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Ardıç Elektrik

Solar Montage Systems



Daha İleriye, En İyiyeye...



SOLAR PANEL MONTAGE SYSTEMS

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What is Solar Panel?

To create a solar panel, solar cells must be connected to each other.

Solar cells can only produce enough energy when they are turned into a panel. A solar panel is the first conceivable equipment of a system that converts the sun's rays into electrical energy. It converts the sun's rays directly into electrical energy. It does this thanks to photovoltaic(PV) cells made of selenium. The sun's rays come into these cells and a direct current begins to form. The amount of energy is measured according to the season and location and the device is installed according to it. The first thing that comes to your mind when you say solar energy is usually these panels. There are varieties according to the amount of energy you want to produce. After selecting the type and quantity of panels that are suitable for you, other necessary materials are determined. These are the battery that allows you to store your energy, the charge controller and the inverter that provides Dec between them.

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The Importance of Effective Use of Solar Energy

**Solar energy systems, which began to develop after the 70s,
can produce up to 30% of the energy from the sun's rays.**

The rapidly depleting oil resources in the world have led to new searches in the energy sector, which has accelerated the work on the use of alternative energy sources and reducing oil consumption. In order to reduce oil consumption and prevent potential energy crises that may occur in the future, systems producing electricity from solar energy have been developed today.

Solar energy is the main source of electrical energy produced by the sun's rays coming from the sun to the Earth. It is also called solar energy.

According to the global energy report of the London-based think tank Ember, known for its work in the fields of climate and energy, wind and solar set a record by meeting a tenth of global electricity generation in 2021.

- It is a budget application for the long term. It is a reliable and cost-effective energy source.
- It is an environmentally friendly energy source.
- Excess energy can be used as a source of income.
- It has an Easy and Flexible installation structure. If desired, it can be dismantled and used in another region.





Land Applications

LANF APPLICATIONS/ RAMMING GROUND APPLICATIONS



- It is used on soils suitable for framing.
- The depth of ramming may vary depending on the soil structure and static and dynamic loads in the project area.
- The use of high-quality raw materials and the production stage, and then with precise quality controls, minimizes product deformations in the ramming process.
- It offers the advantage of fast and easy installation with its advanced engineering and design. In this way, it provides significant savings in labor cost.



LANF APPLICATIONS / CONCRETE FLOOR APPLICATION



- It is used on floors that are not suitable for hammering.
- Concrete floor dimensions may vary according to the project.
- It minimizes the product deformations in the fastening process with the use of high quality raw materials and sensitive quality controls during and after the production phase.
- It offers the advantage of fast and easy installation with its advanced engineering and design. In this way, it provides significant savings in labor costs.



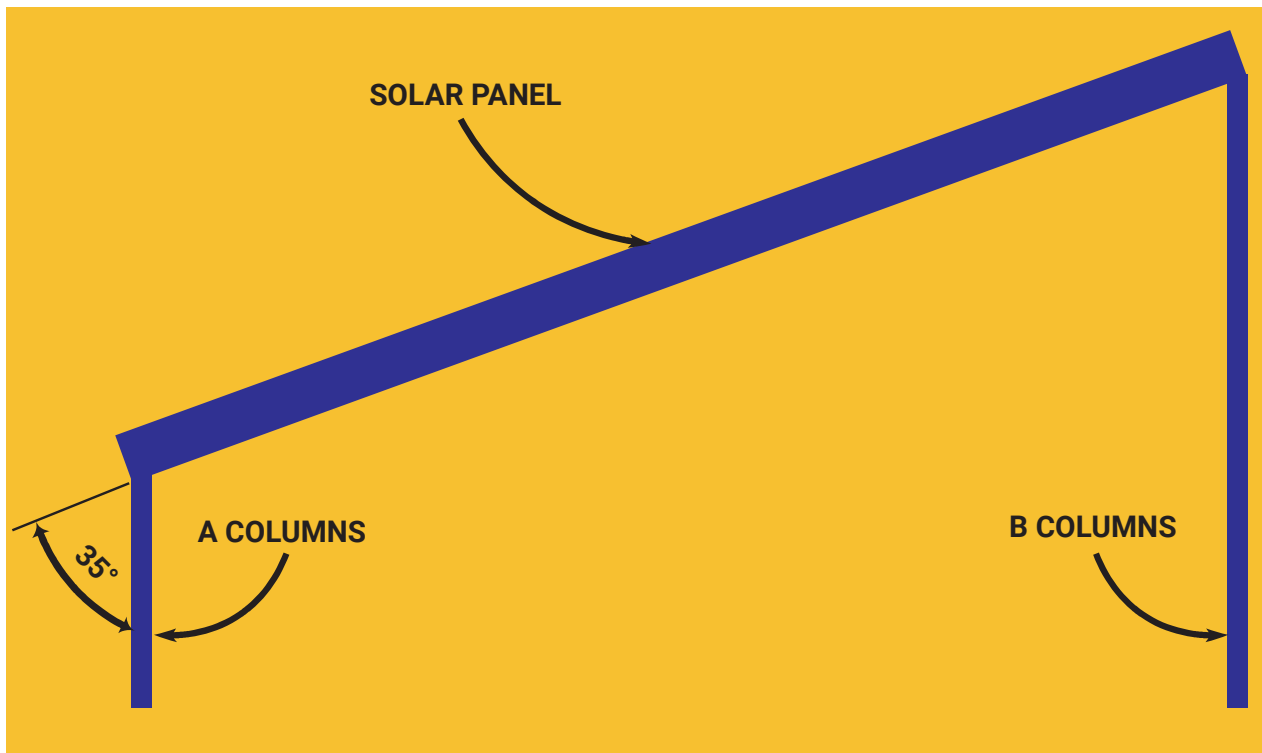
TECHNICAL INFORMATION

In order for solar energy systems to work efficiently throughout the year, the direction and tilt angle of the solar panels must be determined correctly. Since our country is located in the Northern hemisphere, the solar panels are oriented towards the South. The tilt angle of the solar panels varies according to the location where the system will be installed.

There are several ways to calculate the angle of inclination to make the most of solar energy throughout the year. The latitude value of the location can be converted to the required tilt angle with the help of various formulas. Turkey is located between 36-42 degrees North latitude and 26-45 degrees East longitude. The distance from any point to the equator is called latitude. Every city in our country has a different latitude. As a result, the optimum tilt angle of the solar panel will be different for each city.

The optimum angle of inclination varies between 35-40 degrees depending on where the solar panel will be mounted within the borders of our country. The table below shows the calculations made to apply constant panel slope throughout the year. The latitude value of the city is in the third column of the table, and the recommended slope angle is in the fourth column.

TILT ANGLE	A COLUMNS	B COLUMNS	FOR 2 PANELS
15°	650	3050 MM	4100 MM
25°	650	2380 MM	4100 MM
35°	650	1710 MM	4100 MM
15°	1000 MM	3350 MM	4100 MM
25°	1000 MM	2750 MM	4100 MM
35°	1000 MM	2050 MM	4100 MM



Technical Information
Angle Values

Serial No	City Name	Latitude	Tilt Angle
1	Adana	37,0	35
2	Adıyaman	37,8	36
3	Afyonkarahisar	38,8	37
4	Ağrı	39,6	38
5	Aksaray	38,4	36
6	Amasya	40,6	38
7	Ankara	39,9	38
8	Antalya	36,9	35
9	Ardahan	41,1	39
10	Artvin	41,2	39
11	Aydın	37,9	36
12	Balıkesir	39,6	38
13	Bartın	41,6	39
14	Batman	37,9	36
15	Bayburt	40,3	38
16	Bilecik	40,1	38
17	Bingöl	39,1	37
18	Bitlis	38,4	37
19	Bolu	40,6	38
20	Burdur	37,5	36
21	Bursa	40,3	38
22	Çanakkale	40,2	38
23	Çankırı	40,6	38
24	Çorum	40,6	38
25	Denizli	37,8	36
26	Diyarbakır	37,9	36
27	Düzce	40,8	39
28	Edirne	41,7	39
29	Elazığ	38,7	37
30	Erzincan	39,8	38
31	Erzurum	39,9	38
32	Eskişehir	39,8	38
33	Gaziantep	37,1	35
34	Giresun	40,9	39
35	Gümüşhane	40,4	38
36	Hakkari	37,6	36
37	Hatay	36,4	35
38	Iğdır	39,9	38
39	Isparta	37,8	36
40	İstanbul	41,0	39
41	İzmir	38,4	37
42	Kahramanmaraş	37,6	36
43	Karabük	41,2	39
44	Karaman	37,2	35
45	Kars	40,6	38
46	Kastamonu	41,4	39
47	Kayseri	38,7	37
48	Kırıkkale	39,8	38
49	Kırklareli	41,7	39
50	Kırşehir	39,1	37

Technical Information
Angle Values

Serial No	City Name	Latitude	Tilt Angle
51	Kilis	36,7	35
52	Kocaeli	40,9	39
53	Konya	37,9	36
54	Kütahya	39,4	37
55	Malatya	38,4	36
56	Manisa	38,6	37
57	Mardin	37,3	36
58	Mersin	36,8	35
59	Muğla	37,2	35
60	Muş	38,9	37
61	Nevşehir	38,7	37
62	Niğde	38,0	36
63	Ordu	41,0	39
64	Osmaniye	37,2	35
65	Rize	41,0	39
66	Sakarya	40,7	39
67	Samsun	41,3	39
68	Siirt	37,9	36
69	Sinop	42,0	40
70	Sivas	39,7	38
71	Şanlıurfa	37,2	35
72	Şırnak	37,4	36
73	Tekirdağ	41,0	39
74	Tokat	40,3	38
75	Trabzon	41,0	39
76	Tunceli	39,3	37
77	Uşak	38,7	37
78	Van	38,5	37
79	Yalova	40,7	38
80	Yozgat	39,8	38
81	Zonguldak	41,5	39

This Type of Solar System Mounting Application is suitable for hard ground and concrete ground.

The fastening process to the floor is carried out by drilling a fastening nut into the base.

Page 14 (ASKP-10-355020)

BEAMS

C Profile

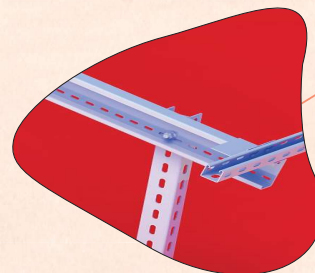
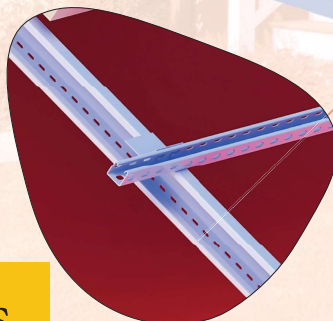
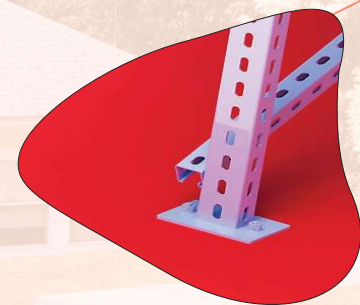
100X40X2.0

Page 16 (BAAK-1400)

Columns

U Profile

1400X65X3.0



Land Applications
Concrete Floor



Page 47 (AOBA-2836)

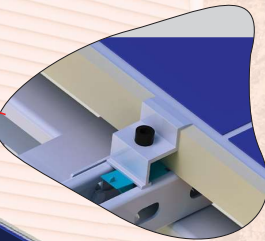
Middle Panel Connection Device

Aluminium

Page 47 (AKBA-2836)

External Panel Connection Device

Aluminium



Page 16 (BAAK-700)

COLUMNS

U Profile

1400X65X3.0

Page 17 (AAS-152500)

The Hangers

C Profile

41X41X15

The Process of Fixing to the Floor Is Carried Out by Ramming the Column into the Floor.

This Type of Solar System Installation Application is Applicable for Soft Floor and Dirt Floor.

Page 14 (ASKP-10-355020)

BEAMS

C PROFILE

100X40X2.0

Page 16 (TAAK-300077)

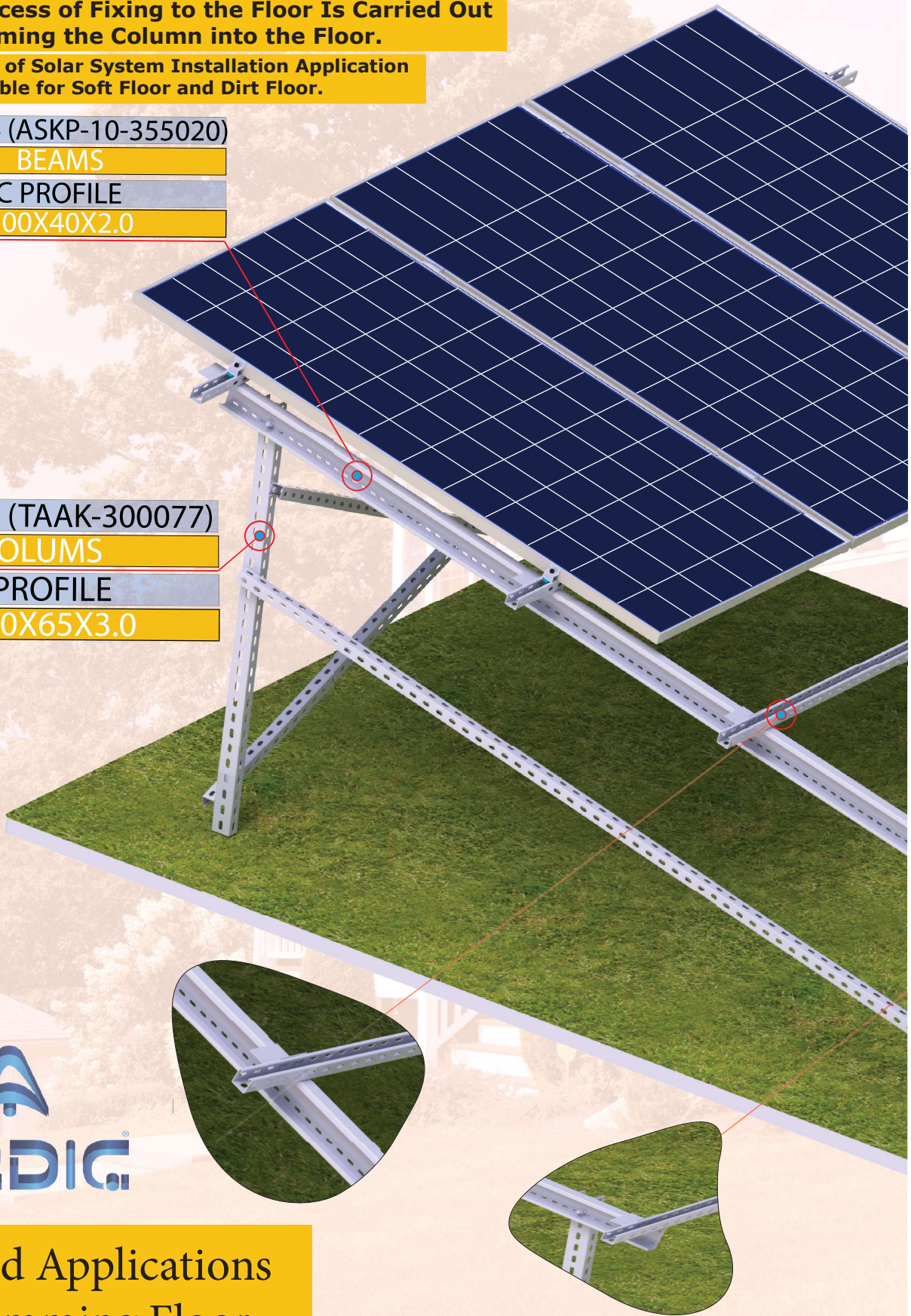
COLUMNS

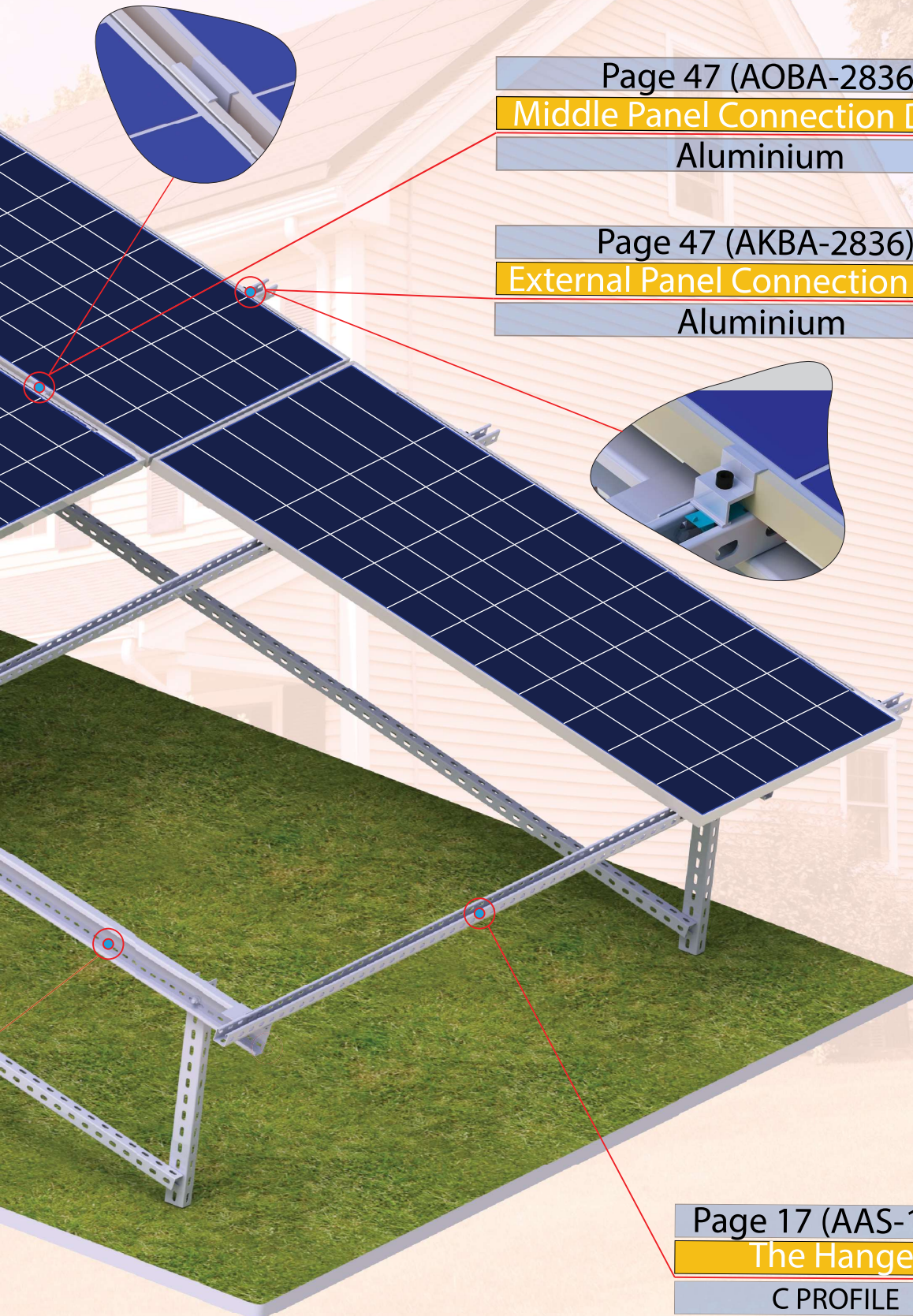
U PROFILE

1400X65X3.0



**Land Applications
Ramming Floor**





Page 47 (AOBA-2836)

Middle Panel Connection Device

Aluminium

Page 47 (AKBA-2836)

External Panel Connection Device

Aluminium

Page 17 (AAS-152500)

The Hangers

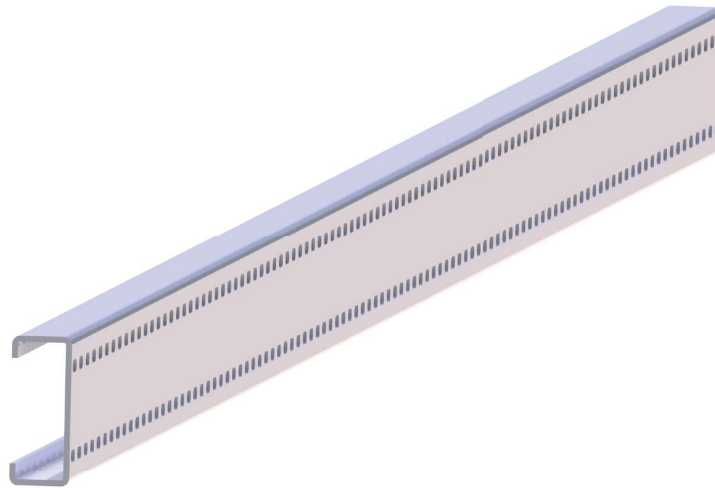
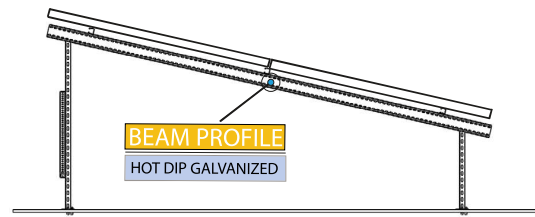
C PROFILE

41X41X15

Beams

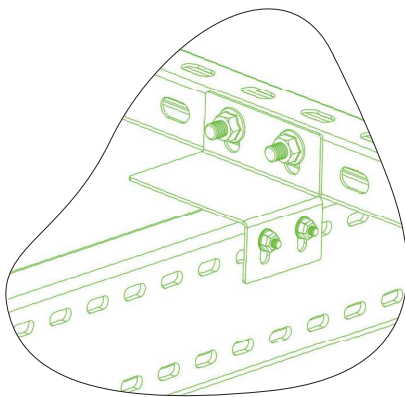
BEAM PROFILE (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ASKP-10-355020	1010ASKP10355020	100	3550	2.0
ASKP-10-355025	1010ASKP10355025	100	3550	2.5
ASKP-12-355020	1010ASKP12355020	120	3550	2.0
ASKP-12-355025	1010ASKP12355025	120	3550	2.5



BEAM HANGER PROFILE (Hot Dip Galvanised)

Order Code	Stock Code	H mm	T mm
ASKAB-80-20	1010ASKAB8020	80	2.0
ASKAB-80-25	1010ASKAB8025	80	2.5



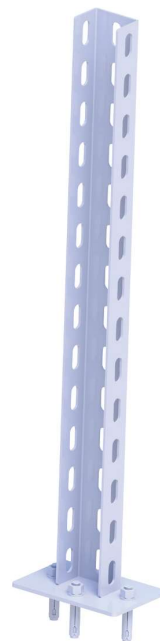
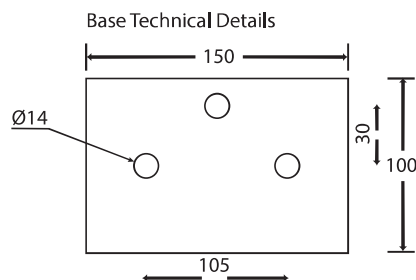
- COLUMN GROUP MAKES SUPPORTING OF PANNELS IN VERTICAL MODE.
- BEAM PROFILE CONNECTS TO HANGER PROFILE BY USING BEAM CONNECTOR ACCESSORIE.



Columns

COLUMNS (CONCRETE FLOOR) (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
BAAK-1400	1009BAAK1400	65	1400	3.0
BAOK-0700	1009BAOK0700	65	700	3.0
BAAK-1900	1009BAAK1900	65	1900	3.0
BAOK-0850	1009BAOK0850	65	850	3.0



COLUMNS (RAMMING FLOOR) (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
TAAK-300077	1009TAAK3000	65	3000	3.0
TAOK-240077	1009TAOK2400	65	2400	3.0



Hangers

HANGER PROFILE (Hot Dip Galvanised)

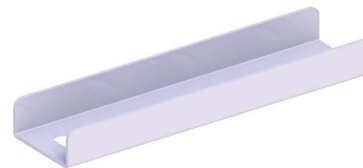
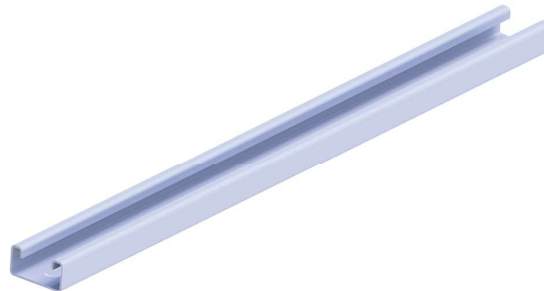
Order Code	Stock Code	H mm	L mm	T mm
AAS-152500	1008AAS152500	41	2500	1.5
AAS-202500	1008AAS202500	41	2500	2.0
AAS-252500	1008AAS252500	41	2500	2.5
AAS-153000	1008AAS153000	41	3000	1.5
AAS-203000	1008AAS203000	41	3000	2.0
AAS-253000	1008AAS253000	41	3000	2.5
AAS-153500	1008AAS153500	41	3500	1.5
AAS-203500	1008AAS203500	41	3500	2.0
AAS-253500	1008AAS253500	41	3500	2.5



- C PROFILES ARE USED FOR CARRYING OF SOLAR PANEL SUPPORTING SYSTEMS.

DESTEK PROFİLİ (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ADE-152500	1008ADE152500	21	2500	1.5
ADE-202500	1008ADE202500	21	2500	2.0
ADE-252500	1008ADE252500	21	2500	2.5
ADE-153000	1008ADE153000	21	3000	1.5
ADE-203000	1008ADE203000	21	3000	2.0
ADE-253000	1008ADE253000	21	3000	2.5
ADE-153500	1008ADE153500	21	3500	1.5
ADE-203500	1008ADE203500	21	3500	2.0
ADE-253500	1008ADE253500	21	3500	2.5



- C PROFILES ARE USED FOR CARRYING OF SOLAR PANEL SUPPORTING SYSTEMS.

C PROFILE CONNECTION COUPLER (Hot Dip Galvanised)

Order Code	Stock Code	H mm	W mm	T mm
ASAC-BE4121	1008ASACBE4121	46	100	2.0
ASAC-BE4141	1008ASACBE4141	26	100	2.0



C PROFILES ARE CONNECTING BY USING OF NUTS, BOLTS ETC.



Roof Applications



Solar Panel Support Systems



ROOF APPLICATIONS / TRAPEZOIDAL SHEET

- Solar panel is applied in 2 types on trapezoidal sheet.
- 1. type is the fastening of an Aluminum Profile on a trapezoidal sheet and the installation of a solar panel with aluminum fasteners.
- 2. type is the fixation of the 41x41 C Profile produced by Ardic Elektrik on trapezoidal sheet with Omega fastener and the installation of solar panels with aluminum fasteners.



ROOF APPLICATIONS / HARD FLOOR FLAT ROOF

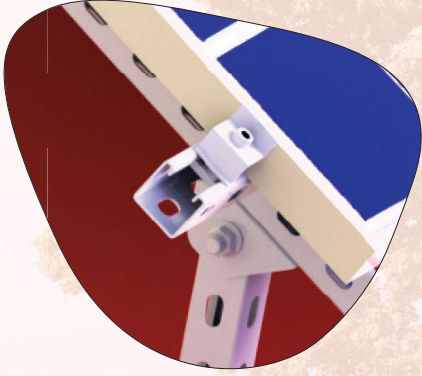


- It is applied on Flat Roofs.
- 41x21 C Profile 41x41 C profile is used in the assembly process.
- C Profiles are fixed to the floor with U Fasteners and steel dowels.
- Connection of C profiles to each other is provided by the U Fastener.
- The connection to the panel is made with an aluminum fasteners.



An installation example of a Solar Panel Carrier systems.

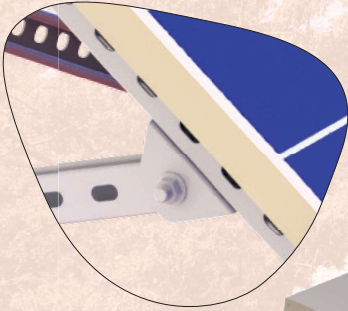
It is applied on flat roof with 41X41 C Suspension Profile and Fasteners.



Page 22 (ADC-EK)

Connectör

C Profil Bağlantı

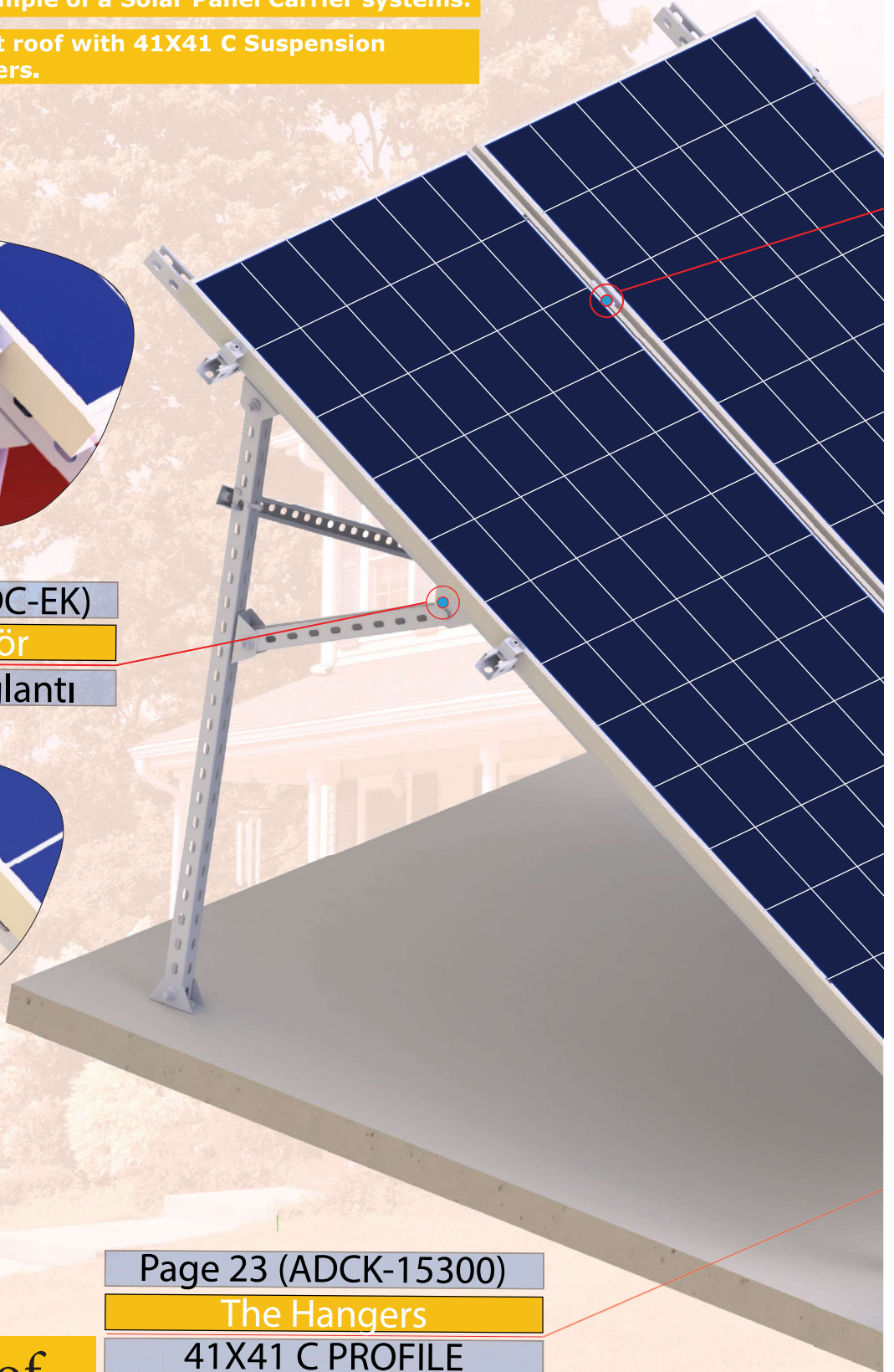


Page 23 (ADCK-15300)

The Hangers

41X41 C PROFILE

Flat Roof
C Profile



Page 47 (AOBA-2836)

Middle Panel Connection Device

Aluminium

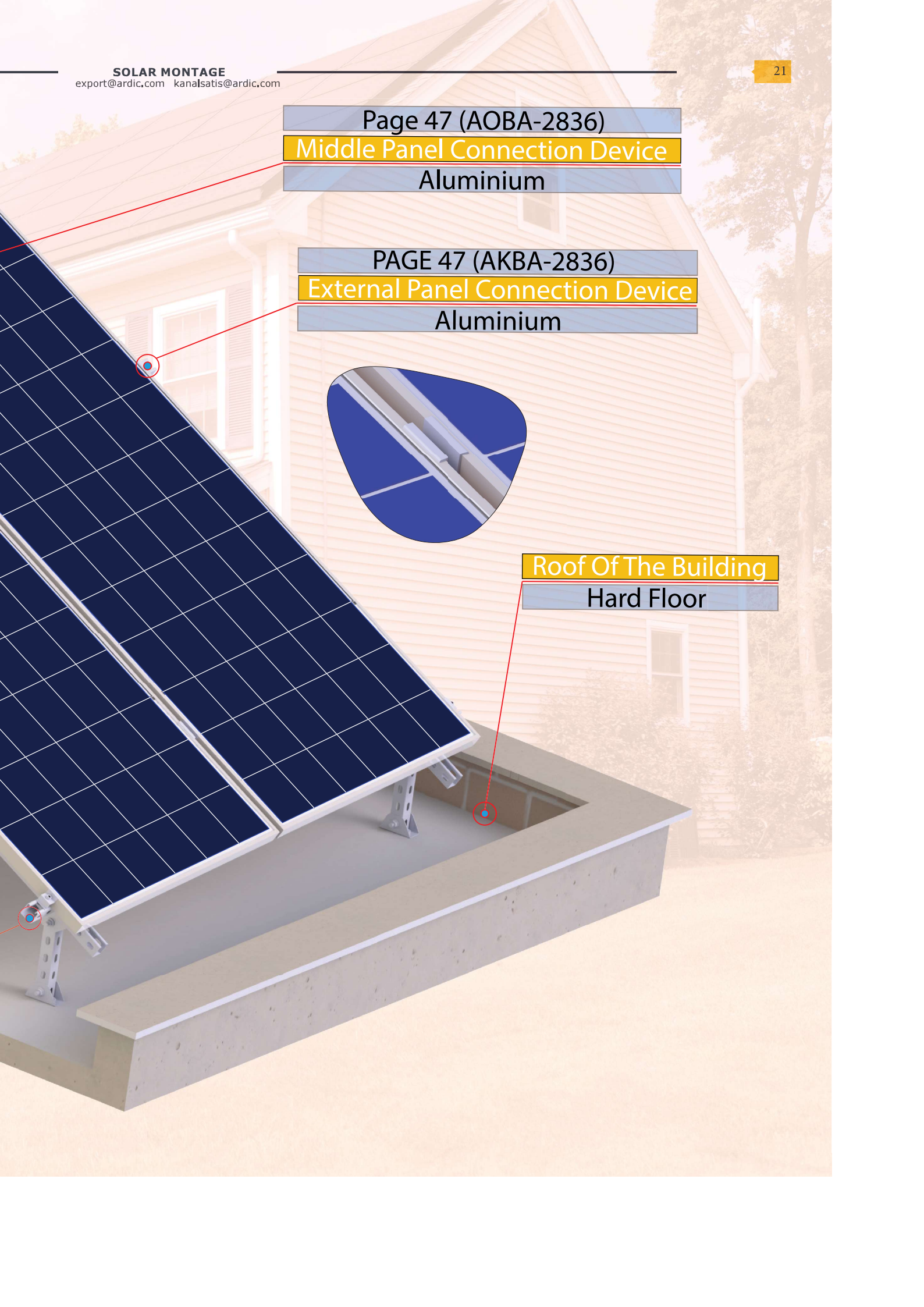
PAGE 47 (AKBA-2836)

External Panel Connection Device

Aluminium

Roof Of The Building

Hard Floor



Columns

COLUMNS PROFILE (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ADCO-150250	1007ADCO150250	41	250	1.5
ADCO-200250	1007ADCO200250	41	250	2.0
ADCO-250250	1007ADCO250250	41	250	2.5
ADCA-151250	1007ADCA151250	41	250	1.5
ADCA-201250	1007ADCA201250	41	250	2.0
ADCA-251250	1007ADCA251250	41	250	2.5

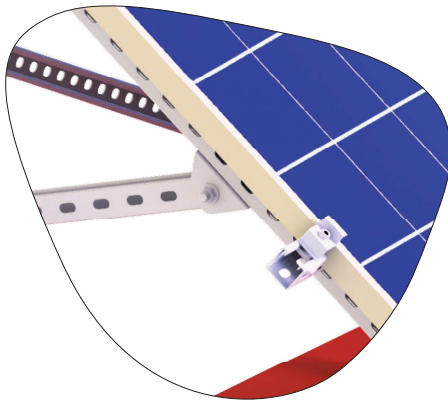


- C PROFILES ARE USED FOR CARRYING OF SOLAR PANEL SUPPORTING SYSTEMS.

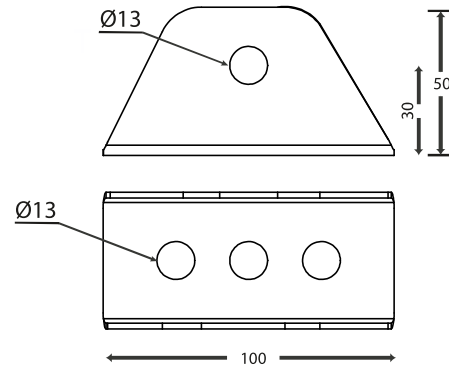


C PROFILE SUPPORT SYSTEMS (Hot Dip Galvanised)

Order Code	Stock Code	H mm	W mm	T mm
ADC-EK	1007ADCEK	41	45	2.0



Technical Details

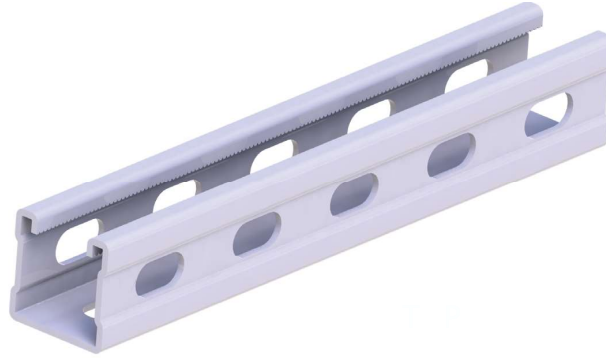


FLAT AND ANGLED CONNECTIONS IN SOLAR SYSTEMS ARE MADE OF C PROFILE CONNECTORS.

Beams

BEAMS PROFILE (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ADCK-152500	1006ADCK152500	41	2500	1.5
ADCK-202500	1006ADCK202500	41	2500	2.0
ADCK-252500	1006ADCK252500	41	2500	2.5



The Hangers

THE HANGER PROFILE (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ADCK-153000	1006ADCK153000	41	3000	1.5
ADCK-203000	1006ADCK203000	41	3000	2.0
ADCK-253000	1006ADCK253000	41	3000	2.5



- C PROFILES ARE USED FOR CARRYING OF SOLAR PANEL SUPPORTING SYSTEMS.

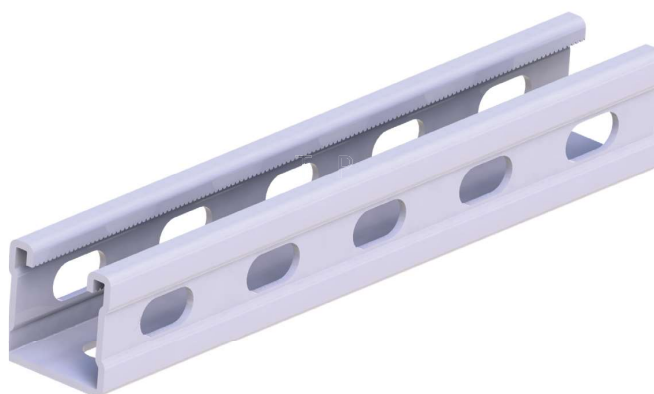
Supports

SUPPORT PROFILE (Hot Dip Galvanised)

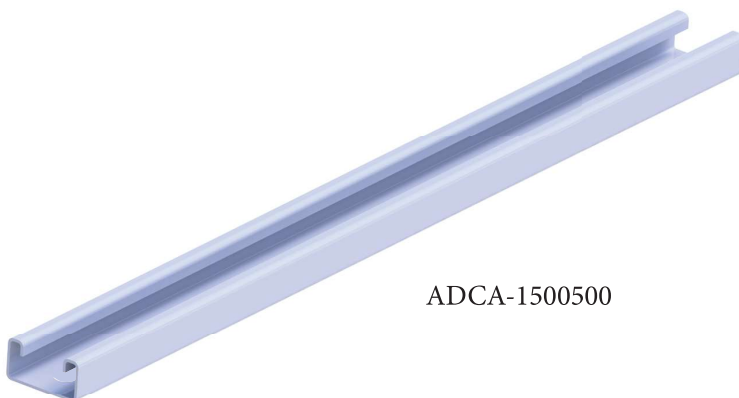
Order Code	Stock Code	H mm	L mm	T mm
ADCY-1500500	1005ADCY1500500	41	500	1.5
ADCY-2000500	1005ADCY2000500	41	500	2.0
ADCY-2500500	1005ADCY2500500	41	500	2.5
ADCA-1502000	1005ADCA1502000	21	2000	1.5
ADCA-2002000	1005ADCA2002000	21	2000	2.0
ADCA-2502000	1005ADCA2502000	21	2000	2.5



- C PROFILES ARE USED FOR CARRYING OF SOLAR PANEL SUPPORTING SYSTEMS.



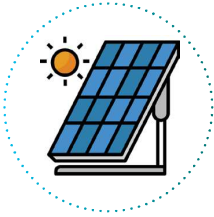
ADCY-1500500



ADCA-1500500

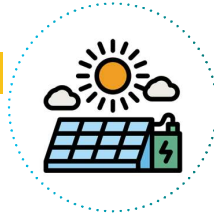


Solar Panel Support Systems



Project Based Design

Except for standard production. Project-based design is made in all parts of transport systems.



Fast Production

Fast production is made by our automatic machines and Roll Form lines.



Domestic Production and Export

All carrier systems are made in our factories for domestic and foreign markets sales.



Fast Delivery

Fast delivery is provided by our experienced shipping team.

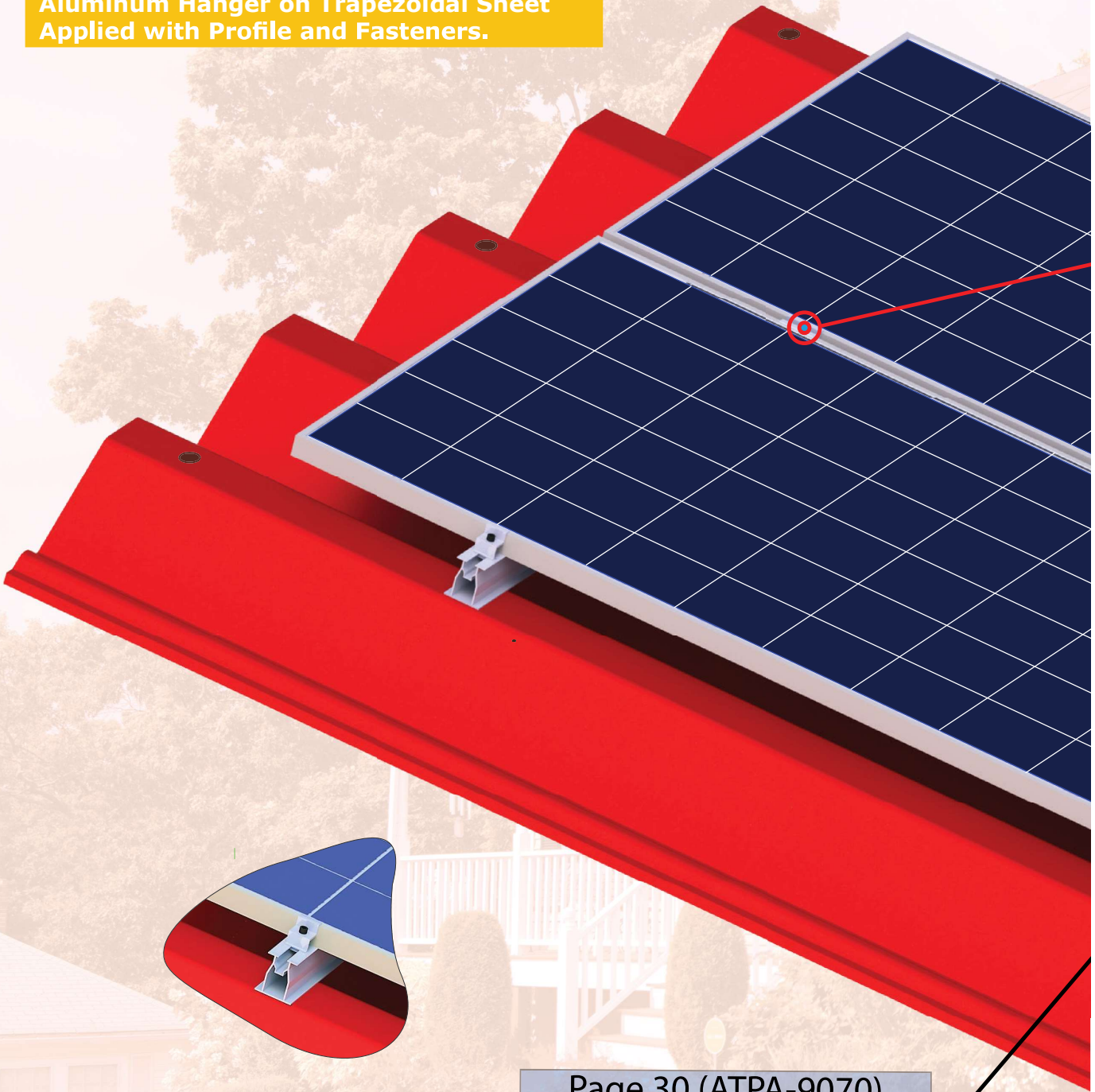


Qualified Production

Our experienced team ensures the production of products in accordance with the standards within the specified tolerances and produces the highest quality product with the approval of the quality control team.

An instalation example of a Solar Panel Carrier systems.

Aluminum Hanger on Trapezoidal Sheet
Applied with Profile and Fasteners.



Page 30 (ATPA-9070)

Trapezoidal Roof Profile

Aluminium

90X70X2,5

Trapezoidal Roof Application
Aluminium Profile

Page 47 (AKBA-2836)

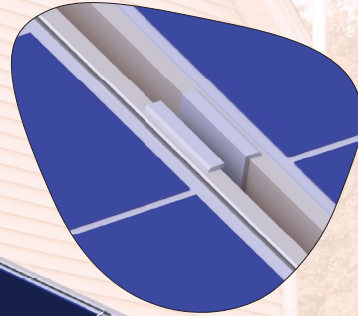
External Panel Connection Device

Aluminium

Page 47 (AOBA-2836)

Middle Panel Connection Device

Aluminium

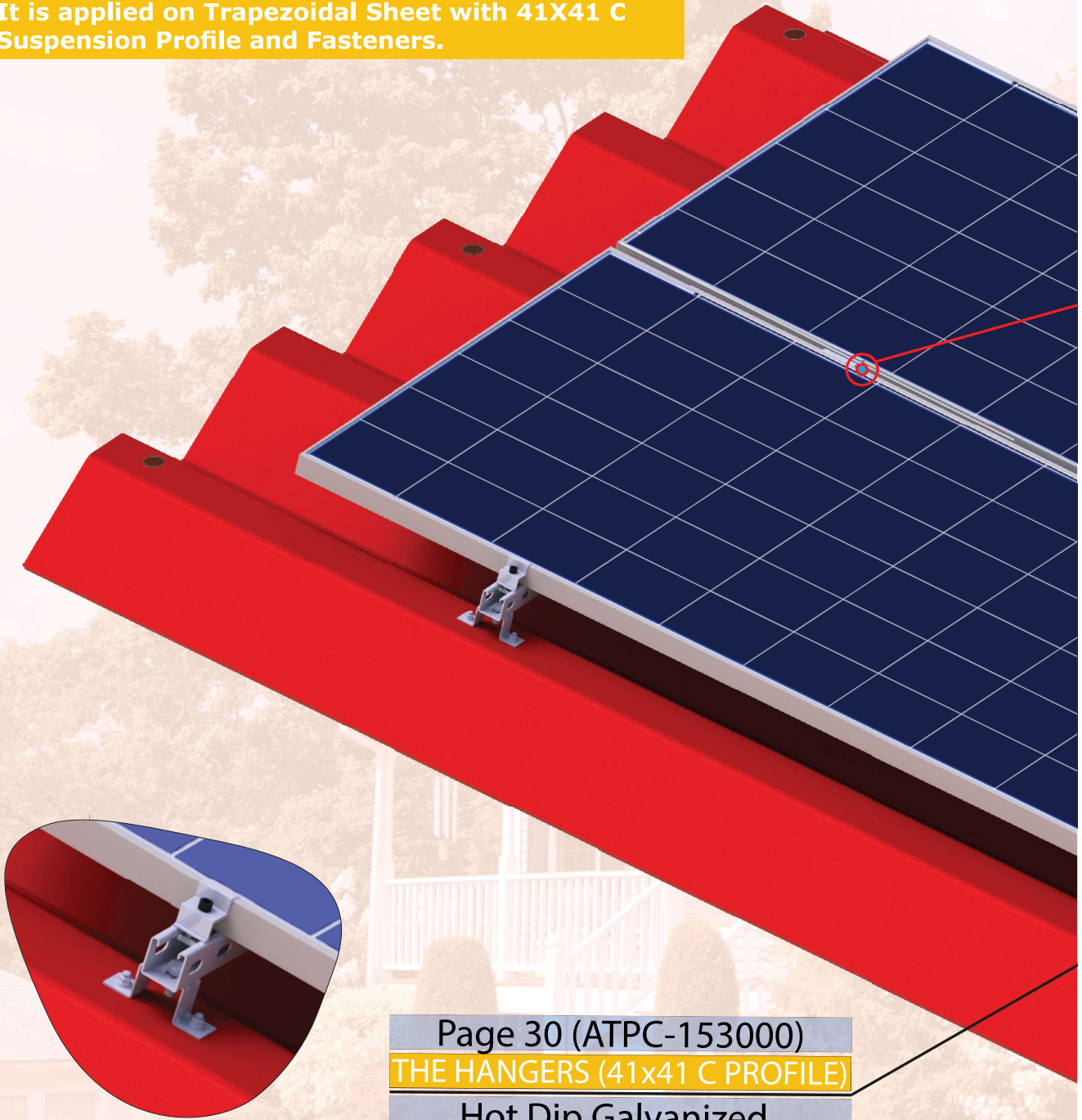


TRAPEZOIDAL SHEET
ROOF MONTAGE



An instalation example of a Solar Panel Carrier systems.

It is applied on Trapezoidal Sheet with 41X41 C Suspension Profile and Fasteners.



Page 30 (ATPC-153000)
THE HANGERS (41x41 C PROFILE)
Hot Dip Galvanized

Trapezoidal Roof Application
C Profile

Page 47 (AKBA-2836)

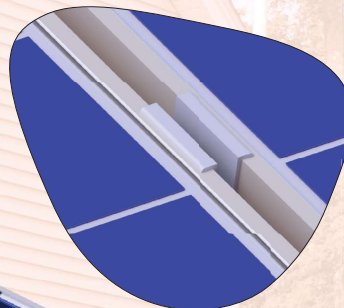
External Panel Connection Device

Aluminium

Page 47 (AOBA-2836)

Middle Panel Connection Device

Aluminium



TRAPEZOIDAL SHEET

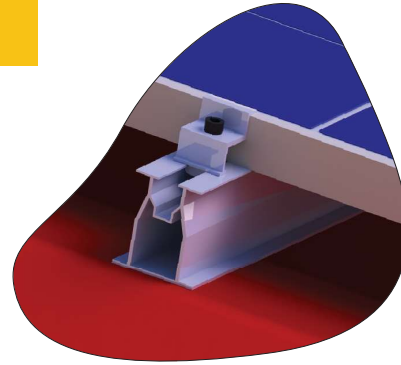
ROOF MONTAGE


ARDIG

Trapezoidal Roof Profiles

TRAPEZOIDAL ROOF PROFILE (ALUMINIUM)

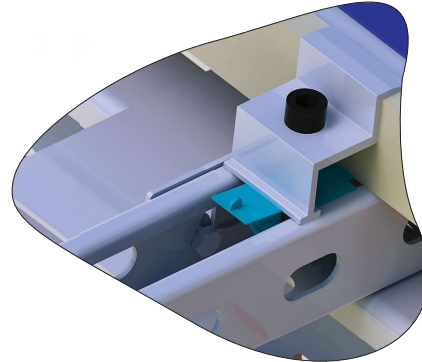
Order Code	Stock Code	H mm	W mm	L mm	T mm
ATPA-9070	1003ATPA9070	70	90	3000	2.5



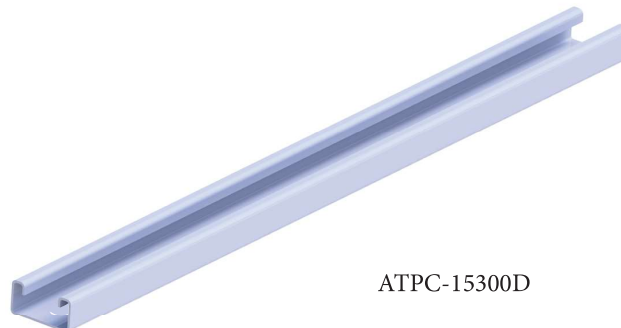
- ALUMINUM PROFILE IS USED FOR FIXING SOLAR PANELS ON TRAPEZOID ROOFS.

THE HANGERS (Hot Dip Galvanised)

Order Code	Stock Code	H mm	L mm	T mm
ATPC-153000	1003ATPC153000	41	3000	1.5
ATPC-203000	1003ATPC203000	41	3000	2.0
ATPC-153000D	1003ATPC153000D	41	3000	1.5
ATPC-203000D	1003ATPC203000D	41	3000	2.0



ATPC-15300

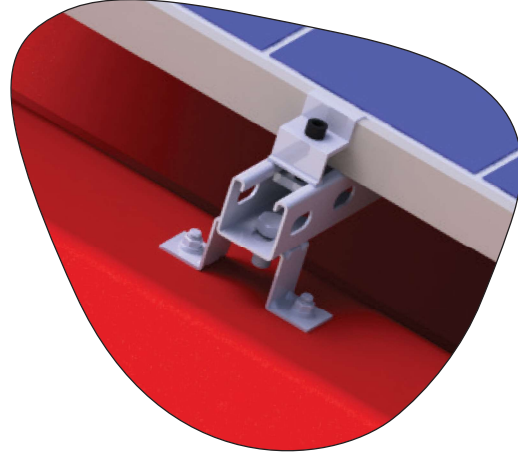


ATPC-15300D

Support Systems

TRAPEZOİDAL ROOF FIXING ELEMENT (SİCAK DALDIRMA)

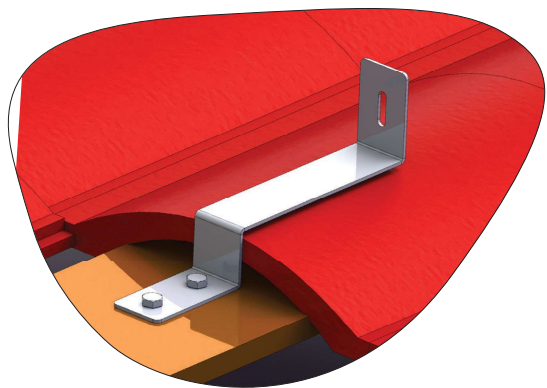
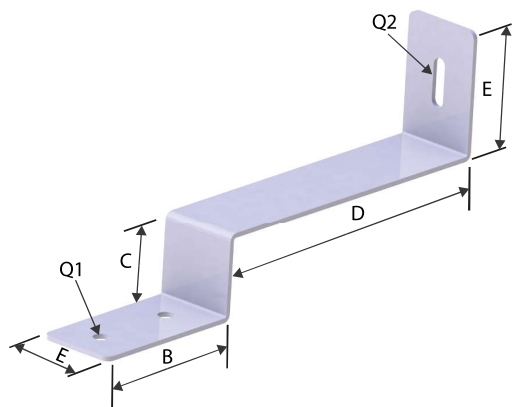
Order Code	Stock Code	H mm	W mm	T mm
ATPC-EK	1004ATPCEK	50	50	2.5



FASTENING ELEMENTS

TILE FASTENING ELEMENTS (HOT DIP GALVANIZED)

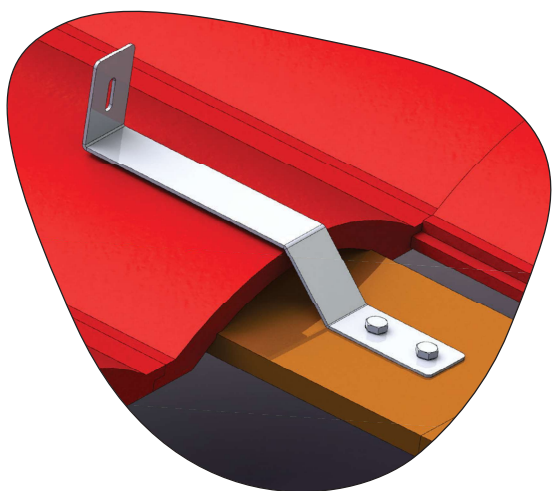
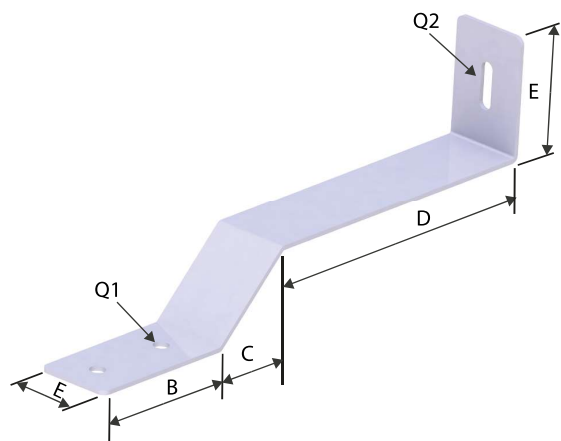
Order Code	Stock Code	T mm	A mm	B mm	C mm	D mm	E mm	Q1 mm	Q2 mm
ASL-01-101001	180ASL01101001	2,0							



TILE FASTENING ELEMENTS 1

TILE FASTENING ELEMENTS (HOT DIP GALVANIZED)

Order Code	Stock Code	T mm	A mm	B mm	C mm	D mm	E mm	Q1 mm	Q2 mm
ASL-01-101002	180ASL01101002	2,0							

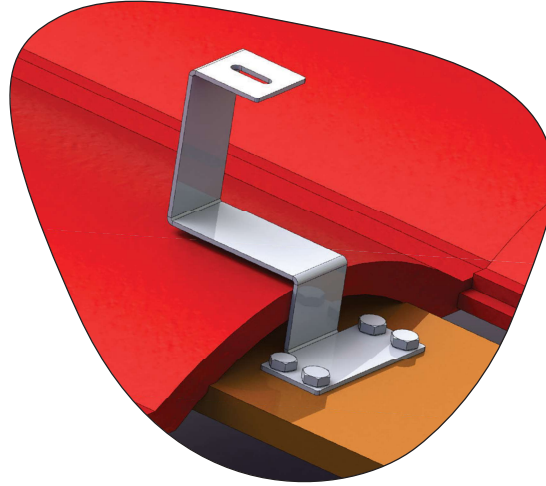
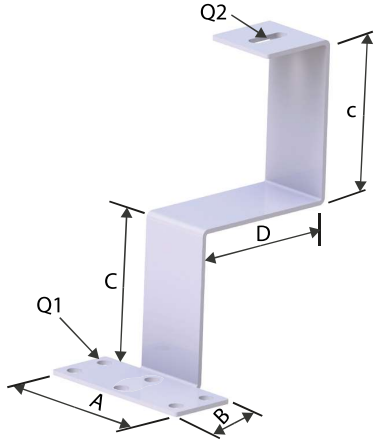


TILE FASTENING ELEMENTS 2

FASTENING ELEMENTS

TILE FASTENING ELEMENTS (HOT DIP GALVANIZED)

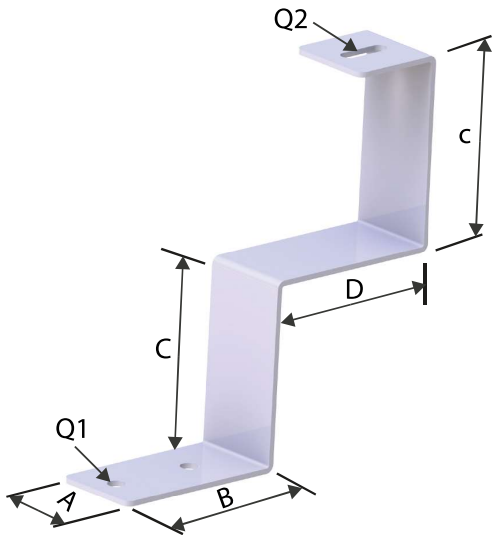
Order Code Sipariş Kodu	Stock Code Stok Kodu	T mm	A mm	B mm	C mm	D mm	E mm	Q1 mm	Q2 mm
ASL-01-101003	180ASL01101003	2,0							



TILE FASTENING ELEMENTS 3

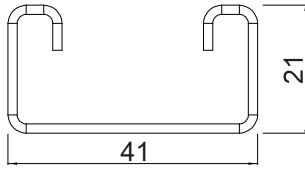
TILE FASTENING ELEMENTS (HOT DIP GALVANIZED)

Order Code	Stock Code	T mm	A mm	B mm	C mm	D mm	E mm	Q1 mm	Q2 mm
ASL-01-101004	180ASL01101004	2,0							



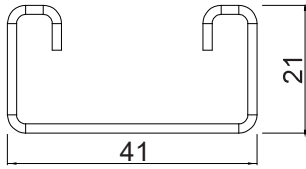
TILE FASTENING ELEMENTS 4

C Profiles



41X21 C Profiles (No Slot) (PG / HDG)
 41x21 C Profiller (Deliksiz) (PG / SD)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-41-21-1530 PG	01011AC41211530PG	41x21	1.5	3.000	1,050
AC-41-21-2030 PG	01011AC41212030PG	41x21	2.0	3.000	1,370
AC-41-21-2530 PG	01011AC41212530PG	41x21	2.5	3.000	1,900
AC-41-21-1560 PG	01011AC41211560PG	41x21	1.5	6.000	1,050
AC-41-21-2060 PG	01011AC41212060PG	41x21	2.0	6.000	1,370
AC-41-21-2560 PG	01011AC41212560PG	41x21	2.5	6.000	1,900
AC- 41-21-1530 HDG	01011AC41211530HDG	41x21	1.5	3.000	1,050
AC- 41-21-2030 HDG	01011AC41212030HDG	41x21	2.0	3.000	1,370
AC- 41-21-2530 HDG	01011AC41212530HDG	41x21	2.5	3.000	1,900
AC- 41-21-1560 HDG	01011AC41211560HDG	41x21	1.5	6.000	1,050
AC- 41-21-2060 HDG	01011AC41212060HDG	41x21	2.0	6.000	1,370
AC- 41-21-2560 HDG	01011AC41212560HDG	41x21	2.5	6.000	1,900



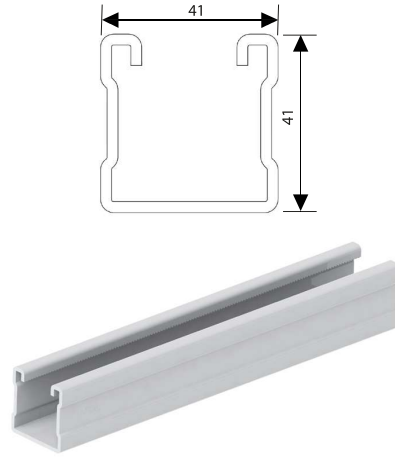
41X21 C Profiles (No Slot) (PG / HDG)
 41x21 C Profiller (Deliksiz) (PG / SD)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-41-21-153013-1 PG	01011AC4121153013-1 PG	41x21	1.5	3.000	1,050
AC-41-21-203013-1 PG	01011AC4121203013-1 PG	41x21	2.0	3.000	1,370
AC-41-21-253013-1 PG	01011AC4121253013-1 PG	41x21	2.5	3.000	1,900
AC-41-21-156013-1 PG	01011AC4121156013-1 PG	41x21	1.5	6.000	1,050
AC-41-21-206013-1 PG	01011AC4121206013-1 PG	41x21	2.0	6.000	1,370
AC-41-21-256013-1 PG	01011AC4121256013-1 PG	41x21	2.5	6.000	1,900
AC- 41-21-153013-1 HDG	01011AC4121153013-1HDG	41x21	1.5	3.000	1,050
AC- 41-21-203013-1 HDG	01011AC4121203013-1HDG	41x21	2.0	3.000	1,370
AC- 41-21-253013-1 HDG	01011AC4121253013-1HDG	41x21	2.5	3.000	1,900
AC- 41-21-156013-1 HDG	01011AC4121156013-1HDG	41x21	1.5	6.000	1,050
AC- 41-21-206013-1 HDG	01011AC4121206013-1HDG	41x21	2.0	6.000	1,370
AC- 41-21-256013-1 HDG	01011AC4121256013-1HDG	41x21	2.5	6.000	1,900

C Profiles

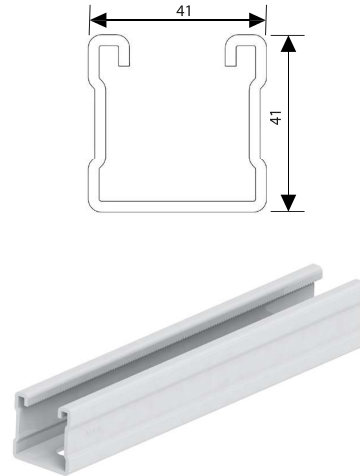
41X41 C Profiles (No Slot) (PG / HDG) 41x41 C Profiller (Deliksiz) (PG / SD)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-41-41-1530 PG	01011AC41411530PG	41x41	1.5	3.000	1,550
AC-41-41-2030 PG	01011AC41412030PG	41x41	2.0	3.000	1,980
AC-41-41-2530 PG	01011AC41412530PG	41x41	2.5	3.000	2,750
AC-41-41-1560 PG	01011AC41411560PG	41x41	1.5	6.000	1,550
AC-41-41-2060 PG	01011AC41412060PG	41x41	2.0	6.000	1,980
AC-41-41-2560 PG	01011AC41412560PG	41x41	2.5	6.000	2,750
AC- 41-41-1530 HDG	01011AC41411530HDG	41x41	1.5	3.000	1,550
AC- 41-41-2030 HDG	01011AC41412030HDG	41x41	2.0	3.000	1,980
AC- 41-41-2530 HDG	01011AC41412530HDG	41x41	2.5	3.000	2,750
AC- 41-41-1560 HDG	01011AC41411560HDG	41x41	1.5	6.000	1,550
AC- 41-41-2060 HDG	01011AC41412060HDG	41x41	2.0	6.000	1,980
AC- 41-41-2560 HDG	01011AC41412560HDG	41x41	2.5	6.000	2,750

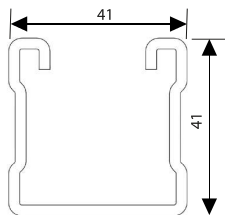


41X41 C Profiles (1 Slot) (PG / HDG) 41x41 C Profiller (1 Delik) (PG / SD)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-41-41-153013-1 PG	01011AC4141153013-1 PG	41x41	1.5	3.000	1,550
AC-41-41-203013-1 PG	01011AC4141203013-1 PG	41x41	2.0	3.000	1,980
AC-41-41-253013-1 PG	01011AC4141253013-1 PG	41x41	2.5	3.000	2,750
AC-41-41-156013-1 PG	01011AC4141156013-1 PG	41x41	1.5	6.000	1,550
AC-41-41-206013-1 PG	01011AC4141206013-1 PG	41x41	2.0	6.000	1,980
AC-41-41-256013-1 PG	01011AC4141256013-1 PG	41x41	2.5	6.000	2,750
AC- 41-41-153013-1 HDG	01011AC4141153013-1 HDG	41x41	1.5	3.000	1,550
AC- 41-41-203013-1 HDG	01011AC4141203013-1 HDG	41x41	2.0	3.000	1,980
AC- 41-41-253013-1 HDG	01011AC4141253013-1 HDG	41x41	2.5	3.000	2,750
AC- 41-41-156013-1 HDG	01011AC4141156013-1 HDG	41x41	1.5	6.000	1,550
AC- 41-41-206013-1 HDG	01011AC4141206013-1 HDG	41x41	2.0	6.000	1,980
AC- 41-41-256013-1 HDG	01011AC4141256013-1 HDG	41x41	2.5	6.000	2,750

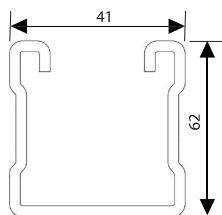


C Profiles



41X41 C Profiles (3 Slot) (PG / HDG)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-41-41-353013-3 PG	01011AC4141153013-3 PG	41x41	1.5	3.000	1,550
AC-41-41-203013-3 PG	01011AC4141203013-3 PG	41x41	2.0	3.000	1,980
AC-41-41-253013-3 PG	01011AC4141253013-3 PG	41x41	2.5	3.000	2,750
AC-41-41-356013-3 PG	01011AC4141156013-3 PG	41x41	1.5	6.000	1,550
AC-41-41-206013-3 PG	01011AC4141206013-3 PG	41x41	2.0	6.000	1,980
AC-41-41-256013-3 PG	01011AC4141256013-3 PG	41x41	2.5	6.000	2,750
AC- 41-41-353013-3 HDG	01011AC4141153013-3HDG	41x41	1.5	3.000	1,550
AC- 41-41-203013-3 HDG	01011AC4141203013-3HDG	41x41	2.0	3.000	1,980
AC- 41-41-253013-3 HDG	01011AC4141253013-3HDG	41x41	2.5	3.000	2,750
AC- 41-41-356013-3 HDG	01011AC4141156013-3HDG	41x41	1.5	6.000	1,550
AC- 41-41-206013-3 HDG	01011AC4141206013-3HDG	41x41	2.0	6.000	1,980
AC- 41-41-256013-3 HDG	01011AC4141256013-3HDG	41x41	2.5	6.000	2,750



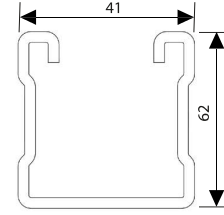
62X41 C Profiles (No Slot) (PG / HDG)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-62-41-1530 PG	01011AC62411530PG	62x41	1.5	3.000	2,000
AC-62-41-2030 PG	01011AC62412030PG	62x41	2.0	3.000	2,570
AC-62-41-2530 PG	01011AC62412530PG	62x41	2.5	3.000	3,580
AC-62-41-1560 PG	01011AC62411560PG	62x41	1.5	6.000	2,000
AC-62-41-2060 PG	01011AC62412060PG	62x41	2.0	6.000	2,570
AC-62-41-2560 PG	01011AC62412560PG	62x41	2.5	6.000	3,580
AC-62-41-1530 HDG	01011AC62411530HDG	62x41	1.5	3.000	2,000
AC-62-41-2030 HDG	01011AC62412030HDG	62x41	2.0	3.000	2,570
AC-62-41-2530 HDG	01011AC62412530HDG	62x41	2.5	3.000	3,580
AC-62-41-1560 HDG	01011AC62411560HDG	62x41	1.5	6.000	2,000
AC-62-41-2060 HDG	01011AC62412060HDG	62x41	2.0	6.000	2,570
AC-62-41-2560 HDG	01011AC62412560HDG	62x41	2.5	6.000	3,580

C Profiles

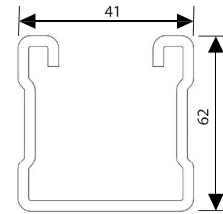
62X41 C Profiles (1 Slot) (PG / HDG)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-62-41-1530-1 PG	01011AC62411530-1 PG	62x41	1.5	3.000	2,000
AC-62-41-2030-1 PG	01011AC62412030-1 PG	62x41	2.0	3.000	2,570
AC-62-41-2530-1 PG	01011AC62412530-1 PG	62x41	2.5	3.000	3,580
AC-62-41-1560-1 PG	01011AC62411560-1 PG	62x41	1.5	6.000	2,000
AC-62-41-2060-1 PG	01011AC62412060-1 PG	62x41	2.0	6.000	2,570
AC-62-41-2560-1 PG	01011AC62412560-1 PG	62x41	2.5	6.000	3,580
AC-62-41-1530-1 HDG	01011AC62411530-1HDG	62x41	1.5	3.000	2,000
AC-62-41-2030-1 HDG	01011AC62412030-1HDG	62x41	2.0	3.000	2,570
AC-62-41-2530-1 HDG	01011AC62412530-1HDG	62x41	2.5	3.000	3,580
AC-62-41-1560-1 HDG	01011AC62411560-1HDG	62x41	1.5	6.000	2,000
AC-62-41-2060-1 HDG	01011AC62412060-1HDG	62x41	2.0	6.000	2,570
AC-62-41-2560-1 HDG	01011AC62412560-1HDG	62x41	2.5	6.000	3,580

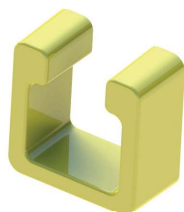
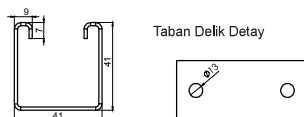
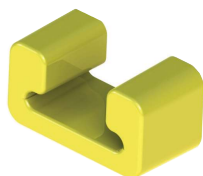
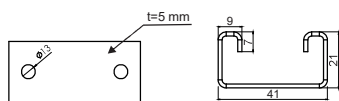


62X41 C Profiles (3 Slot) (PG / HDG) 62x41 C Profiller (3 Delik) (PG / SD)

Order Code	Stock Code	WxH mm	T mm	L mm	Weight (kg/mt)
AC-62-41-1530-3 PG	01011AC62411530-3 PG	62x41	1.5	3.000	2,000
AC-62-41-2030-3 PG	01011AC62412030-3 PG	62x41	2.0	3.000	2,570
AC-62-41-2530-3 PG	01011AC62412530-3 PG	62x41	2.5	3.000	3,580
AC-62-41-1560-3 PG	01011AC62411560-3 PG	62x41	1.5	6.000	2,000
AC-62-41-2060-3 PG	01011AC62412060-3 PG	62x41	2.0	6.000	2,570
AC-62-41-2560-3 PG	01011AC62412560-3 PG	62x41	2.5	6.000	3,580
AC-62-41-1530-3 HDG	01011AC62411530-3HDG	62x41	1.5	3.000	2,000
AC-62-41-2030-3 HDG	01011AC62412030-3HDG	62x41	2.0	3.000	2,570
AC-62-41-2530-3 HDG	01011AC62412530-3HDG	62x41	2.5	3.000	3,580
AC-62-41-1560-3 HDG	01011AC62411560-3HDG	62x41	1.5	6.000	2,000
AC-62-41-2060-3 HDG	01011AC62412060-3HDG	62x41	2.0	6.000	2,570
AC-62-41-2560-3 HDG	01011AC62412560-3HDG	62x41	2.5	6.000	3,580



C Profiles

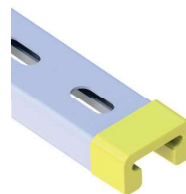
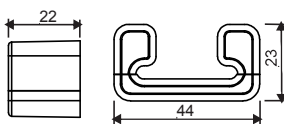


C Support Brackets (41X21 Single)

Order Code	Stock Code	T mm	L mm	Weight (kg/mt)
ACK-41-21-10 HDG	01011ACK412110HDG	1.5	107	0.425
ACK-41-21-20 HDG	01011ACK412120HDG	1.5	207	0.545
ACK-41-21-30 HDG	01011ACK412130HDG	1.5	310	0.670
ACK-41-21-40 HDG	01011ACK412140HDG	2.0	413	0.955
ACK-41-21-50 HDG	01011ACK412150HDG	2.0	516	1,115
ACK-41-21-60 HDG	01011ACK412160HDG	2.0	620	1,275

C Profiles End Covers 41x21

Order Code	Stock Code	L mm	Weight (kg/pcs)
AC-S80-41X21	01011ACS8041X21	23	0.006

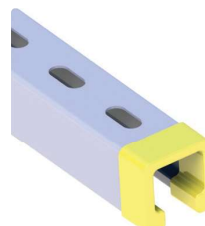
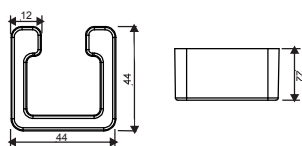


C Support Brackets (41X41 Single)

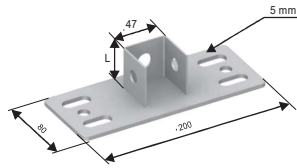
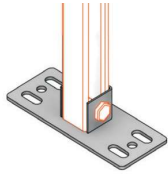
Order Code	Stock Code	T mm	L mm	Weight (kg/pcs)
ACK-41-41-10 HDG	01011ACK414110HDG	1.5	107	0.485
ACK-41-41-20 HDG	01011ACK414120HDG	1.5	207	0.655
ACK-41-41-30 HDG	01011ACK414130HDG	1.5	310	0.830
ACK-41-41-40 HDG	01011ACK414140HDG	2.0	413	1,240
ACK-41-41-50 HDG	01011ACK414150HDG	2.0	516	1,470
ACK-41-41-60 HDG	01011ACK414160HDG	2.0	620	1,700

C Profiles End Covers 41x41

Order Code	Stock Code	T mm	Weight (kg/pcs)
AC-S80-41X41	01011ACS8041X41	44	0.010

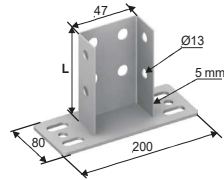
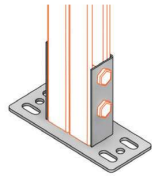






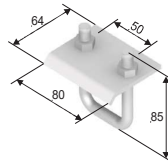
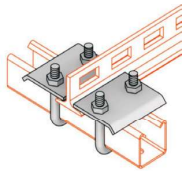
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
AC-1-3-21D HDG	01011AC010321DHDG	5.0	0,445



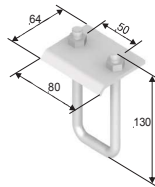
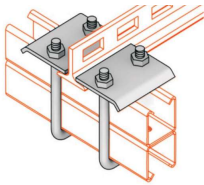
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
AC-1-3-41D HDG	01011AC010341DHDG	5.0	0,680



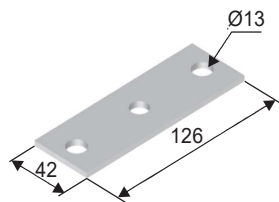
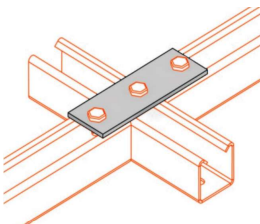
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-01 HDG	01011ACB01HDG	5.0	0,350



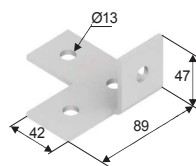
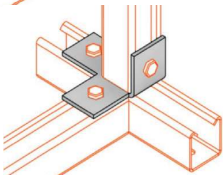
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-02 HDG	01011ACB02HDG	5.0	0,390



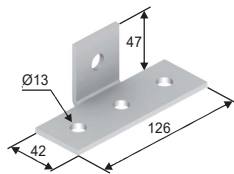
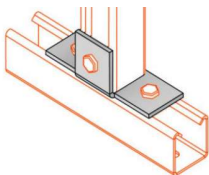
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-08 HDG	01011ACB08HDG	5.0	0,200



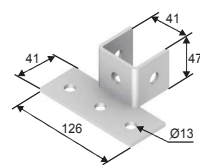
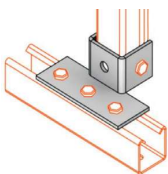
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-09 HDG	01011ACB09HDG	5.0	0,295



C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-12 HDG	01011ACB12HDG	5.0	0,280

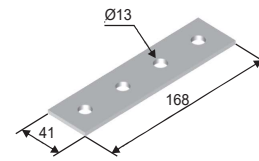
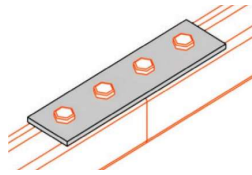


C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-14 HDG	01011ACB14HDG	5.0	0,455

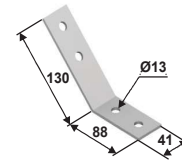
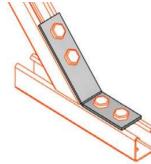
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-01 HDG	01011ACB01HDG	5.0	0,350



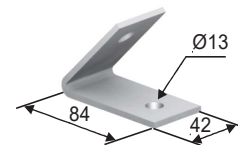
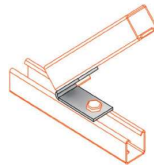
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-25 HDG	01011ACB25HDG	5.0	0,345



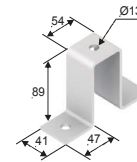
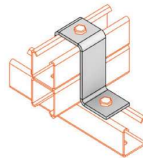
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-26 HDG	01011ACB26HDG	5.0	0,255



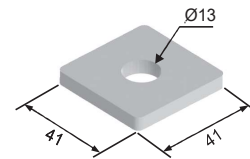
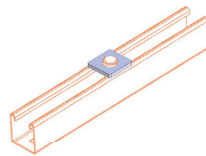
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-28 HDG	01011ACB28HDG	5.0	0,480



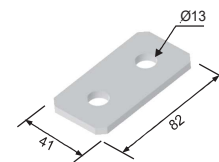
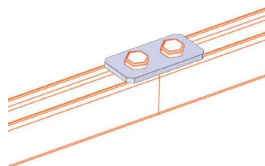
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-101 HDG	01011ACB101HDG	5.0	0,055



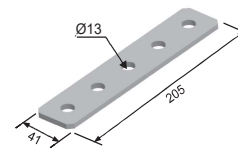
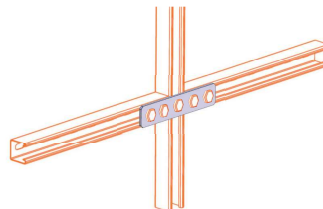
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-102 HDG	01011ACB102HDG	5.0	0,120



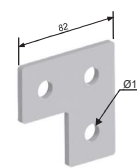
C Profile Support Systems

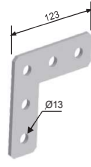
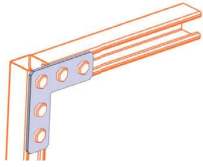
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-105 HDG	01011ACB105HDG	5.0	0,305



C Profile Support Systems

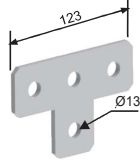
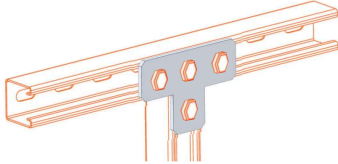
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-210 HDG	01011ACB210HDG	5.0	0,185





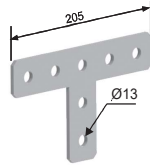
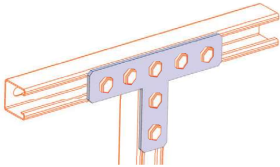
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-210-Ç HDG	01011ACB210.HDG	5.0	0,305



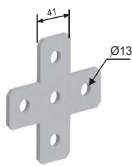
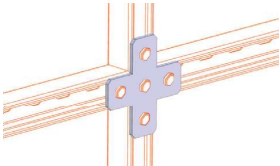
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-211 HDG	01011ACB211.HDG	5.0	0,240



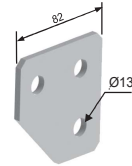
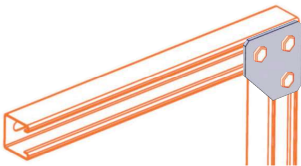
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-211-Ç HDG	01011ACB211Ç.HDG	5.0	0,435



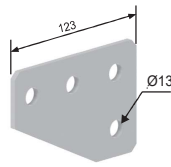
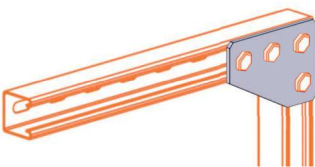
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-212 HDG	01011ACB212.HDG	5.0	0,540



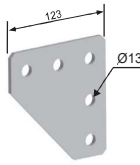
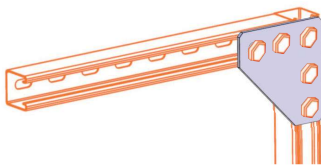
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-213 HDG	01011ACB213.HDG	5.0	0,215



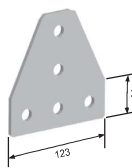
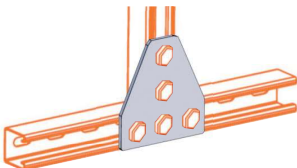
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-214 HDG	01011ACB214.HDG	5.0	0,310



C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-215 HDG	01011ACB215.HDG	5.0	0,435

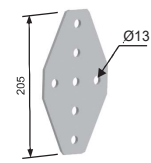
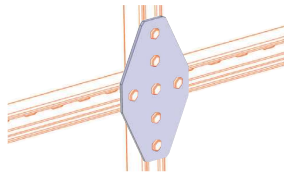


C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-217 HDG	01011ACB217.HDG	5.0	0,435

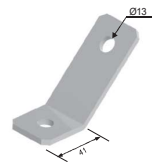
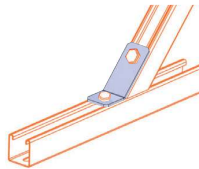
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-218 HDG	01011ACB218HDG	5.0	0,690



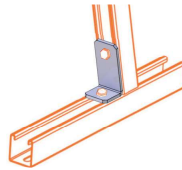
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-301 HDG	01011ACB301HDG	5.0	0,190



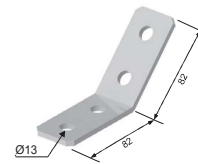
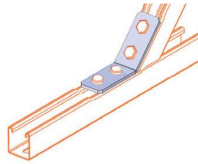
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-302 HDG	01011ACB217HDG	5.0	0,190



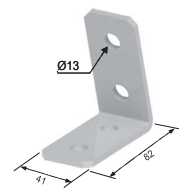
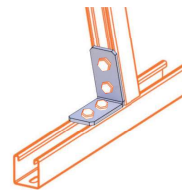
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-303 HDG	01011ACB303HDG	5.0	0,245



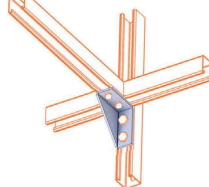
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-304 HDG	01011ACB217HDG	5.0	0,250



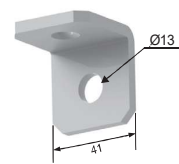
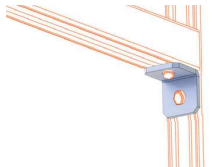
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-401 HDG	01011ACB401HDG	5.0	0,380



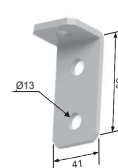
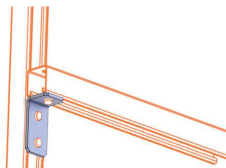
C Profile Support Systems

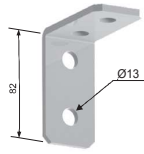
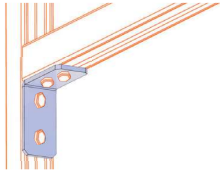
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-402 HDG	01011ACB402HDG	5.0	0,110



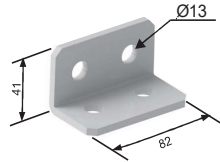
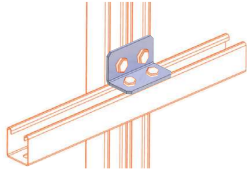
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-407 HDG	01011ACB407HDG	5.0	0,170

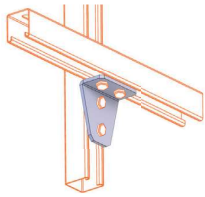



C Profile Support Systems

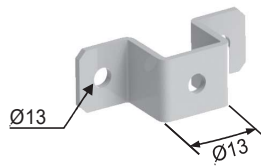
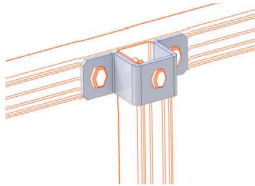
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-410 HDG	01011ACB410HDG	5.0	0,230


C Profile Support Systems

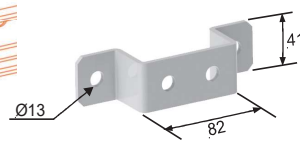
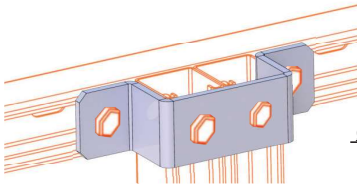
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-411 HDG	01011ACB411HDG	5.0	0,245


C Profile Support Systems

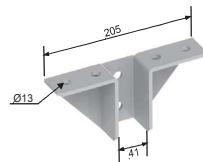
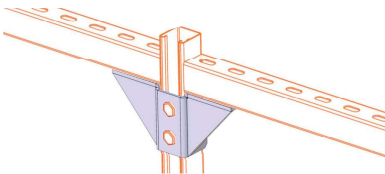
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-412 HDG	01011ACB412ÇHDG	5.0	0,290


C Profile Support Systems

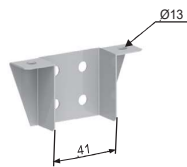
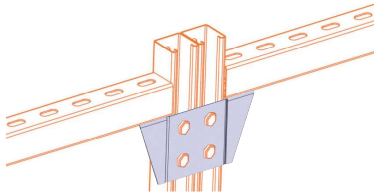
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-503 HDG	01011ACB503HDG	5.0	0,305


C Profile Support Systems

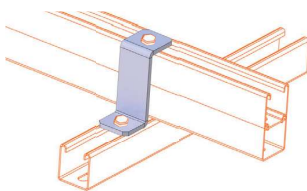
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-505 HDG	01011ACB505HDG	5.0	0,365


C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-612-T HDG	01011ACB612THDG	5.0	0,905


C Profile Support Systems

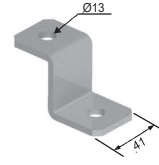
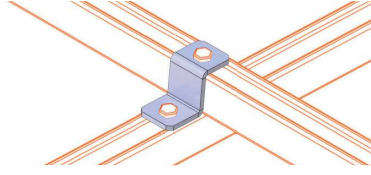
Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-612-Ç HDG	01011ACB612ÇHDG	5.0	1,025


C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-701 HDG	01011ACB701HDG	5.0	0,245

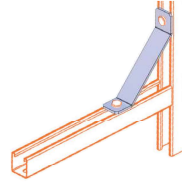
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-703 HDG	01011ACB703HDG	5.0	0,180



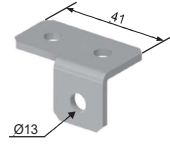
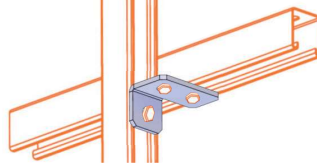
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-706 HDG	01011ACB706HDG	5.0	0,370



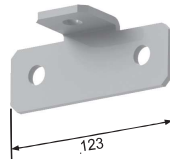
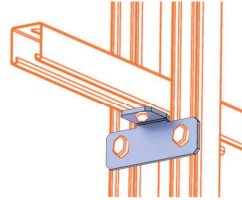
C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-709 HDG	01011ACB709HDG	5.0	0,180



C Profile Support Systems

Order Code	Stock Code	T mm	Weight (kg/pcs)
ACB-711 HDG	01011ACB711HDG	5.0	0,245



N SPRING NUTS (PLASTİK)

Order Code	Stock Code	L mm	METRIC Ø
ANSY-01	1001ANSY01	40	8
ANSY-03	1001ANSY03	40	10
ANSY-05	1001ANSY05	40	12



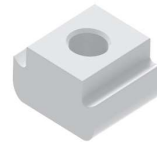
TRAPEZODIAL SCREW (ROOF)

Order Code	Stock Code	L mm	METRIC Ø
ATP-1	1001ATP1	25	6



ALUMINIUM NUT

Order Code Sipariş Kodu	Stock Code Stok Kodu	L mm	METRIC Ø
AANSY-01	1001AANSY01	-	8



Hardwares

HEXAGON HEAD BOLTS THREADED UP TO HEAD

Order Code Sipariş Kodu	Stock Code Stok Kodu	L mm	METRIC Ø
AAC-1-50	1001AAC150	50	M8
AAC-1-100	1001AAC1100	100	M8
AAC-2-50	1001AAC250	50	M10
AAC-2-100	1001AAC2100	100	M10
AAC-3-50	1001AAC350	50	M12
AAC-3-100	1001AAC3100	100	M12



MUSHROOM HEAD SQUARE NECK BOLTS

Order Code Sipariş Kodu	Stock Code Stok Kodu	L mm	METRIC Ø
CV-2	1001CV2	15	8
CV-3	1001CV3	25	10
CV-4	1001CV4	25	12



FLANGED NUTS

Order Code	Stock Code	L mm	METRIC Ø
ASN-1	1001ASN1		8
ASN-2	1001ASN2		10
ASN-3	1001ASN3		12



FLANGED NUTS

Order Code	Stock Code	L mm	METRIC Ø
ASF-1	1001ASF1		8
ASF-2	1001ASF2		10
ASF-3	1001ASF3		12



WASHER

Order Code	Stock Code	L mm	METRIC Ø
APLT-1	1001APLT1		8
APLT-2	1001APLT2		10
APLT-3	1001APLT3		12



STEEL WALL PEG TYPE 2

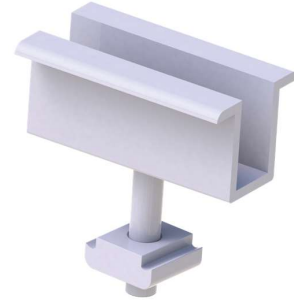
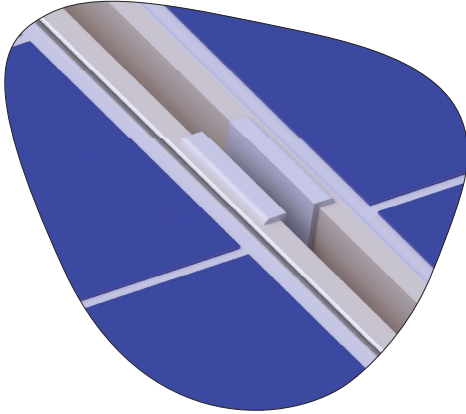
Order Code	Stock Code	L mm	METRIC Ø
CSD-2	0101STCSD02		8
CSD-3	0101STCSD03		10
CSD-4	0101STCSD04		12



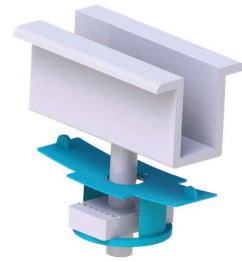
Aluminium Connection Elements

MIDDLE PANEL CONNECTION DEVICE (ALUMINIUM) PANEL ORTA BAĞLANTI ELEMANI (ALÜMİNYUM)

Order Code Sipariş Kodu	Stock Code Stok Kodu	H mm	W mm	T mm
AOBA-28-36	1002AOBA2836	28	36	2.5
AOBC-28-36	1002AOBC2836	28	36	2.5



AOBA-2836
Connection Example (Aluminium)



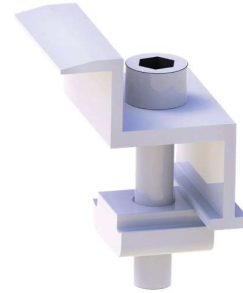
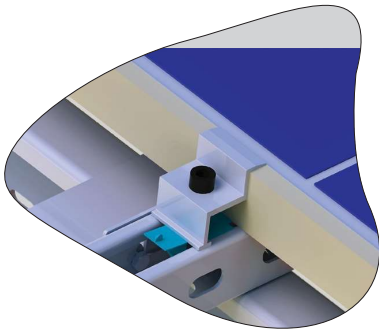
AOBC-2836
Connection Example (C Profile)

- MIDDLE PANEL HOLDER IS USED AS FIXING PART OF TWO PANELS, RIGHT AND LEFT.

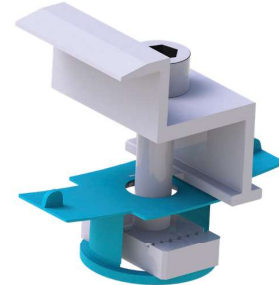
IT IS USED WITH M8 IMBUS BOLT AND PLASTIC SPRING NUT.

EXTERNAL PANEL CONNECTION (ALUMINIUM) PANEL KENAR BAĞLANTI ELEMANI (ALÜMİNYUM)

Order Code Sipariş Kodu	Stock Code Stok Kodu	H mm	W mm	T mm
AKBA-2836	1002AKBA2836	39	41	2.5
AKBC-2836	1002AKBC2836	39	41	2.5



AKBA-2836
Connection Example (Aluminium)



AKBC-2836
Connection Example (C Profile)

- THE SIDE PANEL HOLDER IS USED AS AN EDGE FIXING PART OF THE SOLAR PANEL

IT IS USED WITH M8 IMBUS BOLT AND PLASTIC SPRING NUT.



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ARDIÇ - FACTORYS

ARDIÇ-1:	ARDIÇ-2:	ARDIÇ-3:
Kapalı OSB Mah.	Çerkezhöy OSB.G.M.KP. Mah. 1.	Karağac OSB Mah.
103. Cad No:21	Cad. No:138	34. Sok. No:2-1
KAPAKLI/TEKİRDAĞ	Çerkezhöy /TEKİRDAĞ	Kapalı / TEKİRDAĞ



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