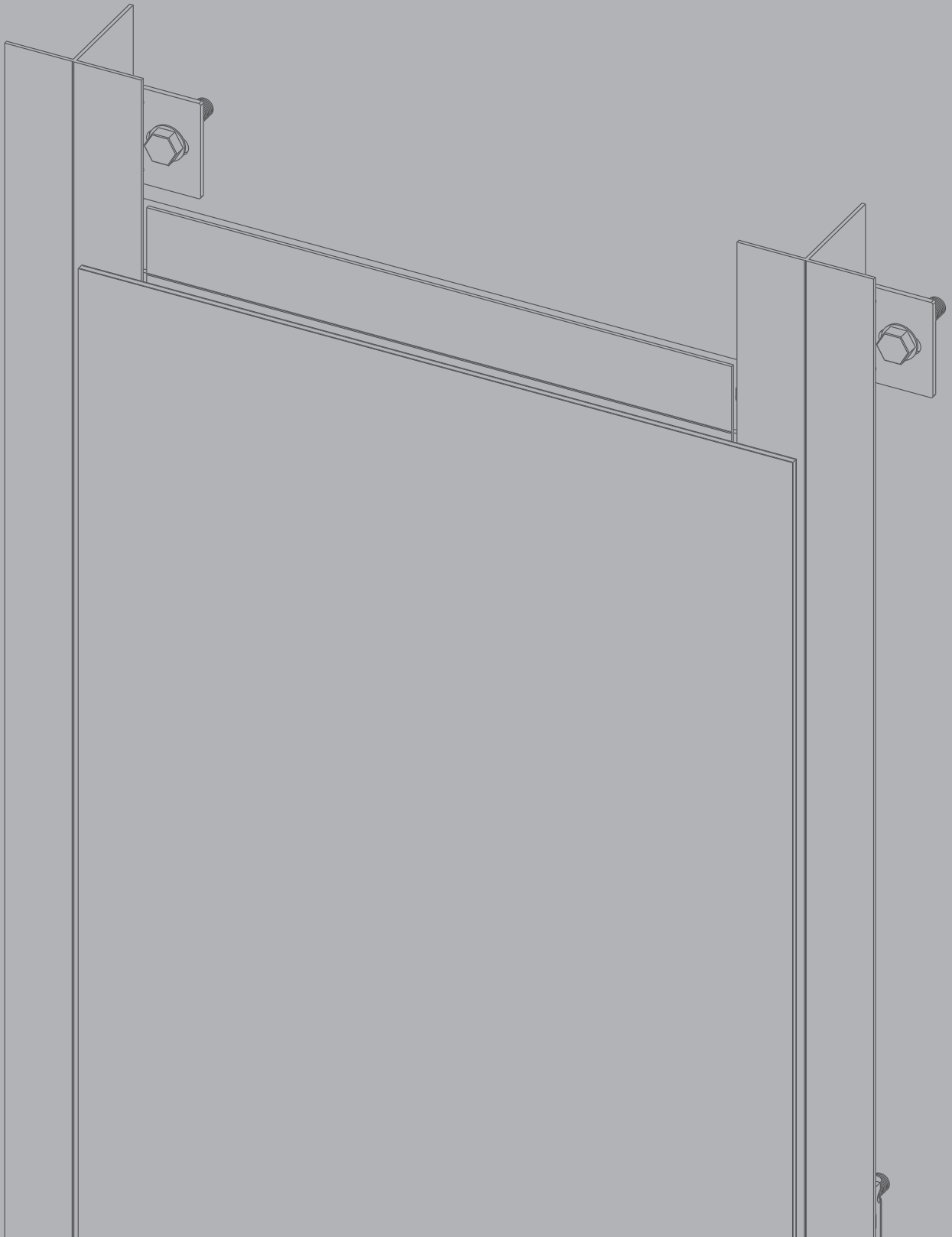


STB-T-PEG

GLUED SYSTEM



STB-T-PEG SYSTEM

DESCRIPTION



STB-PEG is a kit system based on flat panels made from **STACBOND® composite panel for installing ventilated facades**. It is a system with hidden fixings which is quick and economic to install and which allows both horizontal and vertical assembly.

As this is a glued system with chemical anchoring, it is resistant to aging and weathering; it absorbs vibration and allows numerous possibilities in facade design.

The substructure employs **profiles T** and **spacers L** in 6063 T5 aluminium alloy.

For the thermal break, **STAC®** has developed specific **INSULATING WEDGES** to place between the spacers L and the vertical face.

The spacers are anchored to the wall using special mechanical fixings, recommended in each case by the fixings suppliers, and receive the T profiles as uprights.

The **STB-T-PEG** system can be mounted on a unidirectional or bidirectional substructure. With a unidirectional substructure, the horizontal joint remains open. In the case of the bidirectional substructure, horizontal struts are attached to the uprights using **spacers angular** made of 6063 T5, or to the vertical face using spacers L.

STACBOND® composite panels are attached to the substructure consisting of vertical and (where used) horizontal profiles using a specific adhesive and double-sided adhesive tape, in accordance with the manufacturer's instructions.

STAC® has developed a program for the specific calculations of the substructure for each project executed, defining the maximum distances between uprights.



SPACERS L



PROFILES T

1. Spacers L to fix the profile to the facade. The spacers L join the profile T to the vertical face or support wall and are used to overcome irregularities in the plumbness of the facade. They are either retaining or supporting. **Insulating wedges** can optionally be installed to act as thermal bridge breaks.

2. The profiles T are screwed to the spacers L. They must be perfectly plumb with the adjustment that the system allows. The first and last fixings to the face must be placed at a maximum of 250 mm from the ends of the profile.



HORIZONTAL PROFILES T



GLUING THE STACBOND COMPOSITE PANEL

3. Horizontal cross-struts (optional). These profiles are mechanically fixed to the vertical substructure using the **spacers angular**, or to the base wall using spacers L. The possibility of creating a bidirectional substructure allows the system to adapt to the requirements of the facade.

4. Attaching STACBOND® composite panel. Once the substructure is in place, the **STACBOND®** panels are attached to it using double-sided adhesive tape and adhesive, following the manufacturer's instructions.cante.

STB-T-PEG SYSTEM

AUXILIARY ELEMENTS

SPACER ANGULAR

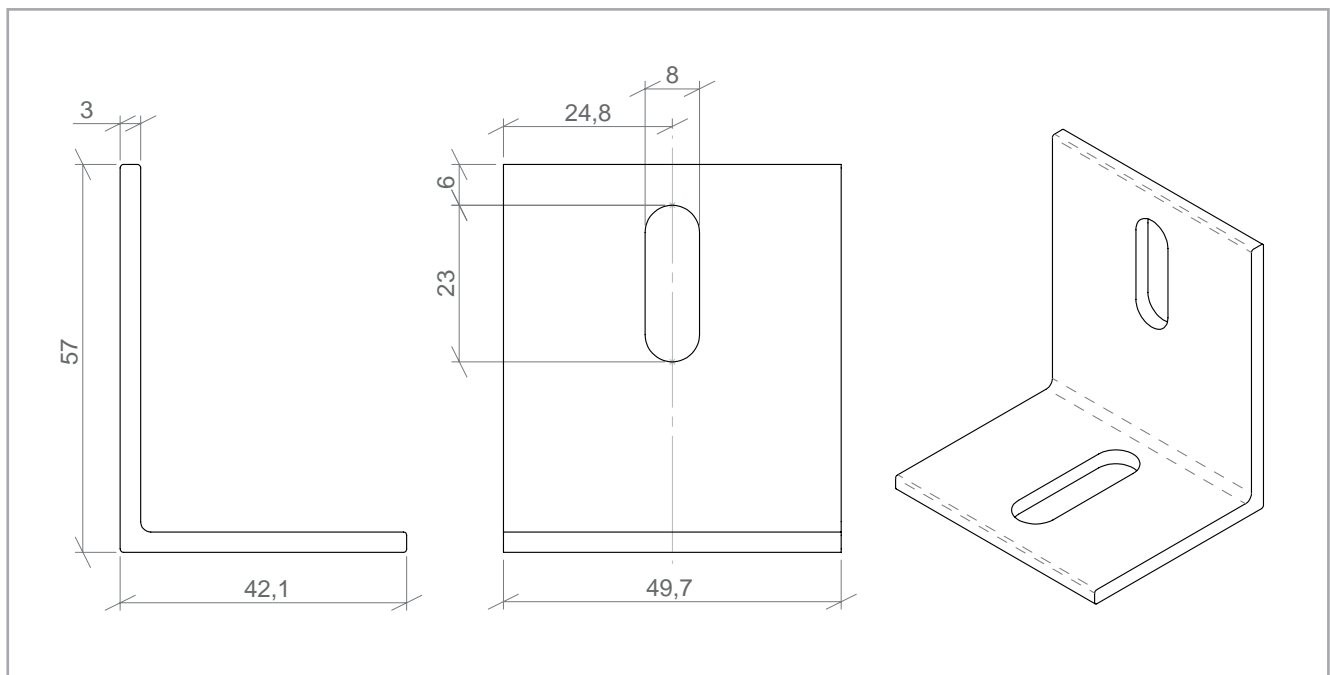
Part made of extruded 6063 T5 aluminium alloy profile (3 mm) with holes for fixing to the upright and cross-strut profiles T.

This accessory allows profiles T to be attached horizontally to the vertical substructure, reducing the number of fixings to the base wall.

Fixing of these spacers is done using \varnothing 4.8 mm blind rivets or \varnothing 4.8 mm self-tapping screws. These coupling parts are compatible with possible dilation of the substructure.



REFERENCE	DESCRIPTION	UNITS/BOX
19.021	SPACER ANGULAR	100



Measurements in mm



1. Cleaning the substructure. The substructure must be clean, dry, homogenous, and free of oil, grease, dust and loose particles. Any paint, grout or other substances must be removed.

Precautions:

- Clean the surface with a damp paper towel, moving in one single direction, as if sanding. Solvents must never be used.
- For cleaning and degreasing, SIK-AVIATOR-205 or similar is used. It should be left to evaporate for 10 minutes minimum.

2. Priming the area. Priming should be done with a product which strengthens the adherence of the adhesive to the substructure – SIKATACK PANEL PRIMER or similar.

Precautions:

- Once hardened, the primers can only be removed via mechanical means.
- The primer leaves a heterogeneous film. Only those surfaces which are to be glued should be treated.
- The evaporation times of the cleaning products must be adhered to (30 – 60 mins).

3. Applying the double-sided adhesive tape. The double-sided adhesive tape – SIKATACK PANEL-3 or similar – is used to initially attach the panels until the main adhesive polymerizes and also ensures the minimum adhesive thickness of 3 mm. This absorbs and possible vibration or dilation produced in the STACBOND® composite panel facade. The long-term strength is only achieved with the adhesive.

4. Elastic adhesive. Apply a continuous vertical bead of elastic adhesive – SIKATACK PANEL or similar – using a triangular nozzle (8 mm wide x 10 mm long), at least 5 mm away from the adhesive tape. To ensure correct application, the gun should be positioned perpendicular to the support.

Precautions:

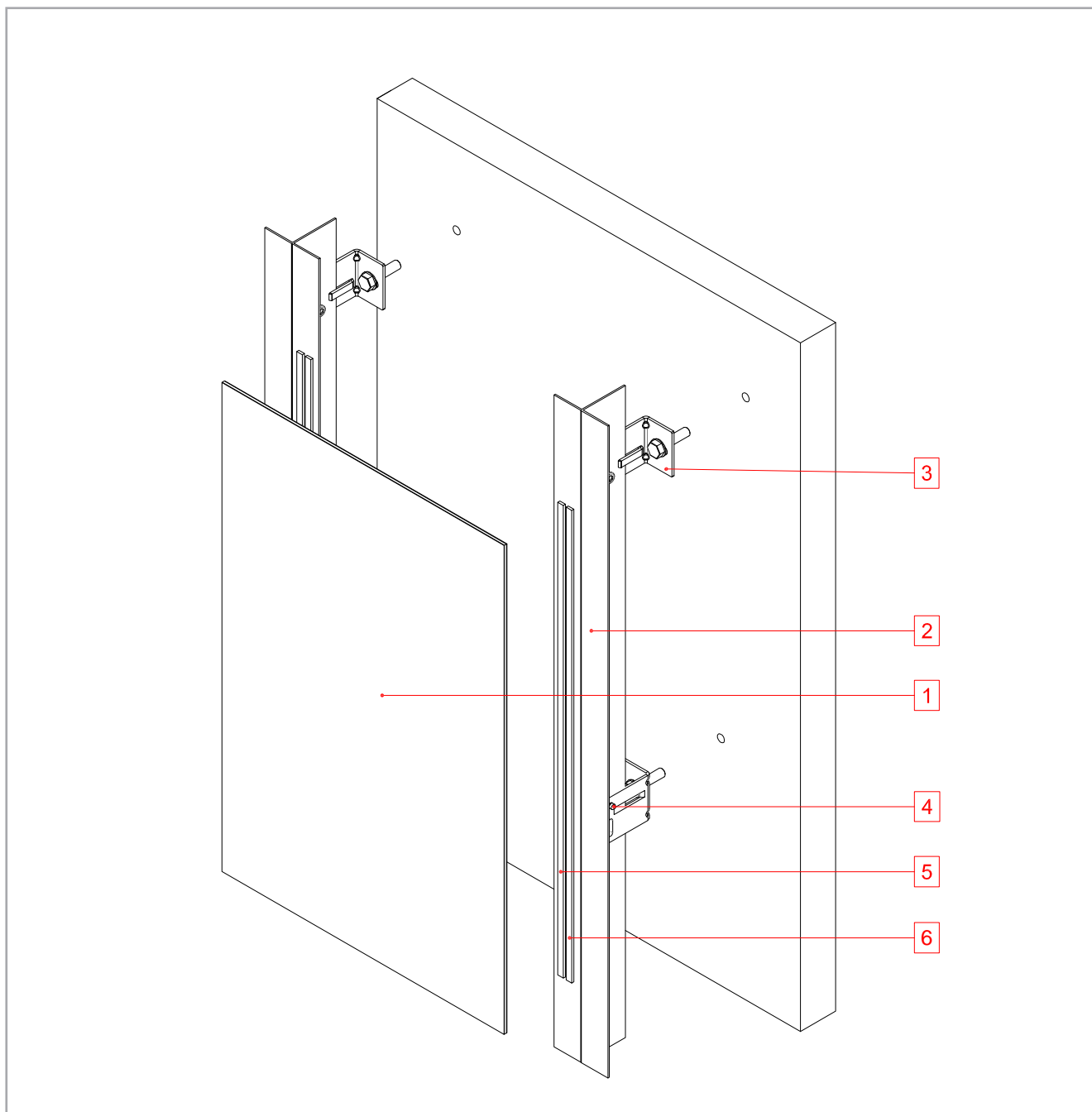
- The application of adhesive bead on the cross-struts of the substructure does not offer any structural function.

5. Placing the panel. Remove the protective film from the double-sided adhesive tape. Carefully place the panel in position precisely and press firmly until the panel contacts the double-sided adhesive tape.

Always follow the panel manufacturer's instructions for their storage. Avoid exposure to heat and direct sunlight prior to gluing the panels.

STB-T-PEG SYSTEM

INSTALLATION DIAGRAM

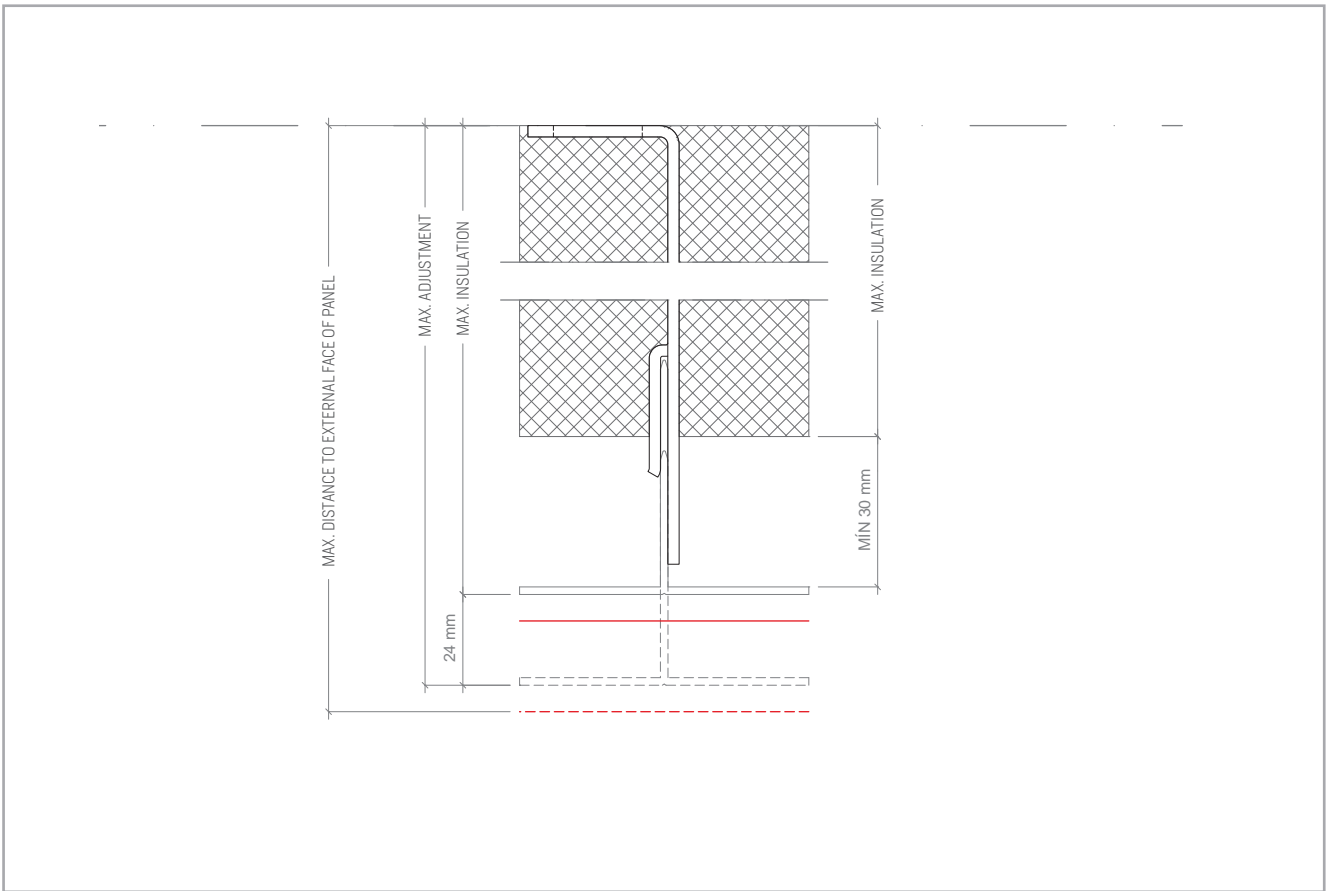


N° NAME

- | | |
|---|----------------------------|
| 1 | STACBOND® composite panel |
| 2 | Profile T |
| 3 | Spacer L |
| 4 | Self-tapping screw |
| 5 | Specific adhesive |
| 5 | Double-sided adhesive tape |

STB-T-PEG SYSTEM

SPACER / THERMAL INSULATION RELATIONSHIP



SPACER L * ST-1-55		DISTANCE (mm) FROM BASE OF FIXING TO VISIBLE FACE OF PANEL		RECOMMENDED INSULATION (mm) WITH 30 mm AIR CAVITY
REF.	PART	MIN.	MAX	
05.19.041	SPACER L 68 ST-1-55	83	107	40
05.19.044	SPACER L 92 ST-1-55	107	131	80
05.19.051	SPACER L 116 ST-1-55	131	155	100
05.19.052	SPACER L 140 ST-1-55	155	179	120
05.19.053	SPACER L 164 ST-1-55	179	203	140
05.19.054	SPACER L 188 ST-1-55	203	227	160
05.19.055	SPACER L 212 ST-1-55	227	251	200
05.19.056	SPACER L 236 ST-1-55	251	275	220

SPACER L * ST-2-120		DISTANCE (mm) FROM BASE OF FIXING TO VISIBLE FACE OF PANEL		RECOMMENDED INSULATION (mm) WITH 30 mm AIR CAVITY
REF.	PART	MIN.	MAX	
05.19.042	SPACER L 68 ST-2-120	83	107	40
05.19.045	SPACER L 92 ST-2-120	107	131	80

STB-T-PEG SYSTEM

ACCESSORIES

PROFILES

REF.	PART	PAGE
05.19.043	PROFILE T	106

SPACERS

REF.	PART	PAGE
05.19.041	SPACER L 68 ST-1-55	109
05.19.044	SPACER L 92 ST-1-55	
05.19.051	SPACER L 116 ST-1-55	
05.19.052	SPACER L 140 ST-1-55	
05.19.053	SPACER L 164 ST-1-55	
05.19.054	SPACER L 188 ST-1-55	
05.19.055	SPACER L 212 ST-1-55	
05.19.056	SPACER L 236 ST-1-55	
05.19.042	SSPACER L 68 ST-2-120	
05.19.045	SPACER L 92 ST-2-120	





AUXILIARY ELEMENTS

REF.	PART	PAGE
19.021	SPACER ANGULAR	110

INSULATING WEDGES

REF.	PART	PAGE
05.19.070	3 x GROOVE WASHER FOR INSULATING WEDGES WITH REF.: 05.19.066 / 05.19.068 / 05.19.072	115
05.19.066	INSULATING WEDGE FOR SPACERS L * ST-2-120 WITH REF.: 05.19.042 / 05.19.045	
05.19.068	INSULATING WEDGE FOR SPACERS L * ST-1-55 WITH REF.: 05.19.053 / 05.19.054 / 05.19.055 / 05.19.056	
05.19.072	INSULATING WEDGE FOR SPACERS L * ST-1-55 WITH REF.: 05.19.041 / 05.19.044 / 05.19.051 / 05.19.052	

INFORMATION AND SALES

-  (+34) 981 817 036
-  (+34) 981 817 037
-  stacbond@stac.es
-  www.stac.es