FACADE BLINDS C-65F, C-80F, Z-70F, Z-90F, S-90F

DIMENSIONS
Width of blind: max. 350 cm
Height of blind: max. 400 cm (based on the cover height)

MAXIMUM BLIND AREA
11 m²

MAXIMUM WIDTH
OF CONNECTED BLINDS
8 m motor controlled, each blind must have two individual guiding rails

MINIMUM WIDTH OF BLIND
60 cm motor

Blind connection
Several blinds may be connected to the same motor. Max. 2 blinds may be connected to one drive, provided the motor is positioned in the middle of the connection.

There must be max. 5 bearings (rotation mechanism) from each side of the motor.

In case of connected blinds, the maximum variation of the slat tilt angles may be up to 20°.

Note:
The measured width should be measured to the centre of the guiding rails; the height should be measured including the upper rail and holder no. 1.
The standard distance between guiding rail centre and the facade is 160 mm.
If the blind width is too small, an inclined motion of the blinds cannot be avoided.

MATERIAL OF BLINDS

SLATS
made of aluminium, C-, S- or Z-shaped slats, painted on both sides; slat width 65, 70, 80 or 90 mm; slat thickness 0.42 mm

UPPER RAIL
56 x 58 mm; made of zinc-coated steel sheet or extruded aluminium

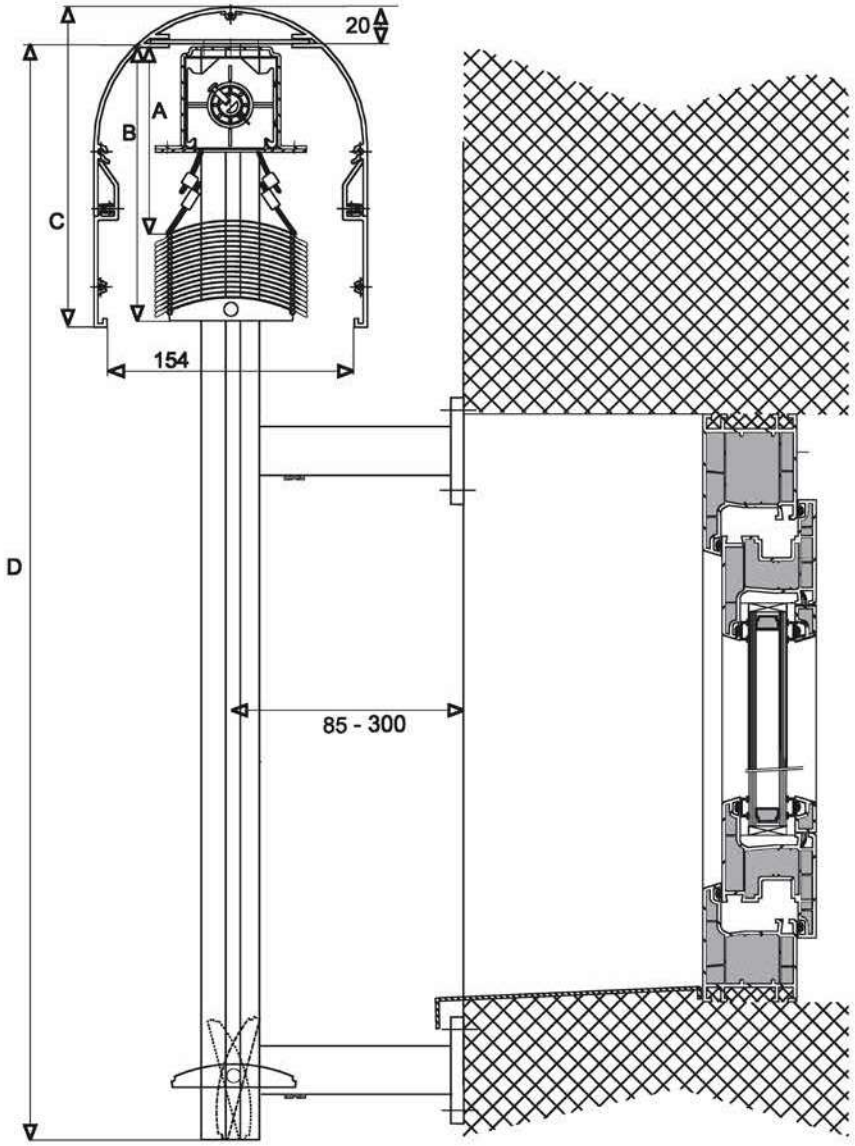
LIFT TAPES AND TILT TAPES
made of synthetic fibres; grey or black colour; lift tape width 8 mm

BOTTOM RAIL
the same width as slats; made of extruded aluminium, colour acc. to RAL or anodized

GUIDING RAILS
ø 40 mm, made of extruded aluminium, colour acc. to RAL or anodized

COVER
made of extruded aluminium, colour acc. to RAL or anodized, the maximum lenght of cover in one piece is 5,500 mm (only when installing 2 or more blinds inside of one cover).
The external connection piece is supplied with the split covers. Rails and covers are painted in our own powder paintshop. Powder painting complies with GSB standards.

FACADE BLINDS C-65F, C-80F, Z-70F, Z-90F, S-90F



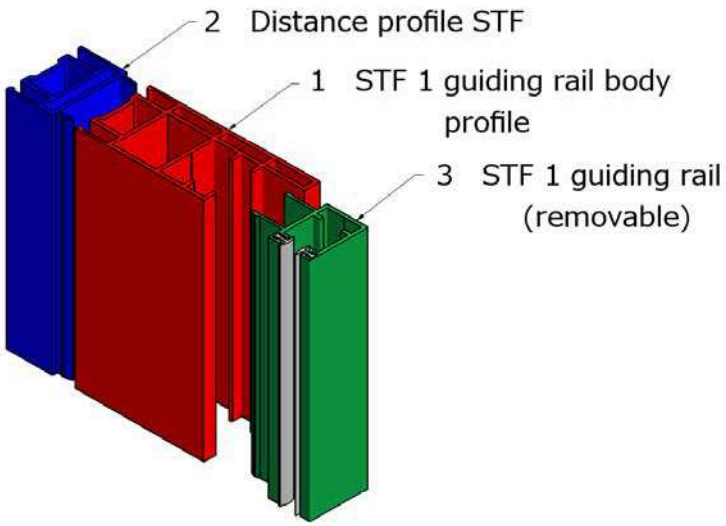
- (A) The distance to the first slat
- (B) Height of the packet see the table on page 28
- (C) Cover height
- (D) Blind total height

SELF-BEARING SYSTEM - STF 1

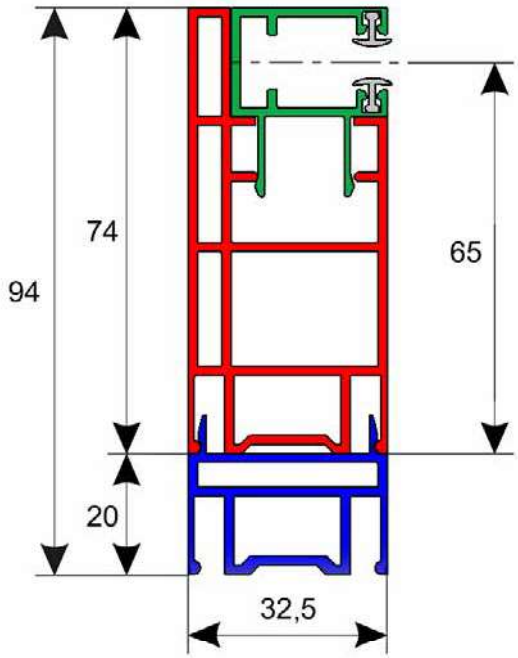
Installation on a window frame with a removable guiding rail

- option of installation with/without a cover or with an ISO-KASTL case
- intended only for blinds with guiding pins **(S-90, Z-90, Z-70, C-80, C-65, and F-80V)**
- option of blind off-set from the window with the use of distance profiles

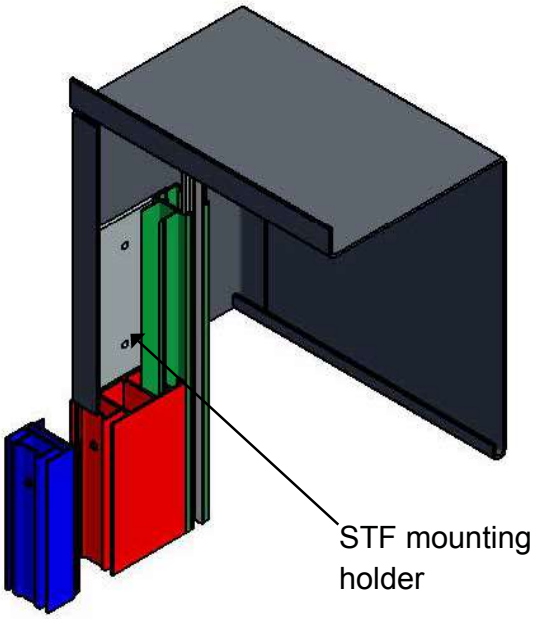
STF1 - guiding rails



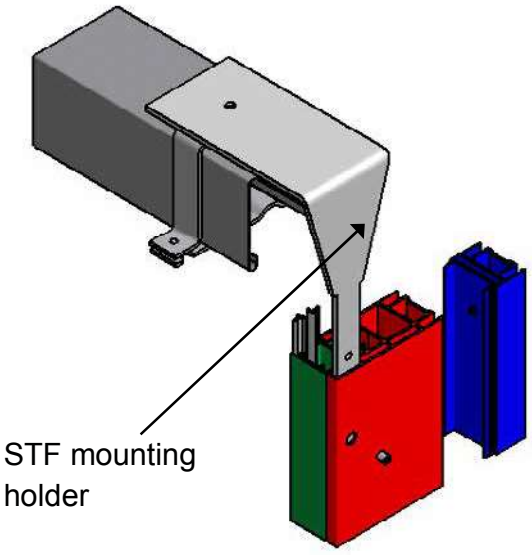
Guiding rail drawing STF 1



STF1 - System with the cover or ISO-KASTL case for external blinds



STF 1 system without the cover



The external blinds with the STF 1 self-bearing system

Blind width	**60 - 230 cm** (applies for a self-bearing system). With blinds longer than 230 cm, the system must be supplied with an additional support of the upper rail into the ceiling or side wall.
Blind height	**max. 350 cm** (the blind height means the distance from the ceiling holder to the end of the last slat with the blind in the closed position).
Blind control	motor
Maximum total blind area	**8 m²** (without additional support of the upper rail) **12 m²** (with additional support of the upper rail)
Blind design	The blind is always equipped with two self-bearing guiding rails.

With this type of blinds **it is not possible to connect** more blinds to 1 motor and **it is not possible** to use different types of guiding rails!

Technical specifications of blinds with self-bearing system STF 1

STF 1 guiding rail - made of extruded aluminium, painted according to RAL standard, consists of 2 or more parts.

Parts of the STF 1 guiding rail:

1. STF 1 guiding rail body profile - it is the body of the STF 1 self-bearing system.

2. Distance profile STF - this rail is not a standard part of the delivery; it is used as an extension piece to obtain the required distance of the guiding rail from the window. It is used when the blind axis needs to be located at a distance > 65 mm from the window frame. **Up to 2 distance profiles may be used in one assembly.**

3. STF 1 guiding rail (removable) - the rail contains “plastic profile”.
If profiles no. 1 and 2 are ordered at the same time, they are delivered assembled including pre-drilled holes for mounting guiding rails onto the window frame.

Upon request, the bottom part of the guiding rails may be cut in angle of 4 degrees.

Blind holders - with this type of blinds, we do not recommend using holder no. R1

Slats - made of aluminium, rolled into a C, Z, S or F profile including guiding pins.

Note: Due to the use of robust guiding rails, the slats are 76 mm shorter compared to the blind width (i.e., 38 mm on each side).

Blind upper rail - is 80 mm shorter compared to the overall blind width.

Cover - bent sheet is supplied including sides and STF blind holders.

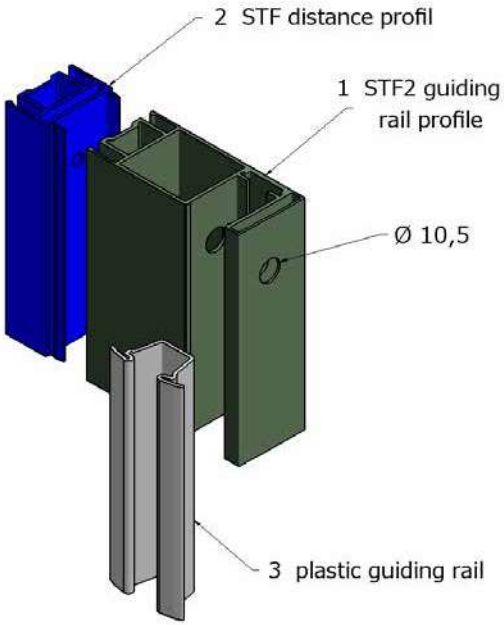
Cover thickness is 2 mm, colour acc. to RAL standard or anodized.

SELF-BEARING SYSTEM - STF 2

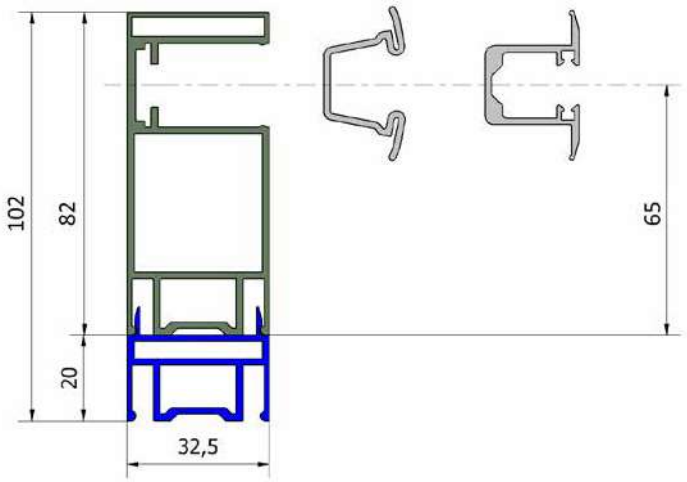
Installation on an window frame with a hidden guiding rail

- option of installation with/without a cover or with an ISO-KASTL case
- intended only for blinds with guiding pins **(S-90, Z-90, Z-70, C-80, C-65 and F-80V)**
- option of blind off-set from the window with the use of distance profiles

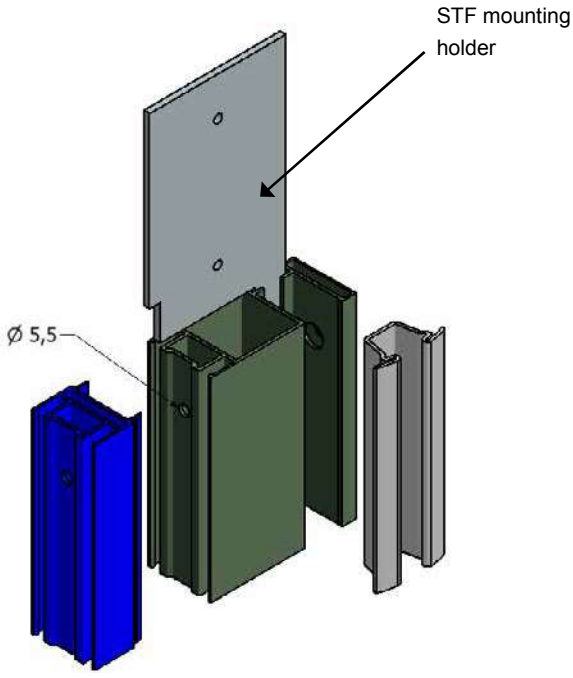
STF2 guiding rails



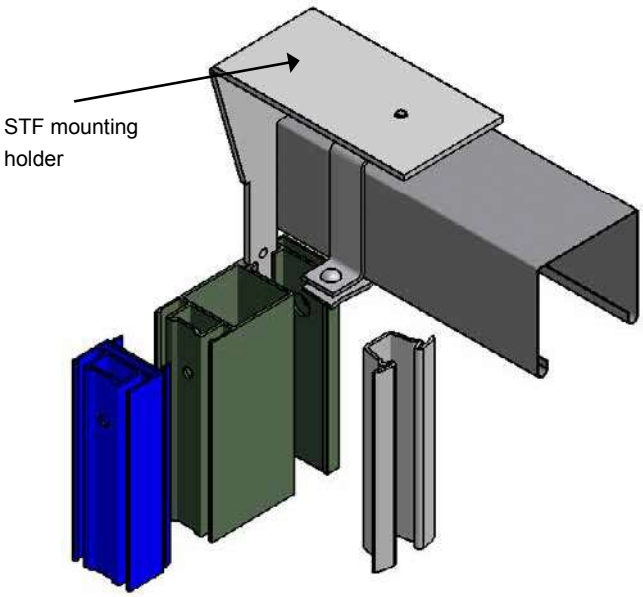
STF 2 guiding rail drawing



STF 2 - System with cover or ISO-KASTL case



STF 2 system without the cover



External blinds with the self-bearing system STF 2:

Blind width	**60 - 230 cm** (for self-bearing system) With blinds longer than 230 cm, the system must be supplied with an additional support of the upper rail into the ceiling or the side wall.
Blind height	**max. 350 cm** (the blind height means distance from the ceiling holder no. 1 to the end of the slat with the blind in the closed position).
Blind control	motor
Maximum total blind area	**8 m²** (without additional support of the upper rail) **12 m²** (with additional support of the upper rail)
Blind design	The blind is always equipped with two self-bearing guiding rails.

With this type of blinds **it is not possible to connect** more blinds to 1 motor and **it is not possible** to use different guiding rails!

Technical specifications of blinds with the self-bearing system STF 2

STF 2 guiding rail - made of extruded aluminium, painted according to RAL standard, consists of 2 or more parts.

1. STF 2 guding rail profile - it is formed by the body of the STF 2 self-bearing guiding system.

2. Distance profile STF - this rail is not a standard part of the delivery; it is used as an extension piece to obtain the required distance of the guiding rail from the window. It is used when the blind axis needs to be located at a distance > 65 mm from the window frame. **Up to 2 distance profiles may be used in one assembly.**

3. Plastic guiding rail - plastic insert for the guiding rail, grey colour similar to RAL 9006.

CAUTION: An aluminium hidden guiding rail (Z type) may be used instead of the plastic guiding grail. It may have a colour acc. to the RAL standard (a plastic profile is part of the aluminium guiding profile).

If profiles no. 1 and 2 are ordered at the same time, they are delivered assembled together including pre-drilled holes for mounting the guiding rail onto the window frame. Upon request, the bottom part of guiding rails no. 1 and 2 may be cut in angle of 4 degrees.

Blind holders - Holder no. R1 is not recommended for blinds with the self-bearing system STF 2.

Slats - made of aluminium, rolled into a C, Z, S or F profile including guiding pins.
Note:. Due to the use of robust guiding rails, the slats are 76 mm shorter compared to the blind width (i.e., 38 mm on each side).

Blind upper rail - is 80 mm shorter compared to the overall blind width.

Cover - Bent sheet is supplied with the sides and bearing holders of the STF blinds.
Cover thickness is 2 mm, colour acc. to RAL or anodized (including sides).

MEASURING BLINDS WITH STF SELF-BEARING SYSTEM

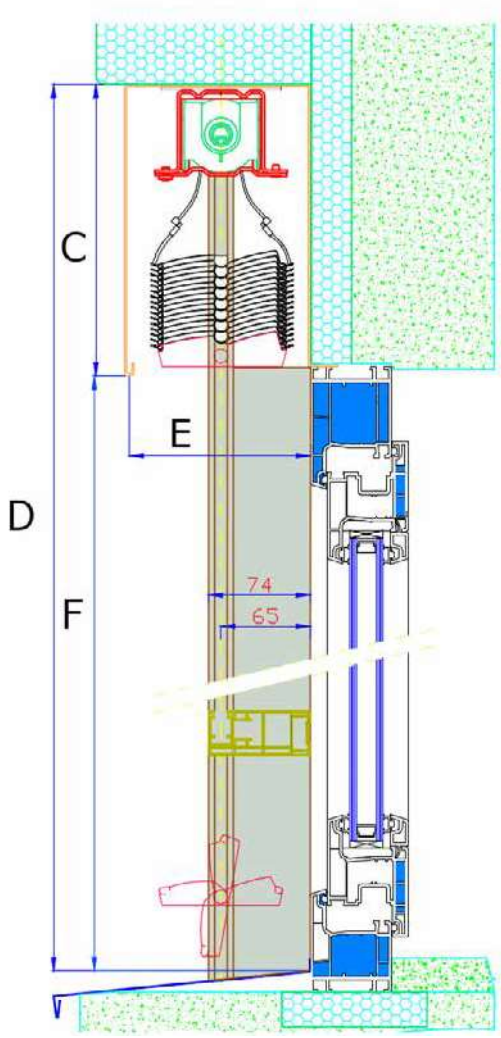
Measuring the STF1 and STF2 systems with cover, without cover or without ISO-KASTL case

The complete blind height = measured hole = dimension “D”. The overall blind height must be measured and entered in the purchase order as follows:

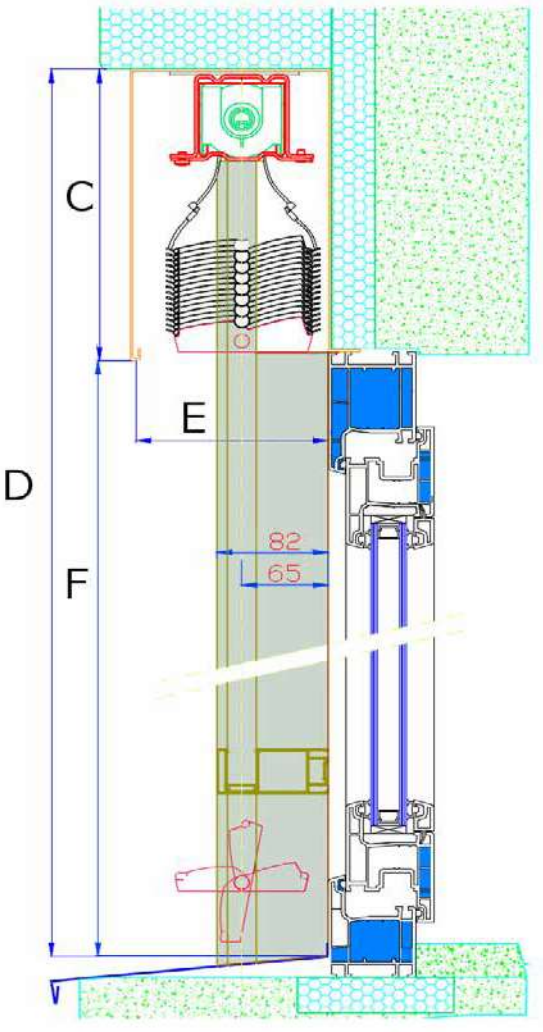
“C” dimension - Height of the packet (cover height)
“F” dimension - Window (distance from the cover to the bottom part)

The blind width should be measured including the STF guiding rail.

STF 1 system with cover



STF 2 system with cover



Notes:
C - Height of the packet (cover height)
D - Total height of the blind (cover height)
E - Recommended space for the blind 130 mm
F - Window

Types of covers for STF system

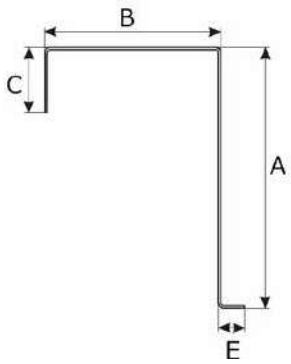
Recommended dimensions

- (A) - Acc. to the packet height.
- (B) - min. 130 mm
- (C) - min. 50 mm
- (D) - min. 20 mm
- (E) - min. 20 mm

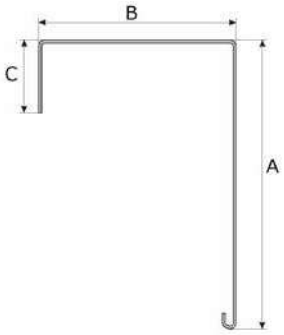
Cover thickness: 2 mm

The covers are delivered including the sides.

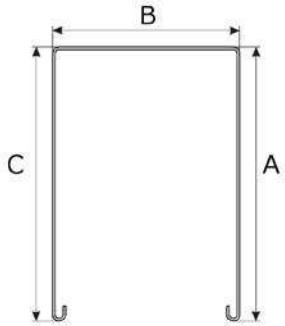
F11 cover



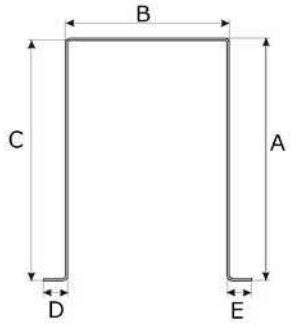
F21 cover



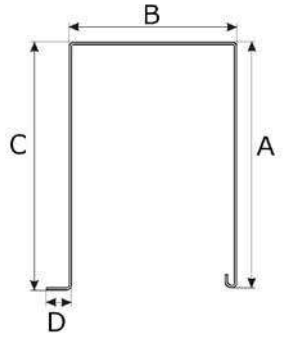
F30 cover



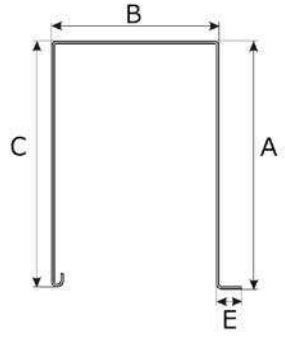
F31 cover



F32 cover



F33 cover



MEASURING BLINDS WITH STF SELF-BEARING SYSTEM

STF1 and STF2 system measurements with the ISO-KASTL case for external blinds

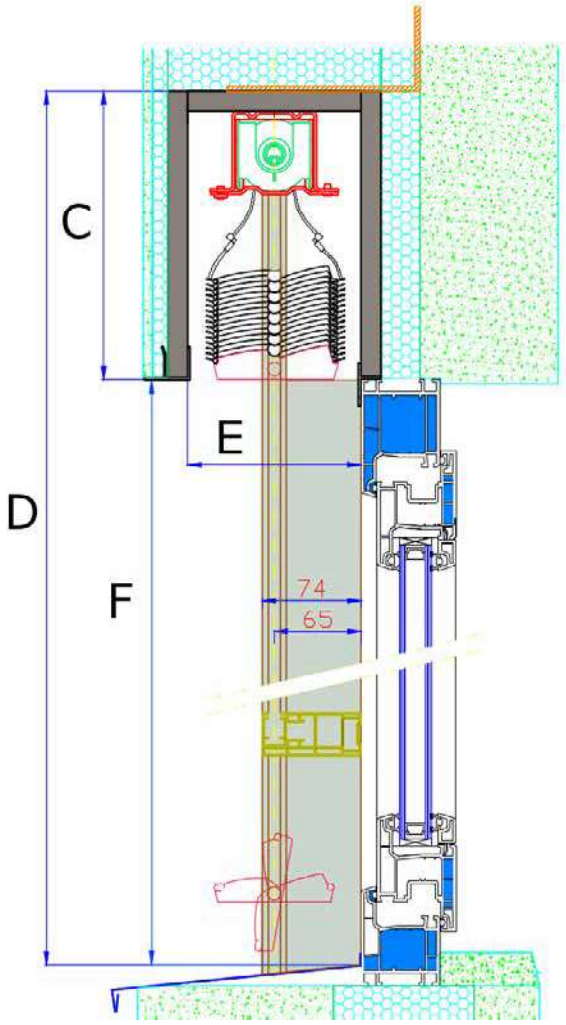
The complete blind height must be measured and entered in the order as follows:
“C” dimension - Total height of the cover (including ISO-KASTL material thickness).
“F” dimension - Window (distance from the cover to the bottom part)

Total height of the blind (D) including the ISO-KASTL case (case thickness is 15 mm).

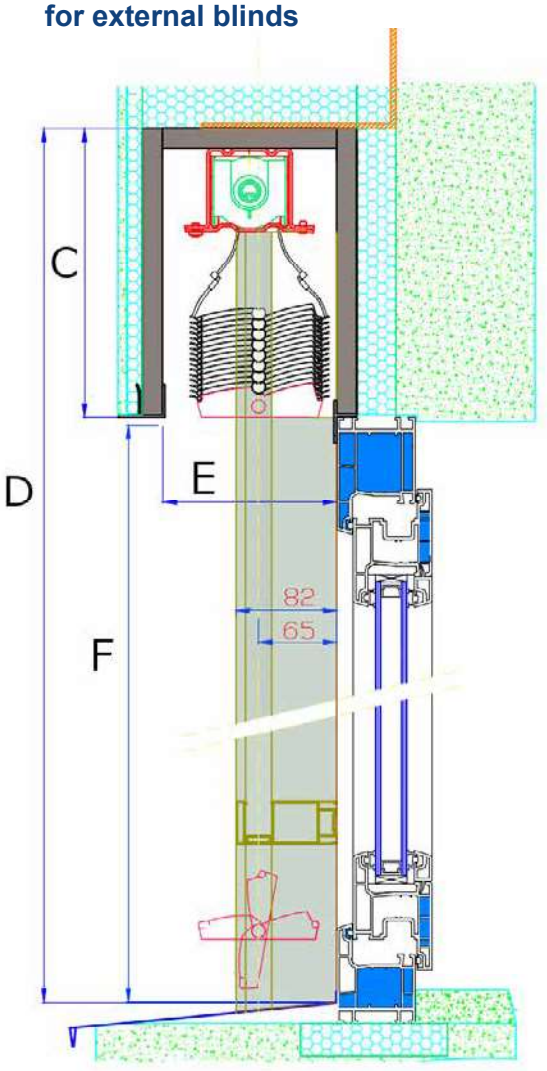
CAUTION: A combination of the STF system and the ISO-KASTL case is not designed as a self-bearing system, therefore the ISO-KASTL case must always be fixed to the building!!!

The blind width should be measured including the STF guiding rail.

STF 1 system with ISO-KASTL case for external blinds



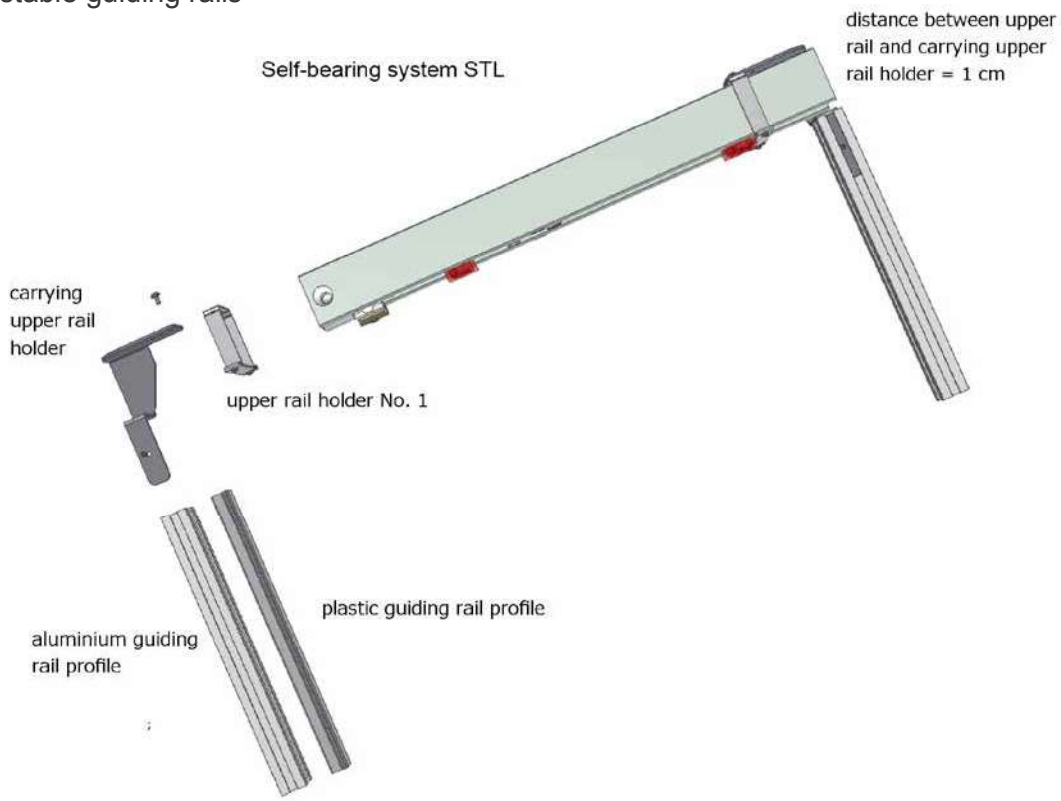
STF 2 system with ISO-KASTL case for external blinds



Notes:
C - Total height of ISO-KASTL case
D - Total height of the blind (including the case height)
E - Recommended space for the blind 130 mm
F - Window

Installation on the window frame or in dado

- quick installation of the blinds in the prepared space under the facade
- intended only for blinds with guiding pins (S-90, Z-90, Z-70, C-80, C-65 and F-80V)
- robust stable guiding rails



Specifications of blinds with self-bearing system:

Blind width	**max. 230 cm** blind width = linning width (when mounted in the dado). With blinds longer than 230 cm, the system must be supplied with an additional support of the upper rail into the ceiling or the side wall.
Blind height	**max. 350 cm** (the blind height means the distance from the ceiling holder to the end of the slat with the blind in the closed position).
Blind control	by crank or motor
Maximum total blind area	**8 m²**
Blind design	The blind is always equipped with two self-bearing guides.

With this type of blinds **it is not possible** to connect more blinds to 1 motor and **it is not possible** to use different guiding rails!

STL - SELF-BEARING SYSTEM

Technical specifications of blinds with the STL self-bearing system

Slats
Made of aluminium, rolled into a C, Z, S or F profile including guiding pins; due to the use of robust guiding rails, the slats are 64 mm shorter compared to the blind width (i.e., 32 mm on each side).

Upper rail
56 x 58 mm, aluminium or zinc-coated steel, upper rail length = blind width
(the upper rail may be also delivered in a version 32 mm shorter from each side)

ATTENTION! If the gearbox position is more than -15 mm, the gearbox will exceed the blind width!!!

Guiding rail STL
Aluminium rail including a plastic guiding rail profile with a width of 27 mm, aluminium rail colour acc. to RAL, plastic guiding rail profile in grey similar to RAL 9006.

CAUTION: The plastic guiding rail profile inside the STL guiding rail may be replaced by a guiding rail of the Z type, which must, however, be fixed by screws.

Length of the guiding rail STL
= blind height - 75 mm; plastic insert of the guiding rail = length of the STL guiding rail

Blind holders
Each blind is delivered with 2 pcs of the carrying upper rail holder including holder no. 1 (1x left and 1x right carrying holder). It is not recommended to use holders no. R1 for this type of blinds.

Guiding rail holders
Guiding rails are intended mainly to be mounted in the dado, i.e., without rail holders. A self-bearing system may, however, be supplied with KV holders or telescopic holders mounted on the window frame.

CAUTION: If the guiding rails are mounted with telescopic holders, it is necessary to place the guiding rails on a firm base that bears the weight of the blind!

Position of crank-driven gearbox:
The gearbox may be positioned in the upper rail so that it exceeds /does not exceed the overall width of the blind.

Maximum allowable extension of the gearbox:
max. + 78 to 0 mm (shortened upper rail)
max. + 110 to 0 mm (standard upper rail, i.e., upper rail = blind width)