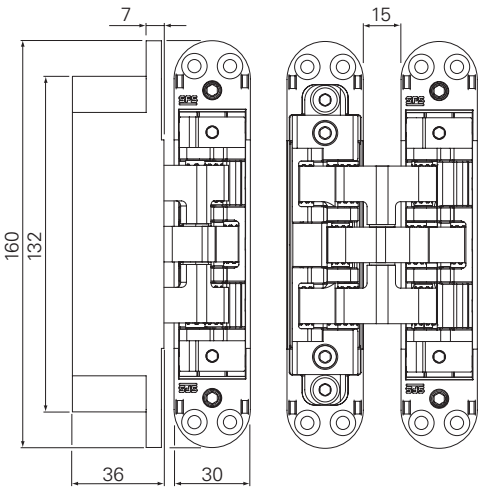
The W-Tec 3Df is mainly used for extremely heavy doors and can be adjusted once fitted by just one person.


W-Tec
3Df

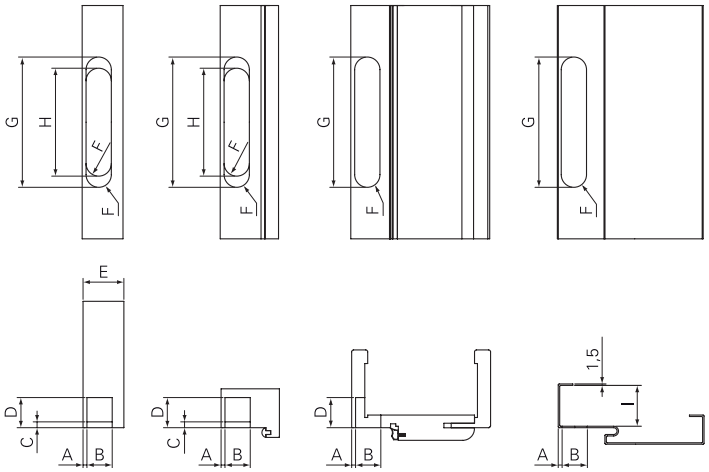


Description & accessories

W-Tec 3Df



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



Load capacity	W-Tec 3Df
2 hinges	140 kg
3 hinges	160 kg

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

Jig
Milling jig with insert



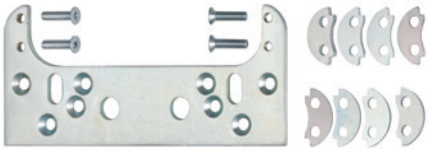
1272844	Milling jig	1 pc.
1365131	Insert 1–2 for W-Tec 3D+ 100/160 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365240	Insert 1–2 for W-Tec 3D+ 100/160 (cutter Ø 16 and guide ring Ø 27)	1 pc.

Support
Support for steel frame



1365313	Support W-Tec 3Df	10 pcs.

Kit
Kit reinforcing plate for cover frame



1364662	Kit W-Tec 3Df	10 pcs.

W-Tec 3Di
hinge with manual adjustment

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 W-Tec 3D+ popular and sought after.

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

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

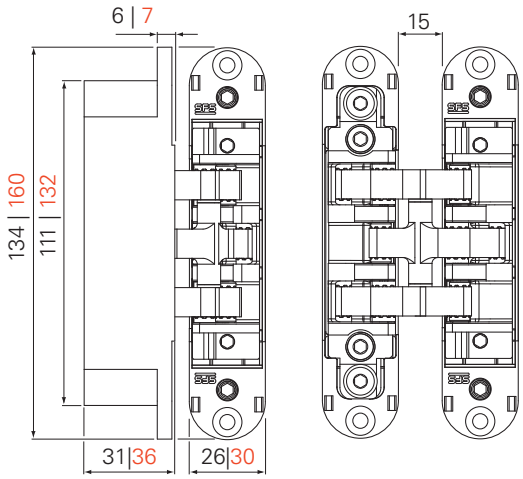
It has the same milling size as the W-Tec 3D+ version.


W-Tec
3Di

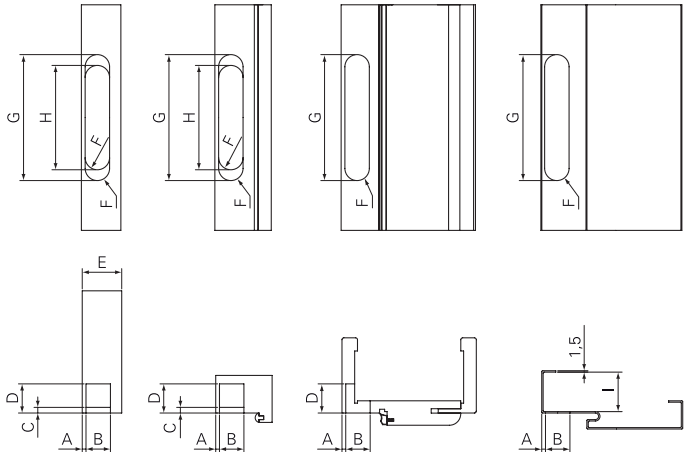

SFS

Description & accessories

W-Tec 3Di 60 | 100



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



Load capacity	W-Tec 3Di 60	W-Tec 3Di 100
2 hinges	50 kg	80 kg
3 hinges	60 kg	100 kg

Ref.	W-Tec 3Di 60	W-Tec 3Di 100
A	4	4
B	26	30
C	6	7
D	31	36
E	min. 34	min. 38
F	13	15
G	134	160
H	111	132
I	min. 35	min. 40

Jig
Milling jig with insert



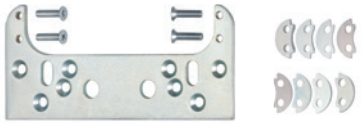
1272844	Milling jig	1 pc.
1365130	Insert 1–2 for W-Tec 3D+ 60 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365131	Insert 1–2 for W-Tec 3D+ 100/160 (cutter Ø 20 and guide ring Ø 30)	1 pc.
1365239	Insert 1–2 for W-Tec 3D+ 60 (cutter Ø 16 and guide ring Ø 27)	1 pc.
1365240	Insert 1–2 for W-Tec 3D+ 100/160 (cutter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

Support
Support for steel frame



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

Kit
Kit reinforcing plate for cover frame



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

W-Tec 3DL
hinge for heavy doors

A sum of high technical performance, design, strength and safety.

Designers are continually demanding ever higher performance from extremely heavy doors.
To meet these requirements, SFS has developed its concealed hinge range to include the W-Tec 3DL.

Thanks to its internal 7-axis mechanism and the special shape of its exceptionally strong levers, the W-Tec 3DL is totally stable and secure.

The adjustments are easy and all independent from each other.

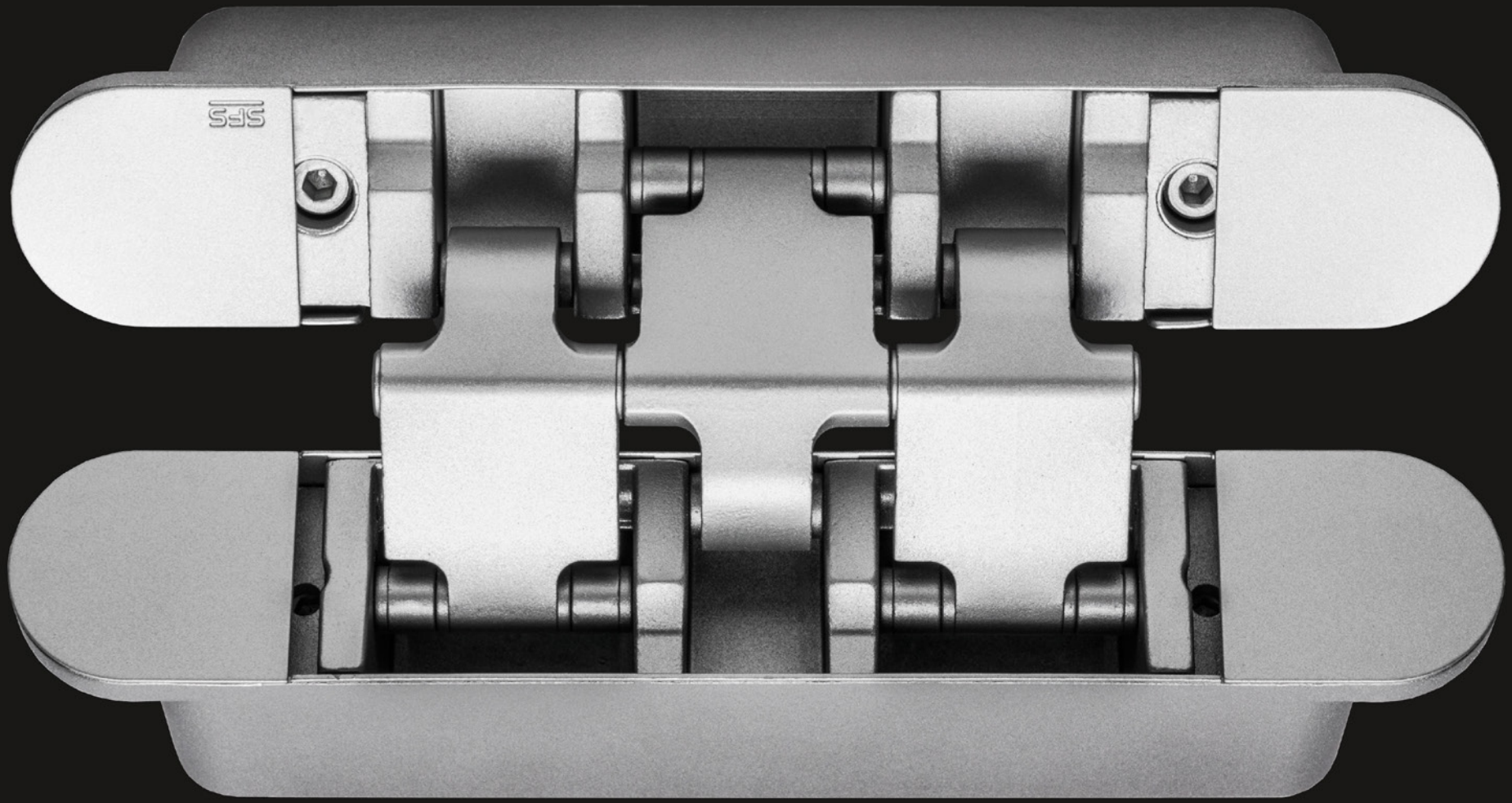
Applicable on doors and frames with cladding up to 8 mm or if door needs to avoid a cover profile. This hinge is suitable for timber, steel and cover frames.

Load capacity up to 230 kg. with 4 hinges and available in a wide range of colours on request.

W-Tec 3DL is +/- 3mm adjustable laterally and in height and +/-1mm adjustable in gasket pressure.

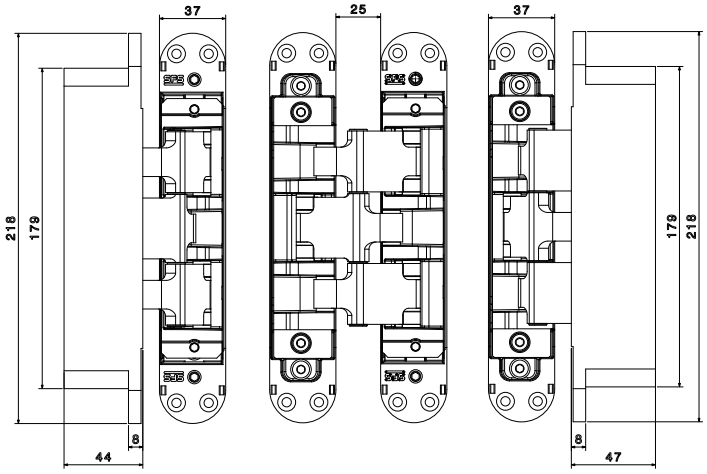
To facilitate door assembly, the frame can be fixed separately with the hinge support already applied.

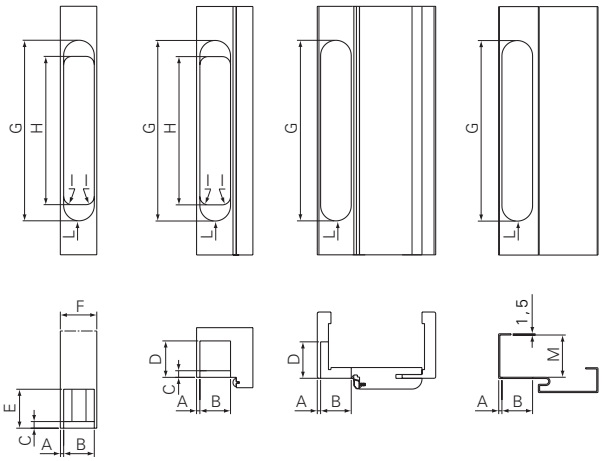

W-Tec
3DL


SFS

Description & accessories

W-Tec 3DL

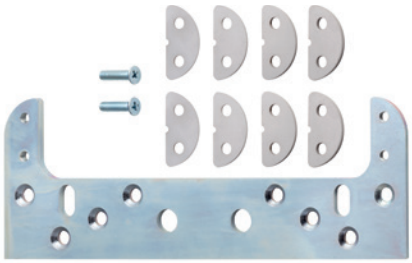




Hinge order code		Finish	Packag.
1558802	W-Tec 3DL	Zinc GSS	2 pcs.
1558801	W-Tec 3DL	Matt Chrome	2 pcs.

Load capacity	W-Tec 3DL
2 hinges	200 kg
4 hinges	230 kg

Kit
Kit reinforcing plate for cover frame



1558328	W-Tec 3DL	10 pcs.

Ref.	W-Tec 3DL
A	min. 4 ÷ max. 8
B	37
C	8
D	44
E	47
F	min. 40+A
G	218
H	179
I	10
L	18,5
M	min. 48

Dima
Milling jig with insert

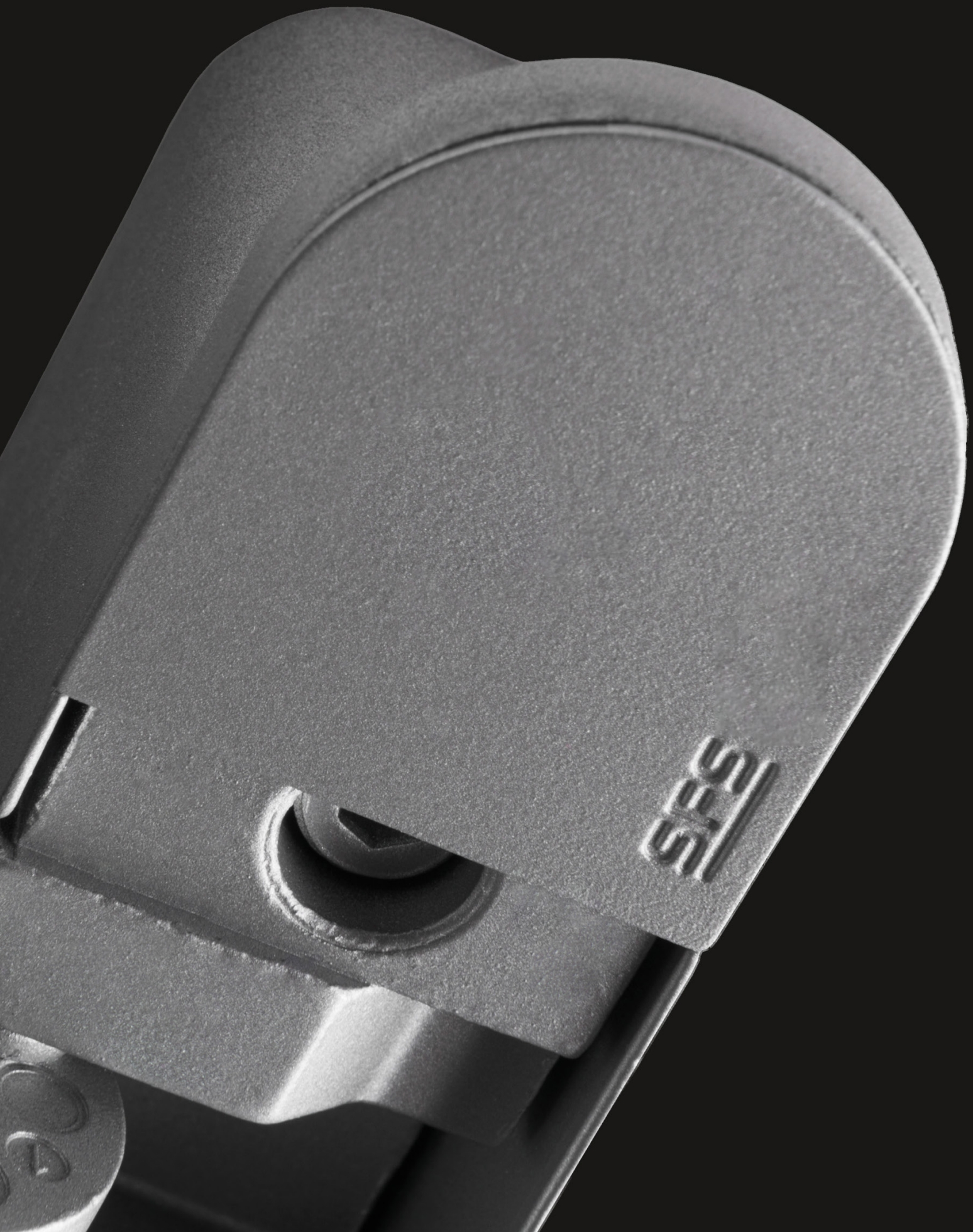


1558749	Milling jig with insert	1 pc.

Support
Support for steel frame



1558326	W-Tec 3DL	10 pcs.


135

Inventing success together


SFS
EXAMPLES
warm

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