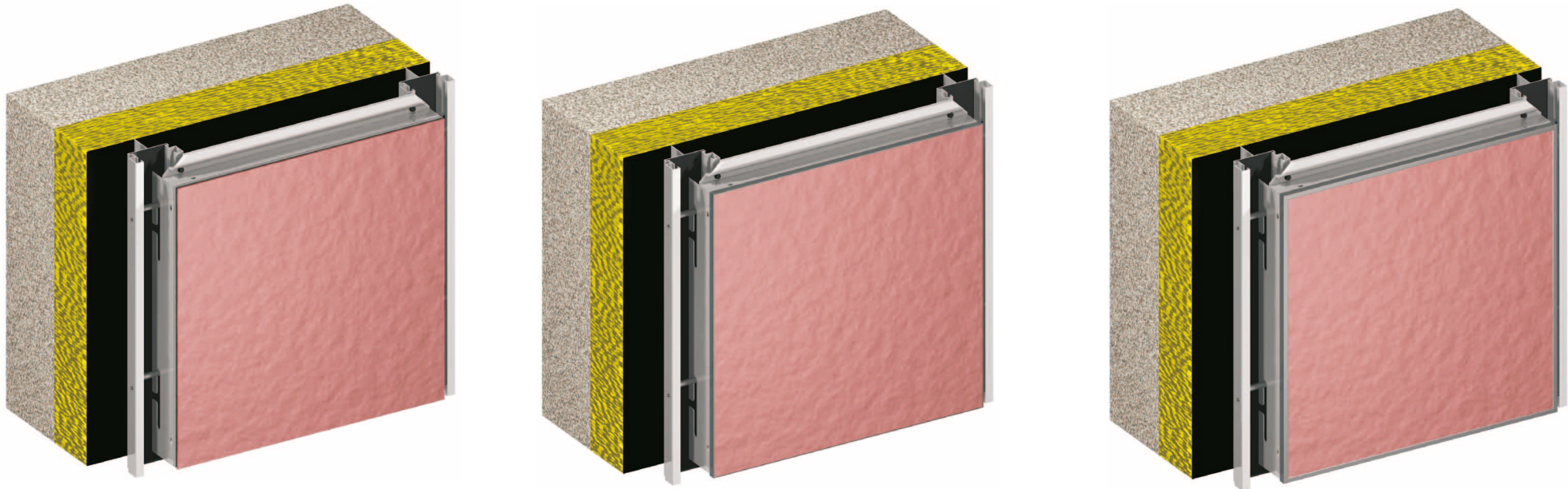


Wido-Frame

The assemblage of façade slabs on an aluminium frame



Dimensions of Laminam slabs (mm)

Width	Height
3000	1000

Thickness of Laminam slabs

Type	Thickness	Characteristics
LAMINAM 3+	3,5	A 3.5mm-thick slab with a fibreglass mat attached to the back
LAMINAM 5+	5,5	A 5.5mm-thick slab without the reinforcing mat

Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

The Wido-Frame system General information

Owing to the fact that thin façade panels are fixed with an adhesive directly to the façade (outside), it has been impossible to apply invisible mechanical fixing in winter or in other inconvenient weather conditions (rain, strong sunshine).

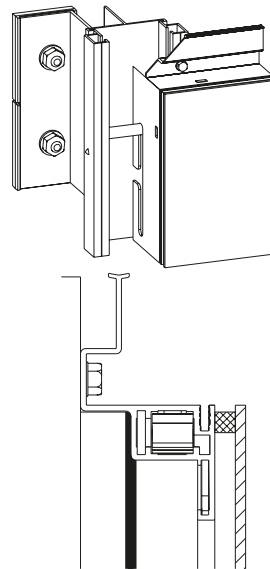
Wido-Profil offers a simple solution to this problem. Panels are fixed to an aluminium frame before they are fixed to a construction wall. Outside weather conditions are irrelevant as the adhesion is conducted inside.

The advantages of the Wido-Frame system:

1. Independence of weather conditions.
2. The adhesion is under control.
3. The costs and efficiency are controlled better.
4. No need to pay for scaffold rental services.
5. Panels may be taken off without damage.
6. Ready made prefabricated panels are assembled faster.

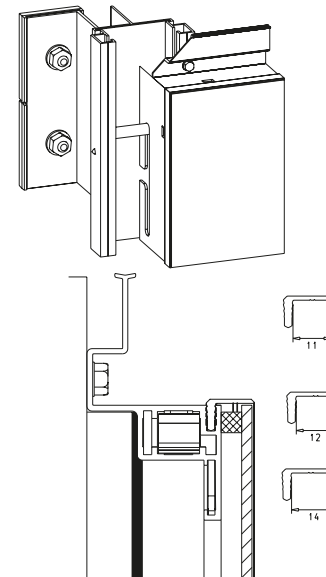
Façade slabs are prepared beforehand at a workbench. In result, the frame assemblage system can be applied even in inconvenient weather conditions, which makes it very attractive for investors. Frames may have three types of finish:

Without a finishing frame



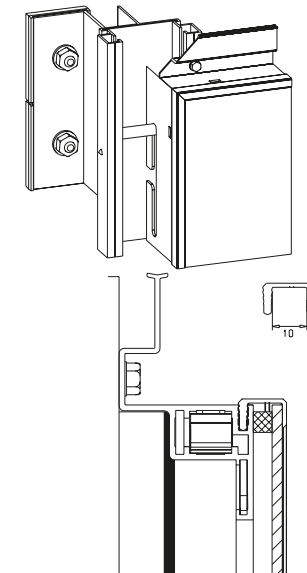
A Laminam slab glued to a Wido-Frame aluminium frame without additional elements.

With an open frame



An open frame placed along outside edges of the aluminium frame performs a decorative function; additionally, it may be a precaution against frame damage during transport or assemblage.

With a closed frame



A closed frame placed along outside edges of the aluminium frame performs a decorative function at the same time being additional mechanical protection of the slab during transport and assemblage.

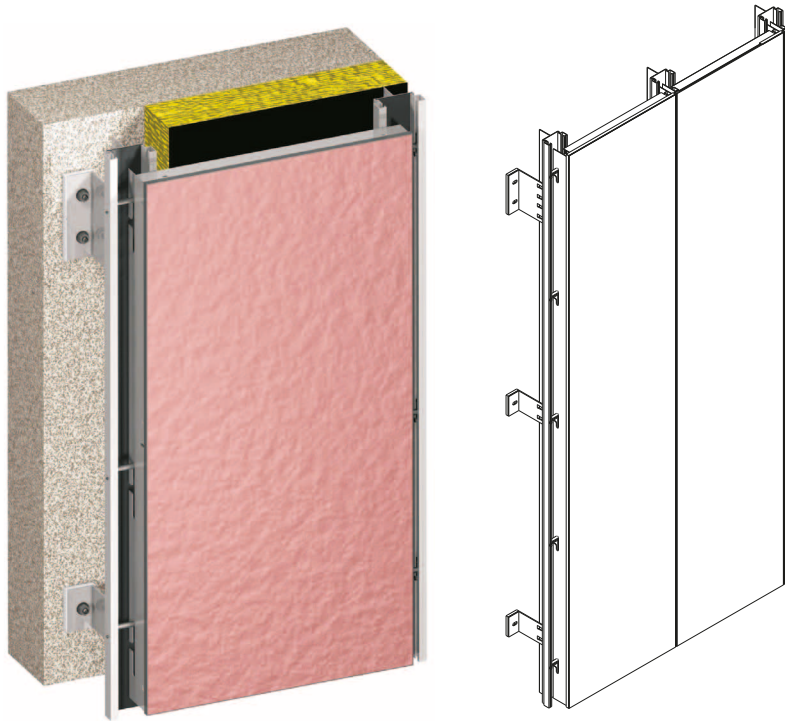
The Wido-Frame system General information

Regarding the positioning of the rectangular slab, the following arrangements are possible:

Vertical assemblage

The vertical assemblage is based on Wido-Ypsilon profiles placed in vertical joint axes without additional supporting elements or vertical profiles between façade joints.

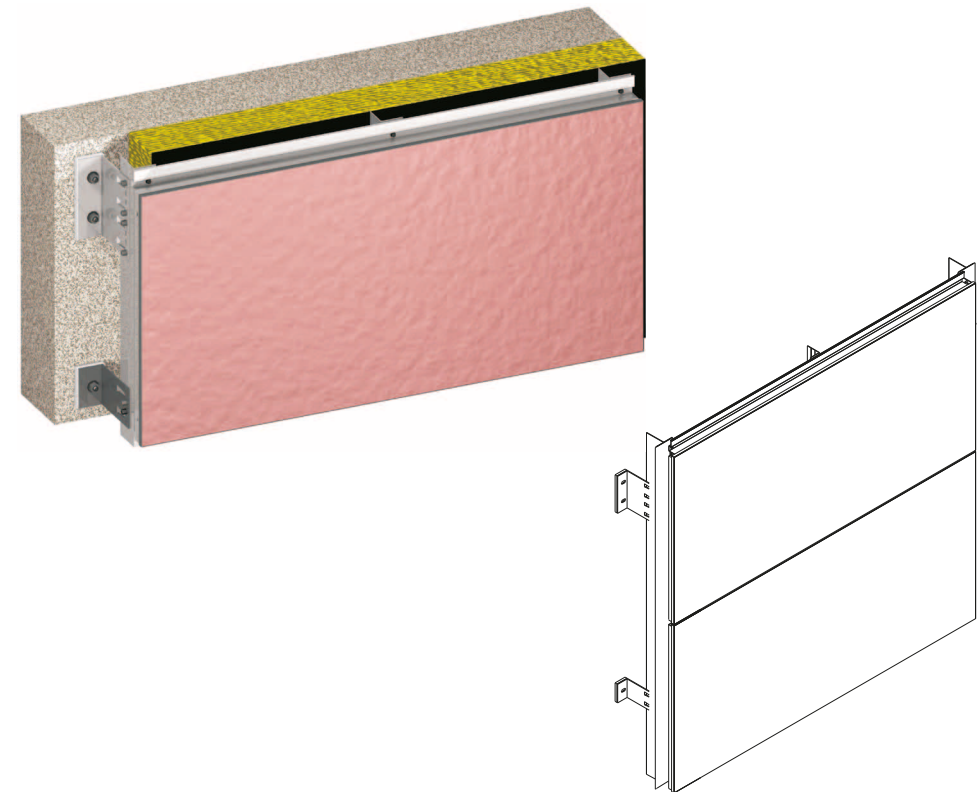
Depending on the dimensions and thickness, the slabs may need additional vertical reinforcement.



Horizontal assemblage

The horizontal assemblage is based on a combination of top and bottom profiles (a ZS-catch).

Depending on the dimensions, the slabs may need vertical reinforcement made from aluminium profiles.



Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

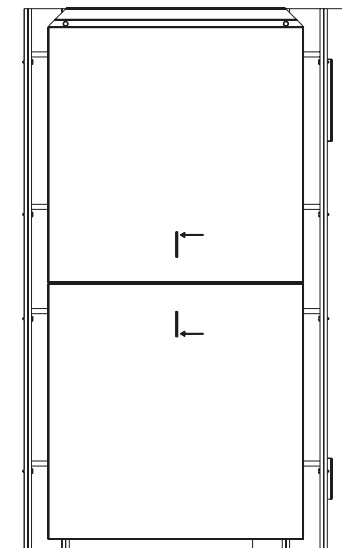
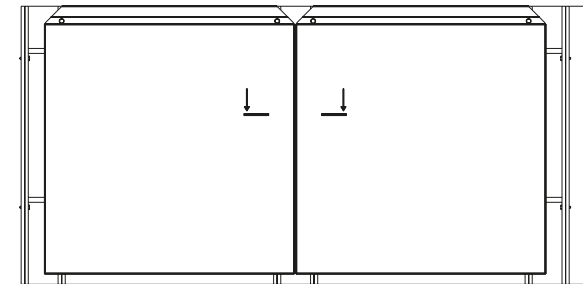
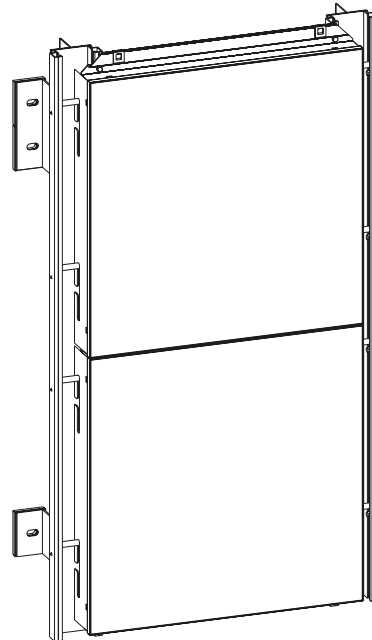
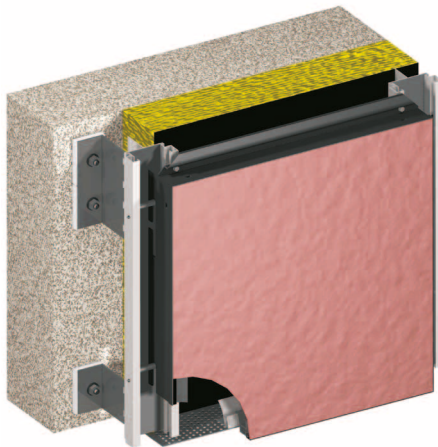
The Wido-Frame system General information

Regarding the positioning of the rectangular slab, the following arrangements are possible:

Mixed assemblage

Mixed assemblage is a solution that puts together elements of the vertical and horizontal assembly methods. It is based on Wido-Ypsilon profiles in vertical joints and horizontal aluminium frame ZS-catch profiles in horizontal joints.

This method is a convenient solution for bigger formats.



The Wido-Frame system

Assembling façade slabs with the use of Wido-Ypsilon profiles

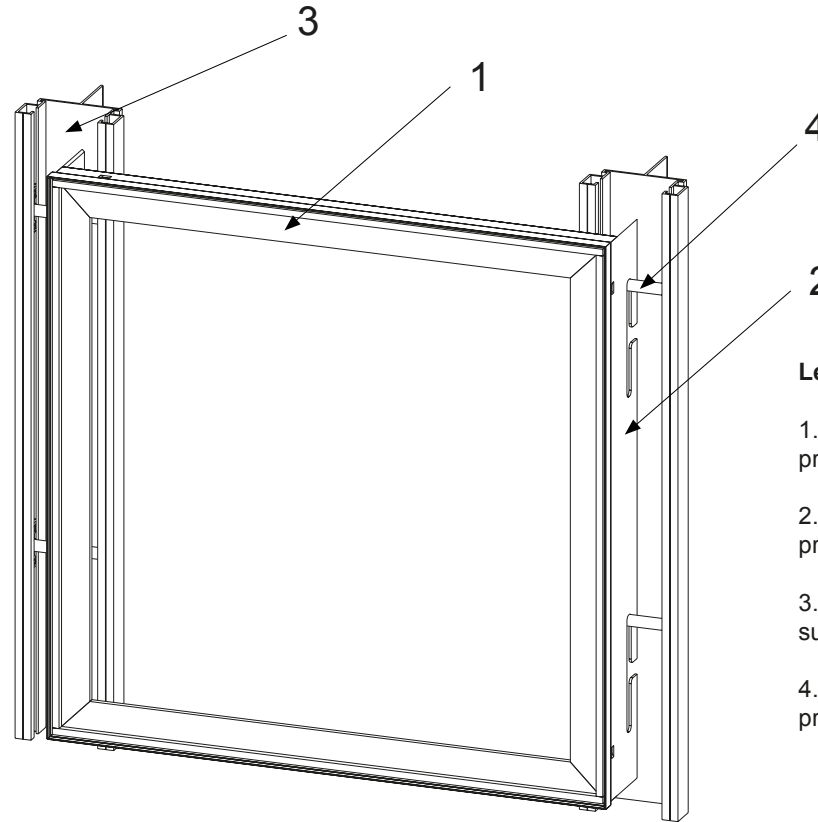


Assembling frames

In case of assembling façade slabs only with the Wido-Ypsilon system, basic frame profiles 00-100557 (1) are fixed to the slab top edge, while side profiles 00-100529 (2) are fixed to the slab side edges.

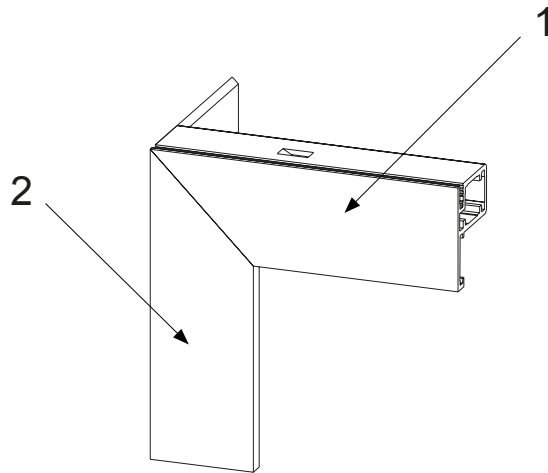
The shape of hanging brackets is cut in the side profiles before fixing them to the slab. Another possibility is fixing a Wido-Ypsilon hanging bracket 59-100446 (3) to the side profile in order to adjust the outreach.

This kind of assemblage is used for vertical façade slabs.

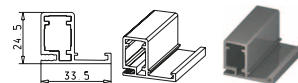


Legend:

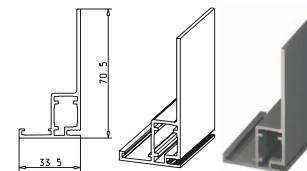
- 1. Wido-Frame basic frame profile – 00-100557
- 2. Wido-Frame side frame profile – 00-100529
- 3. Wido-Ypsilon aluminium supporting Y-profile – 50-100435
- 4. Crossbar for a Wido-Ypsilon profile hanger – 11-200562



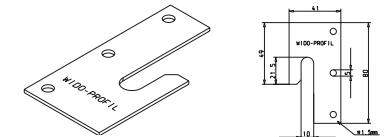
1. **00-100557**
Basic frame profile



2. **00-100529**
Side frame profile



3. **59-100446**
Wido-Ypsilon hanging bracket



The hanging bracket enables greater façade outreach.

Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

The Wido-Frame system

Assembling façade slabs with the use of Wido-Ypsilon profiles

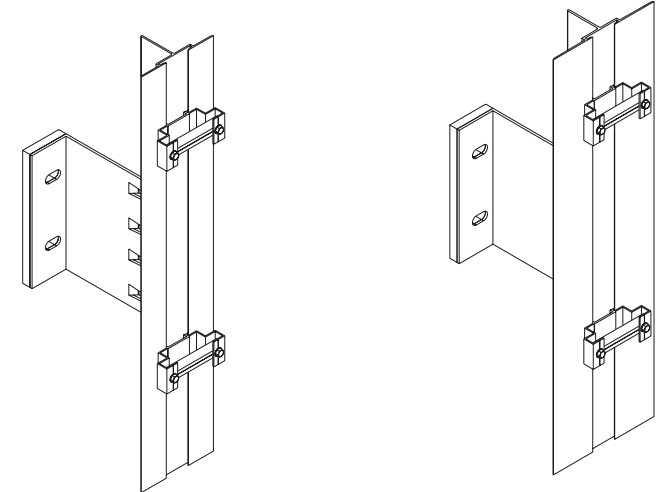
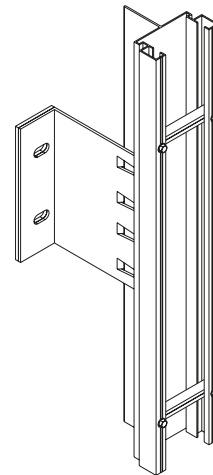
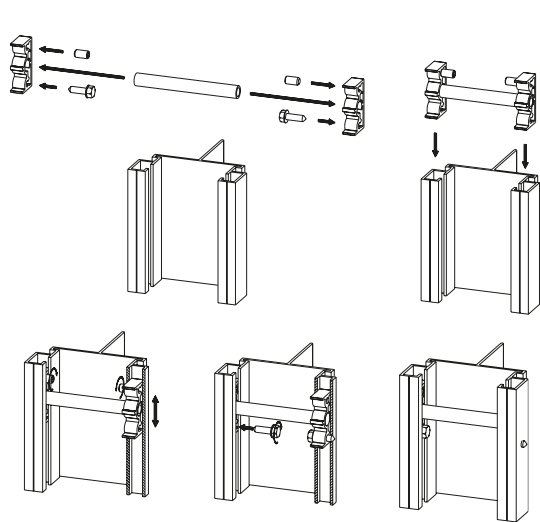


Assembling a crossbar and a hanger

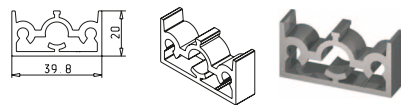
Assembling a round-section crossbar on a Wido-Ypsilon profile. The crossbar is adjusted and fixed with an aluminium assembly element. A temporary fixing is made with a headless screw, which should be placed over the crossbar; the final fixing is made with a self-drilling screw, which should be placed under the crossbar.

Assembling a Wido-Ypsilon crossbar on a Wido-Ypsilon profile. The crossbar is adjusted and fixed with a Wido-Ypsilon profile blocker.

Assembling a crossbar on 100 mm or 140 mm Wido-Grip T-profiles. The crossbar is adjusted and fixed with a Wido-Ypsilon profile blocker and a hanging bracket for façade T-profiles.

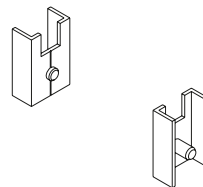


Adjustable hanger – usually used with the top slab hook



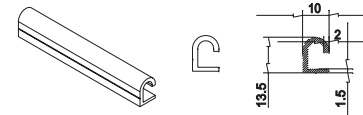
11-100556

Crossbar fastener for a Wido-Ypsilon profile hanger



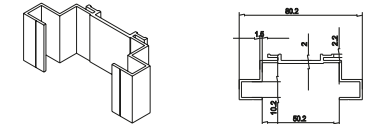
58-100437

Wido-Ypsilon profile blocker



58-100436

Wido-Ypsilon crossbar



58-100439

Hanging bracket for façade T-profiles

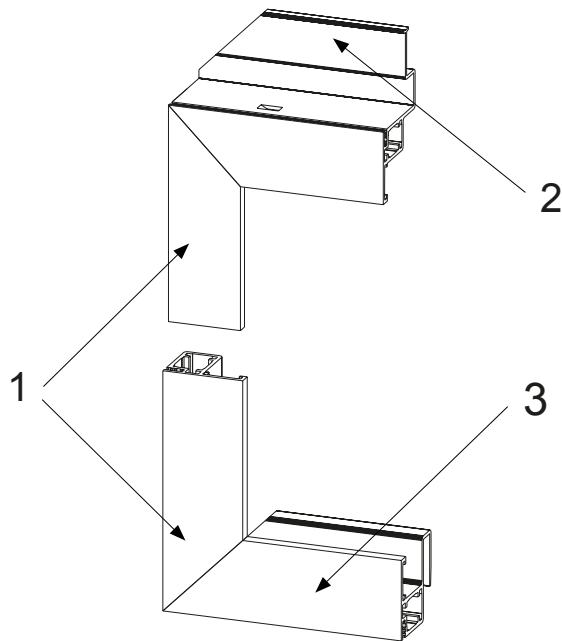
The Wido-Frame system Assemblage with the use of a ZS-catch



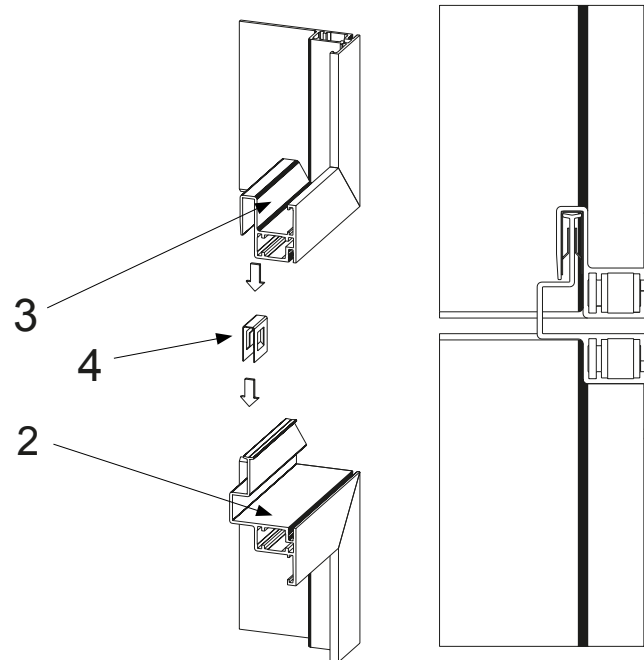
Assembling frames

In case of fixing with the use of a ZS-catch, basic frame profiles 00-100557 (1) are used at the side edges of a slab, a top frame profile 00-100530 (2) is used at the top edge and a bottom frame profile 00-100531 (2) is used at the bottom edge.

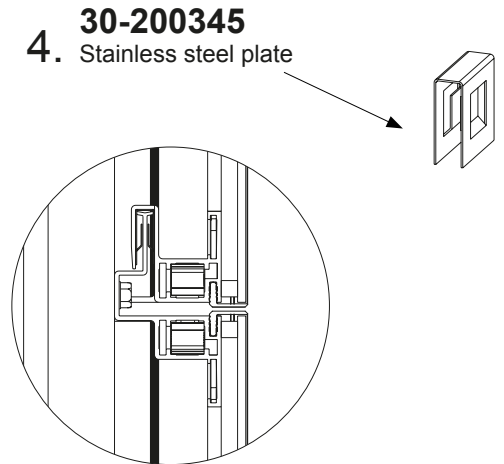
This kind of assemblage is used for the horizontal arrangement of slabs.



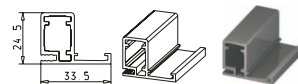
Assembling a ZS-catch



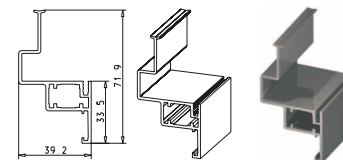
Fixing with a ZS-catch makes use of a unique Wido-Flip stainless steel plate 30-200345 (4), which enables a perfectly flat surface and eliminates façade vibrations.



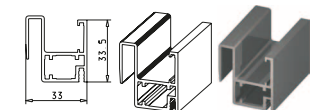
1. **00-100557**
Basic frame profile



2. **00-100530**
Top frame profile



3. **00-100531**
Bottom frame profile



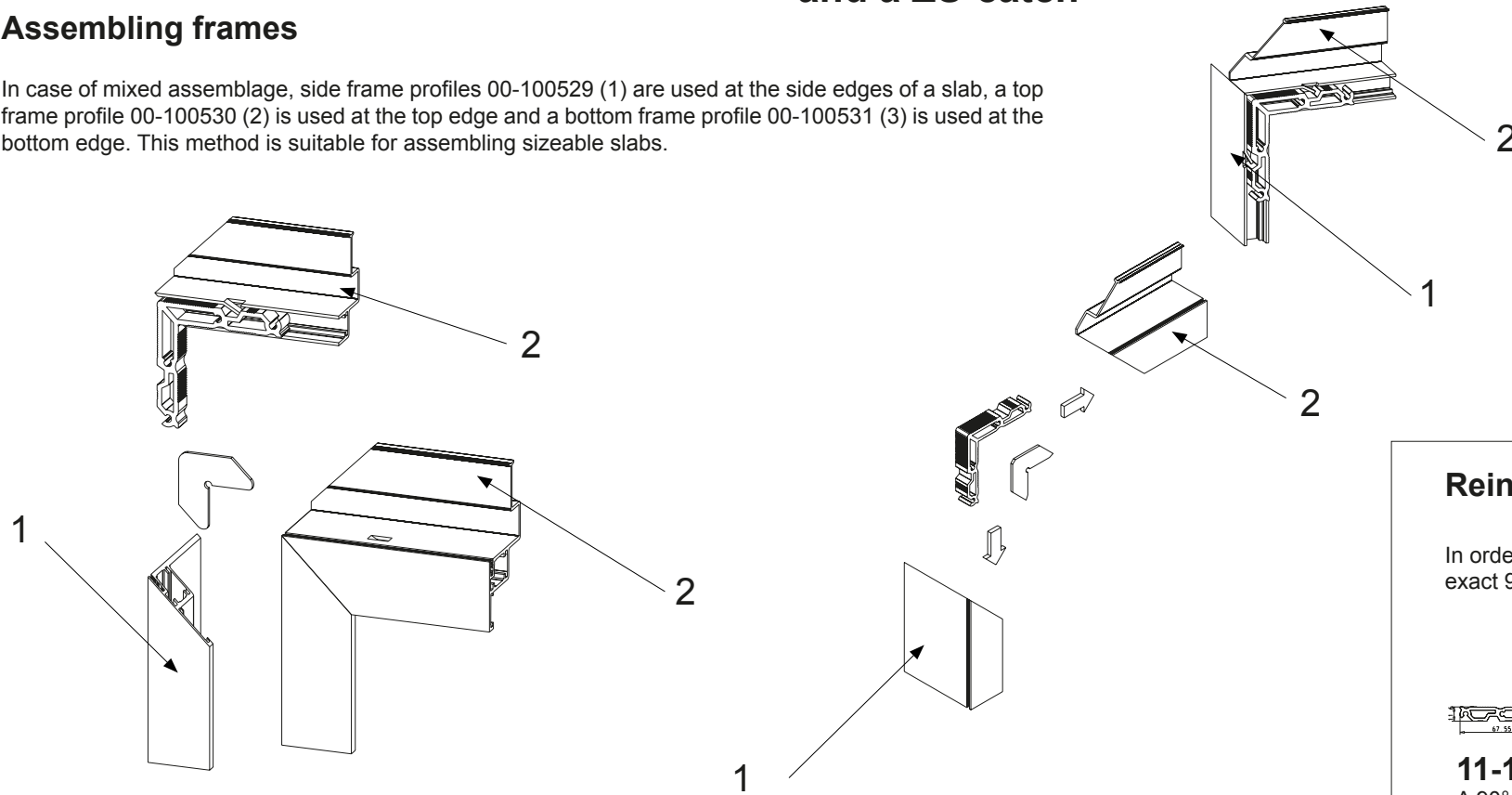
The Wido-Frame system

Mixed assemblage with a Wido-Ypsilon profile and a ZS-catch

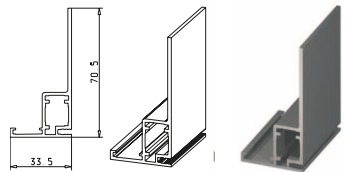


Assembling frames

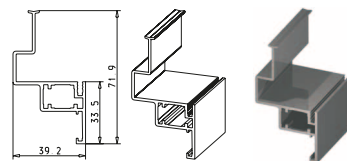
In case of mixed assemblage, side frame profiles 00-100529 (1) are used at the side edges of a slab, a top frame profile 00-100530 (2) is used at the top edge and a bottom frame profile 00-100531 (3) is used at the bottom edge. This method is suitable for assembling sizeable slabs.



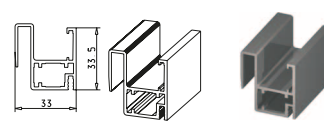
1. 00-100529
Side frame profile



2. 00-100530
Top frame profile

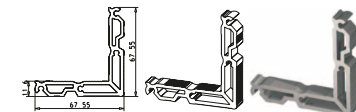


3. 00-100531
Bottom frame profile

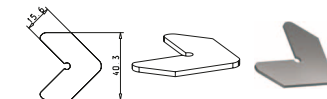


Reinforcing frames

In order to reinforce frames and to ensure an exact 90° angle, Wido-Profil offers two elements:

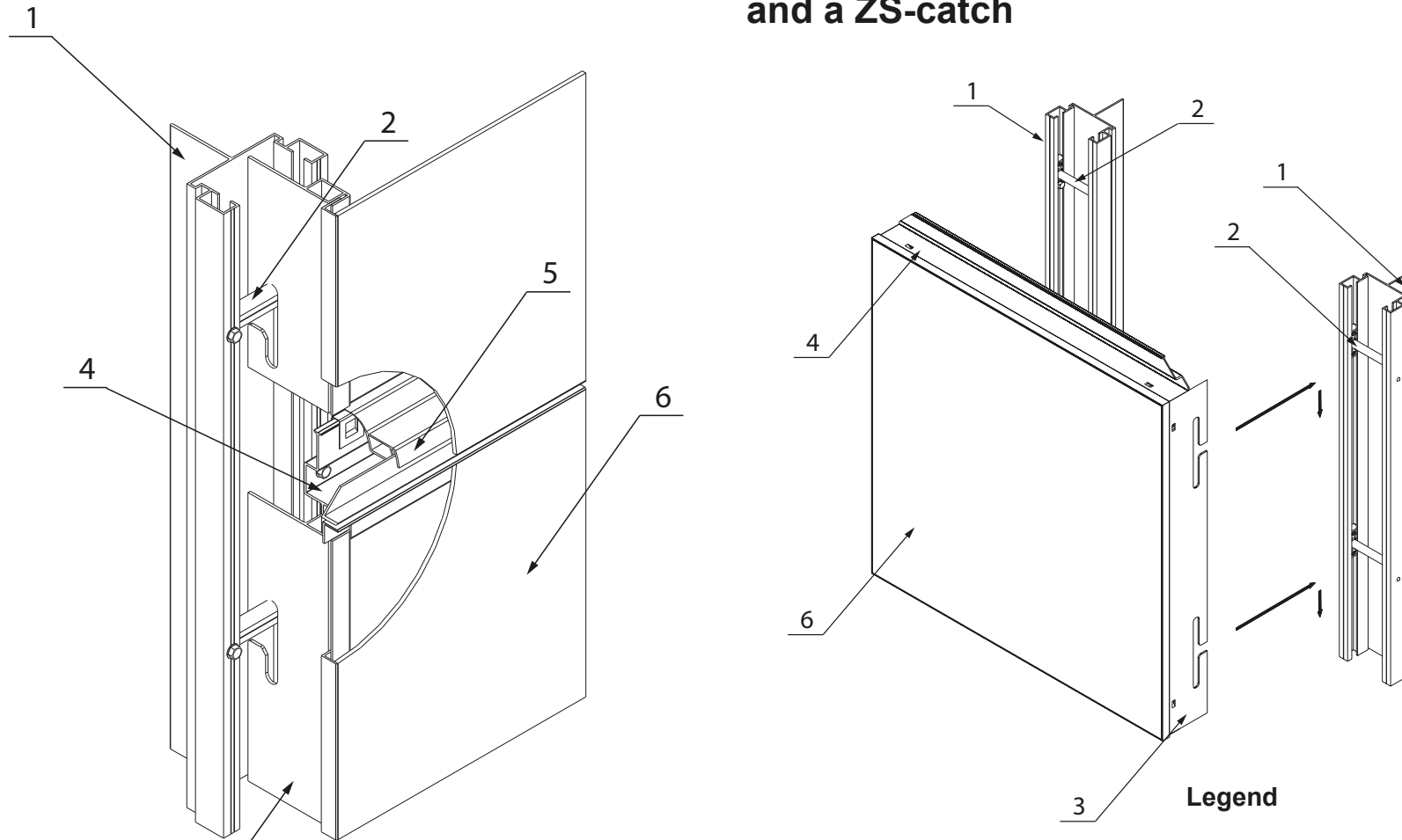


11-100527
A 90° fastener for frames or A-profiles



11-100528
A metal plate for frames

The Wido-Frame system Mixed assemblage with a Wido-Ypsilon profile and a ZS-catch



Notice: for simplification, all the following pictures of this brochure present the mixed assemblage method, unless otherwise indicated.

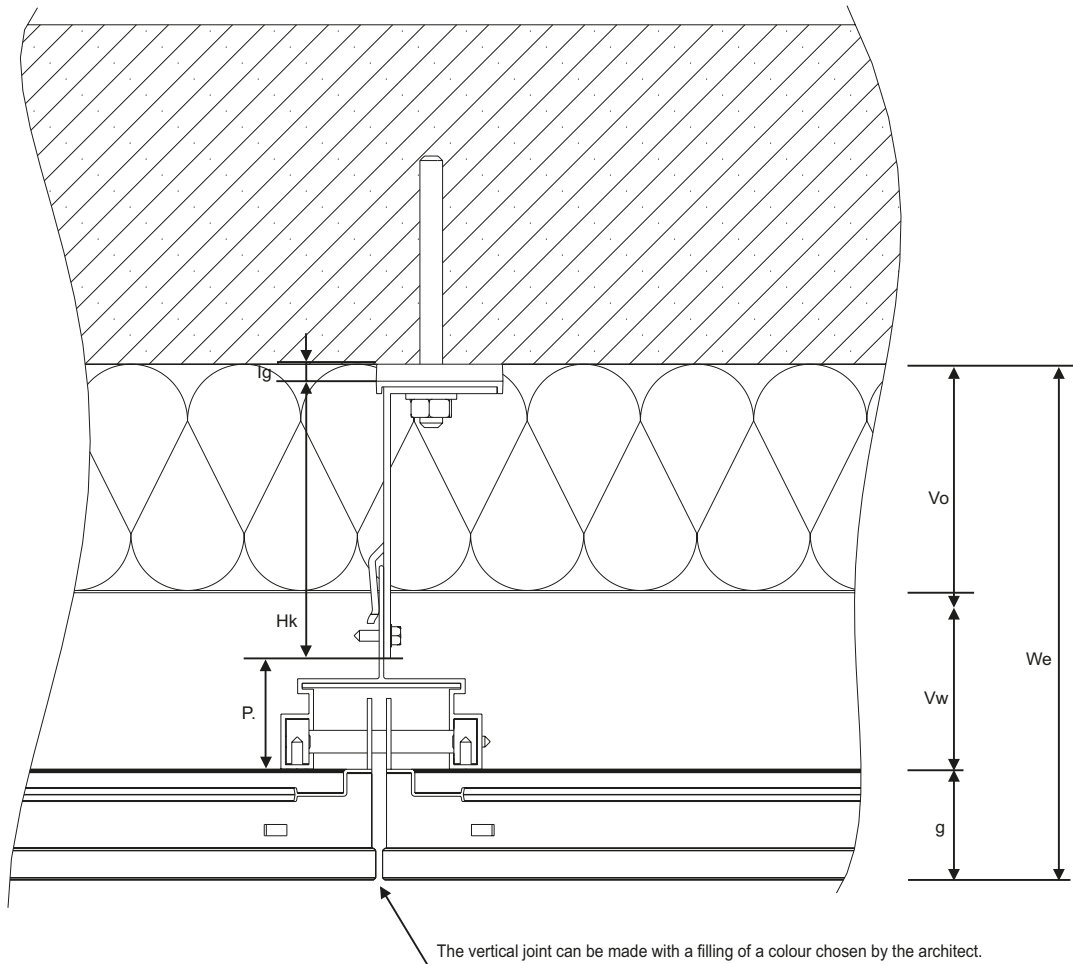
Legend

- 1. Wido-Ypsilon supporting Y-profile – 50-100435
- 2. Crossbar for a Wido-Ypsilon profile hanger – 11-200562
- 3. Wido-Frame side frame profile – 00-100529
- 4. Wido-Frame top frame profile – 00-100530
- 5. Wido-Frame bottom frame profile – 00-100531
- 6. Façade slab

The Wido-Frame system

Calculating bracket height on the basis of elevation outreach

Assembling slabs with Wido-Ypsilon profiles; mixed assemblage



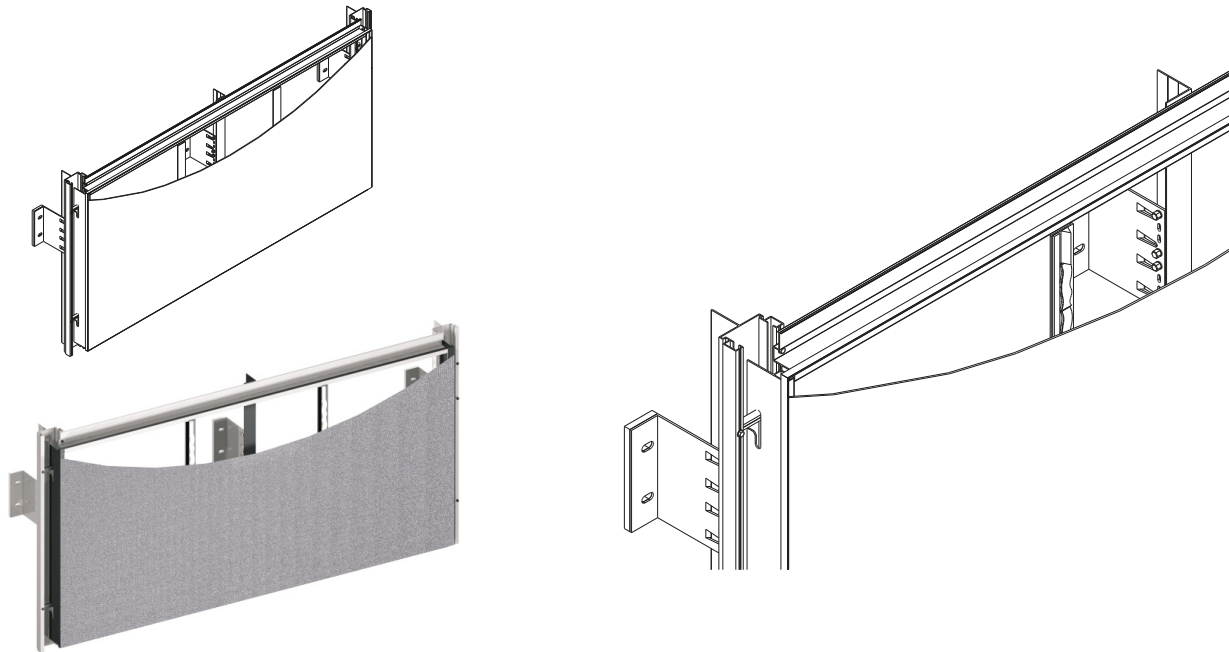
Elevation outreach is the basic factor determining the height of a bracket. While choosing the bracket, you should consider the unevenness of the surface. The vertical adjustment of Wido-Grip profiles should be made possible.

$$Hk = We - (g+P+lg)$$

Legend:

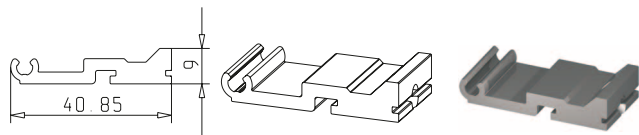
- We** – elevation outreach
- Vo** – thermal insulation thickness
- Vw** – ventilation clearance (minimum 20 mm)
- g** – frame thickness (constant) + slab thickness + adhesive thickness
- P** – the height of the substructure between the bracket and the slab (including vertical adjustment)
- lg** – the thickness of a Wido-Grip insulation washer
- Hk** – the height of a Wido-Grip bracket

The Wido-Frame system Preparing frames – reinforcing slabs

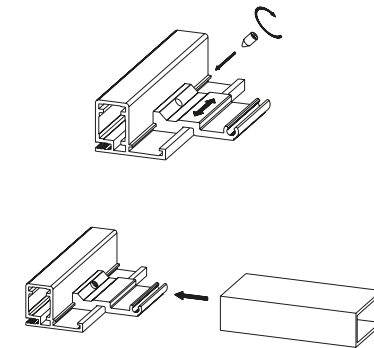


Depending on the shape and size of the slab, it can be reinforced with vertical or horizontal bars fixed to Wido-Frame profiles.

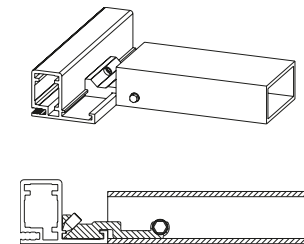
The bars are fixed to the slabs with special aluminium elements.



Reinforcing slabs



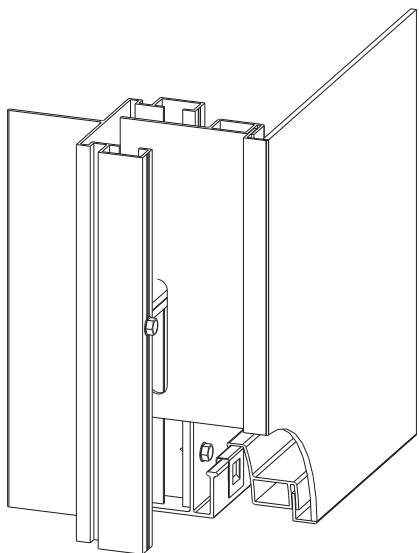
Reinforcing slabs is a two-stage job. First, a fixing element is placed on a frame profile (in the picture it is a basic profile) and fixed with a screw. Next, a bar is put in the fixing element and fixed with two screws placed at the sides.



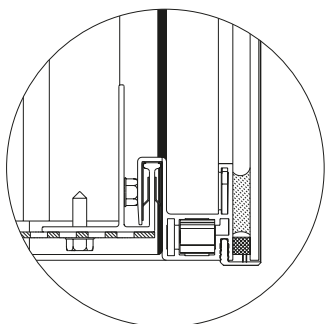
Next, a bar is put in the fixing element and fixed with two screws placed at the sides.

The Wido-Frame system Assembling slabs

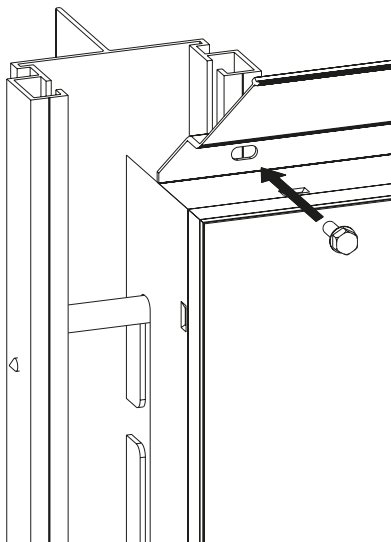
1 Starting profile



A starting profile 02-100342
and a bottom profile 00-100531

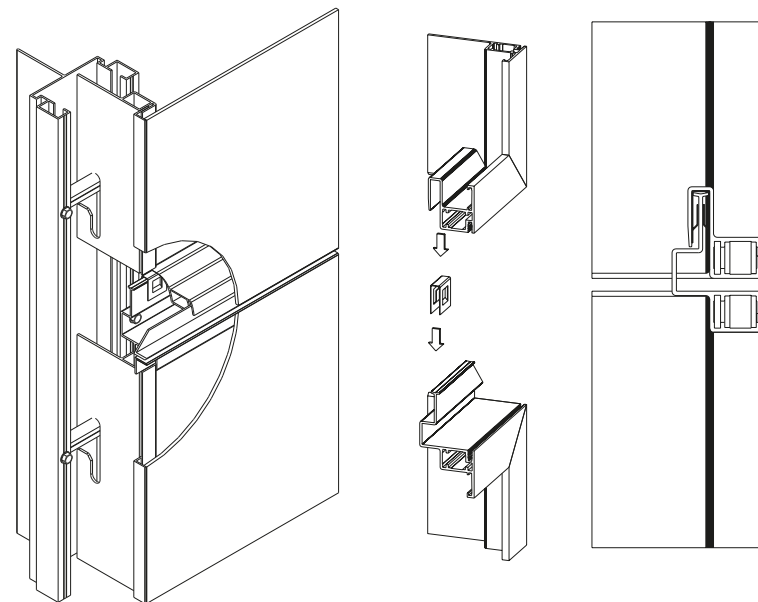


2 Assembling a cassette with a top profile

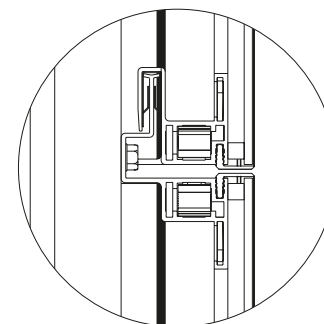


Assembling a cassette
with a top profile 00-100530

3 Horizontal joint

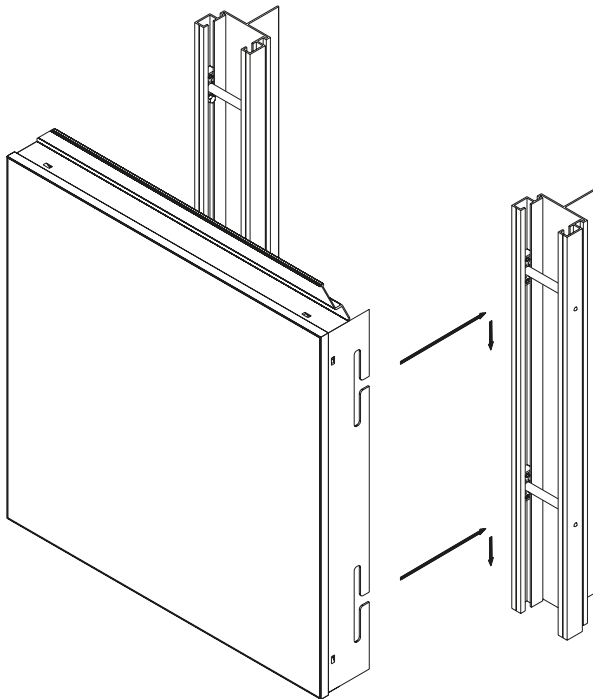


Horizontal joint of ZS-type lock:
a top profile 00-100530 and a
bottom profile 00-100531

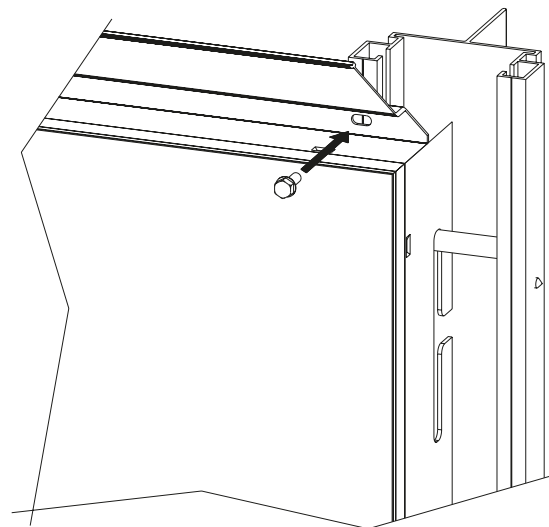


The Wido-Frame system Mixed assemblage of slabs

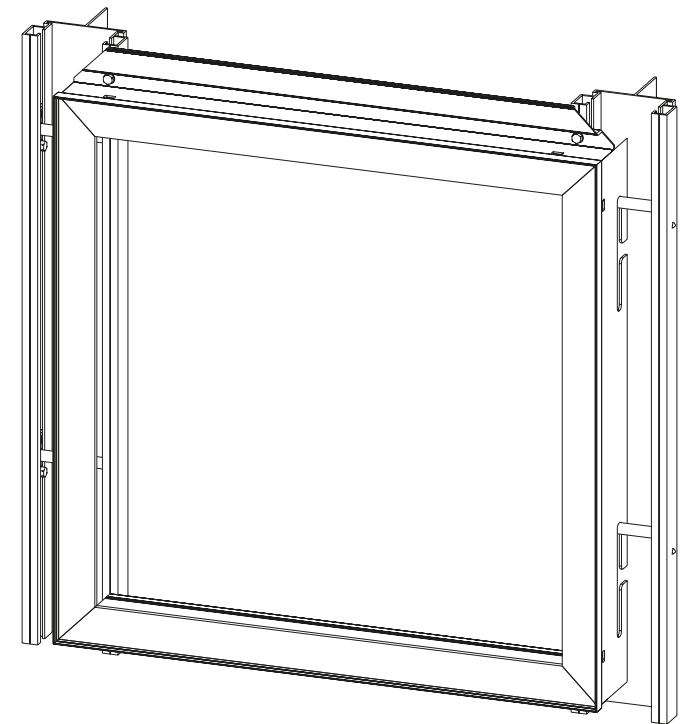
1 Hanging a façade slab



2 Blocking the slab with a screw

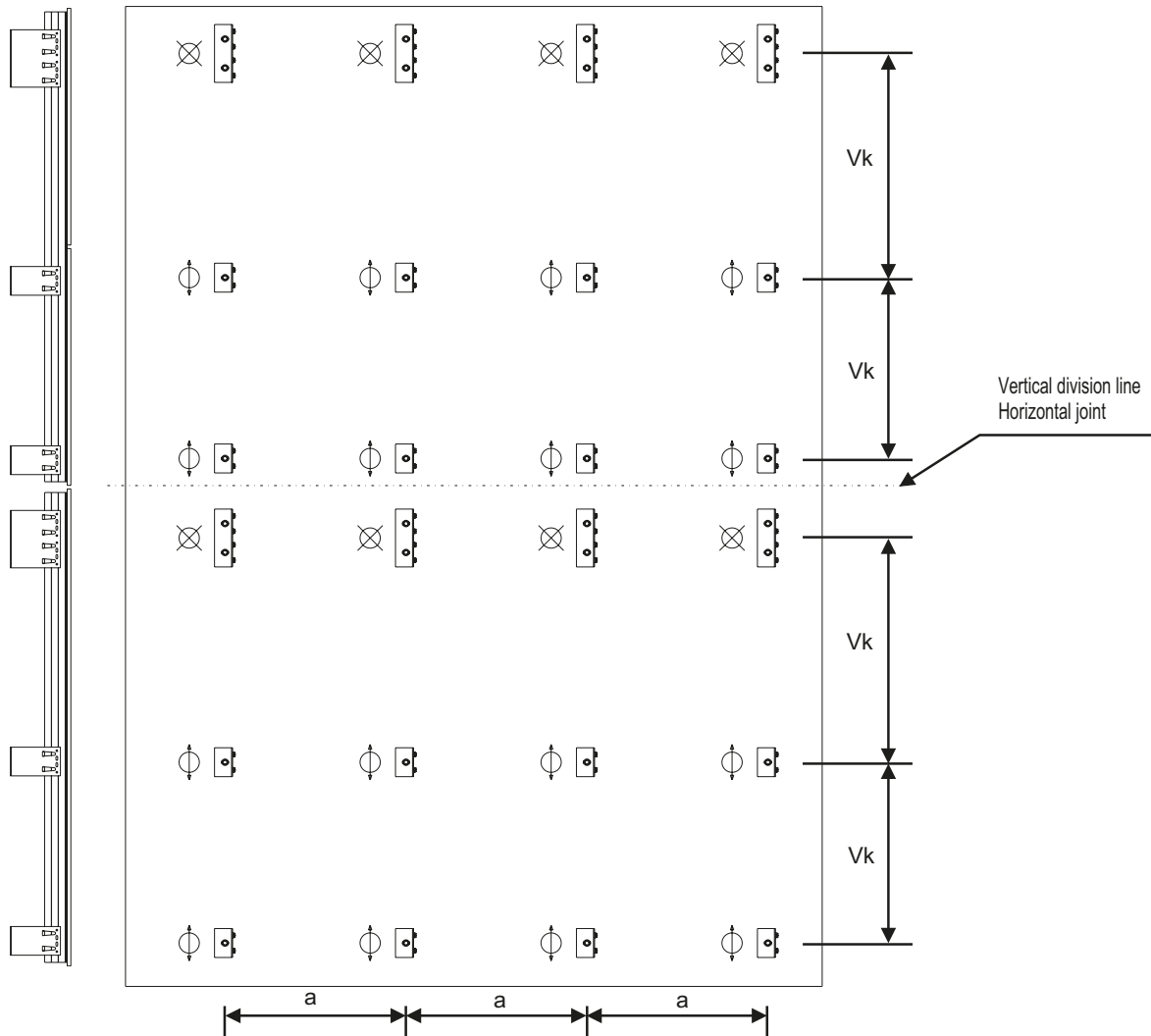


3 The fixed slab



Wido-Frame

An exemplary bracket arrangement




In case of assembling slabs with Wido-Ypsilon profiles placed in joint axes, the bracket span equals the slab width plus the joint thickness.


In case of assembling slabs only with the use of ZS-catch, the bracket span depends only on the wind suction/ pressure forces. Profiles do not have to be placed in joint axes.

Legend:

a - distance between vertical profiles (not connected with vertical joints)

Vk – vertical distances between Wido-Grip bracket axes

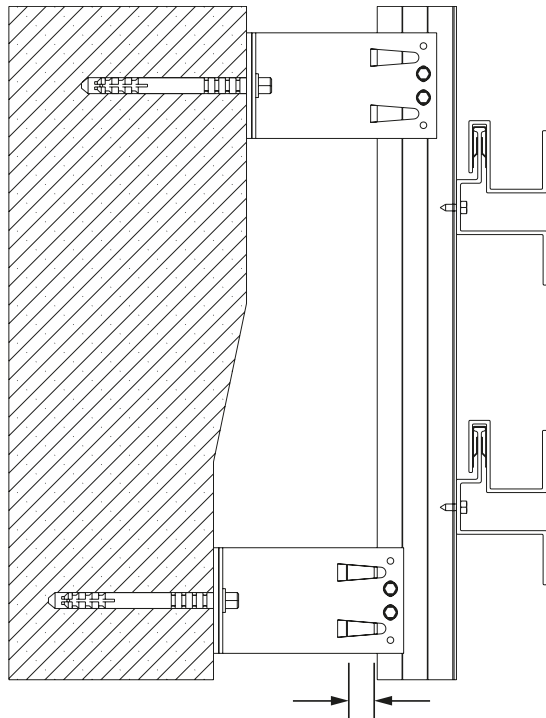
 Supporting brackets – fixed points of vertical Wido-Grip profiles

 Retaining brackets – moving points of vertical Wido-Grip profiles

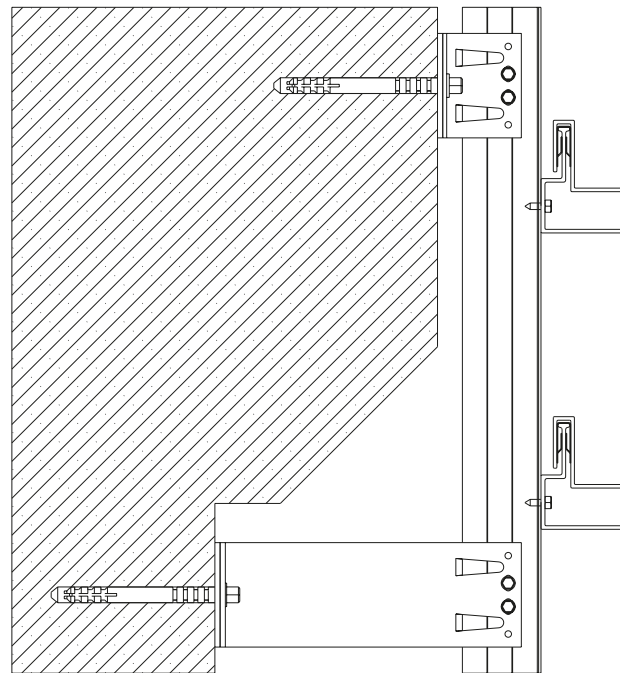
Usually, the supporting bracket is a double bracket.

Wido-Frame system Levelling the unevenness of building surface

Adjusting façade outreach
through
the change of bracket size

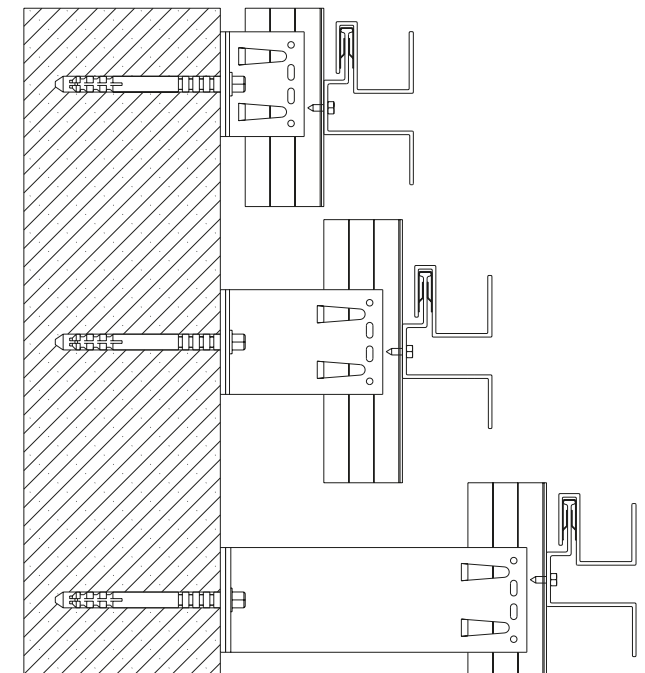


Adjusting a single bracket



When the adjustment of a single bracket is insufficient, you can exchange the bracket for a smaller or bigger one. Wido-Grip aluminium brackets are produced in the following sizes: 60, 80, 100, 120, 140, 160, 180, 200 and 230 mm.

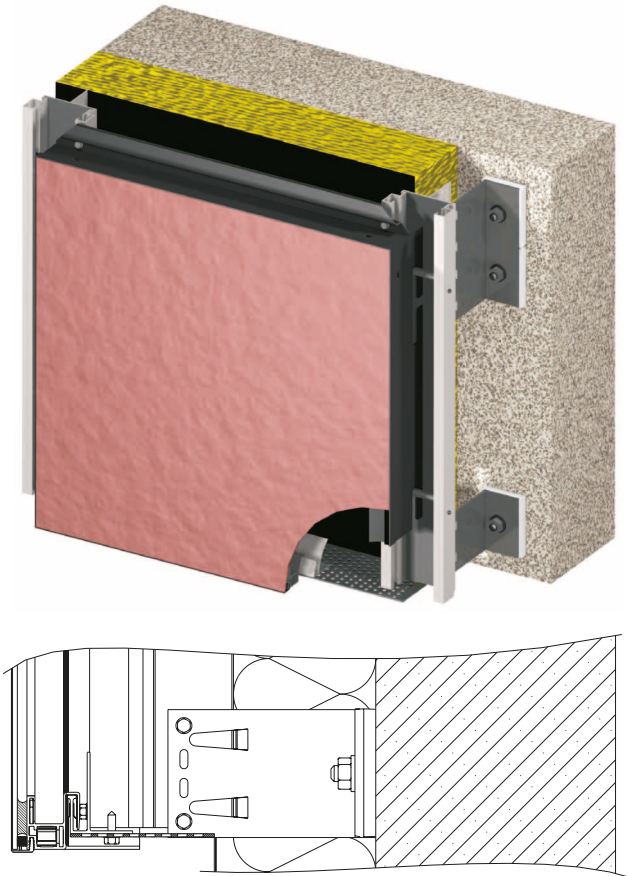
For greater outreaches, stainless steel brackets or bracket lengthening devices should be used.



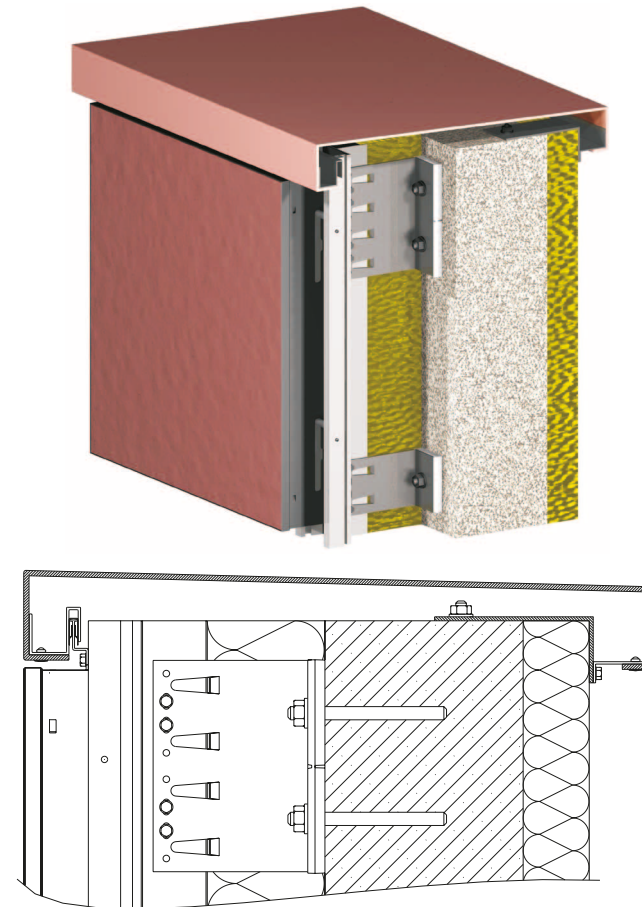
Wido-Frame Exemplary façade finish



Starting assemblage
with the use of ZS-catch



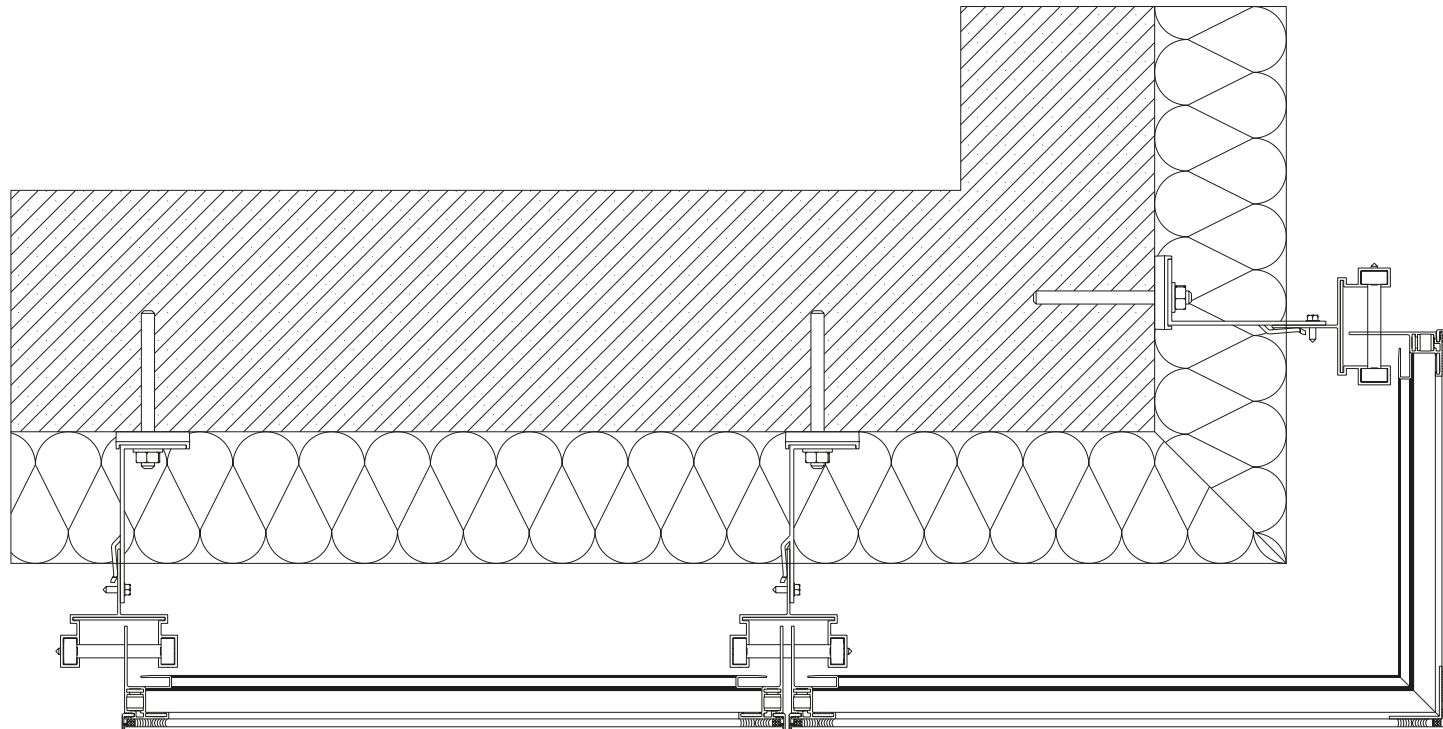
The top finishing – an example of composi-
te panel application



Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

Wido-Frame Exemplary façade finish

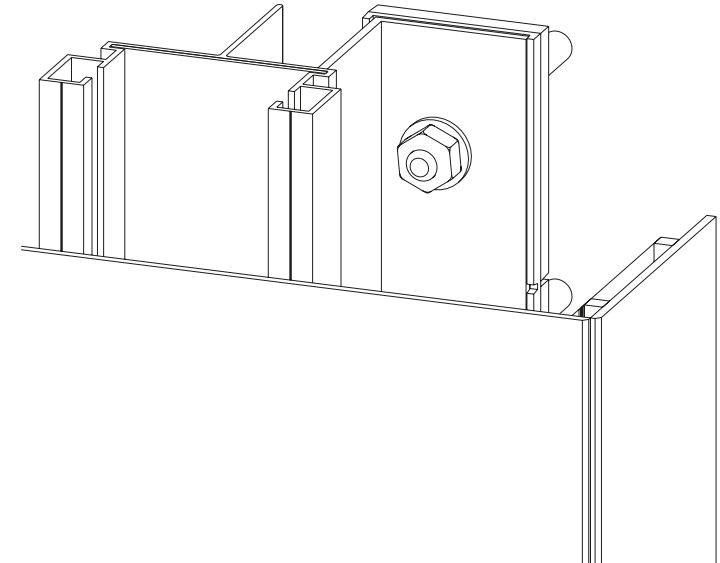
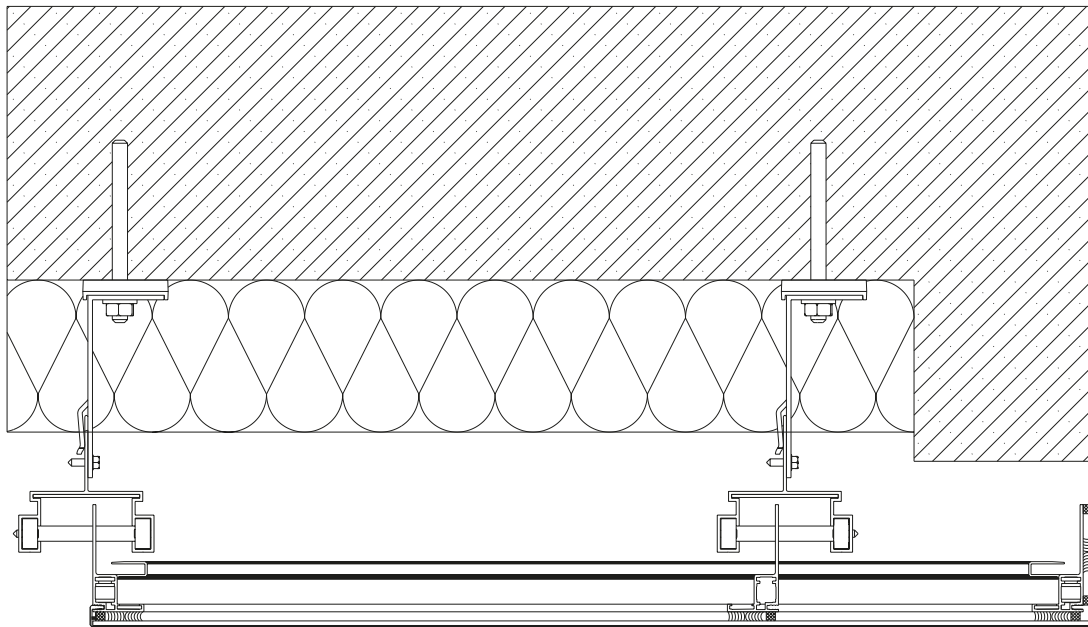
A façade corner made from one cassette with the use of one Wido-Frame aluminium frame.



Two slabs are fixed to one aluminium frame perpendicularly to each other.

Wido-Frame Exemplary façade finish

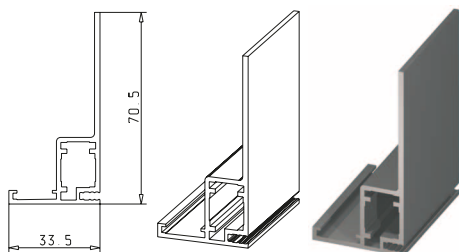
A corner or window finishing glued to a side profile.



For finishing, you can use the outside profile of a Wido-Frame aluminium frame and glue a façade slab to it. In this case, you have to use an additional profile placed inside the frame for hanging a cassette.

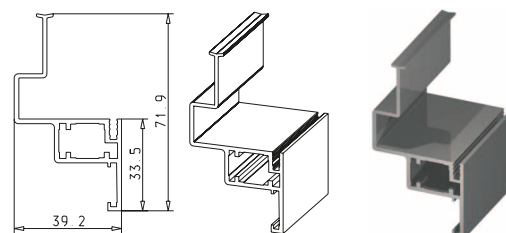
00-100529

Profil ramy - boczny
Side frame profile



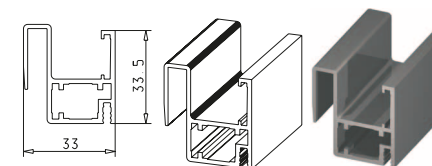
00-100530

Profil ramy - górny
Top frame profile



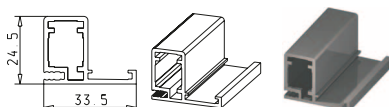
00-100531

Profil ramy - dolny
Bottom frame profile



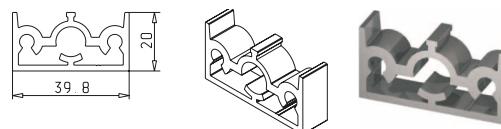
00-100557

Profil ramy - podstawowy
Basic frame profile



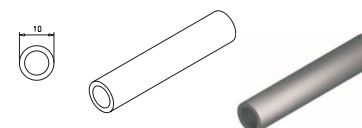
11-100556

Mocowanie poprzeczki wieszaka do profilu Ypsilon
Crossbar fastener for a Wido-Ypsilon profile hanger



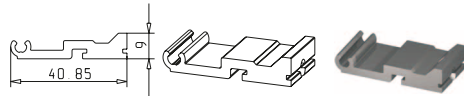
11-200562

Poprzeczka Ø 10 mm
Crossbar Ø 10 mm



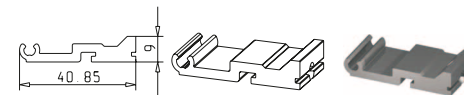
11-100558

Mocowanie wzmocnienia poprzeczki 16 mm
Fastener for a reinforcing bar 16 mm



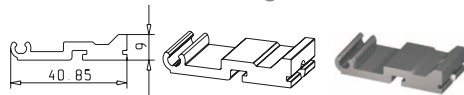
11-100559

Mocowanie wzmocnienia poprzeczki 26 mm
Fastener for a reinforcing bar 26 mm



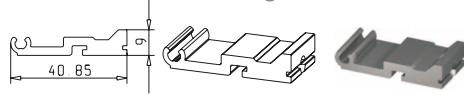
11-100560

Mocowanie wzmocnienia poprzeczki 36 mm
Fastener for a reinforcing bar 36 mm



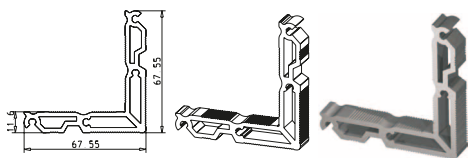
11-100561

Mocowanie wzmocnienia poprzeczki 46 mm
Fastener for a reinforcing bar 46 mm



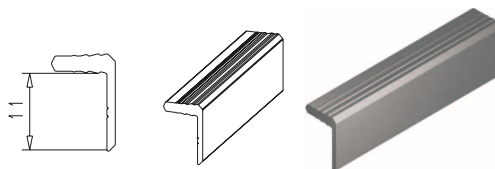
11-100527

Łącznik 90 stopni do ramki Frame oraz A-profilu
90° fastener for frames or A-profiles



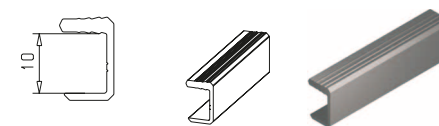
00-100532

Profil ramki otwartej – płyta 3-4 mm
Open frame profile for 3-4 mm slabs



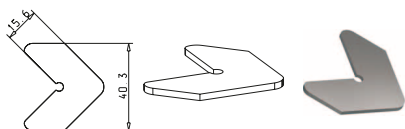
00-100534

Profil ramki zamkniętej – płyta 3-4 mm
Closed frame profile for 3-4 mm slabs



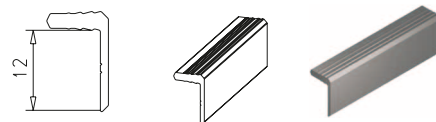
11-100528

Sierżant do ramki Frame
Plate for frames



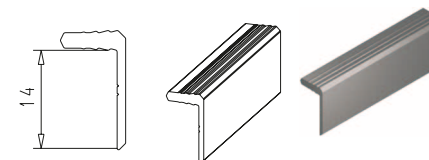
00-100533

Profil ramki otwartej – płyta 5-6 mm
Open frame profile for 5-6 mm slabs



00-100535

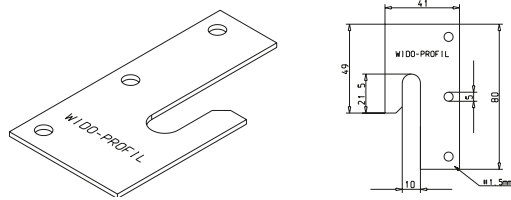
Profil ramki otwartej – płyta 7-8 mm
Open frame profile for 7-8 mm slabs



Wido-Ypsilon elements used in the Wido-Frame system

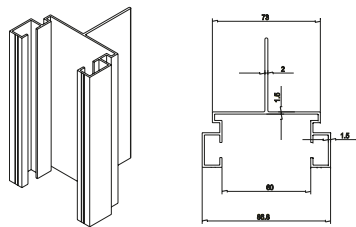
59-100446

Zawieszka do kaset kompozytowych,
płaska 41mm – aluminium
Aluminium flat hanging bracket for composite
cassettes - 41 mm
Gehänge für Komposit – Kassetten,
flach 41mm – aluminium



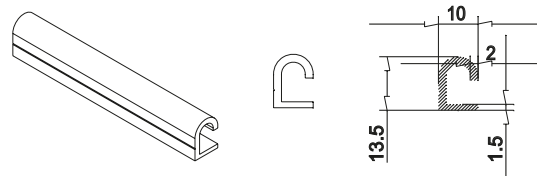
50-100435

Profil Systemu Ypsilon – aluminium
Wido-Ypsilon aluminium profile
Y-Profilstück – aluminium



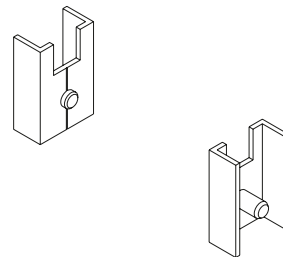
58-100436

Poprzeczka do profilu Ypsilon – aluminium
Aluminium crossbar for Wido-Ypsilon profiles
Querleiste für Y-Profilstück – aluminium



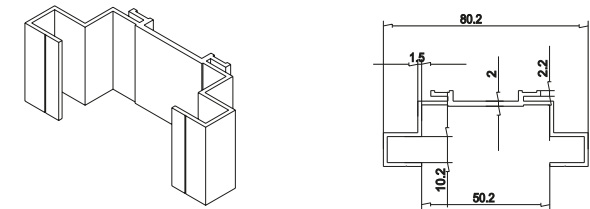
58-100437

Blokada do profilu Ypsilon – aluminium
Aluminium blocker for Wido-Ypsilon profiles
Blockierteil für Y-Profilstück – aluminium



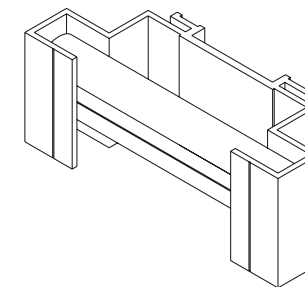
50-100438

Profil zawieszki do T-profilu fasadowych – aluminium
Aluminium hanging bracket profile for façade T-profiles
Gehängeprofil für T-Profilstücke – aluminium



58-100439

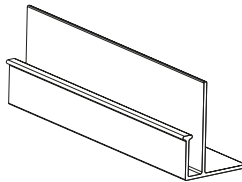
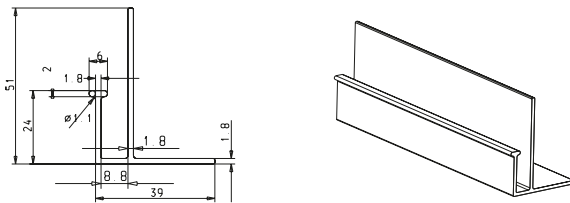
Zawieszka do profili T-profilu fasadowych – aluminium
Aluminium hanging bracket for façade T-profiles
Gehänge für T-Profilstücke – aluminium



Wido-Flip elements used in the Wido-Frame system

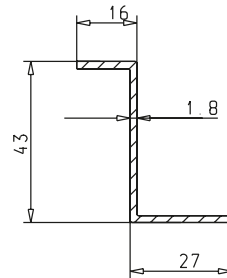
02-100342

N profil – aluminium - profil startowy
Wido-Flip aluminium N-profile – starting profile
N-Profilstück – aluminium



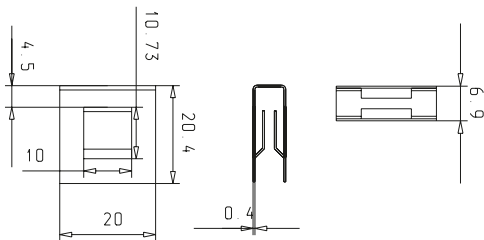
00-100427

Z profil mały – FLIP – aluminium
Wido-Flip aluminium Z-profile – small
Z-Profilstück klein – FLIP – aluminium



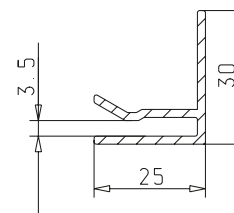
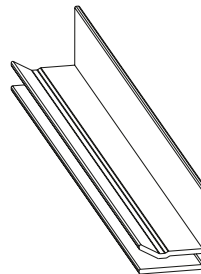
30-200345

Błaszka ślizgowa systemu FLIP
- blacha nierdzewna
Wido-Flip stainless steel sliding plate
Gleit-Blechlammelle (FLIP) – inox



02-100428

F profil kompensacyjny – FLIP – aluminium
Wido-Flip aluminium compensatory F-profile
F-Ausgleichsprofil – FLIP – aluminium

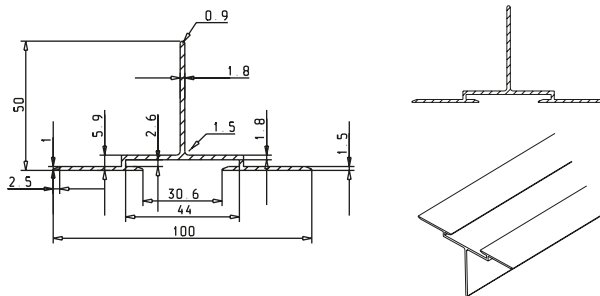


Wido-Frame - THE FRAME ASSEMBLY SYSTEM

Wido-Grip elements Aluminium profiles

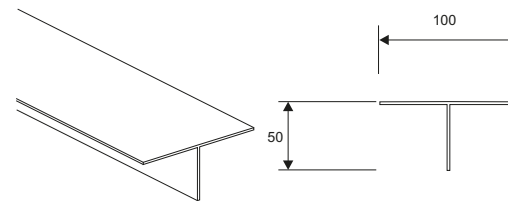
00-100228

T-profil fasadowy 100x50 – aluminium
Aluminium façade T-profile 100x50
T-Profilstück für Fassaden 100x50 – aluminium



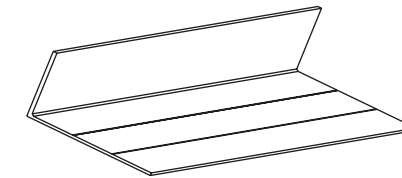
50-100346

T-profil 100x50x2 – aluminium
Aluminium T-profile 100x50x2
T-Profilstück 100x50x2 – aluminium



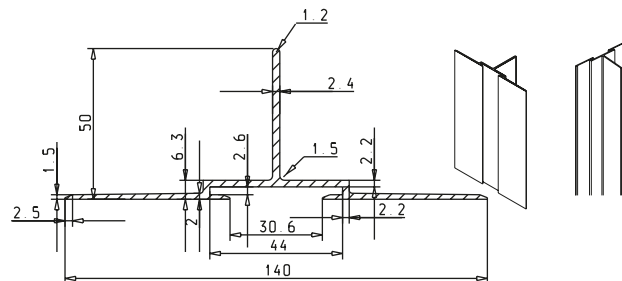
50-100376

L-profil 60*45 mm – aluminium
Aluminium L-profile 60*45 mm
L-Profilstück 60*45 mm – aluminium



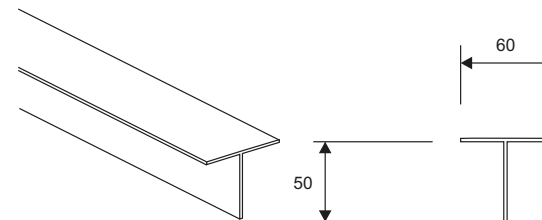
00-100263

T-profil fasadowy 140x50 – aluminium
Aluminium façade T-profile 140x50
T-Profilstück für Fassaden 140x50 – aluminium



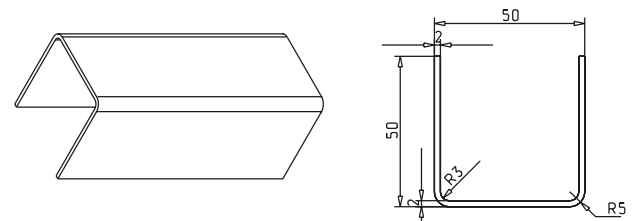
50-100475

T-profil 60x50x2 – aluminium
Aluminium T-profile 60x50x2
T-Profilstück 60x50x2 – aluminium



01-100504

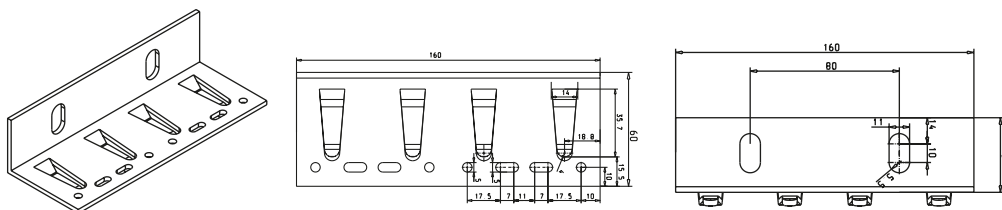
C-profil 50x50x2 – aluminium
Aluminium C-profile 50x50x2
C-Profilstück 50x50x2 – aluminium



Wido-Grip elements Aluminium brackets 60

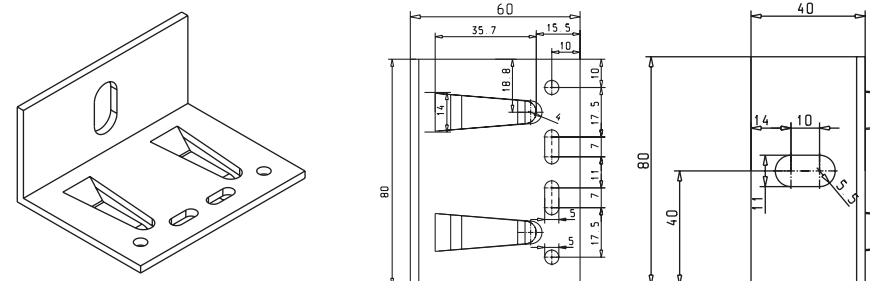
52-100351

Podwójna konsola 160-60x40x3 Ø 11 – aluminium
Aluminium double bracket 160-60x40x3 Ø 11
Tragkonstruktion doppelt 160-60x40x3 Ø 11 – aluminium



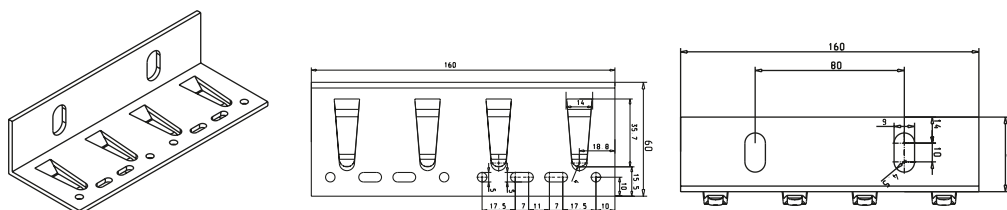
51-100347

Konsola 80-60x40x3 Ø 11 – aluminium
Aluminium bracket 80-60x40x3 Ø 11
Tragkonstruktion 80-60x40x3 Ø 11 – aluminium



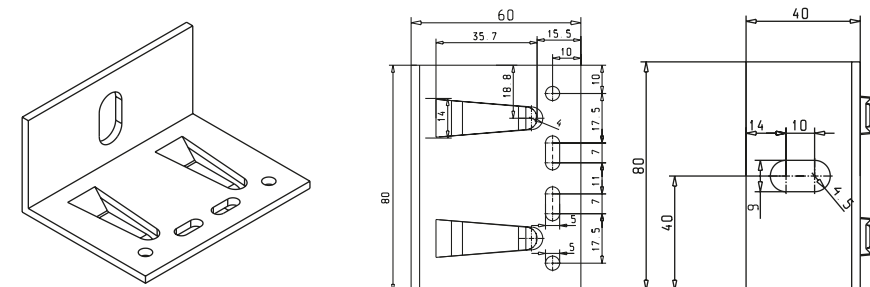
52-100352

Podwójna konsola 160-60x40x3 Ø 9 – aluminium
Aluminium double bracket 160-60x40x3 Ø 9
Tragkonstruktion doppelt 160-60x40x3 Ø 9 – aluminium



51-100348

Konsola 80-60x40x3 Ø 9 – aluminium
Aluminium bracket 80-60x40x3 Ø 9
Tragkonstruktion 80-60x40x3 Ø 9 – aluminium

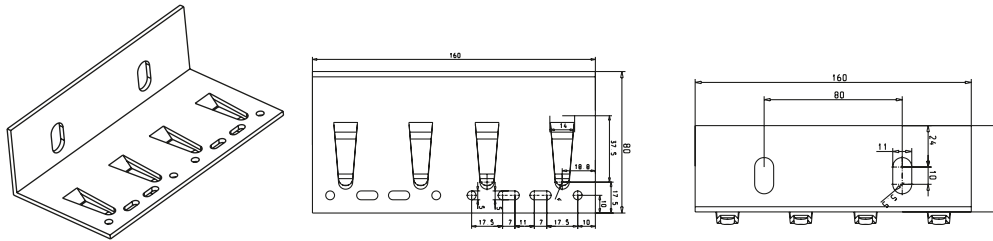


Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

Wido-Grip elements Aluminium brackets 80

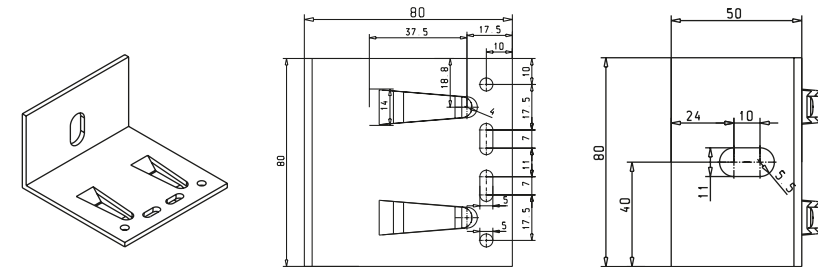
52-100356

Podwójna konsola 160-80x50x3 Ø 11 – aluminium
Aluminium double bracket 160-80x50x3 Ø 11
Tragkonstruktion doppelt 160-80x50x3 Ø 11 – aluminium



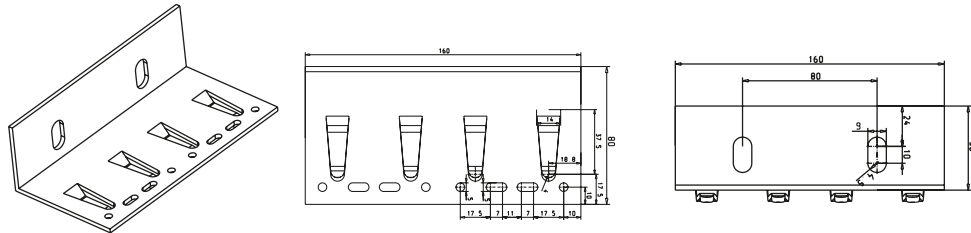
51-100353

Konsola 80-80x50x3 Ø 11 – aluminium
Aluminium bracket 80-80x50x3 Ø 11
Tragkonstruktion 80-80x50x3 Ø 11 – aluminium



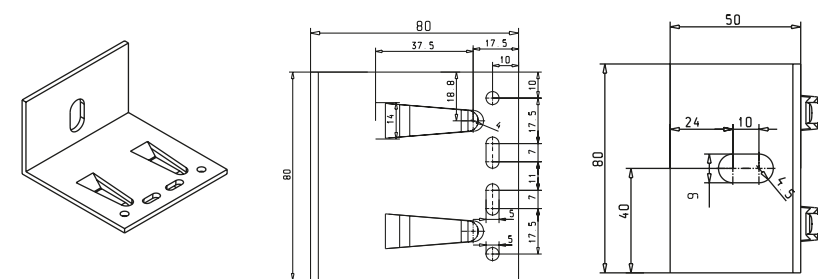
52-100357

Podwójna konsola 160-80x50x3 Ø 9 – aluminium
Aluminium double bracket 160-80x50x3 Ø 9
Tragkonstruktion doppelt 160-80x50x3 Ø 9 – aluminium



51-100354

Konsola 80-80x50x3 Ø 9 – aluminium
Aluminium bracket 80-80x50x3 Ø 9
Tragkonstruktion 80-80x50x3 Ø 9 – aluminium

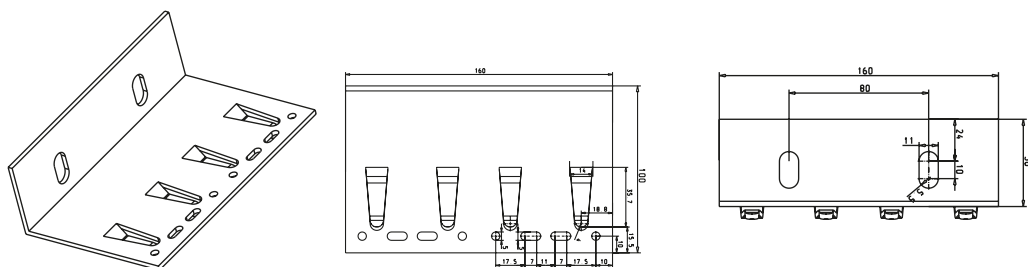


Wido-Frame - THE FRAME ASSEMBLY SYSTEM

Wido-Grip elements Aluminium brackets 100

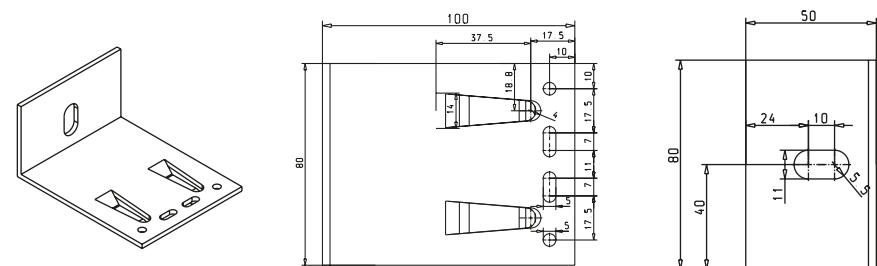
52-100360

Podwójna konsola 160-100x50x3 Ø 11 – aluminium
Aluminium double bracket 160-100x50x3 Ø 11
Tragkonstruktion doppelt 160-100x50x3 Ø 11 – aluminium



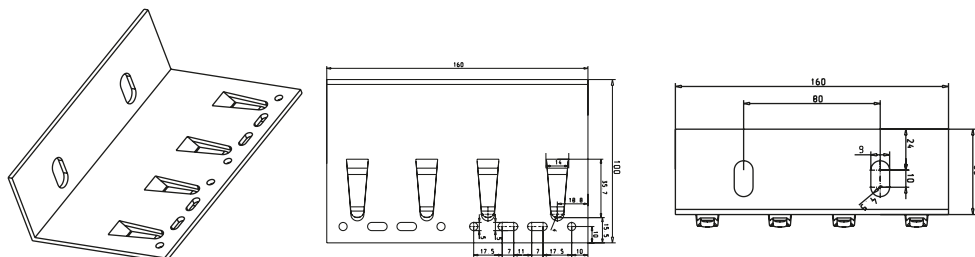
51-100358

Konsola 80-100x50x3 Ø 11 – aluminium
Aluminium bracket 80-100x50x3 Ø 11
Tragkonstruktion 80-100x50x3 Ø 11 – aluminium



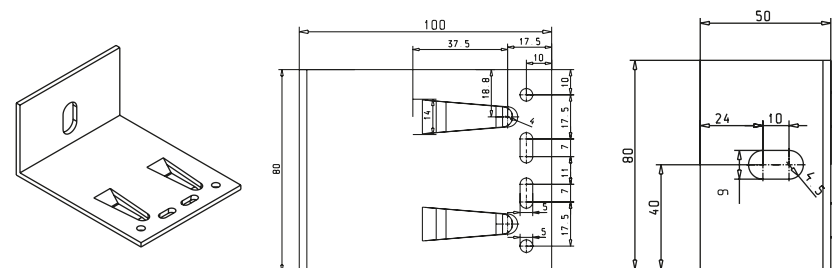
52-100361

Podwójna konsola 160-100x50x3 Ø 9 – aluminium
Aluminium double bracket 160-100x50x3 Ø 9
Tragkonstruktion doppelt 160-100x50x3 Ø 9 – aluminium



51-100359

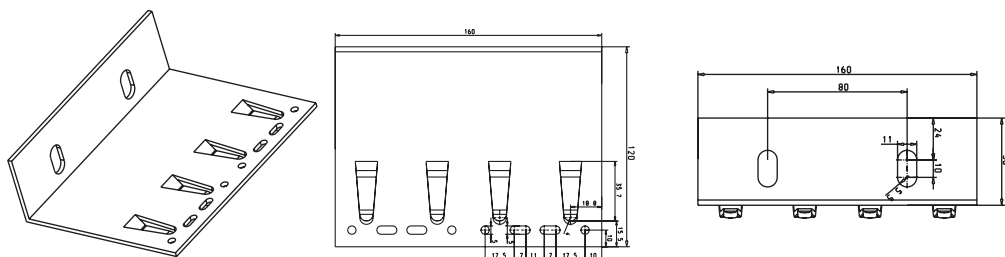
Konsola 80-100x50x3 Ø 9 – aluminium
Aluminium bracket 80-100x50x3 Ø 9
Tragkonstruktion 80-100x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets 120

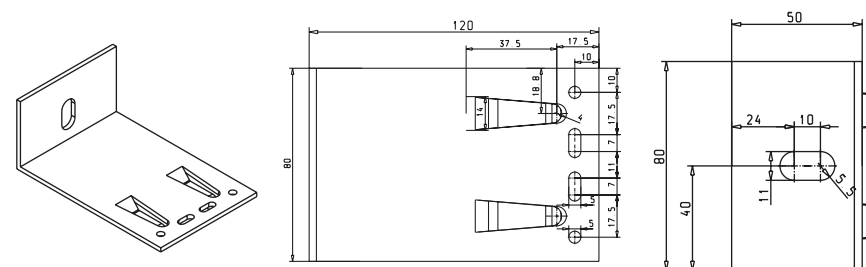
52-100364

Podwójna konsola 160-120x50x3 Ø 11 – aluminium
Aluminium double bracket 160-120x50x3 Ø 11
Tragkonstruktion doppelt 160-120x50x3 Ø 11 – aluminium



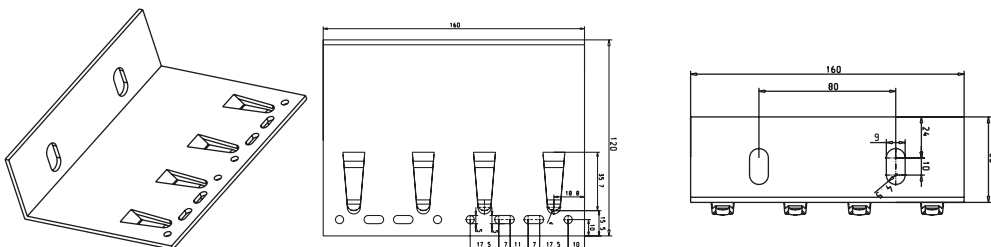
51-100362

Konsola 80-120x50x3 Ø 11 – aluminium
Aluminium bracket 80-120x50x3 Ø 11
Tragkonstruktion 80-120x50x3 Ø 11 – aluminium



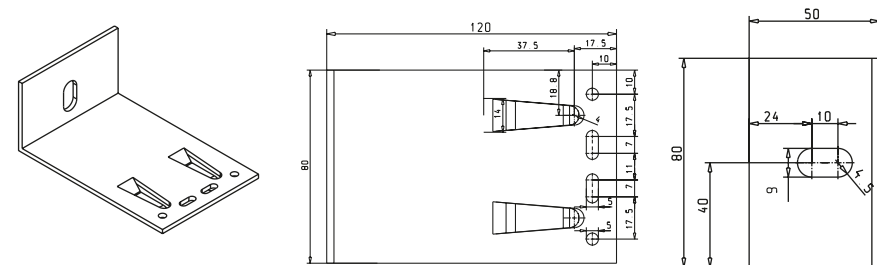
52-100365

Podwójna konsola 160-120x50x3 Ø 9 – aluminium
Aluminium double bracket 160-120x50x3 Ø 9
Tragkonstruktion doppelt 160-120x50x3 Ø 9 – aluminium



51-100363

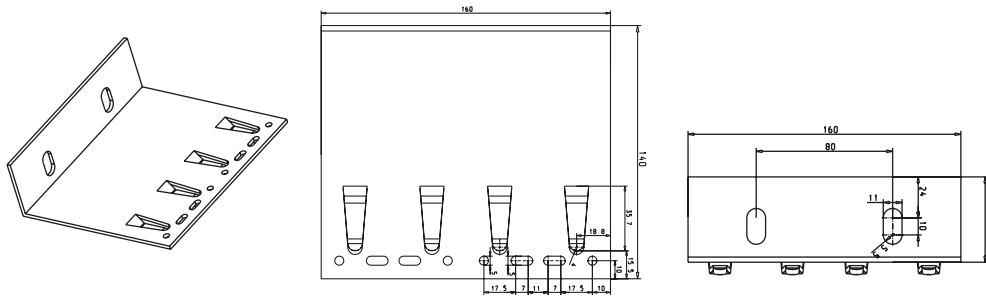
Konsola 80-120x50x3 Ø 9 – aluminium
Aluminium bracket 80-120x50x3 Ø 9
Tragkonstruktion 80-120x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets 140

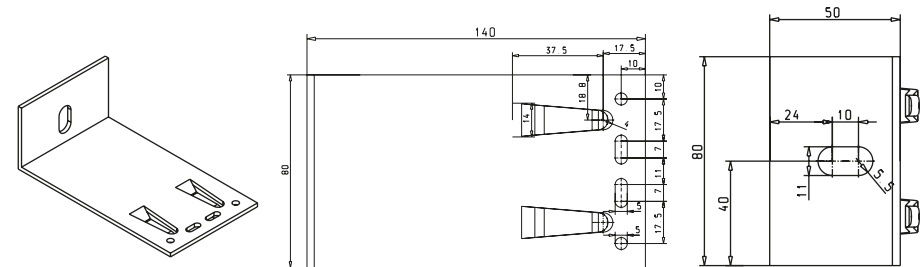
52-100368

Podwójna konsola 160-140x50x3 Ø 11 – aluminium
Aluminium double bracket 160-140x50x3 Ø 11
Tragkonstruktion doppelt 160-140x50x3 Ø 11 – aluminium



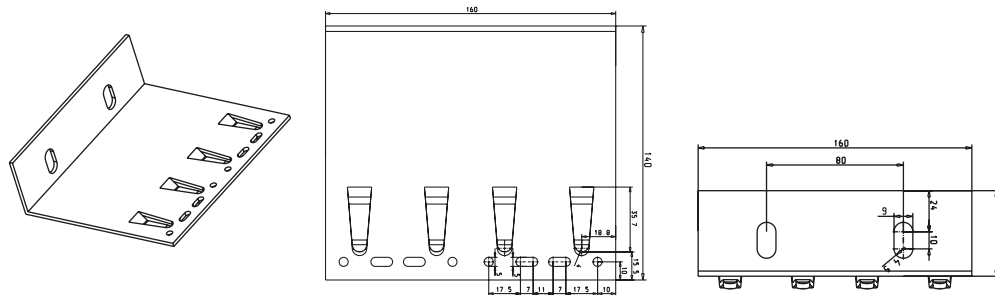
51-100366

Konsola 80-140x50x3 Ø 11 – aluminium
Aluminium bracket 80-140x50x3 Ø 11
Tragkonstruktion 80-140x50x3 Ø 11 – aluminium



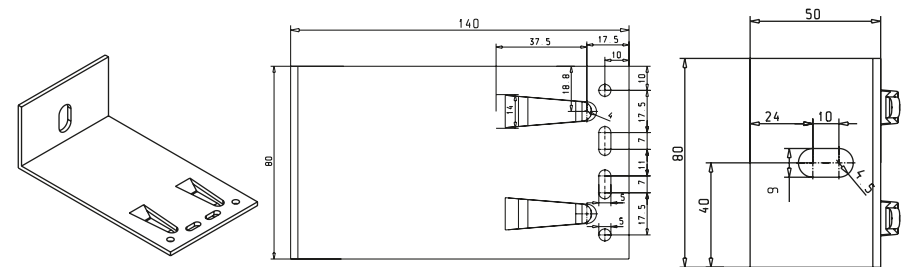
52-100369

Podwójna konsola 160-140x50x3 Ø 9 – aluminium
Aluminium double bracket 160-140x50x3 Ø 9
Tragkonstruktion doppelt 160-140x50x3 Ø 9 – aluminium



51-100367

Konsola 80-140x50x3 Ø 9 - aluminium
Aluminium bracket 80-140x50x3 Ø 9
Tragkonstruktion 80-140x50x3 Ø 9 – aluminium

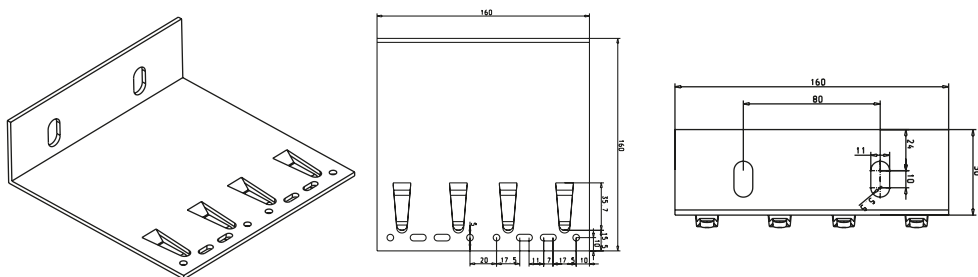


Wido-Frame - THE FRAME ASSEMBLY SYSTEM

Wido-Grip elements Aluminium brackets 160

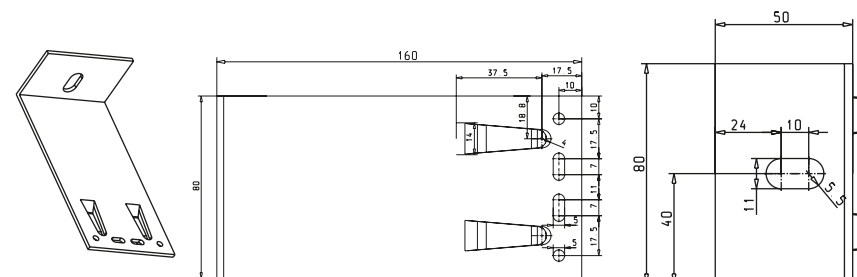
52-100372

Podwójna konsola 160-160x50x3 Ø 11 – aluminium
Aluminium double bracket 160-160x50x3 Ø 11
Tragkonstruktion doppelt 160-160x50x3 Ø 11 – aluminium



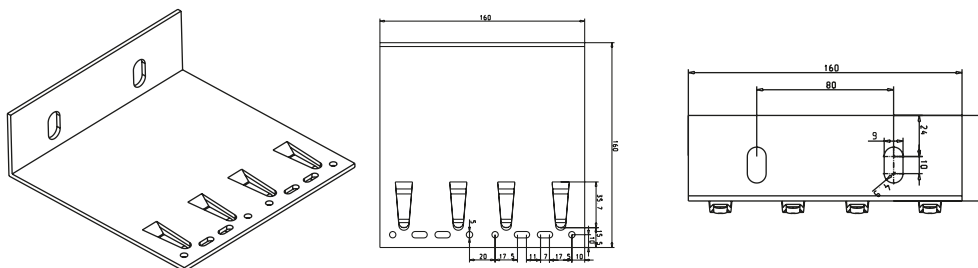
51-100370

Konsola 80-160x50x3 Ø 11 – aluminium
Aluminium bracket 80-160x50x3 Ø 11
Tragkonstruktion 80-160x50x3 Ø 11 – aluminium



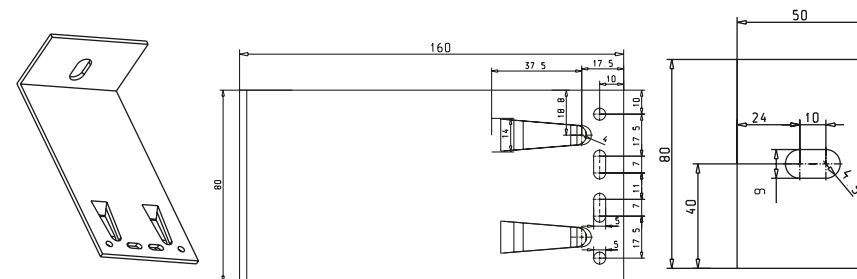
52-100373

Podwójna konsola 160-160x50x3 Ø 9 – aluminium
Aluminium double bracket 160-160x50x3 Ø 9
Tragkonstruktion 160-160x50x3 Ø 9 – aluminium



51-100371

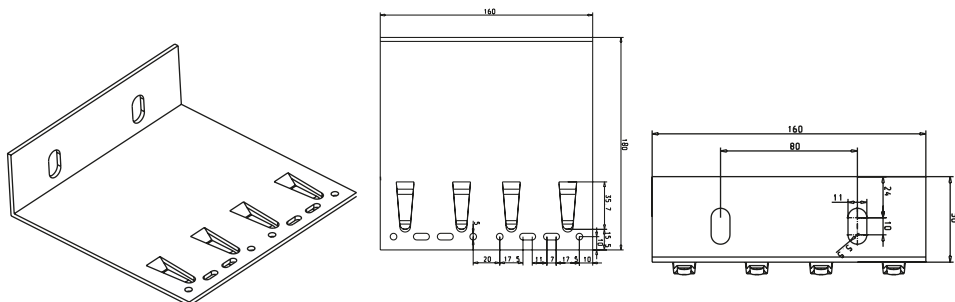
Konsola 80-160x50x3 Ø 9 – aluminium
Aluminium bracket 80-160x50x3 Ø 9
Tragkonstruktion 80-160x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets 180

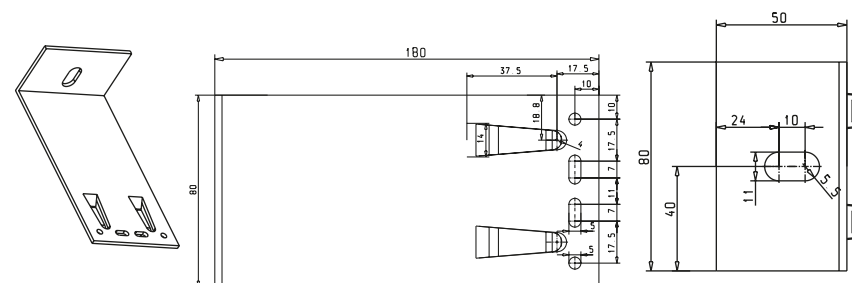
52-100433

Podwójna konsola aluminiowa 160-180x50x3 Ø 11
Aluminium double bracket 160-180x50x3 Ø 11
Tragkonstruktion doppelt 160-180x50x3 Ø 11 – aluminium



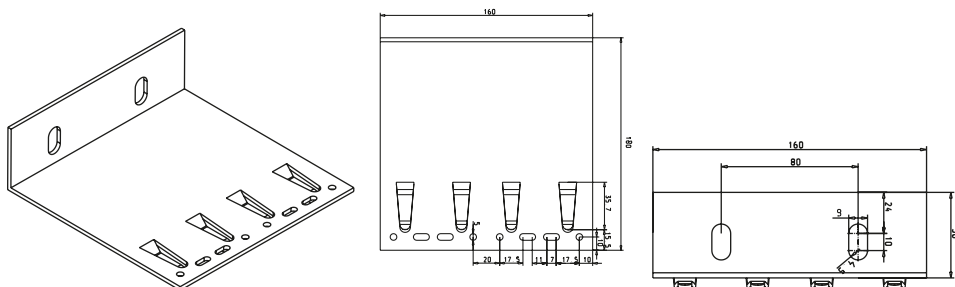
51-100431

Konsola aluminiowa 80-180x50x3 Ø 11
Aluminium bracket 80-180x50x3 Ø 11
Tragkonstruktion 80-180x50x3 Ø 11 – aluminium



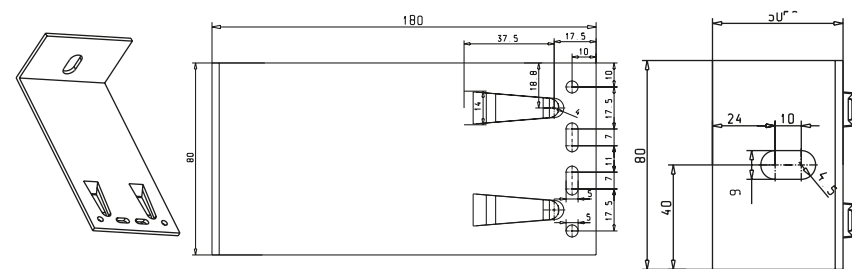
52-100434

Podwójna konsola aluminiowa 160-180x50x3 Ø 9
Aluminium double bracket 160-180x50x3 Ø 9
Tragkonstruktion doppelt 160-180x50x3 Ø 9 – aluminium



51-100432

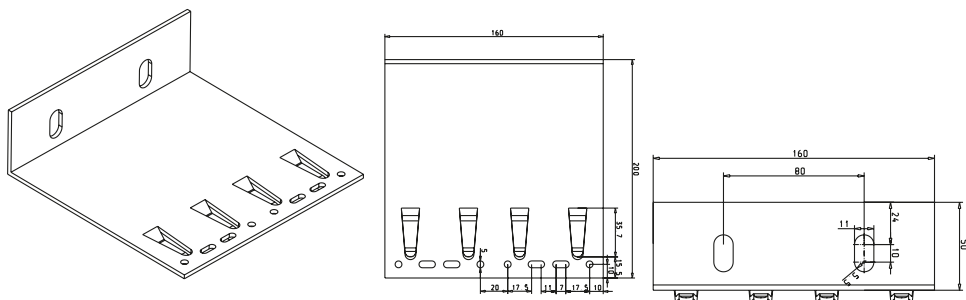
Konsola aluminiowa 80-180x50x3 Ø 9
Aluminium bracket 80-180x50x3 Ø 9
Tragkonstruktion 80-180x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets 200

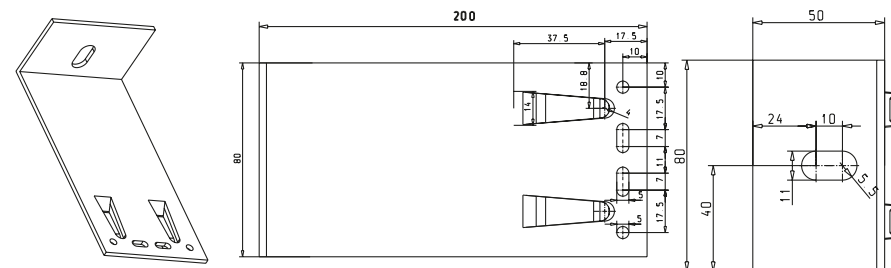
52-100384

Podwójna konsola aluminiowa 160-200x50x3 Ø 11
Aluminium double bracket 160-200x50x3 Ø 11
Tragkonstruktion doppelt 160-200x50x3 Ø 11 – aluminium



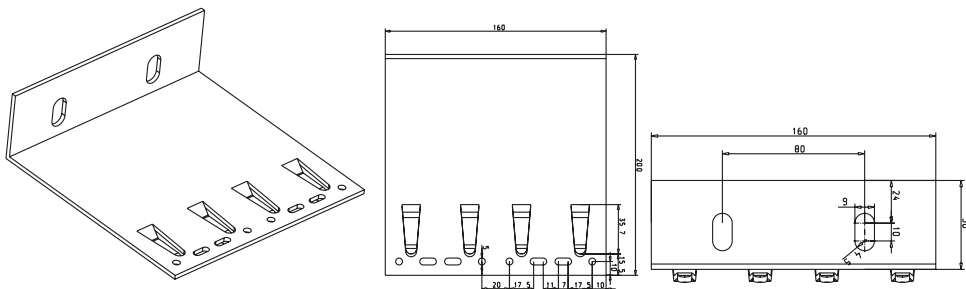
51-100382

Konsola aluminiowa 80-200x50x3 Ø 11
Aluminum bracket 80-200x50x3 Ø 11
Tragkonstruktion 80-200x50x3 Ø 11 – aluminium



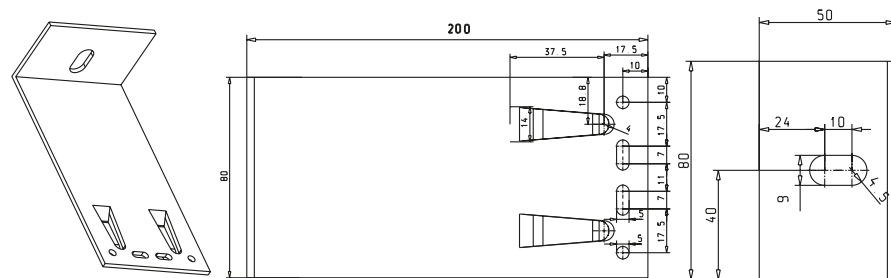
52-100385

Podwójna konsola aluminiowa 160-200x50x3 Ø 9
Aluminium double bracket 160-200x50x3 Ø 9
Tragkonstruktion doppelt 160-200x50x3 Ø 9 – aluminium



51-100383

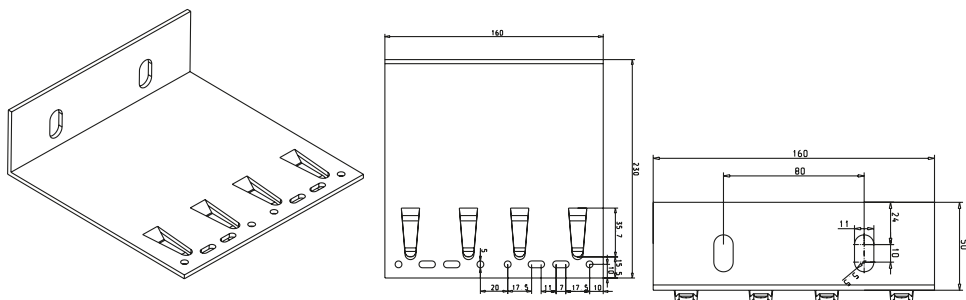
Konsola aluminiowa 80-200x50x3 Ø 9
Aluminium bracket 80-200x50x3 Ø 9
Tragkonstruktion 80-200x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets 230

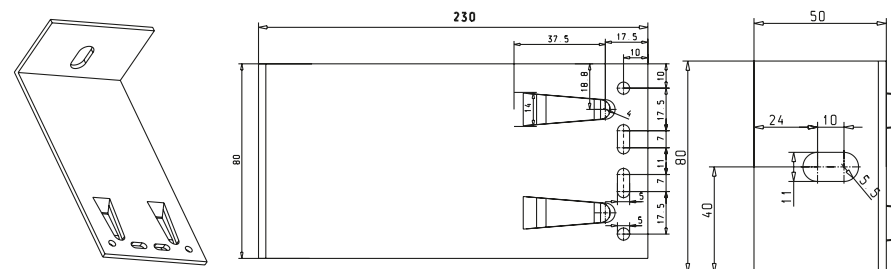
52-100443

Podwójna konsola aluminiowa 160-230x50x3 Ø 11
Aluminium double bracket 160-230x50x3 Ø 11
Tragkonstruktion doppelt 160-230x50x3 Ø 11 – aluminium



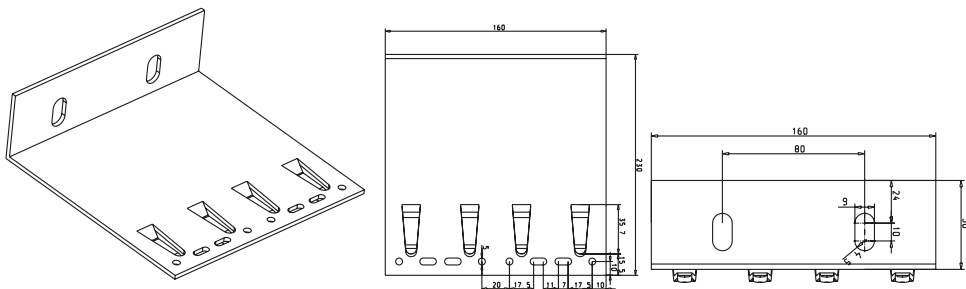
51-100441

Konsola aluminiowa 80-230x50x3 Ø 11
Aluminum bracket 80-230x50x3 Ø 11
Tragkonstruktion 80-230x50x3 Ø 11 – aluminium



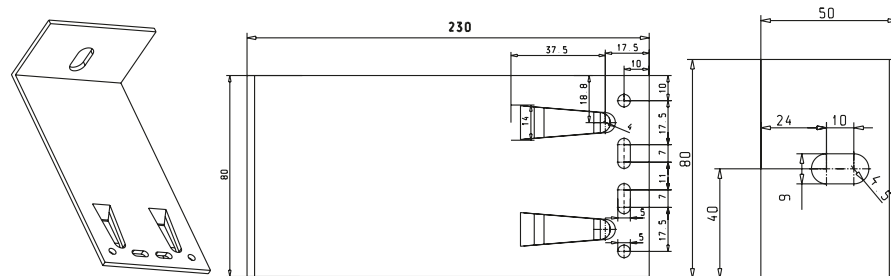
52-100444

Podwójna konsola aluminiowa 160-230x50x3 Ø 9
Aluminium double bracket 160-230x50x3 Ø 9
Tragkonstruktion doppelt 160-230x50x3 Ø 9 – aluminium



51-100442

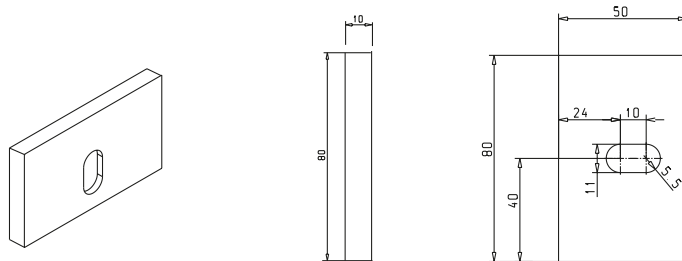
Konsola aluminiowa 80-230x50x3 Ø 9
Aluminium bracket 80-230x50x3 Ø 9
Tragkonstruktion 80-230x50x3 Ø 9 – aluminium



Wido-Grip elements Aluminium brackets

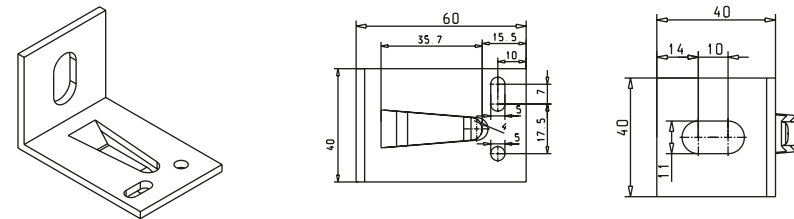
54-500355

Podkładka izolacyjna konsoli 80/50 – PCV
P.C.V. insulation washer for brackets 80/50
Unterlagsplatte für Tragkonstruktion 80/50



53-100349

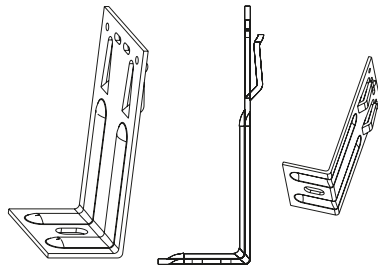
Konsola 40-60x40x3 Ø 11 – aluminium
Aluminium bracket 40-60x40x3 Ø 11
Tragkonstruktion 40-60x40x3 Ø 11 – aluminium



Stainless steel brackets

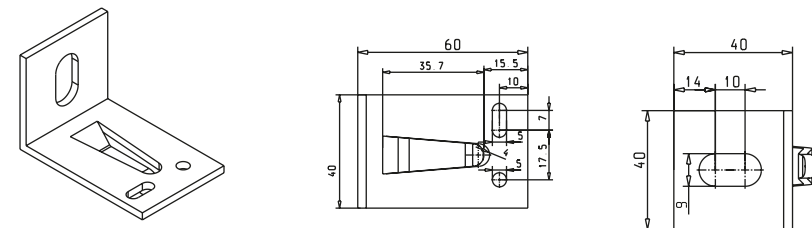
Wido-Profil also offers stainless steel brackets: a single bracket – 80 mm and a double bracket – 160 mm.

The length of brackets is determined by technical requirements of the design.



53-100350

Konsola 40-60x40x3 Ø 9 – aluminium
Aluminium bracket 40-60x40x3 Ø 9
Tragkonstruktion 40-60x40x3 Ø 9 – aluminium

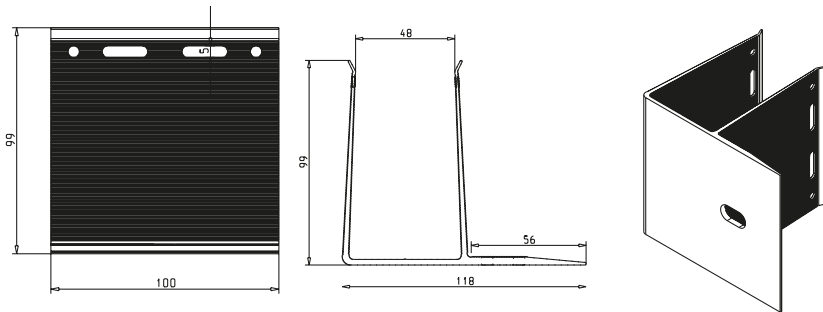


Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

Wido-Grip elements Aluminium F-type brackets; Y-type fasteners

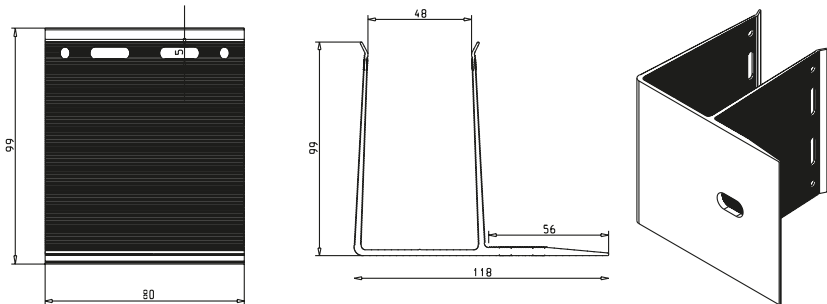
51-100497

Konsola „F” 100-100x118 Ø 11 – aluminium
Aluminium F-bracket 100-100x118 Ø 11
„F” Tragkonstruktion 100-100x118 Ø 11 – aluminium



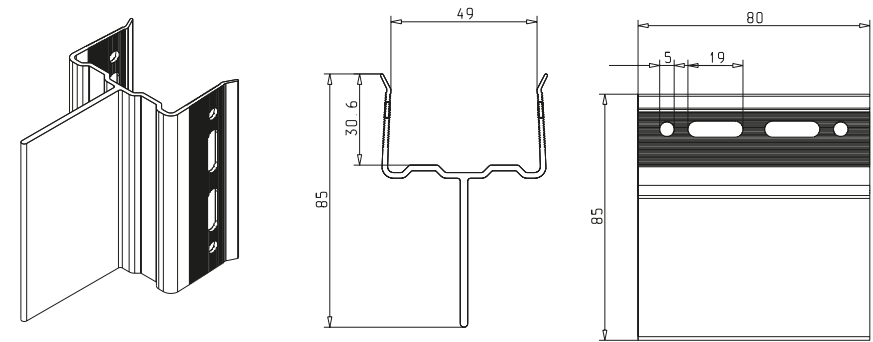
51-100505

Konsola „F” 80-100x118 Ø 11 – aluminium
Aluminium F-bracket 80-100x118 Ø 11
„F” Tragkonstruktion 80-100x118 Ø 11 – aluminium



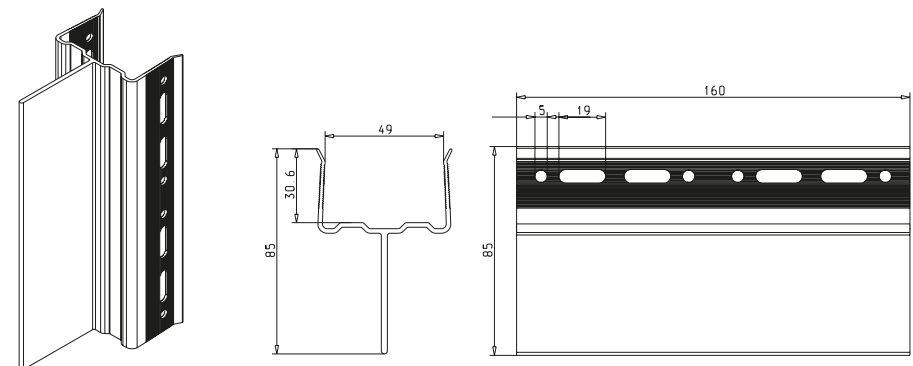
51-100520

Y-type fastener for a wooden structure or Ω-profiles 80 mm



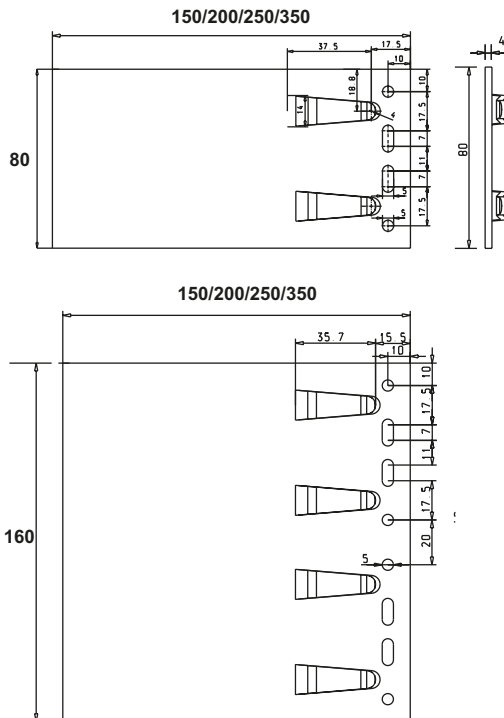
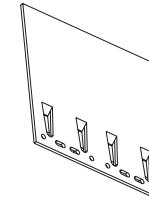
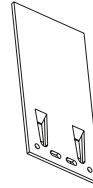
51-100521

Y-type fastener for a wooden structure or Ω-profiles 160 mm



Wido-Frame - THE FRAME ASSEMBLAGE SYSTEM

Wido-Grip elements - Flat brackets



56-100386

Konsola aluminiowa płaska pojedyncza 80x150 #4mm
Aluminium single flat bracket 80x150 #4mm
Tragkonstruktion flach/einfach 80x150 #4mm – aluminium

56-100388

Konsola aluminiowa płaska pojedyncza 80x200 #4mm
Aluminium single flat bracket 80x200 #4mm
Tragkonstruktion flach/einfach 80x200 #4mm – aluminium

56-100390

Konsola aluminiowa płaska pojedyncza 80x250 #4mm
Aluminium single flat bracket 80x250 #4mm
Tragkonstruktion flach/einfach 80x250 #4mm – aluminium

56-100392

Konsola aluminiowa płaska pojedyncza 80x300 #4mm
Aluminium single flat bracket 80x300 #4mm
Tragkonstruktion flach/einfach 80x300 #4mm – aluminium

56-100394

Konsola aluminiowa płaska pojedyncza 80x350 #4mm
Aluminium single flat bracket 80x350 #4mm
Tragkonstruktion flach/einfach 80x350 #4mm – aluminium

57-100387

Konsola aluminiowa płaska podwójna 160x150 #4mm
Aluminium double flat bracket 160x150 #4mm
Tragkonstruktion flach/doppelt 160x150 #4mm – aluminium

57-100389

Konsola aluminiowa płaska podwójna 160x200 #4mm
Aluminium double flat bracket 160x200 #4mm
Tragkonstruktion flach/doppelt 160x200 #4mm – aluminium

57-100391

Konsola aluminiowa płaska podwójna 160x250 #4mm
Aluminium double flat bracket 160x250 #4mm
Tragkonstruktion flach/doppelt 160x250 #4mm – aluminium

57-100393

Konsola aluminiowa płaska podwójna 160x300 #4mm
Aluminium double flat bracket 160x300 #4mm
Tragkonstruktion flach/doppelt 160x300 #4mm – aluminium

57-100395

Konsola aluminiowa płaska podwójna 160x350 #4mm
Aluminium double flat bracket 160x350 #4mm
Tragkonstruktion flach/doppelt 160x350 #4mm – aluminium