

Aluminium frame systems



CHAPTER 2

Indexed application diagrams

1 to 4

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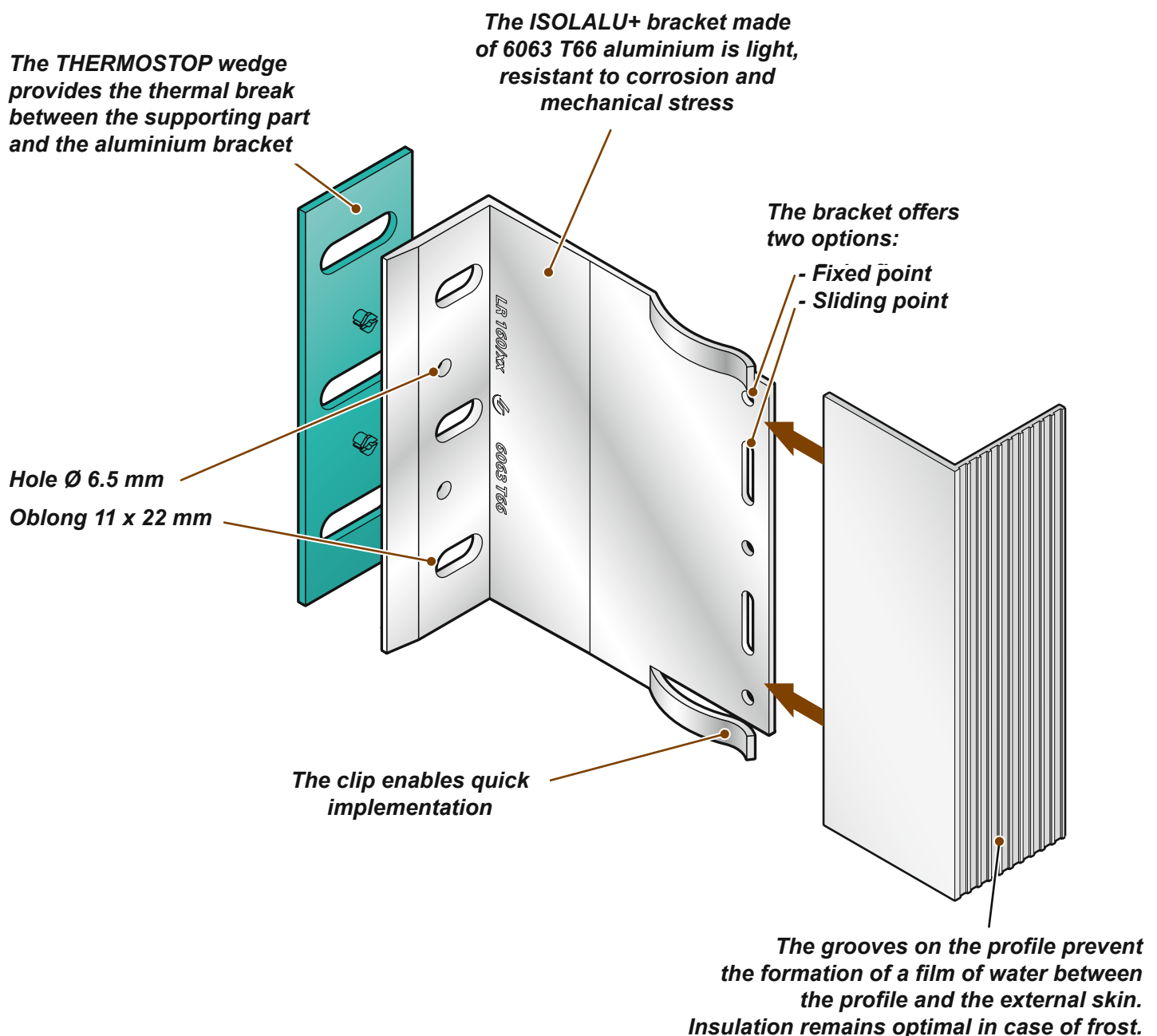
FAÇALU ALUMINIUM FRAME SYSTEM

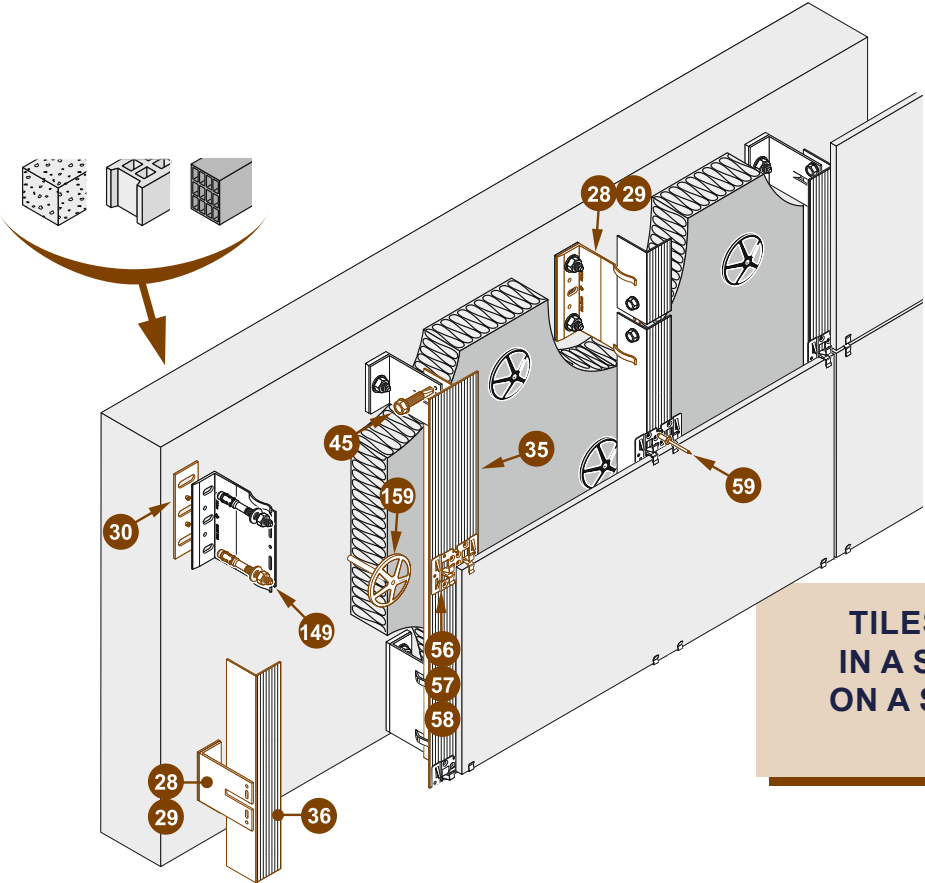
Complete exterior insulation system with aluminium frame 'FAÇALU LR 110' offers the following advantages:

Rapport d'essais
BUREAU
VERITAS

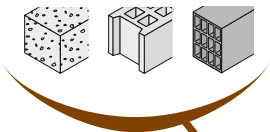
VERITAS test report
No. GEN 1/000118X₀₁
according to appendix 1
of the CSTB 3194 specification

- The light weight of the aluminium has less of an impact on the structure supporting the insulation
- Excellent thermal break thanks to the 'THERMOSTOP' wedge between the external skin and the substrate material
- Quick to install by means of clips on the 'ISOLALU+' bracket
- The presence of **fixed points** and **sliding points** on all the brackets
- Used with the chemical resins in the 'CHIMFORT KEM' range, the 'FAÇALU LR 110' system **at last provides a solution for hollow masonry or cellular concrete**, combining the astonishing strength of chemical resin on these substrates and the light weight of the aluminium frame.

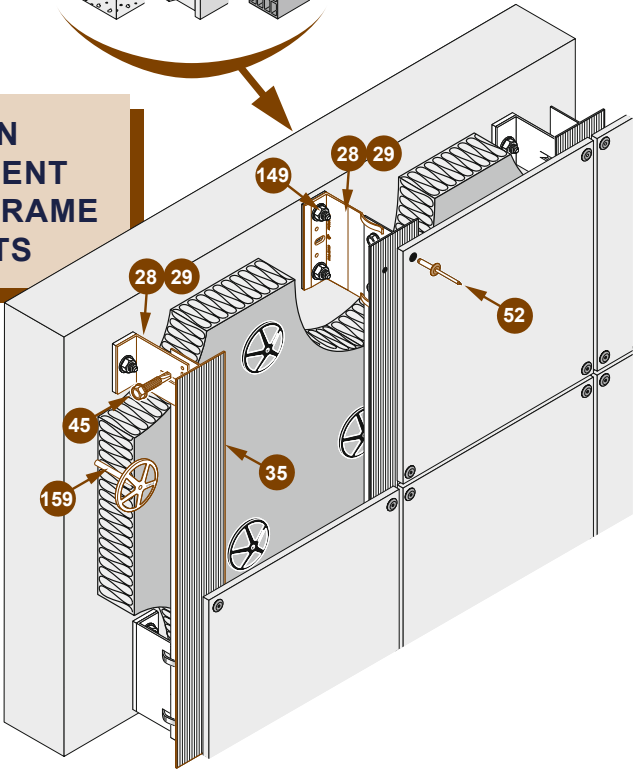




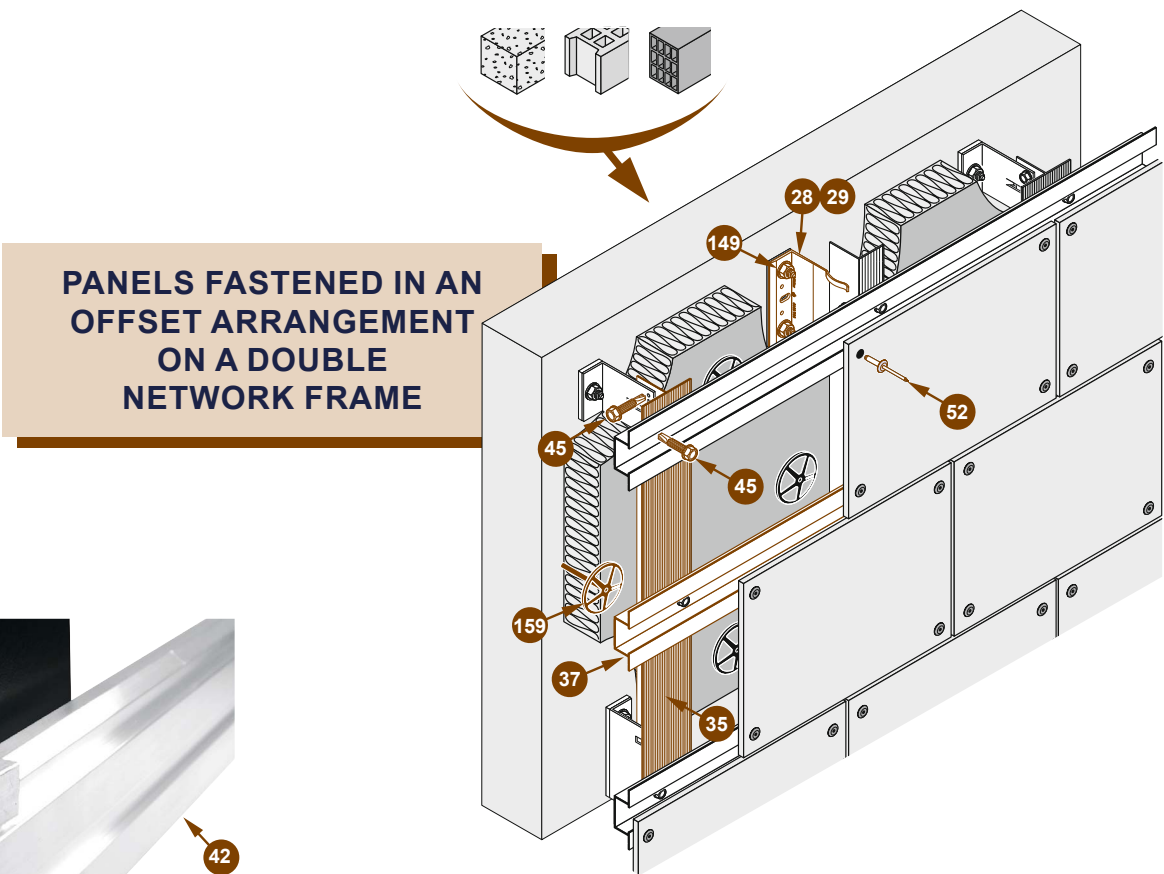
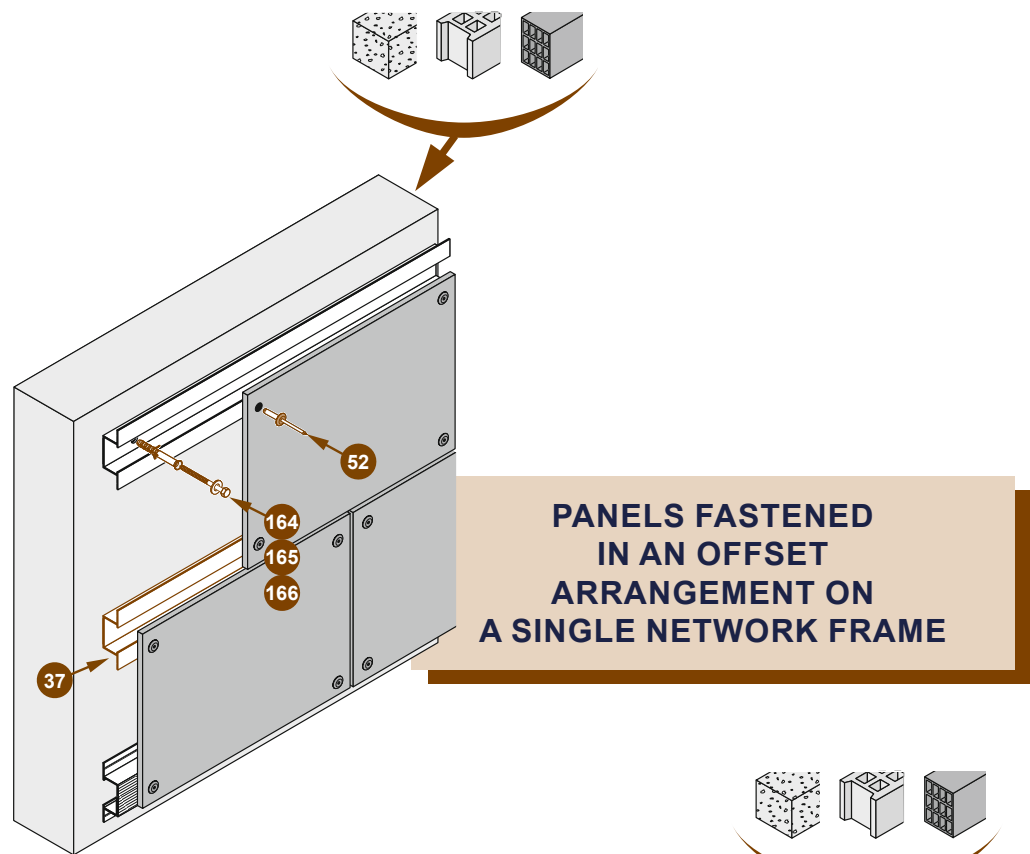
**TILES OR PANELS FASTENED
IN A STACKED ARRANGEMENT
ON A SINGLE NETWORK FRAME
WITH AL'AGRAFE**

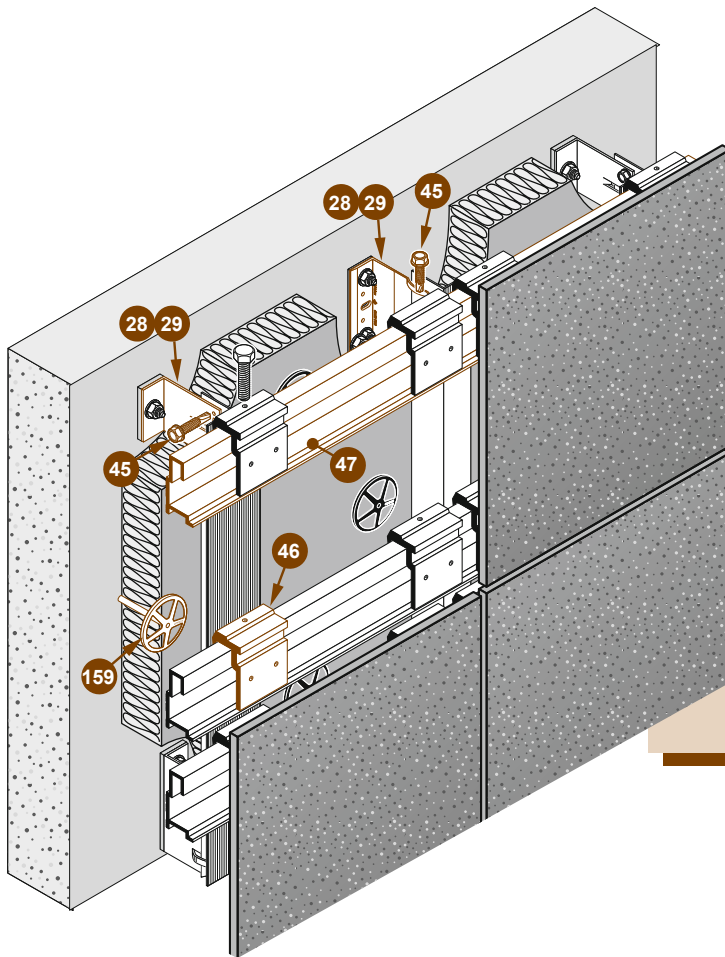


**PANELS FASTENED IN
A STACKED ARRANGEMENT
ON A SINGLE NETWORK FRAME
USING PAINTED RIVETS**

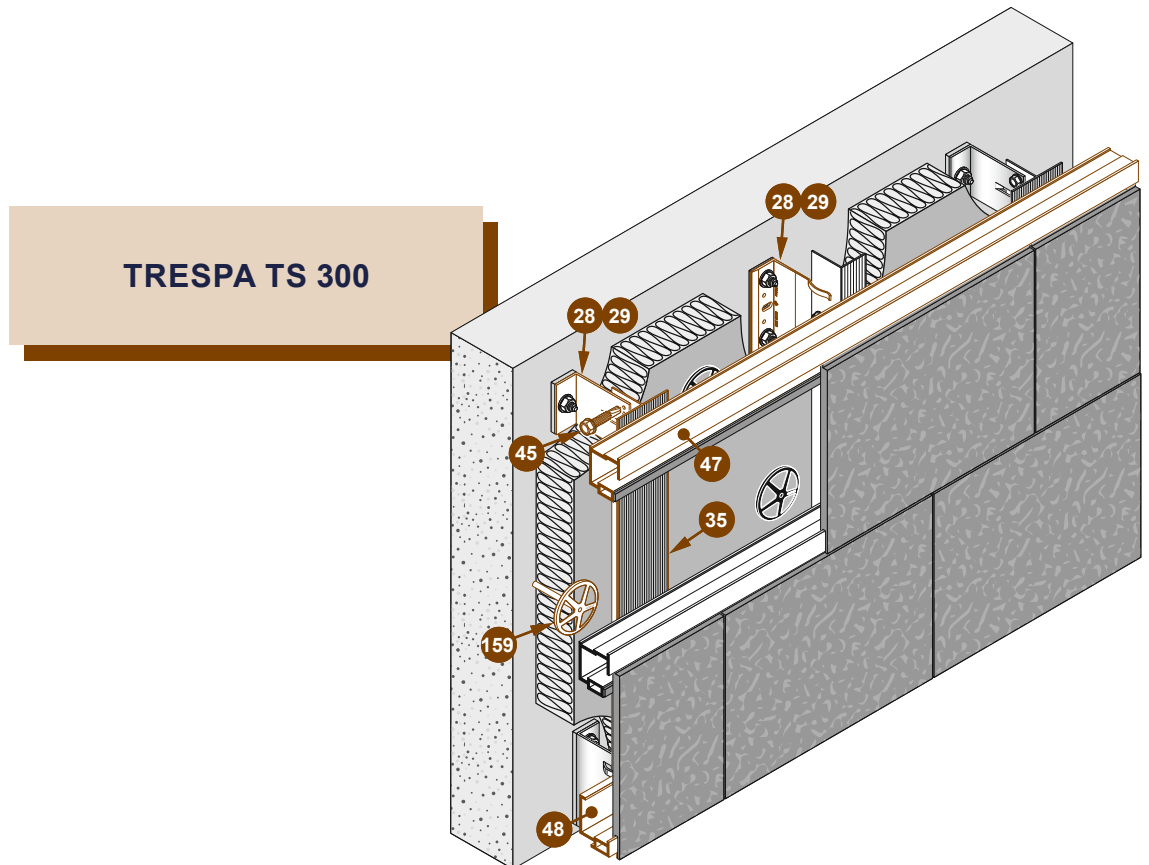


**FAÇALU+ VERTICAL
INSTALLATION OF A FRAME
FOR FASTENING SLAB EDGE
TO SLAB EDGE**



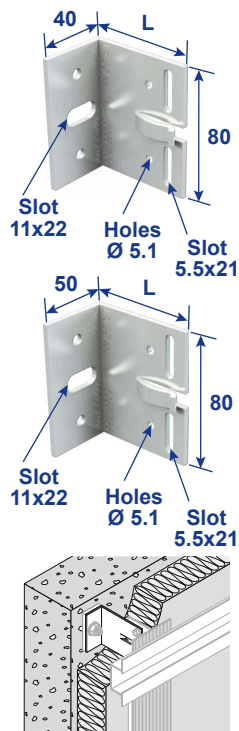


TRESPA TS 200



TRESPA TS 300

BRACKET HEIGHT 80 mm



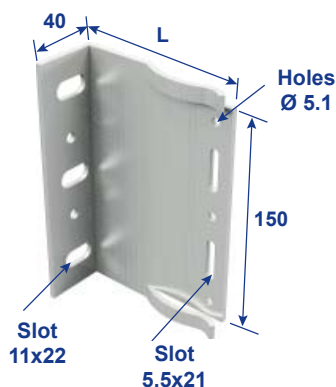
ALUMINIUM

6063 T66 aluminium

ISOLALU + bracket
LR 80

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
40	3	70	70	100	610 000
60	3	90	90	100	610 002
80	3	90	110	100	610 004
100	3	110	130	100	610 006
120	3	130	150	100	610 008
140	3	150	170	50	610 010
160	4	170	190	50	610 012
180	4	190	210	50	610 014
200	4	210	230	50	610 016
220	4	230	250	50	610 018
240	4	250	270	50	610 020
260	4	270	290	50	610 022
280	4	290	310	50	610 024
300	4	310	330	50	610 026

HEIGHT 150 mm



ALUMINIUM

6063 T66 aluminium

ISOLALU + bracket
LR 150

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
40	3	70	70	100	610 200
60	3	90	90	100	610 202
80	3	90	110	100	610 204
100	3	110	130	100	610 206
120	3	130	150	50	610 208
140	3	150	170	50	610 210

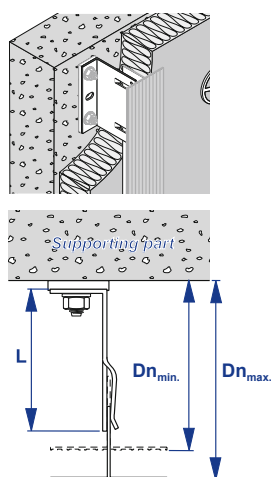
• Features:

- High resistance characteristics mean the number of brackets per m² can be reduced, thus reducing the installation time
- Internal clips to position the profiles and enable compatibility with omega or tube profiles
- bracket with fixed point and expandable point
- Possibility to correct a tilt of 2 cm from the perpendicular with the same length of bracket
- M10 anchoring compatible in seismic zones C1 and C2 with Baraco FM-753 Crack M10 metal pin and Marcovis FM-X metal/plastic pin
- Compliant with the CSTB 3194 technical specifications
- Earthquake-compliant: test report no. MRF 18 26073913 B (HPL panels)

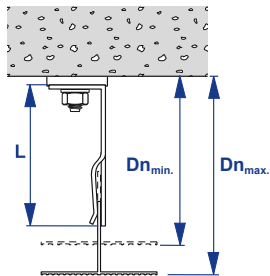
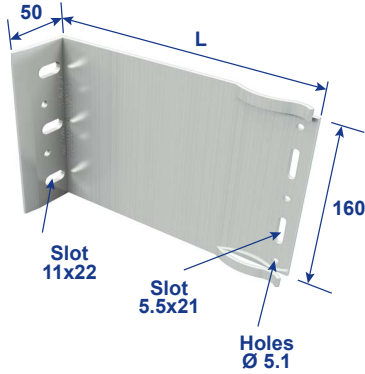
• Façade application:

- Connecting aluminium vertical profiles to the support wall on all building types, whether new or undergoing renovation
- Ideal for fastening flat panels >12 kg, ceramic plates, shingles and terracotta, stone, etc.

• Dn_{min.}: Minimum distance - Dn_{max.}: Maximum distance



BRACKET HEIGHT 160 mm



ALUMINIUM

6063 T66 aluminium

ISOLALU+ bracket
LR 160

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
160	3	170	190	50	610 212
180	3	190	210	50	610 214
200	3	210	230	50	610 216
220	3	230	250	50	610 218
240	3	250	270	50	610 220
260	3	270	290	50	610 222
280	3	290	310	50	610 224
300	3	310	330	50	610 226

• Features:

- High resistance characteristics mean the number of brackets per m² can be reduced, thus reducing the installation time
- Internal clips to position the profiles and enable compatibility with omega or tube profiles
- bracket with fixed point and expandable point
- Possibility to correct a tilt of 2 cm from the perpendicular with the same length of bracket
- M10 anchoring compatible in seismic zones C1 and C2 with BARACO FM-753 Crack M10 metal pin and Marcovis FM-X metal/plastic pin
- Compliant with the CSTB 3194 technical specifications
- Earthquake-compliant: test report no. MRF 18 26073913 B (HPL panels)

• Façade application:

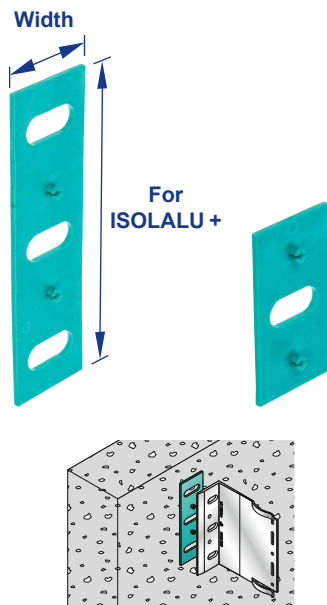
- Connecting aluminium vertical profiles to the support wall on all building types, whether new or undergoing renovation
- Ideal for fastening flat panels >12 kg, ceramic plates, shingles and terracotta, stone, etc.

more products

- ISOLALU+ brackets with pre-fitted THERMOSTOP wedge, see pages 31-32
- T profiles, see page 35 - L profiles, see page 36
- Omega profiles & Tube profiles, see page 37

- **Dn_{min.}**: Minimum distance - **Dn_{max.}**: Maximum distance

THERMAL BREAK WEDGE



PLASTIC

Blue 30%
glass fibre-reinforced
PA06 polyamide

THERMOSTOP wedge

For ISOLALU+		Width	Thickness	Packaging	Code
LR 80	L 40 to 140	40	3	200	611 490
LR 80	L 160 to 300	50	3	200	611 491
LR 150	L 40 to 140	40	3	100	611 492
LR 160	L 160 to 300	50	3	100	611 493

- Compliant with the CSTB 3194 technical specifications
- Thermal conductivity: 0.28 W/(m.K.)
- Compression resistance: 100 N/mm²
- **Façade application:**
 - Insulating plastic wedge to reduce thermal breaks between the substrate and the aluminium bracket

more products

- ISOLALU+ brackets, see pages 28 & 29

BEARING WASHER



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304

FLAT WASHER/A2 SS

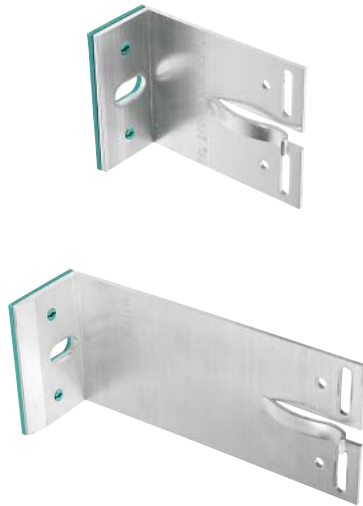
ext. Ø	hole Ø	Thickness	Packaging	Code
22	10.77	2	100	71 291

- Accessory recommended to fasten brackets onto the supporting wall
- **Façade application:**
 - Bearing washer when using BARACO anchors
 - Acts as an electrolytic barrier between the steel and aluminium

more products

- BARACO FM 753, see page 149 - BARACO FM 753 CRACK, see page 150
- CHIMFORT KEM chemical anchor, see pages 151 to 154

BRACKET WITH PRE-MOUNTED THERMOSTOP WEDGE HEIGHT 80 mm



ALUMINIUM

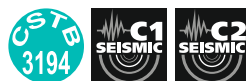
PLASTIC

6063 T66 aluminium
+ Blue glass fibre-reinforced
PA06 polyamide

ISOLALU + bracket LR 80
+ THERMOSTOP wedge

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
40	3	70	70	100	610 100
60	3	90	90	100	610 102
80	3	90	110	100	610 104
100	3	110	130	100	610 106
120	3	130	150	100	610 108
140	3	150	170	50	610 110
160	4	170	190	50	610 112
180	4	190	210	50	610 114
200	4	210	230	50	610 116
220	4	230	250	50	610 118
240	4	250	270	50	610 120
260	4	270	290	50	610 122
280	4	290	310	50	610 124
300	4	310	330	50	610 126

HEIGHT 150 mm



ALUMINIUM

PLASTIC

6063 T66 aluminium
+ Blue glass fibre-reinforced
PA06 polyamide

ISOLALU + bracket LR 150
+ THERMOSTOP wedge

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
40	3	70	70	100	610 300
60	3	90	90	100	610 302
80	3	90	110	100	610 304
100	3	110	130	100	610 306
120	3	130	150	100	610 308
140	3	150	170	50	610 310

• Features:

- Pre-mounted insulating wedge to reduce thermal breaks
- High resistance characteristics mean the number of brackets per m² can be reduced, thus reducing the installation time
- Internal clips to position the profiles and enable compatibility with omega or tube profiles
- bracket with fixed point and expandable point
- Possibility to correct a tilt of 2 cm from the perpendicular with the same length of bracket
- M10 anchoring compatible in seismic zones C1 and C2 with BARACO FM-753 CRACK M10 metal pin and Marcovis FM-X metal/plastic pin
- Compliant with the CSTB 3194 technical specifications
- Earthquake-compliant: test report no. MRF 18 26073913 B (HPL panels)

• Façade application:

- Façade insulation system, bracket for vertical fastening of aluminium profiles.

more products

- T profiles, see page 35 - L profiles, see page 36

• Dn_{min.}: Minimum distance - Dn_{max.}: Maximum distance

BRACKET WITH PRE-MOUNTED THERMOSTOP WEDGE HEIGHT 160 mm



ALUMINIUM

PLASTIC

6063 T66 aluminium
+ Blue glass fibre-reinforced
PA06 polyamide

ISOLALU + bracket LR 160
+ THERMOSTOP wedge

L	Base thickness	Dn _{min.}	Dn _{max.}	Packaging	Code
160	3	170	190	50	610 312
180	3	190	210	50	610 314
200	3	210	230	50	610 316
220	3	230	250	50	610 318
240	3	250	270	50	610 320
260	3	270	290	50	610 322
280	3	290	310	50	610 324
300	3	310	330	50	610 326

- **Features:** see page 31
- **Façade application:**
 - Façade insulation system, bracket for vertical fastening of aluminium profiles.

more products

- T profiles, see page 35 - L profiles, see page 36

- **Dn_{min.}:** Minimum distance - **Dn_{max.}:** Maximum distance

BRACKET FOR FRAME FOR HORIZONTAL INSTALLATION HEIGHT 80 mm



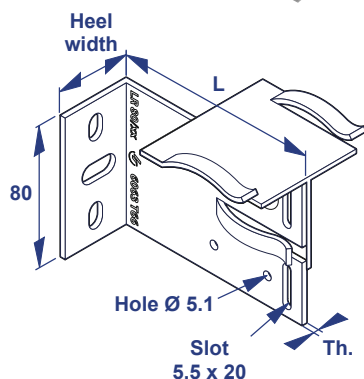
ALUMINIUM

6063 T66 aluminium

ISOLALU + RHC

H	L	Th.	Heel width	Weight (kg)	Packaging	Code
80	60	3	40	0.13	1	611 616
80	80	3	40	0.14	1	611 618
80	100	3	40	0.15	1	611 620
80	120	3	40	0.16	1	611 622
80	140	3	40	0.18	1	611 624
80	160	4	50	0.19	1	611 626
80	180	4	50	0.20	1	611 628
80	200	4	50	0.22	1	611 630
80	220	4	50	0.23	1	611 632
80	240	4	50	0.24	1	611 634
80	260	4	50	0.26	1	611 636
80	280	4	50	0.27	1	611 638
80	300	4	50	0.28	1	611 640

- **Features:**
 - Fastening and adjustment of profile facilitated by the clip (flatness adjustment, retention with fastening, etc.)
 - Application possible in coastal areas
 - Ideal for the fastening flat panels with cross joints and slats/rails (lightweight cladding of 5 to 15 kg / m²) allowing savings of 20 to 30% compared to the double network system
 - M8 anchoring
 - Compliant with the CSTB 3194 technical specifications
 - Compliance with standards NF A 50-411 & NF A 50-710
- **Façade application:**
 - Façade insulation system, bracket for horizontal fastening of aluminium profiles.



CORNER PARTS HEIGHT 160 mm



GALVANISED STEEL

Min. S220 Z450 steel

CORNER PARTS LR 80

No load	Packaging	Code
100	1	355 481
120	1	355 483
140	1	355 485
160	1	355 487
180	1	355 489
200	1	355 491
220	1	355 493
240	1	355 495

GALVANISED STEEL

Min. S220 Z450 steel

CORNER PARTS LR 160

No load	Packaging	Code
100	1	355 480
120	1	355 482
140	1	355 484
160	1	355 486
180	1	355 488
200	1	355 490
220	1	355 492
240	1	355 494



• Features:

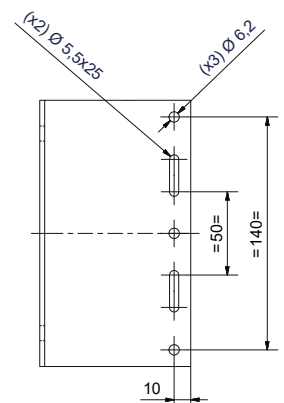
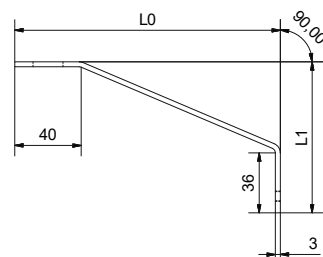
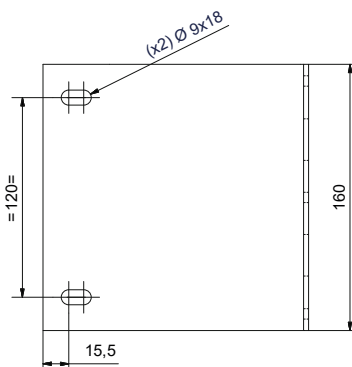
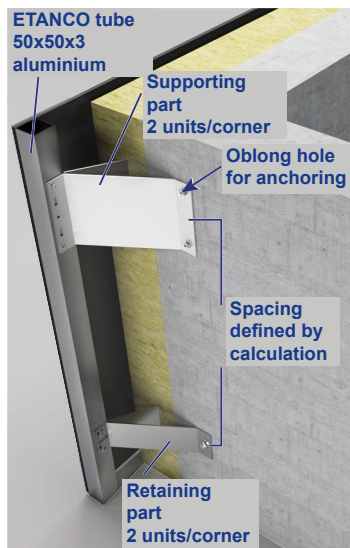
- Versatile range that can adapt to fit all frame types: aluminium (fixed point and expanding), steel and wood for insulation from 80 to 220 mm
- High load absorption for fastening heavy cladding
- Compliant with the CSTB 3316 technical specifications
- Compliant with the CSTB 3194 technical specifications
- Suitable for seismic zones in accordance with the Eurocode and French Standard NF EN 1998

• Façade application:

- Fastening 100 mm to 240 mm (installation gap) corner frames for ventilated cladding.

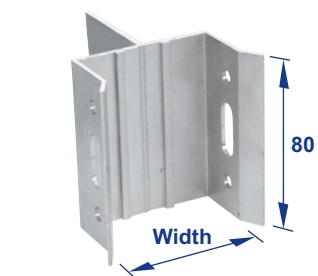
more products

- Aluminium tube 50x50x3 (code 667 901)



ALUMINIUM BRACKET FOR TIMBER RAFTERS

WIDTHS 60 or 80 MM



ALUMINIUM

6060 T6 aluminium

ISOLALU+ WOOD BRACKET

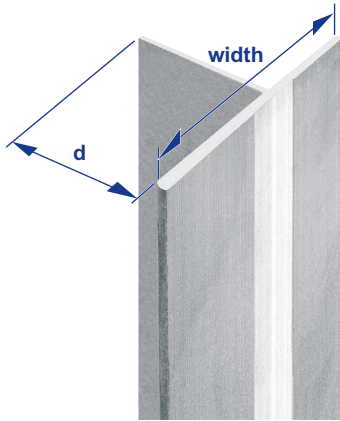
Length x Width	For Isolalu+	Packaging	Code
80 x 60	80	1	605 650
150 x 60	150	1	605 652
80 x 80	80	1	605 649
150 x 80	150	1	605 651

- Compliant with the CSTB 3316 technical specifications
- Brackets used to install a vertical frame of timber rafters width 60 or 80 mm
- **Façade application:**
 - The brackets are used on ISOLALU+ brackets LR 80 and LR 150 up to 140 mm

more products

- ISOLALU+ brackets LR 80 & LR 150, see pages 28 & 31

ALUMINIUM PROFILE FOR PRIMARY FRAME LENGTHS 3 or 6 METRES



ALUMINIUM

6063 T66 aluminium

**FAÇALU PROFILE
T**

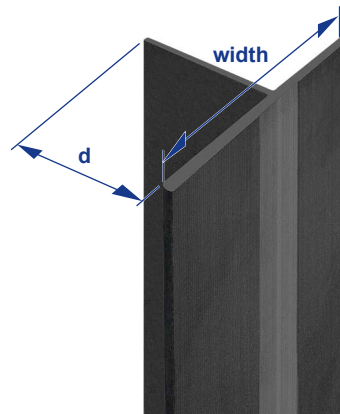
width x d	Thickness	Length (m)	Packaging	Code
80 x 52	2	3	1	611 048
80 x 52	2	6	1	611 044
80 x 52	2.5	3	1	611 024
80 x 52	2.5	6	1	611 027
110 x 52	2	3	1	611 029
110 x 52	2	6	1	611 015
110 x 52	2.5	3	1	611 168
110 x 52	2.5	6	1	611 163
140 x 52 * #	2	3	1	611 167
150 x 52	2.5	3	1	611 370
150 x 52	2.5	6	1	611 139

(*) No CE marking - (#) in 6060 T6 as long as stocks last

ALUMINIUM

6063 T66 aluminium painted black

**FAÇALU PROFILE
T/Black**



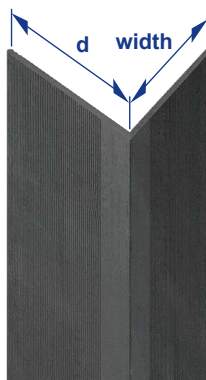
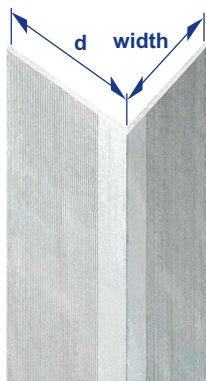
width x d	Thickness	Length (m)	Packaging	Code
80 x 52	2	6	1	611 388
80 x 52	2.5	6	1	611 387

- Compliant with the CSTB 3194 technical specifications
 - Product features compliant with standards NF EN 1301-1 and NF EN 755-2
 - Dimensional tolerances compliant with standard NF EN 755-9
- CE marking
 - Compliant with standard NF EN 15088
- T-shaped aluminium profile with longitudinal grooves avoiding any film of water building up between the outer skin and the aluminium structure.
- Façade application:**
 - The T profile is used to connect two panels
 - Fastening aluminium profiles 2 mm thick onto the aluminium brackets: Aluminium/stainless steel rivet 5x12
 - Fastening aluminium profiles 2.5 mm thick onto the aluminium brackets: PERFIX screw 5.5x25 or aluminium/stainless steel rivet 5x12

more products

- PERFIX screw 5.5x25 (code 300 466) or aluminium/stainless steel rivet 5x12 (code 270 540), see page 51
- ISOLALU+ brackets, see pages 28 & 29
- THERMOSTOP wedge, see page 30

ALUMINIUM PROFILE FOR PRIMARY FRAME LENGTHS 3 or 6 METRES



ALUMINIUM

6063 T66 aluminium

FAÇALU PROFILE L

width x d	Thickness	Length (m)	Packaging	Code
50 x 42	2	3	1	611 036
50 x 42	2	6	1	611 016
50 x 42	2.5	3	1	611 049
50 x 42	2.5	6	1	611 047
50 x 50	3	3	1	673 820
50 x 50	3	6	1	611 375



Black anodised 6063 T66 aluminium

FAÇALU PROFILE L/Black

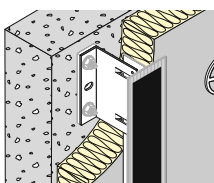
width x d	Thickness	Length (m)	Packaging	Code
50 x 42	2	6	1	611 390
50 x 42	2.5	6	1	611 392

- Compliant with the CSTB 3194 technical specifications
 - Product features compliant with standards NF EN 1301-1 and NF EN 755-2
 - Dimensional tolerances compliant with standard NF EN 755-9
- CE marking
 - Compliant with standard NF EN 15088
- L-shaped aluminium profile with longitudinal grooves avoiding any film of water building up between the outer skin and the aluminium structure.
- Façade application:**
 - The L-shaped profile is used as a rail and a panel side edge stop.
 - Fastening aluminium profiles 2 mm thick onto the aluminium brackets: Aluminium/stainless steel rivet 5x12
 - Fastening aluminium profiles 2.5 mm thick onto the aluminium brackets: PERFIX screw 5.5X25 or aluminium/stainless steel rivet 5x12

more products

- PERFIX screw 5.5x25 (code 300 466) or aluminium/stainless steel rivet 5x12 (code 270 540), see page 51
- ISOLALU+ brackets, see pages 28 & 29 - THERMOSTOP wedge, see page 30

SELF-ADHESIVE FLEXIBLE TAPE



Acrylic glue

SELF-ADHESIVE TAPE

Colour	Width	Length roll (m)	Nbr. rolls	Box (m)	Code
Black	40	10	6	60	611 750
Black	80	25	2	50	611 307
Black	100	25	2	50	611 319
Black	120	25	2	50	611 327

- Façade application:**
 - Black adhesive tape concealing the aluminium profile between 2 panels

ALUMINIUM PROFILE FOR PRIMARY FRAME LENGTH 5.2 METRES



ALUMINIUM

6063 T66 aluminium

**FAÇALU PROFILE
TUBE**

width x d	Thickness	Length (m)	Packaging	Code
60 x 40	2.5	6	1	611 288

- Compliant with the CSTB 3194 technical specifications
 - Product features compliant with standards NF EN 1301-1 and NF EN 755-2
 - Dimensional tolerances compliant with standard NF EN 755-9
- CE marking
 - Compliant with standard NF EN 15088
- Façade application:**
 - The TUBE profile is used as a rail and panel side edge stop.
 - Fastening aluminium profiles 2.5 mm thick onto the aluminium brackets: PERFIX screw 5.5x25 or aluminium/stainless steel rivet 5x12

more products

- PERFIX screw 5.5x25 (code 300 466) or aluminium/stainless steel rivet 5x12 (code 270 540), see page 51
- ISOLALU+ brackets, see pages 28 & 29 - THERMOSTOP wedge, see page 30

ALUMINIUM PROFILE FOR SECONDARY FRAME LENGTHS 3 or 6 METRES



ALUMINIUM

6063 T66 aluminium

**FAÇALU OMEGA
100 / 29**

Thickness	Length (m)	Packaging	Code
2	6	1	611 017
2	3	1	611 037



6063 T66 aluminium

**FAÇALU OMEGA
100 / 29**

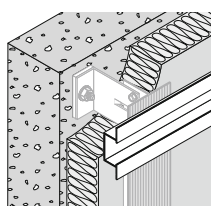
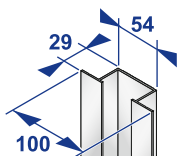
Thickness	Length (m)	Packaging	Code
2.5	6	1	611 381
2.5	3 *	1	611 382

(*) 6060 T6 as long as stocks last

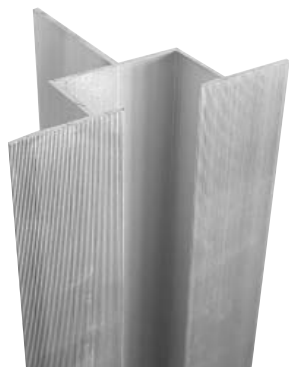
- Compliant with the CSTB 3194 technical specifications
 - Product features compliant with standards NF EN 1301-1 and NF EN 755-2
 - Dimensional tolerances compliant with standard NF EN 755-9
- CE marking
 - Compliant with standard NF EN 15088
- Façade application:**
 - The oméga profile is used for secondary frames with FAÇALU profiles
 - Fastening aluminium profiles 2 mm thick onto the aluminium brackets: Aluminium/stainless steel rivet 5x12

more products

- Aluminium/stainless steel rivet 5x12 (code 270 540), see page 51
- FAÇALU T 80/52 profile, see page 35 - FAÇALU T 110/52 profile (code 611 015), see page 35
- FAÇALU L 50/42 profile, see page 36



T PROFILE WITH OPEN JOINT LENGTHS 3 or 6 M



ALUMINIUM

6063 T66 aluminium

**T PROFILE
WITH OPEN JOINT**

Bracket-profile connection thickness by smoothing	Packaging	Code
2.5	3 m	611 426
2.5	6 m	611 425



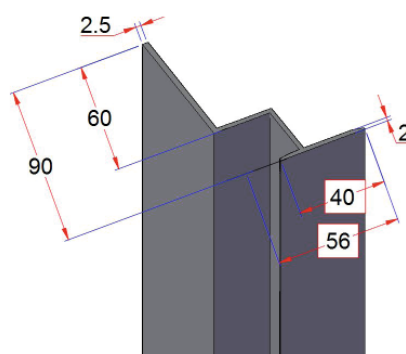
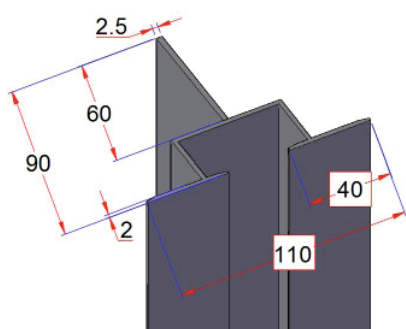
ALUMINIUM

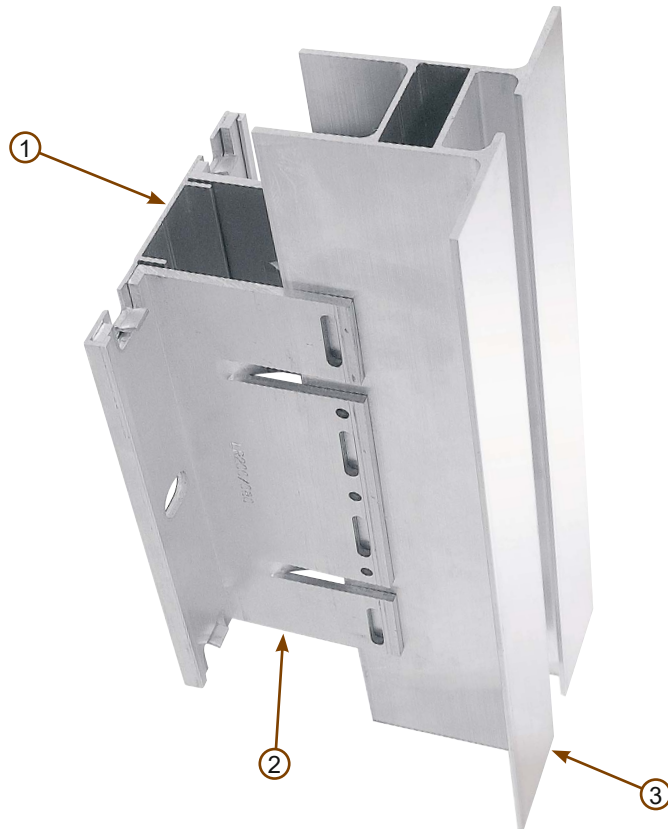
6063 T66 aluminium

**HALF T PROFILE
WITH OPEN JOINT**

Bracket-profile connection thickness by smoothing	Packaging	Code
2.5	3 m	611 428
2.5	6 m	611 427

- Recessed joint that doesn't reflect sunlight, leaving the joint dark
- Significant inertia (Overall dimensions: 90 mm (depth) x 110 mm (exposed face))
- Compliant with the CSTB 3194 technical specifications
- Compliant with NF EN 1999
- The half-profile is designed for ends (building edge, bay window edge, etc.)
- **Façade application:**
 - These profiles are ideally designed for fastening flat HPL fibre-cement and composite panels with through fastenings





PRINCIPLE

Vertical installation of a frame for fastening slab edge to slab edge.

The system has 3 elements:

- ① • An anti-rotation support base, the **FAÇALU +** base, on which to install the brackets.
- ② • Two **ISOLALU NDND LR 200** brackets per support base, enabling the installation of the **FAÇALU +** profile.
- ③ • **FAÇALU +** vertical profile, 3 metres in length.

The 3-mm thickness of the **FAÇALU +** profile allows it to be fastened onto the brackets using screws.

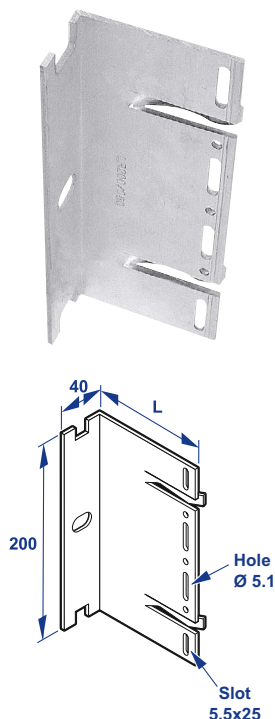
Range of brackets from **80 to 240 mm**, responding to the changes in the **thermal regulations**.



ADVANTAGES

- Simplicity - **3 components**.
- Quick to install - **slab edge to slab edge**.
- Removal of intermediate supports on the existing façade - **Reduction of structural thermal breaks**.

CLIP BRACKET HEIGHT 200 mm



ALUMINIUM

6060 T5 aluminium - th. 4 mm

ISOLALU NDND bracket
LR 200

L	Dn _{min.}	Dn _{max.}	Packaging	Code
80	120	140	50	611 178
100	140	160	50	611 179
120	160	180	50	611 180
140	180	200	50	611 181
160	200	220	25	611 182
180	220	240	25	611 183
200	240	260	25	611 184
220	260	280	25	611 185

- Compliant with the CSTB 3194 technical specifications
- VERITAS technical report No.1947318 / 1A according to appendix 1 of the CSTB 3194 technical specifications
- **Façade application:**
 - Bracket for the vertical fastening of the FAÇALU + aluminium profile
 - 2 brackets per FAÇALU + support base
 - M10 anchoring

more products

- FAÇALU + & FAÇALU + MEDIUM profiles, see page 41
- ISOLALU NDND support base, see below

- **Dn_{min.}:** Minimum distance - **Dn_{max.}:** Maximum distance

ISOLALU NDND SUPPORT BASE



ALUMINIUM

6060 T5 aluminium - th. 4 mm

ISOLALU NDND SUPPORT
BASE - LR 200 M12

L	th.	Packaging	Code
200	4	50	611 161

- Compliant with the CSTB 3194 technical specifications
- VERITAS technical report No. 1947318 / 1A according to appendix 1 of the CSTB 3194 technical specifications
- **Façade application:**
 - Anti-rotation support base on which to fasten the ISOLALU NDND brackets

ALUMINIUM PROFILE FOR PRIMARY FRAME LENGTHS 3 or 6 METRES



ALUMINIUM

6060 T6 aluminium

FAÇALU+ profile

Rapport d'essais
BUREAU
VERITAS



Length (m)	Thickness	Model	For cladding loads	Packaging	Code
3	3	standard	<70 kg/m ²	1	611 250
6	3	standard	<70 kg/m ²	1	611 169
3	3	medium	<50 kg/m ²	1	611 158

- Compliant with the CSTB 3194 technical specifications
- VERITAS technical report No.1947318/1A according to appendix 1 of the CSTB 3194 technical specifications
- **Façade application:**
 - Vertical profile for fastening slab edge to slab edge
 - Fastening aluminium profiles onto brackets: PERFIX screw 5.5X25 or aluminium/stainless steel rivet 5x12

more products

- PERFIX screw 5.5x25 (code 300 466) or aluminium/stainless steel rivet 5x12 (code 270 540), see page 51
- ISOLALU NDND bracket LR 200, see page 40
- ISOLALU NDND support base LR 200, see page 40

INVISIBLE FASTENING of FLAT PRODUCTS

INVERTED C RAIL LENGTH 3 METRES



ALUMINIUM

6060 T5 aluminium

INVERTED C RAIL

Length (m)	th.	Packaging	Code
3	2	1	611 365

- **Façade application:**
 - Invisible fastening of flat products on façades

STANDARD CLIP



ALUMINIUM

6060 T5 aluminium

STANDARD CLIP

L	th.	Packaging	Code
50	2	1	662 688

- **Façade application:**
 - Invisible fastening of flat products on façades

ADJUSTABLE AND FIXED POINT CLIP



ALUMINIUM

6060 T5 aluminium

ADJUSTABLE CLIP

L	th.	Packaging	Code
50	2	1	662 689

- **Façade application:**
 - Invisible fastening of flat products on façades. The adjustable clip can also be used as a fixed point bracket

more products

- Blind stainless steel screw TB12 / Tx 30 - 6 x 11.5 (code 611 130) see page 45
- Stainless steel hex head metal screw (code 69 288) see page 45
- Stainless steel Perfix hex head screw 5.5x25 (code 300 466), see page 45

INVISIBLE FASTENING of FLAT PRODUCTS

C+ RAIL LENGTH 3 METRES



ALUMINIUM

6063 T66 aluminium

C+ RAIL

Length (m)	th.	Packaging	Code
3	3	1	611 368

- Compliant with the CSTB 3194 technical specifications
 - Product features compliant with standards NF EN 1301-1 and NF EN 755-2
 - Dimensional tolerances compliant with standard NF EN 755-9
- CE marking
 - Compliant with standard NF EN 15088
- Façade application:**
 - The oméga profile is used for secondary frames with FAÇALU profiles
 - Fastening aluminium profiles 2 mm thick onto the aluminium brackets: Aluminium/stainless steel rivet 5x12

STANDARD CLIP



ALUMINIUM

6060 T6 aluminium/
Diamond-shaped hole

STANDARD C+ CLIP

L	th.	Packaging	Code
50	3	1	611 099

- Façade application:**
 - Invisible fastening of flat products on façades

ADJUSTABLE AND FIXED POINT CLIP



ALUMINIUM

6060 T6 aluminium/
Diamond-shaped hole

Adjustable C+ clip

L	th.	Packaging	Code
50	3	1	611 058

- Façade application:**
 - Invisible fastening of flat products on façades. The adjustable clip can also be used as a fixed point bracket

more products

- Blind stainless steel screw TB12 / Tx 30 - 6 x 11.5 (code 611 130) see page 45
- Stainless steel hex head metal screw (code 69 288) see page 45
- Stainless steel Perfix hex head screw 5.5x25 (code 300 466), see page 45

INVISIBLE FASTENING of FLAT PRODUCTS

STANDARD CASSETTE SOLUTION ON FAÇALU PROFILE



ALUMINIUM

6060 T6 aluminium

Aluminium slide
Width 80 mm

Width	Packaging	Code
80	1	605 653

- Compliant with the CSTB 3194 technical specifications
- **Façade application:**
 - The slide is fitted directly by snapping onto the FAÇALU T80/52/2.5 profile and sliding

more products

- FAÇALU T80/52/2.5 profile, see page 35



ALUCOBOND CASSETTE SOLUTION ON OMEGA PROFILE



ALUMINIUM

6060 T6 aluminium

ALUCOBOND slide

Width	Packaging	Code
42	1	605 648

- Compliant with the CSTB 3194 technical specifications
- **Façade application:**
 - The slide is used on the ALUCOBOND OMEGA profile, see below



ALUMINIUM

6063 T66 aluminium

ALUCOBOND OMEGA profile

Length (m)	Packaging	Code
6	1	611 432



6060 T6 aluminium

ALUCOBOND OMEGA profile

Length (m)	Packaging	Code
3	1	611 444

- Compliant with the CSTB 3194 technical specifications

DOMED HEAD SCREW Ø 12 WITH FLAT END - TORX 30 PATTERN



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304

TX30 DOMED HEAD SCREW
A2 SS

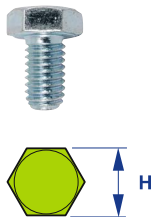
Ø x L	Indentation	Packaging	Code
6 x 9.5	Torx 30	100	611 128
6 x 11.5	Torx 30	100	611 130
6 x 14.5	Torx 30	100	611 132

- Compliant with the CSTB 3194 technical specifications
- Façade application:**
 - Locking screw for standard or adjustable clips on flat façade products

more products

- Inverted C RAIL, see page 42 - Standard CLIP, see page 42 - C+ RAIL, see page 43
- Standard C+ CLIP, see page 43 - TS 200 adjusting bracket (code 611 094), see page 47

HEX HEAD METAL SCREW - DIN 933



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304

HEX HEAD METAL SCREW
A2 SS

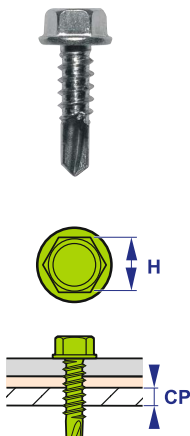
M x L	H	Packaging	Code
6 x 10	10	200	69 288
8 x 25	13	100	69 336

- Compliant with the CSTB 3194 technical specifications
- Façade application:**
 - Setting screw for adjustable clips on inverted C rail or C+ rail

more products

- Inverted C RAIL, see page 42 - Standard CLIP, see page 42 - C+ RAIL, see page 43
- Standard C+ CLIP, see page 43 - TS 200 adjusting bracket (code 611 094), see page 47

HEX HEAD SELF-DRILLING SCREW



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304

PERFIX HH
A2 SS

Ø x L	CP on Alu	H	Packaging	Code
5.5 x 25	1.75 to 3	8	500	300 466

- Compliant with the CSTB 3194 technical specifications
- Façade application:**
 - Locking screw for adjustable clips on inverted C rail or C+ rail

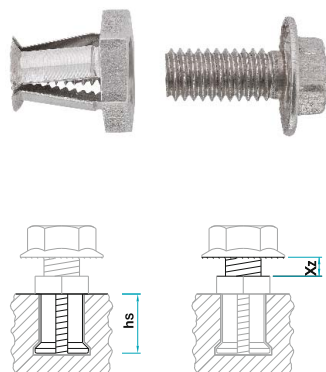
more products

- Standard CLIP, see page 42 - Adjustable CLIP, see page 42
- Standard C+ CLIP, see page 43 - Adjustable C+ CLIP, see page 43

- CP on Alu:** Drilling capacity on aluminium (minimum/maximum)
Pattern: Socket drive - **H:** Hexagonal drive - **L:** Length

INVISIBLE FASTENING of FLAT PRODUCTS

INSERT & SPACER INSERT / UNDERCUT ANCHOR



A4 STAINLESS STEEL

Austenitic stainless steel
A4 Aisi 316

KEIL KHAA 8 MM HEX
HEAD INSERT

hs	M x L	Xz	For cladding	Packaging	Code
5,5	M6 x 10	1,5		500	319 741
5,5	M6 x 11,5	3		500	319 742
7	M6 x 10	0	Corian® / RF Ceram	500	319 744
7	M6 x 11,5	1,5		500	319 745
8,5	M6 x 11,5	0	Rieder®	500	319 750
8,5	M6 x 13	1,5		500	319 748
8,5	M6 x 14,5	3		500	319 749
10	M6 x 13	0	Ductal® Cladia®	500	319 759
10*	M6 x 19	0	Ductal® F (Clad)	500	319 765

(*): For spacer

• Features:

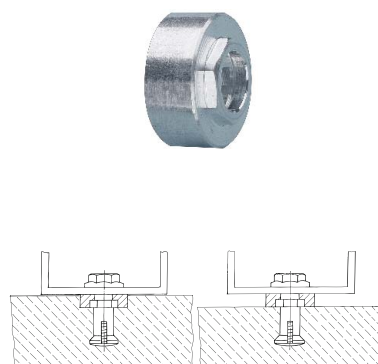
- ETA approvals
 - hs = 5,5 : 03/0055 - 09/0348 - 14/0470 - 16/0096 - 16/0317 - 18/1109 - 19/0547 - 20/0456 - 20/0483 14/0284
 - hs = 7 : 03/0055 - 09/0348 - 14/0470 - 16/0096 - 16/0317 - 18/1109 - 19/0547 - 20/0456 - 20/0483 14/0284 - 06/0253 - 13/0332 - 17/0094 - 13/0377 - 18/0388 - 18/0390 - 16/0979 - 16/0091
 - hs = 8,5 : 14/0413 - 03/0055 - 09/0348 - 14/0470 - 16/0096 - 16/0317 - 18/1109 - 19/0547 - 20/0456 20/0483 - 06/0220 - 14/0284 - 06/0220 - 12/0583 - 20/0322
 - hs = 10 : 03/0055 - 09/0348 - 14/0470 - 16/0096 - 16/0317 - 18/1109 - 19/0547 - 20/0456 - 20/0483 06/0220 - 14/0284 - 06/0220 - 12/0583 - 20/0322
- System tested on over 50 types of panel
- Economic, thin façade panels
- Installation independent of temperature and climate thanks to pre-assembly of the structures in the workshop
- Earthquake tested up to 9.4 on the Richter scale
- Very high load-bearing capacity thanks to even distribution without overloading the façade panel by lateral bracing
- Breakage loads up to seven times higher than edge attachment
- Our clips are compatible with Xz=0 inserts to fasten the bracket

• Façade application:

- Undercut anchor attachment. Allows ventilated façade panels to be installed using concealed fasteners.

- hs: Insertion depth - L: Length - Xz: Tightening thickness

SPACER



ALUMINIUM

3.1645 EN AW-2007 aluminium

SPACER 6/7.5

Ø	SW _A	Approval	Packaging	Code
15	9	ETA-06/0253	100	319 764

• Features:

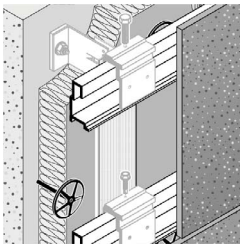
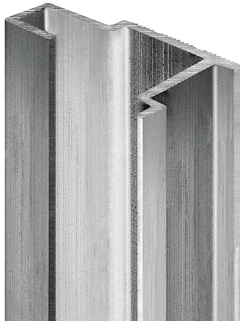
- ETA-06/0253 Approvals

• Façade application:

- No longer any need for different spacers
- To compensate differences in panel thickness, the spacer is mounted in the hole using a calibrated drill bit (+ countersink)
- The spacer creates a reference level at a constant distance from the front face of the panel to attach the bracket
- Only use table-mounted or CNC machines to fit spacers.

- SW_A: space of the wrench without

RAIL TRESPA TS 200



ALUMINIUM

6063 T66 aluminium

TS 200 PROFILE

Length (m)	Packaging	Code
3	1	611 091

• Façade application:

- The TRESPA TS 200 profile is used as a rail

more products

- TS 200 standard bracket (code 611 093), see below
- TS 200 standard bracket (code 611 094), see below
- Stainless steel hex head metal screw 8x25 (code 69 336) see page 45
- Stainless steel Perfix hex head screw 5.5x25 (code 300 466), see page 45

STANDARD BRACKET WITHOUT THREAD

For fastening to the TS 200 standard rail



ALUMINIUM

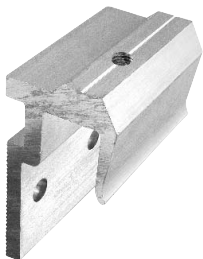
6060 T6 aluminium

TS 200 STANDARD BRACKET

Width	Height	Depth	Th.	Packaging	Code
50	65	30.5	5	1	611 093

ADJUSTABLE BRACKET WITH THREAD

For fastening to the TS 200 standard rail



ALUMINIUM

6060 T6 aluminium

TS 200 ADJUSTABLE
BRACKET

Width	Height	Depth	Th.	Packaging	Code
50	65	30.5	5	1	611 094

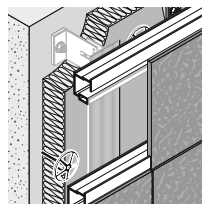
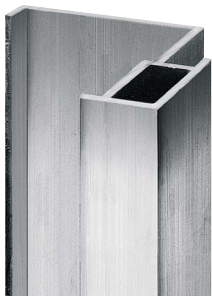
• Façade application:

- Adjustable bracket with thread to fasten the TS 200 standard rail

more products

- Stainless steel hex head metal screw 8x25 (code 69 336) see page 45
- Stainless steel Perfix hex head screw 5.5x25 (code 300 466), see page 45

STARTER RAIL TRESPA TSP 301



ALUMINIUM

6060 T6 aluminium

TSP 301 PROFILE

Length (m)	Packaging	Code
3.6	1	611 101

- **Façade application:**
 - The TRESPA TSP 301 profile is used as a starter profile

RAIL WITH SEAL TRESPA TSP 302



ALUMINIUM

6060 T6 aluminium

TSP 302 PROFILE

Length (m)	Packaging	Code
3.6	1	611 102

- **Façade application:**
 - The TRESPA TSP 302 profile is used as a rail and as an upper stop profile.

PROFILE FOR BUTT-JOINTING TRESPA TSP 305



ALUMINIUM

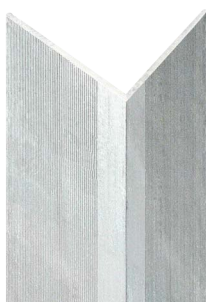
6060 T5 aluminium

TSP 305 PROFILE

Length (m)	Packaging	Code
3.6	1	611 106

- **Façade application:**
 - The TRESPA TSP 305 profile is used to butt-joint the profiles.
To cut on-site into 200 mm lengths by you

STARTER SPLICE BAR TRESPA TSP 306



ALUMINIUM

6060 T5 aluminium

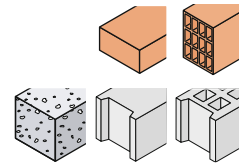
TSP 306 PROFILE

Length (m)	Packaging	Code
6	1	611 107

- **Façade application:**
 - The TRESPA TSP 306 profile is used as a starter splice bar on wood frames.
To cut on-site by you.

ALUMINIUM FRAMES FAÇALU - FAÇALU+ - FAÇALU+ MEDIUM

ISOLALU+ BRACKETS FASTENING TO SUPPORTING WALL



Anchors for HEAVY LOADS				Page	Concrete	Solid material	Hollow material	Diameter	Certification
heavy	Expansion stud (non-cracked concrete)	BARACO FM 753		149	○			10	
	Expansion stud (cracked and non-cracked concrete)	BARACO FM 753 CRACK		150	○			10	

CHEMICAL anchors									
chemical	Chemical sealing of rods in solid and hollow materials	CHIMFORT KEM RANGE		151 to 154	○	○	○	10	

Anchors for MEDIUM LOADS									
medium	Screw-in three-segment expansion anchor	MP3-S MP3-S LARGE		155	○	○	○	10	

For technical data, please refer to Chapter 7 'FASTENINGS'.

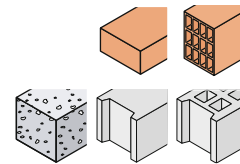


Adapted to the material



Can be suitable (subject to prior testing)

ANCHORING SOLUTIONS



LIGHT anchors				Page	Concrete	Solid material	Hollow material	Diameter	Certification
light	Screw-in polyamide expansion anchor for hollow materials	BLOC		156	○	○	○	10	
	Long plastic anchor for solid and hollow materials (with screw)	MARCOVIS FM-X5 TH FM-X5 CL TH		157	○	○	○	10	
	Plastic anchor for solid and hollow materials (with screw)	MARCOVIS FM-X5s FM-X5s CL		158	○	○	●	10	

Anchors for FASTENING INSULATION									
for insulation	Black drive anchor for flexible insulation	INCO-GAZ		159				15	
	Black drive anchor for flexible insulation	INCO II 8		159				8	
	Drive anchor with nail for flexible and rigid insulation	SUPER ISO II SUPER ISO II LONG	 	160 161				10	
	Drive anchor with nail for flexible and rigid insulation	SUPER ISO II Mt SUPER ISO II LONG Mt	 	160 161				10	
	Drive anchor with nail for flexible and rigid insulation	MAX-ISO	 	162				8	
	Controlled deformation anchor with screw for flexible and rigid insulation	FM-ISOPUS		163				8	

For technical data, please refer to Chapter 7 'FASTENINGS'.



Adapted to the material

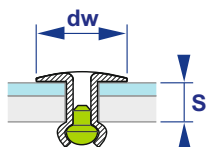


Can be suitable (subject to prior testing)

FASTENING ALUMINIUM PROFILES on ALUMINIUM BRACKETS.

OPEN-END RIVETS

ALUMINIUM RIVET - STAINLESS STEEL MANDREL LARGE NATURAL FLANGE



ALUMINIUM

A2 STAINLESS STEEL

Aluminium / A2
Stainless steel alloy

O.E. RIVET - LF
ALUMINIUM-STAINLESS STEEL



$\emptyset$ x L	d_w	$S_{min.} / S_{max.}$	d_0^*	Packaging	Code
5 x 12	14	4 / 8	5.2	500	270 540

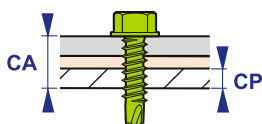
- Compliant with the CSTB 3194 technical specifications

more products

- HSS steel drill bits, see page 200
- Riveters or extender (code 273 330), see pages 201-202
- d_w : Flange diameter - $S_{min.}$: Minimum nominal thickness to be crimped - $S_{max.}$: Maximum nominal thickness to be crimped
- d_0^* : Drilling diameter on the recommended substrate, value provided for information purposes.

SELF-DRILLING SCREW

DRILL TIP (WITHOUT STARTER HOLE) HEX HEAD WITH WASHER FACE



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304
Resistance to corrosion
>30 Kesternich cycles

PERFIX TH/In A2



CP on Alu	$\emptyset$ x L	$CA_{max.}$	H	Packaging	Code
1.75 to 3	5.5 x 19	10	8	500	300 468
1.75 to 3	5.5 x 25	14.1	8	500	300 466

- Compliant with the CSTB 3194 technical specifications
- Façade application:**
 - Fastening on aluminium substrate

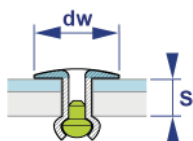
more products

- 8 mm hex head screwdriving socket (code 323 500), see page 195
- Screwdrivers, see page 194
- CP on Alu:** Drilling capacity on aluminium (minimum/maximum)
- $CA_{max.}$: Maximum assembly capacity

FASTENING FLAT PRODUCTS on ALUMINIUM PROFILES.

OPEN-END RIVETS

ALUMINIUM RIVET - STAINLESS STEEL MANDREL LARGE FLANGE



ALUMINIUM

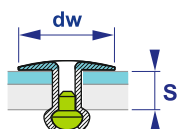
A2 STAINLESS



NATURAL flange Aluminium/A2 Stainless steel alloy		Painted FLANGE Aluminium/A2 Stainless steel alloy	
O.E. RIVET - LF ALUMINIUM-STAINLESS STEEL		O.E. RIVCOLOR - LF ALUMINIUM-STAINLESS STEEL	
Packaging	Code	Packaging	Code
500	270 570	500	270 571
500	270 540	500	270 541
500	270 542	500	270 543

- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening composite panels in compliance with most of the technical assessments delivered to the manufacturers

ALUMINIUM RIVET - STAINLESS STEEL MANDREL EXTRA-LARGE FLANGE



ALUMINIUM

A2 OR A4 STAINLESS



NATURAL flange Aluminium/ A2 or A4 Stainless steel alloy			Painted FLANGE Aluminium/ A2 or A4 Stainless steel alloy		
O.E. RIVET - ELF ALUMINIUM-STAINLESS STEEL			O.E. RIVCOLOR - ELF ALUMINIUM-STAINLESS STEEL		
Ø x L	d _w	S _{min.} / S _{max.}	Packaging	Code A2	Code A4
4.8 x 12	16	6 / 8	500	-	276 960
4.8 x 16	16	10 / 12	500	270 565	276 962
4.8 x 18	16	12 / 14	500	270 567	-
4.8 x 22	16	14 / 17	500	270 569	276 964
5 x 12	16	6 / 8	500	-	276 940
5 x 16	16	10 / 12	500	-	276 942
5 x 18	16	12 / 14	500	-	276 944
5 x 22	16	14 / 17	500	-	276 946

- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening composite panels in compliance with most of the technical assessments delivered to the manufacturers

more products

- Drill centring tool (code 284 000), see page 199
- HSS steel drill bit Ø 5x86 mm (code 282 020), see page 200
- Riveters or extender (code 273 330), see pages 201-202
- Nez de riveteuse spécial plaques de façade (code 611 111), voir page 201

- **d_w**: Flange diameter - **S_{min.}**: Minimum nominal thickness to be crimped - **S_{max.}**: Maximum nominal thickness to be crimped
- **d₀***: Drilling diameter on the recommended substrate, value provided for information purposes.

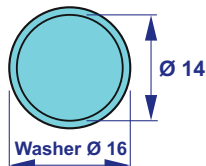
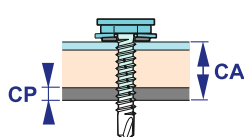
FASTENING FLAT PRODUCTS on ALUMINIUM PROFILES.

SELF-DRILLING SCREW DRILL TIP (WITHOUT STARTER HOLE)

EXTRA FLAT HEAD

AESTHETIC BI-METAL SCREWS

On aluminium and steel substrate



Austenitic stainless steel A4 Aisi 316 L - Case-hardened steel tip + stainless steel Vulca washer (EPDM)				Austenitic stainless steel A4 Aisi 316 L - Case-hardened steel tip + stainless steel Vulca washer (EPDM)			
S-TET BI-METAL/A4L stainless steel + washer Natural head and washer				S-TET BI-METAL/A4L stainless steel + washer Painted head and washer			

CP	Ø x L	CA _{max.}	Head Ø	Vulca	Washer Ø	Packaging	Code	Vulca	Washer Ø	Packaging	Code
2 to 6	5.5 x 26	4	14	SST	16	100	265 105	SST	16	100	265 104
2 to 6	5.5 x 32	10	14	SST	16	100	265 153	SST	16	100	265 154

- Head and stainless steel self-tapping body, drill tip and introduction thread made from zinc-plated case-hardened steel
- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening flat panels on pre-drilled cladding (see technical assessments) on aluminium rail th. 2.5 mm or steel

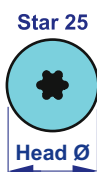
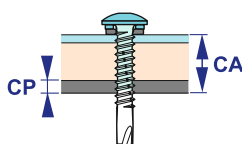
more products

- S-TET Gripp socket + depth stop, see page 195
- Screwdrivers, see page 194

DOMED CYLINDRICAL HEAD

AESTHETIC BI-METAL SCREWS

On aluminium and steel substrate - Pilot tip



NATURAL head Austenitic stainless steel A2 Aisi 304 - Case-hardened steel tip + stainless steel Vulca washer / EPDM Resistance to corrosion > 30 Kesternich cycles				PAINTED head Austenitic stainless steel A2 Aisi 304 - Case-hardened steel tip + stainless steel Vulca washer / EPDM Resistance to corrosion > 30 Kesternich cycles			
DRILLNOX STAR PI TB Natural				DRILLNOX STAR PI TB Painted			

CP	Ø x L	CA _{max.}	Head Ø	Indentation	Vulca	Washer Ø	Packaging	Code	Vulca	Washer Ø	Packaging	Code
1.5 to 3.5	5.5 x 28	7	12	Star 25	-	-	100	372 530	-	-	100	372 530
1.5 to 3.5	5.5 x 28	5	12	Star 25	SST	10	100	372 531	SST	10	100	372 531
1.5 to 3.5	5.5 x 34	14	12	Star 25	-	-	100	373 579	-	-	100	373 579
1.5 to 3.5	5.5 x 34	12	12	Star 25	SST	10	100	373 581	SST	10	100	373 581
1.5 to 3.5	5.5 x 38	12	14.5	Star 25	-	-	100	372 537	-	-	100	372 537
1.5 to 3.5	5.5 x 38	10	14.5	Star 25	SST	10	100	372 538	SST	10	100	372 538

- Head and stainless steel self-tapping body, drill tip and introduction thread made from zinc-plated case-hardened steel
- PI: Pilot tip
- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening flat panels on pre-drilled cladding (see technical assessments) on aluminium rail th. 2.5 mm or steel

more products

- Stainless steel bit holder with magnetic clip (code 323 105), see page 196
- Star 25 screwdriver bit (code 325 050), see page 197
- Screwdrivers, see page 194

- **CP:** Drilling capacity on steel (minimum/maximum) - **CA_{max.}:** Maximum assembly capacity

Pattern: Socket drive

Vulca: Washer material/EPDM - **Washer Ø:** External diameter of the washer

30

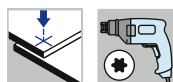
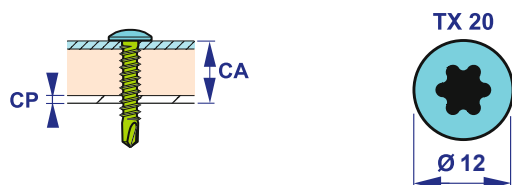
FASTENING FLAT PRODUCTS on ALUMINIUM PROFILES.

SELF-DRILLING SCREW DRILL TIP (WITHOUT STARTER HOLE)

DOMED CYLINDRICAL HEAD

AESTHETIC STAINLESS STEEL SCREW

On aluminium substrate



A2 STAINLESS STEEL



NATURAL head Austenitic stainless steel A2 Aisi 304 Resistance to corrosion > 30 Kesternich cycles		PAINTED head Austenitic stainless steel A2 Aisi 304 Resistance to corrosion > 30 Kesternich cycles	
TORX PANEL ALU TB/In A2 Natural		TORX PANEL ALU TB/In A2 Painted	
Packaging	Code	Packaging	Code
100	33 120	100	33 121
100	33 180	100	33 181

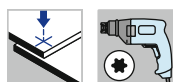
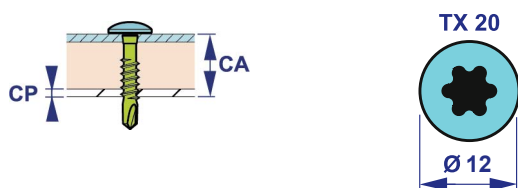
- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening pre-drilled flat cladding panels (see technical assessments) on aluminium rail th. 2.5 mm

more products

- Stainless steel bit holder with magnetic clip (code 323 105), see page 196
- Torx No.20 screwdriver bit (code 325 090), see page 197
- Screwdrivers, see page 194

DOMED CYLINDRICAL HEAD AESTHETIC STAINLESS STEEL SCREW WITH STOP

On aluminium substrate



A2 STAINLESS STEEL



NATURAL head Austenitic stainless steel A2 Aisi 304 Resistance to corrosion > 30 Kesternich cycles		PAINTED head Austenitic stainless steel A2 Aisi 304 Resistance to corrosion > 30 Kesternich cycles	
TORX PANEL ALU P3 FP/A2 SS Natural		TORX PANEL ALU P3 FP/A2 SS Painted	
Packaging	Code	Packaging	Code
100	33 153	100	33 164

- Shades: ETANCO colour chart, see pages 18 to 21
- **Façade application:**
 - Fastening façade panels th. 4 mm on aluminium frames (without clamping)

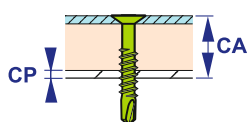
more products

- Stainless steel bit holder with magnetic clip (code 323 105), see page 196
- Torx No.20 screwdriver bit (code 325 090), see page 197
- Screwdrivers, see page 194

- **CP:** Drilling capacity on steel (minimum/maximum) -
- **CA_{max}:** Maximum assembly capacity
- **CS_{max}:** Maximum tightening capacity
- **Pattern:** Socket drive
- **Vulca:** Washer material/EPDM - **Washer Ø:** External diameter of the washer

FASTENING FLAT PRODUCTS on ALUMINIUM PROFILES.

SELF-DRILLING SCREW DRILL TIP (WITHOUT STARTER HOLE) COUNTERSUNK HEAD - TORX PATTERN *For fibre-cement slats*



A2 STAINLESS STEEL

A2-50 austenitic stainless steel

VBU AP TF Tx20/A2 SS



CP on Alu	Ø x L	CA _{max.}	Head Ø	Indentation	Packaging	Code
1.5 to 3.5	4.5 x 30	21	8.6	Tx 20	200	306 132

• Façade application:

- Fastening fibre-cement slats on aluminium rails th. 2.5 mm

more products

- Stainless steel bit holder with magnetic clip (code 323 105), see page 196
- Torx No.20 screwdriver bit (code 325 090), see page 197
- Screwdrivers, see page 194

- **CP:** Drilling capacity on steel (minimum/maximum) -

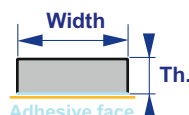
CA_{max.}: Maximum assembly capacity

Pattern: Socket drive

Vulca: Washer material/EPDM - **Washer Ø:** External diameter of the washer

POLYETHYLENE ADHESIVE SEAL WITH CLOSED CELLS

Roll



Black polyethylene foam, adhesive

LRC

Width x Max.	Length Roll (m)	Nbr. rolls	Box (m) *	Code
50 x 3	30	6	180	434 140

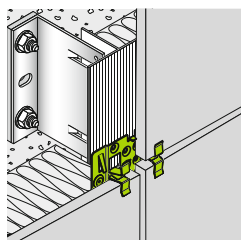
(*) Non-divisible box

- LRC is a coiled reticulated closed-cell polyethylene foam seal.
- Density: 25 kg/m³
- Temperature of use: - 80° C to + 100° C
- Technical datasheet upon request
- Other sections and M1 classification upon request
- **Application:**
 - Acts as an electrolytic barrier between the aluminium profile and the steel façade sheet.
 - Excellent insulation properties and resistance to chemical agents. Weatherproof, with good mechanical resistance.
 - Compatible with polycarbonate. The adhesive part must not come into contact with the polycarbonate. Fireproof, M1 fire rating (flammable) on certain sizes.

BASIC SYSTEM

WITH SEPARATE CLIP TO CLIP ON - NOT MOUNTED

For façade tile thickness 10.5 mm



STAINLESS STEEL

Austenitic stainless steel
Aisi 301 E2

AL'AGRAFE CENTRAL NM

Model	Quality	For tile th.	Packaging	Code
Base only	Natural stainless steel	10.5	100	366 931
Clip	Natural stainless steel	10.5	100	366 933
Clip	Painted stainless steel	10.5	100	366 937

- Basic system to which the retaining clip for the façade tile clips on
- AL'AGRAFE for tiles, other thicknesses upon request. Contact us.
- Each AL'AGRAFE is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

BASIC SYSTEM

WITH SEPARATE CLIP TO CLIP ON - NOT MOUNTED

For façade tile thickness 10.5 mm



STAINLESS STEEL

Austenitic stainless steel
Aisi 301 E2

AL'AGRAFE START & END NM

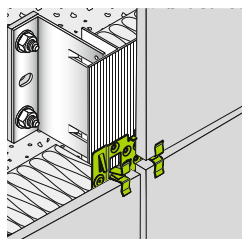
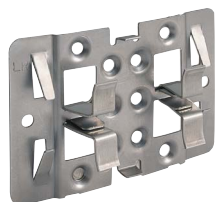
Model	Quality	For tile th.	Packaging	Code
Base only	Natural stainless steel	10.5	100	366 911
Clip	Natural stainless steel	10.5	100	366 913
Base only	Painted stainless steel	10.5	100	366 916
Clip	Painted stainless steel	10.5	100	366 917

- Basic system to which the retaining clip for the façade tile clips on
- AL'AGRAFE for tiles, other thicknesses upon request. Contact us.
- Each AL'AGRAFE is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

BASIC SYSTEM WITH PREMOUNTED CLIP *For façade tile thickness 10.5 mm*



STAINLESS STEEL

Austenitic stainless steel
Aisi 301 E2

AL'AGRAFE CENTRAL MOUNTED

Model	Quality	For tile th.	Packaging	Code
Base + clip	Natural stainless steel	10.5	100	366 940
Base + clip	Painted stainless steel*	10.5	100	366 941

(*) Painted black base - Painted clip, all RAL shades

- AL'AGRAFE for tiles, other thicknesses upon request. Contact us.
- Each AL'AGRAFE is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

BASIC SYSTEM WITH ONE-PIECE CLIP *For façade tile thickness 10.5 mm*



STAINLESS STEEL

Austenitic stainless steel
Aisi 301 E2

AL'AGRAFE 1/2

Model	Quality	For tile th.	Packaging	Code
One-piece	Natural stainless steel	10.5	100	366 952
One-piece	Painted stainless steel	10.5	100	366 953

- AL'AGRAFE for tiles, other thicknesses upon request. Contact us.
- Each AL'AGRAFE is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

BASIC SYSTEM WITH PREMOUNTED CLIP For façade tile thickness 10.5 mm



STAINLESS STEEL

Austenitic stainless steel
Aisi 301 E2

AL'AGRAFE START & END MOUNTED

Model	Quality	For tile th.	Packaging	Code
Base + clip	Natural stainless steel	10.5	100	366 920
Base + clip	Painted stainless steel*	10.5	100	366 921

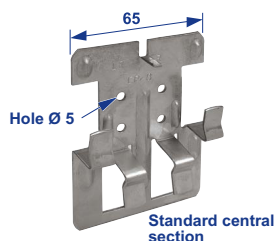
(*) Painted black base - Painted clip, all RAL shades

- AL'AGRAFE for tiles, other thicknesses upon request. Contact us.
- Each AL'AGRAFE is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

STAMPED PLATE REDUCED WIDTH 65 mm WITH RETAINING LUGS Profiles the same thickness as the façade panel



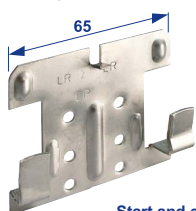
Standard central section



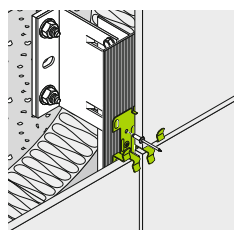
Half-left



Half-right



Start and end



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304 - Th. 10/10th

PAT'AGRAF PR 65

Model	Quality	For tile th.	Packaging	Code
Central standard section	Natural stainless steel	8	100	366 810
Central standard section	Natural stainless steel	11	100	366 564
Central standard section	Painted stainless steel*	8	100	366 815
Central standard section	Painted stainless steel*	11	100	366 565
Half-left	Natural stainless steel	8	100	366 820
Half-left	Natural stainless steel	11	100	366 584
Half-left	Painted stainless steel*	8	100	366 825
Half-left	Painted stainless steel*	11	100	366 585
Half-right	Natural stainless steel	8	100	366 830
Half-right	Natural stainless steel	11	100	366 604
Half-right	Painted stainless steel*	8	100	366 835
Half-right	Painted stainless steel*	11	100	366 605
Start and end	Natural stainless steel	8	100	366 840
Start and end	Natural stainless steel	11	100	366 624
Start and end	Painted stainless steel*	8	100	366 845
Start and end	Painted stainless steel*	11	100	366 625

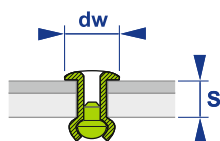
(*) Fully painted part: All RAL shades

- Each PAT'AGRAF is used with 2 rivets
- **Façade application:**
 - Fastening façade tiles, thickness 10.5 mm, on aluminium frames

more products

- All stainless steel 4x8 rivet (code 273 490), see page 59
- HSS steel drill bit Ø 4.2 (code 281 991), see page 200

STAINLESS STEEL RIVET - STAINLESS STEEL MANDREL STANDARD FLANGE



A2 STAINLESS STEEL

Austenitic stainless steel
A2 Aisi 304

O.E. RIVET
ALL STAINLESS STEEL



Ø	x	L	d _w	S _{min.} / S _{max.}	d ₀ *	Packaging	Code
4	x	8	8	2 / 4	4.2	500	273 490

- Flange painted upon request. Contact us.

more products

- HSS steel drill bits Ø 4.2 (code 281 991), see page 200
- Riveters or extender (code 273 330), see pages 201-202

- **d_w**: Flange diameter - **S_{min.}**: Minimum nominal thickness to be crimped
S_{max.}: Maximum nominal thickness to be crimped - **d₀***: Drilling diameter on the recommended substrate, value provided for information purposes.