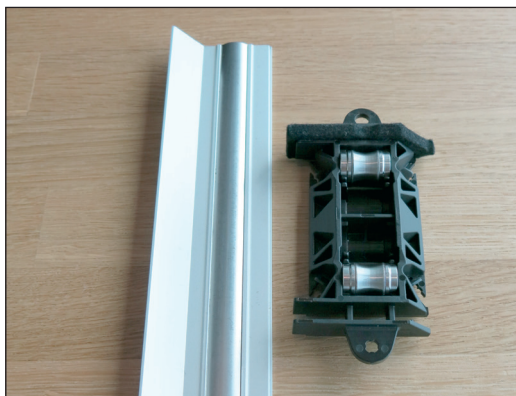


## Sky-Frame

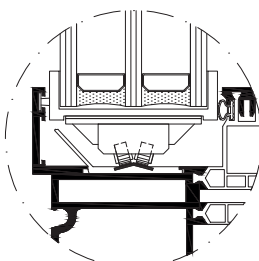
### Technical Newsletter (2017-04) New running gears “Carrello”

#### New running gears “Carrello”

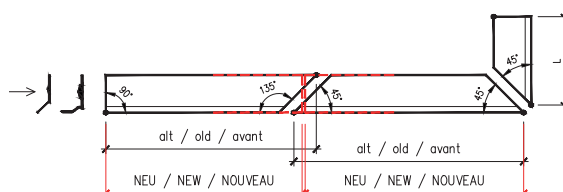
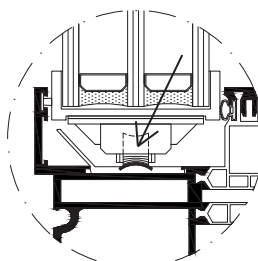


New running track with new running gear

previously:



new:



Because of the expansion of the system size to panes of glass weighing up to a ton, it became necessary to develop a stronger running gear.

The new running rollers with optimised support points and the new running track with a round guide track plate have been successfully tested in endurance tests over 100 km.

In order to achieve the best possible performance, the amount of running gears depending on the weight of the glass was optimally matched to the new track geometry.

The principle of the rubber pads has been retained. The supports are still 1mm thick and therefore make it possible to adjust the elements exactly by adding or removing the rubber.

#### ONLY FOR SKY-FRAME 3!

Multiple running gears will continue to be connected to each other with heavy glass weights:

bis 250kg	→ 2 running gears / pane of glass
251kg bis 400kg	→ 4 running gears / pane of glass
401kg bis 550kg	→ 6 running gears / pane of glass

With the special “Carrello H” (heavy) version, glass weights of up to a ton are possible:

550kg bis 1000kg	→ 8 running gears / pane of glass
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#### Note:

The new running gears are NOT compatible with the previous running tracks. New running gears AND running tracks must be installed during replacement.

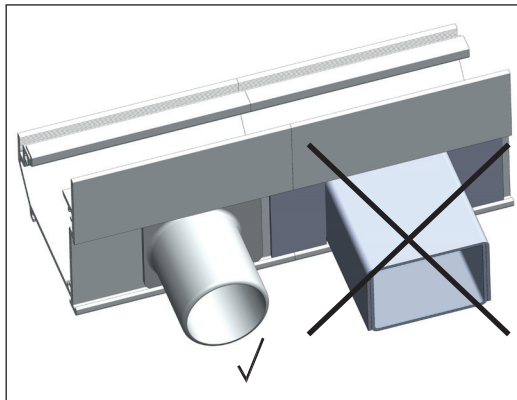
All longitudinal running track connections of Sky-Frame 1/2 + 3 are newly cut STRAIGHT.

Changeover: from drawing date 1 September 2017

## Sky-Frame

### Technical Newsletter (2017-05) New gutter connecting piece

#### New gutter connecting piece

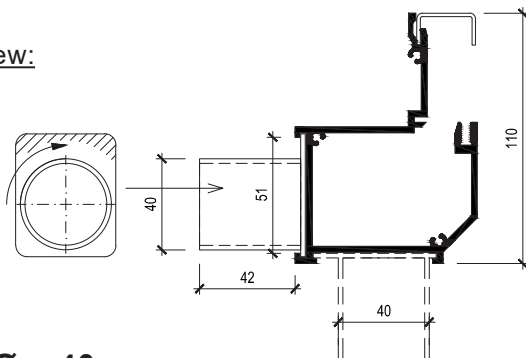


The new gutter connecting piece makes it possible to install all gutter types, running either downwards or sideways.

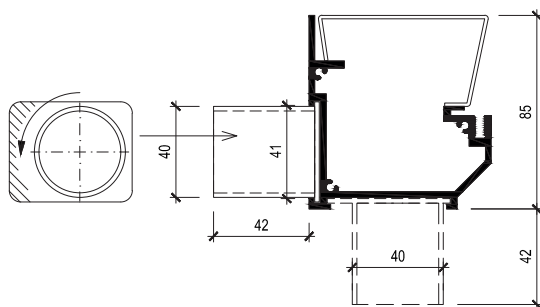
“Gutter 85” previously required a special, rectangular connecting piece for sideways installation (Type “B”). The square shape made it extremely difficult to make the drain pipe connection.

The new connecting piece is designed so that it can be rotated and inserted into any gutter and into the gutter groove in any position.

new:



**Ø = 40mm**



The diameter had to be reduced due to the standardisation of the shape of the connecting piece.

Previous external diameter: Ø = 50 mm

**New external diameter: Ø = 40 mm** ( $A_w = 1'075 \text{ mm}^2$ )

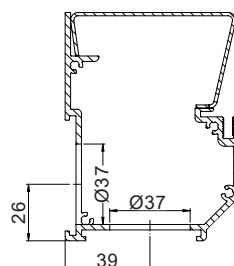
Despite the smaller drainage cross-section, the recommended number of connecting pieces remains the same.

#### Recommended number:

Systems  $H < 3.5 \text{ m}$  = at least 2x pieces / 6 m gutter

Systems  $H > 3.5 \text{ m}$  = at least 3x pieces / 6 m gutter

(Number to be calculated in accordance with local rainfall)



If the connecting piece hole is drilled into the gutter on site, a drill with a **diameter Ø = 37 mm** must be used.

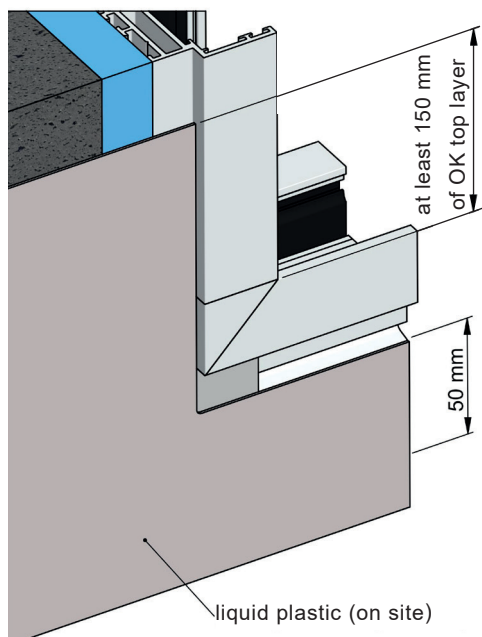
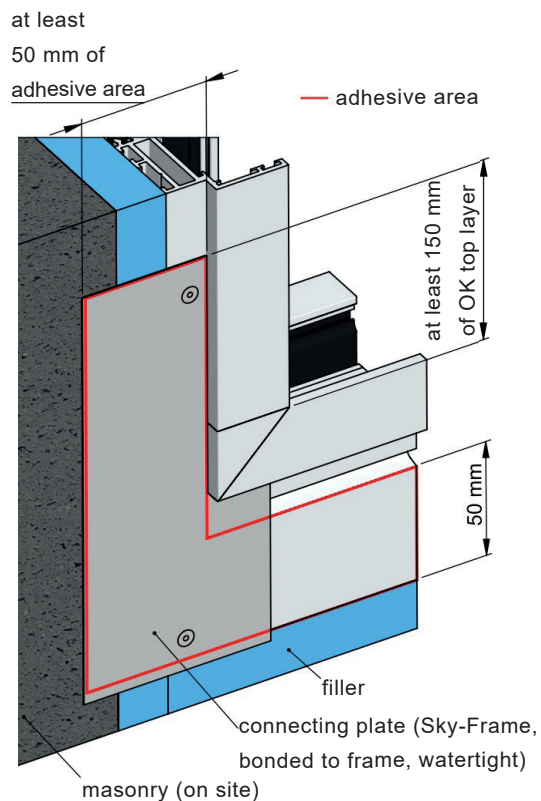
Availability:

new standard available immediately

## Sky-Frame

### Technical Newsletter (2017-06) Connecting plate

#### Connecting plate



In order to achieve the optimum spacious effect of Sky-Frame, threshold-less transitions are required.

The long-established base details of Sky-Frame, which comply with Swiss standard SIA 271, enables fulfillment of the requirements of the standard DIN 18531:2017 as well as the German «flat roof directive».

The German «flat roof directive» (point 4.4) requires a “surrounding adhesive area of at least 50 mm” and also a “connecting area of 150 mm above the top layer” in the corners.

The new connecting plate makes it possible to have a neat, standard-compliant seal connection, also at the frame corners.

The plate is glued on when installation is complete and firmly attached to the frame through the two holes using countersunk-head rivets (in accordance with separate installation instructions).

The connecting plates are supplied as standard for all orders in Germany.

Other countries on request.

Connecting plate:	Technology:	Article No.
(2 plates + 4 rivets)	Sky-Frame 1+2	401412
	Sky-Frame 3	401413

Availability:

From 1<sup>st</sup> October 2017

## Sky-Frame

### Technical Newsletter Overview

No.	The following technical newsletters have been issued:
<b>2013-01</b>	Running gear with felt head
<b>2013-02</b>	Locking catch with torsion spring
<b>2013-03</b>	Screw locking mechanisms black
<b>2013-04</b>	Sky-Frame Arc
<b>2013-05</b>	Insect screen
<b>2013-06</b>	Fixed panel glazing
<b>2013-07</b>	Reinforced corner profile (Sky-Frame 2)
<b>2013-08</b>	Labyrinth 30 (Sky-Frame 3)
<b>2013-09</b>	Lever-action glass lifter
<b>2013-10</b>	Sky-Laser
<b>2014-01</b>	Belt tensioner lock
<b>2014-02</b>	Standard brackets in aluminium
<b>2014-03</b>	Declaration of Performance
<b>2014-04</b>	Swisspacer V
<b>2014-05</b>	All-glass steps with foil
<b>2014-06</b>	New pocket doors
<b>2015-01</b>	Inquiry forms
<b>2015-02</b>	Qualicoat class 2
<b>2015-03</b>	Fly higher than 2.9m
<b>2015-04</b>	Fly pull-out handle
<b>2015-05</b>	New Sales Partner Documentation
<b>2015-06</b>	Sky-Frame 1
<b>2015-07</b>	Base 75
<b>2015-08</b>	Sky-Frame 2 with sliding seals
<b>2015-09</b>	Adjustable hooks + 3-point locking
<b>2015-10</b>	Locking handle with pushbutton
<b>2015-11</b>	«Swivel» screw lock
<b>2016-01</b>	New drive SI-1000
<b>2016-02</b>	End piece
<b>2016-03</b>	Interactive order form
<b>2016-04</b>	Thermal insulation layer XN
<b>2016-05</b>	Fixed panel glazing Sky-Frame 3
<b>2016-06</b>	Fly combination tensioner
<b>2016-07</b>	Seaside surface coating
<b>2016-08</b>	AWE alarm evaluation unit information
<b>2017-01</b>	New frame installation instructions
<b>2017-02</b>	Protection profiles + protective film
<b>2017-03</b>	Construction site access
<b>2017-04</b>	New running gears “Carrello”
<b>2017-05</b>	New gutter connecting piece
<b>2017-06</b>	Connecting plate