Univolt UK PVC Tray Catalogue

DIETZEL UNIVOLT

BEBasor
CABLE TRAY SPECIALIST

CABLE MANAGEMENT ALLIANCE

Univolt UK
PVC CABLE TRAYS

Index

APPLICATIONS

INSTALLATION PRACTICES

Contact Univolt UK Ltd.

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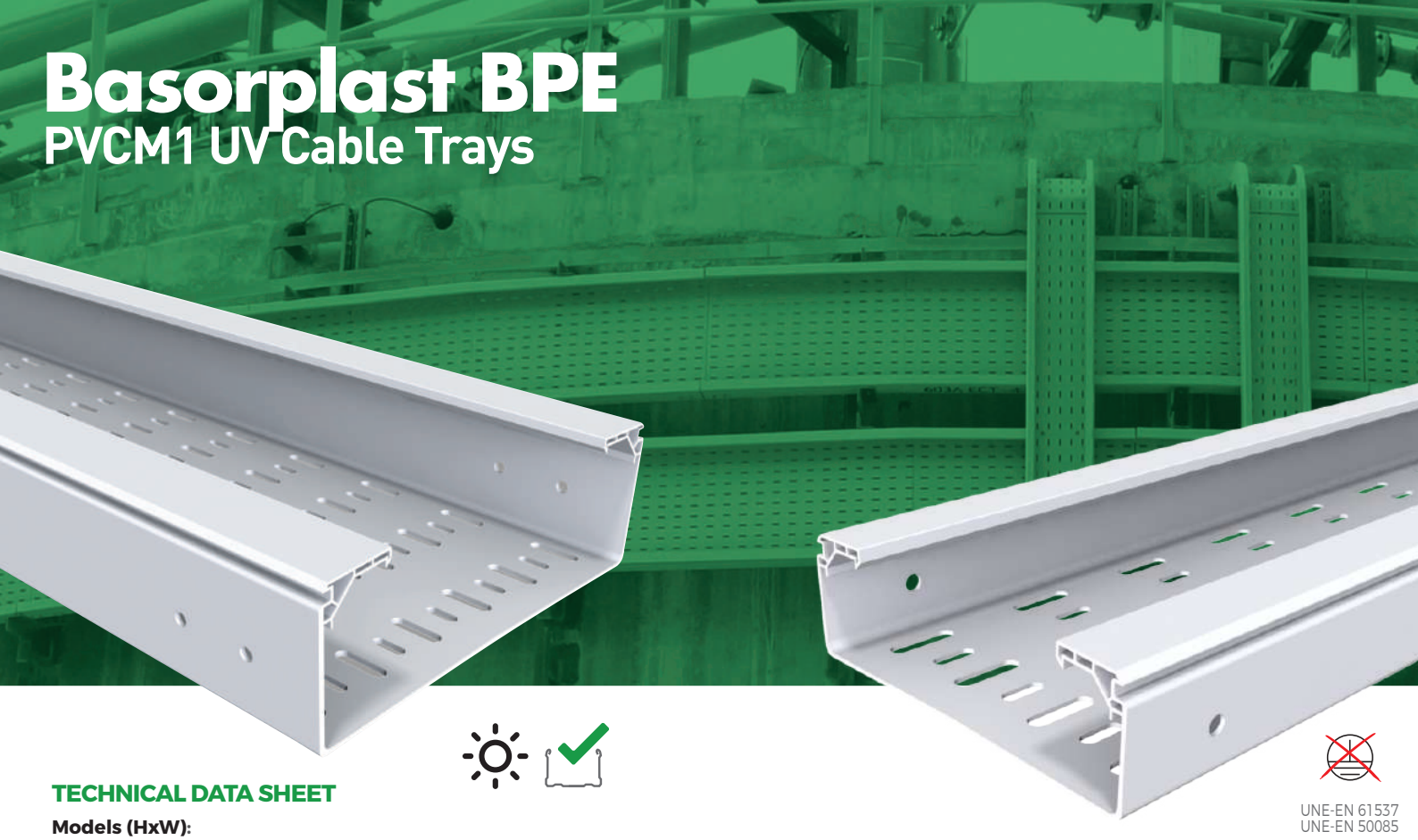
Basorplast BPE
PVCM1 UV Cable Trays



UNE-EN 61537
UNE-EN 50085

TECHNICAL DATA SHEET

Models (HxW):
60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600.
Types: Slotted or solid bottom
Finishes PVC UVM1 RAL 7035

Characteristics of the tray:

- Non metallic system
- Resistant to UV radiation UL568
- Excellent behaviour in outdoor
- Impact strength: 20j except 60x100 with 10J
- Minimum temperature
- Maximum temperature
- Non-Flame propagating
- No electrical continuity
- Insulating
- Dielectric Strength
- High resistance to corrossion substances (DIN 8061 & ISO/TR 10358)
- M1 reaction to fire: UNE 23727
- Glow wire test: 1760°F (960°C) EN 60695-2-11
- Flammability: UL 94-VO, ANSI/UL 94-1995
- LOI > 50% EN ISO 4589
- Comply: RoHS 2011/65/UE
- Raw material without silicone

INSTRUCTIONS FOR USE

Assembly: H60 (2 union joints + 4 bolts) H100 (2 coupler joints + 8 bolts).

Installation: Not allowed under other conduction system such as water, vapour or gas.

Ventilation: Minimum distance between each tray of 250 mm.

Enviroments: Wet, salty and chemical.

Expansions: Depending of the expected growth in the temperature (AT) leave a gap (h) between cable trays according to the following table:

Expected Temp. Growth **GAP**

ΔT (°F)	ΔT (°C)	h (mm)
36	20	5
54	30	7
72	40	9
90	50	11

SAFE WORKING LOADS: RECOMMENDATION

MODELS	IEC 61537 SWL (CTA) kg/m (lb/ft)							
	Temp. Max 40°C (104°F)				Temp. Max 60°C (140°F)			
	1m span		1,5 m span		1m span		1,5 m span	
	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft
BPE-60X100	38	26	24	16	28	19	12	8
BPE-60X150	39	26	25	17	30	20	12	8
BPE-60X200	67	45	38	26	45	30	20	13
BPE-60X300	74	50	45	30	50	34	21	14
BPE-100X200	121	81	87	59	73	49	49	33
BPE-100X300	123	83	89	60	81	54	50	34
BPE-100X400	178	120	108	73	114	77	68	46
BPE-100X600	212	142	121	81	133	89	96	65

NOTE: Tests according to IEC 61537 (limited deflection) Type II test, with 1,7 Safety factor

RoHS

M1
V0
UNE-EN IEC 61537
UNE-EN 50085
UNE 23727
UL94

960°
UNE-EN 60695

60°C
-20°C
UNE-EN 61537

60°C
-15°C
UNE-EN 50085

ISO/TR 10358
DIN 8061

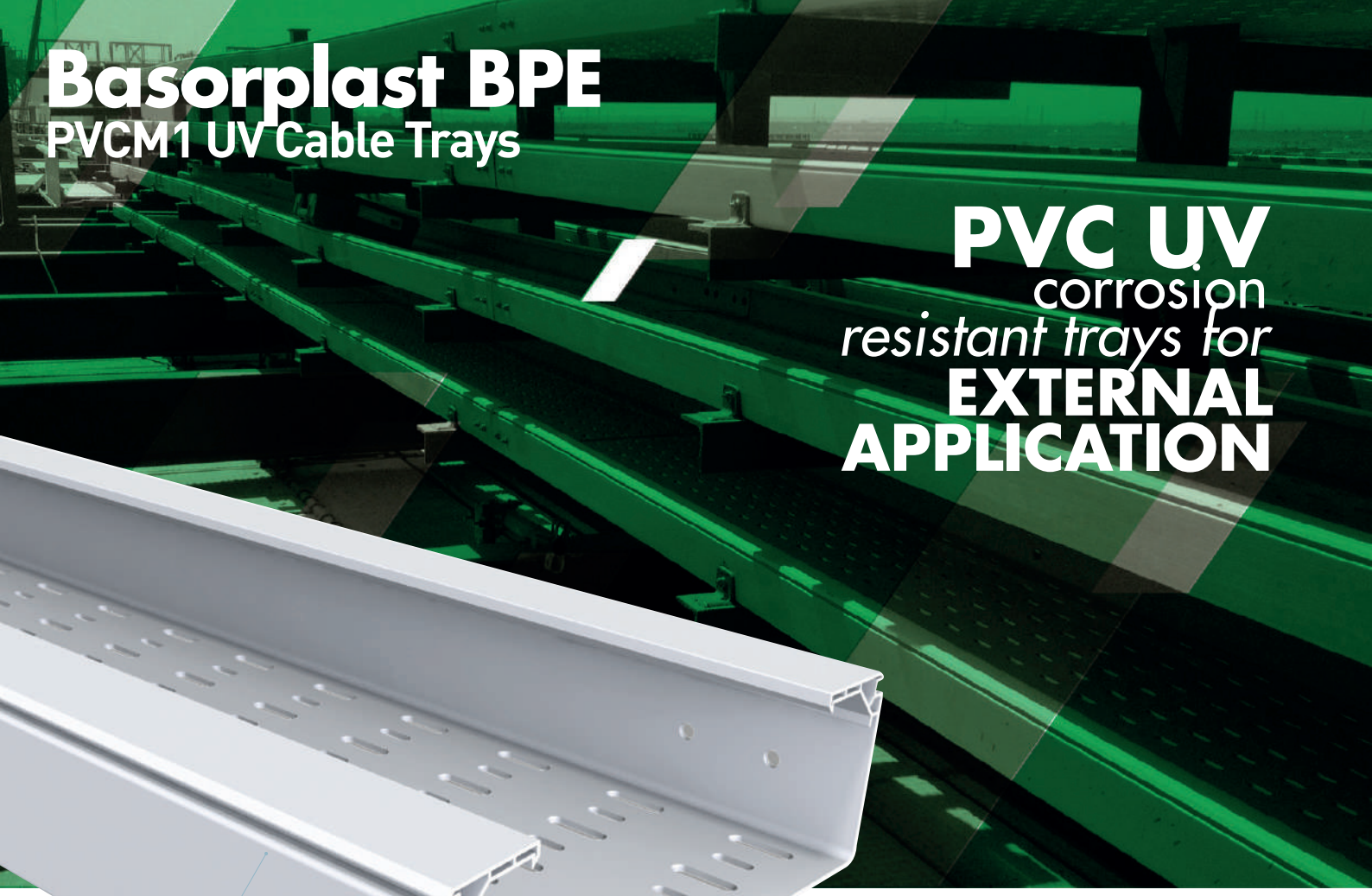
IP3X IP2X
IEC 60529

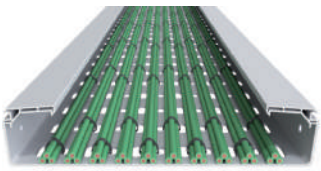
20J
Mod. 60x100 10J
UNE-EN 61537
UNE-EN 50085

IK10 IK07
IEC 50102

Basorplast BPE
PVCM1 UV Cable Trays

PVC UV corrosion *resistant trays for* EXTERNAL APPLICATION





20J
Mod. 60x100 10J
UNE-EN 61537
UNE-EN 50085

IP3X IP2X
IEC 60529

IK10 IK07
IEC 50102

ISO/TR 10358
DIN 8061


TBPE


CPBPE


TCPBPE


CCBPE


TCCBPE


CXBPE


TCXBPE


PDBPE


TFBPE


PSBPE


JUBPE


JUBPE-A


JUBPE-B


CTBP

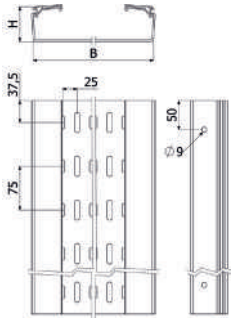
UL CERTIFIED
SAFETY US-CA
E479833

BASORPLAST BPE-P / **H60**

Univolt Part Code	Description	mm	mm	Pack QTY
BPE60X100PVC	BPE 60X100	60	100	6 m
BPE60X150PVC	BPE 60X150	60	150	6 m
BPE60X200PVC	BPE 60X200	60	200	6 m
BPE60X300PVC	BPE 60X300	60	300	6 m

+i

2x +4

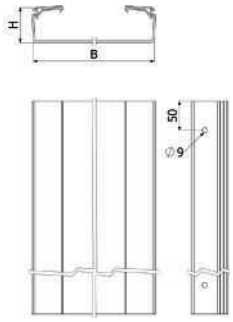


BASORPLAST BPE-C / **H60**

Univolt Part Code	Description	mm	mm	Pack QTY
	BPE 60X100	60	100	6 m
	BPE 60X150	60	150	6 m
	BPE 60X200	60	200	6 m
	BPE 60X300	60	300	6 m

+i

2x +4

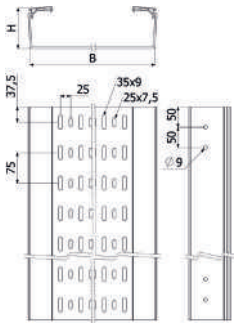


BASORPLAST BPE-P / **H100**

Univolt Part Code	Description	mm	mm	Pack QTY
BPE100X200PVC	BPE 100X200	100	200	6 m
BPE100X300PVC	BPE 100X300	100	300	6 m
BPE100X400PVC	BPE 100X400	100	400	6 m
BPE100X600PVC	BPE 100X600	100	600	6 m

+i

2x +8

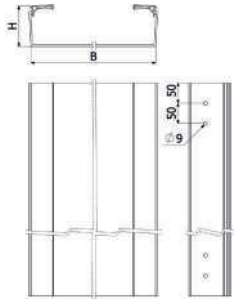


BASORPLAST BPE-C / **H100**

Univolt Part Code	Description	mm	mm	Pack QTY
	BPE 100X200	100	200	6 m
	BPE 100X300	100	300	6 m
	BPE 100X400	100	400	6 m
	BPE 100X600	100	600	6 m

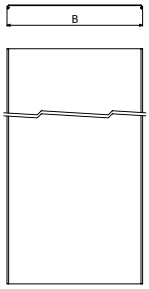
+i

2x +8



COVER - TAPA TBPE

Univolt Part Code	Description	mm	Pack QTY
TBPE100PVC	TBPE 100	100	6 m
TBPE150PVC	TBPE 150	150	6 m
TBPE200PVC	TBPE 200	200	6 m
TBPE300PVC	TBPE 300	300	6 m
TBPE400PVC	TBPE 400	400	6 m
TBPE600PVC	TBPE 600	600	6 m

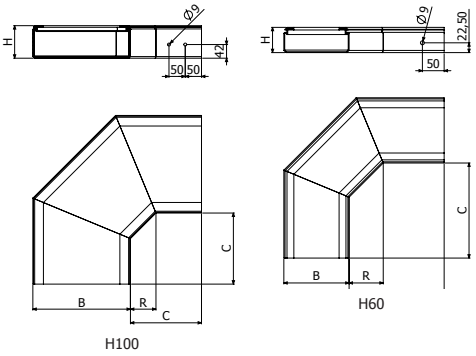


Univolt UK
PVC CABLE TRAYS

FLAT BEND CPBPE 90°

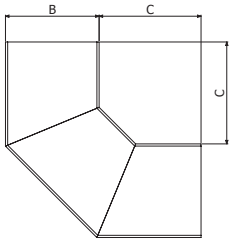
2x +4/8

Univolt Part Code	Description	mm	mm	Pack QTY
CPBPE60X100PVC	CPBPE 60X100	60	100	1 ea
CPBPE60X150PVC	CPBPE 60X150	60	150	1 ea
CPBPE60X200PVC	CPBPE 60X200	60	200	1 ea
CPBPE60X300PVC	CPBPE 60X300	60	300	1 ea
CPBPE100X200/PVC	CPBPE 100X200	100	200	1 ea
CPBPE100X300PVC	CPBPE 100X300	100	300	1 ea
CPBPE100X400PVC	CPBPE 100X400	100	400	1 ea
CPBPE100X600PVC	CPBPE 100X600	100	600	1 ea



COVER FLAT B. TCPBPE 90°

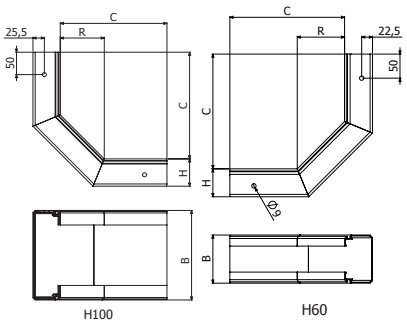
Univolt Part Code	Description	B mm	C mm	Pack QTY
TCPBPE100PVC	TCPBPE 100	100	220	1 ea
TCPBPE150PVC	TCPBPE 150	150	220	1 ea
TCPBPE200PVC	TCPBPE 200	200	220	1 ea
TCPBPE300PVC	TCPBPE 300	300	220	1 ea
TCPBPE400PVC	TCPBPE 400	400	220	1 ea
TCPBPE600PVC	TCPBPE 600	600	240	1 ea



INSIDE BEND CCBPE

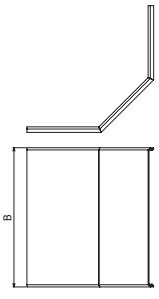
2x +4/8

Univolt Part Code	Description	mm	mm	R mm	Pack QTY
CCBPE60X100PVC	CCBPE 60X100	60	100	240	1 ea
CCBPE60X150PVC	CCBPE 60X150	60	150	240	1 ea
CCBPE60X200PVC	CCBPE 60X200	60	200	240	1 ea
CCBPE60X300PVC	CCBPE 60X300	60	300	240	1 ea
CCBPE100X200PVC	CCBPE 100X200	100	200	275	1 ea
CCBPE100X300PVC	CCBPE 100X300	100	300	275	1 ea
CCBPE100X400PVC	CCBPE 100X400	100	400	275	1 ea
CCBPE100X600PVC	CCBPE 100X600	100	600	275	1 ea



COVER INSIDE B. TCCBPE

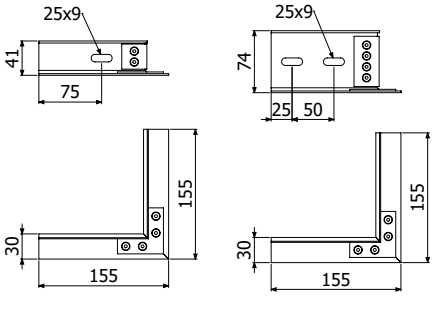
Univolt Part Code	Description	B mm	Pack QTY
TCCBPE60X100PVC	TCCBPE 60X100	100	1 ea
TCCBPE60X150PVC	TCCBPE 60X150	150	1 ea
TCCBPE60X200PVC	TCCBPE 60X200	200	1 ea
TCCBPE60X300PVC	TCCBPE 60X300	300	1 ea
TCCBPE100X200PVC	TCCBPE 100X200	200	1 ea
TCCBPE100X300PVC	TCCBPE 100X300	300	1 ea
TCCBPE100X400PVC	TCCBPE 100X400	400	1 ea
TCCBPE100X600PVC	TCCBPE 100X600	600	1 ea



TEE/CROSS PDBPE

Univolt Part Code	Description	Pack QTY
PDBPE60PVC	PDBPE 60	1 ea
PDBPE100PVC	PDBPE 100	1 ea

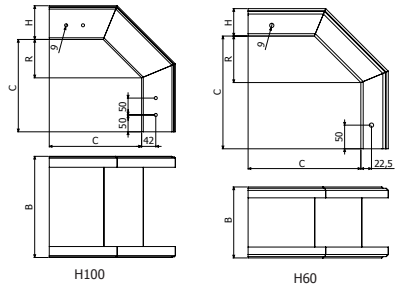
2



BEND CXBPE

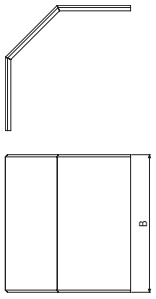
2x +4/8

Univolt Part Code	Description	mm	mm	R mm	Pack QTY
CXBPE60X100PVC	CXBPE 60X100	60	100	240	1 ea
CXBPE60X150PVC	CXBPE 60X150	60	150	240	1 ea
CXBPE60X200PVC	CXBPE 60X200	60	200	240	1 ea
CXBPE60X300PVC	CXBPE 60X300	60	300	240	1 ea
CXBPE100X200PVC	CXBPE 100X200	100	200	275	1 ea
CXBPE100X300PVC	CXBPE 100X300	100	300	275	1 ea
CXBPE100X400PVC	CXBPE 100X400	100	400	275	1 ea
CXBPE100X600PVC	CXBPE 100X600	100	600	275	1 ea



COVER TCXBPE

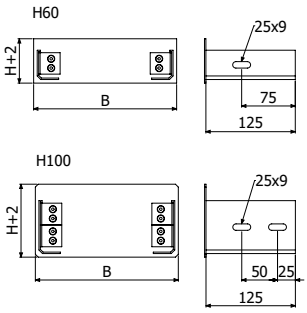
Univolt Part Code	Description	B mm	Pack QTY
TCXBPE60X100PVC	TCXBPE 60X100	100	1 ea
TCXBPE60X150PVC	TCXBPE 60X150	150	1 ea
TCXBPE60X200PVC	TCXBPE 60X200	200	1 ea
TCXBPE60X300PVC	TCXBPE 60X300	300	1 ea
TCXBPE100X200PVC	TCXBPE 100X200	200	1 ea
TCXBPE100X300PVC	TCXBPE 100X300	300	1 ea
TCXBPE100X400PVC	TCXBPE 100X400	400	1 ea
TCXBPE100X600PVC	TCXBPE 100X600	600	1 ea



END COVER TFBPE

2

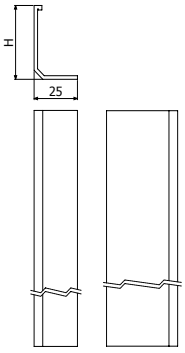
Univolt Part Code	Description	mm	mm	Pack QTY
TFBPE60X100PVC	TFBPE 60X100	60	100	1 ea
TFBPE60X150PVC	TFBPE 60X150	60	150	1 ea
TFBPE60X200PVC	TFBPE 60X200	60	200	1 ea
TFBPE60X300PVC	TFBPE 60X300	60	300	1 ea
TFBPE100X200PVC	TFBPE 100X200	100	200	1 ea
TFBPE100X300PVC	TFBPE 100X300	100	300	1 ea
TFBPE100X400PVC	TFBPE 100X400	100	400	1 ea
TFBPE100X600PVC	TFBPE 100X600	100	600	1 ea



DIVIDER PSBPE

Univolt Part Code	Description	H mm	Pack QTY
PSBPE60PVC	PSBPE 60	60	6 m
PSBPE100PVC	TPSBPE 100	100	6 m

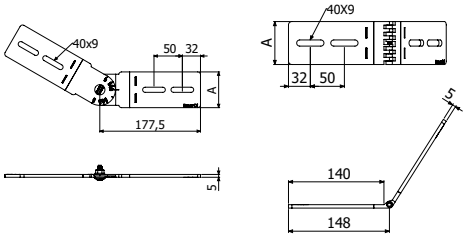
4



HINGED JUBPE-AB

Univolt Part Code	Description	H mm	Pack QTY
JUBPEAB60PVC	JUBPEAB 60	60	1 kit
JUBPEAB100PVC	JUBPEAB 100	100	1 kit

4



Univolt UK
PVC CABLE TRAYS

COUPLERS JUBPE

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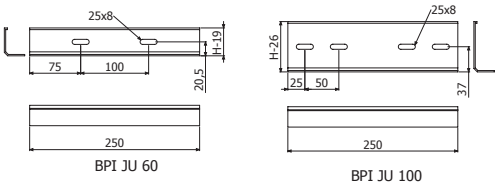
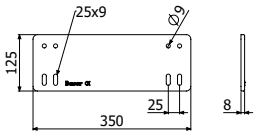
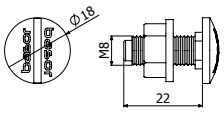
Univolt Part Code	Description	mm	Pack QTY
JUBPE60PVC	JUBPE 60	60	10 ea
JUBPE60PVC	JUBPE 100	100	10 ea
JUBPE-C300600PVC	JUBPE-C 300-600	60/100	10 ea





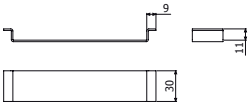
SCREW TCPBPE

Univolt Part Code	Description	Pack QTY
CTBP-100PVC	CTBP-100	100 ea

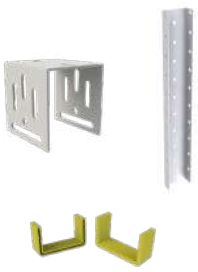


BRIDLE BIK10-BPE

Univolt Part Code	t mm	Description	Pack QTY
BIK60X100	1.5	BIK10-BPE 60X100	10 ea
BIK60X150	1.5	BIK10-BPE 60X150	10 ea
BIK60/100X200	1.5	BIK10-BPE 60/100X200	10 ea
BIK60/100X300	1.5	BIK10-BPE 60/100X300	10 ea
BIK100X400	2	BIK10-BPE 100X400	10 ea
BIK100x600	2	BIK10-BPE 100X600	10 ea

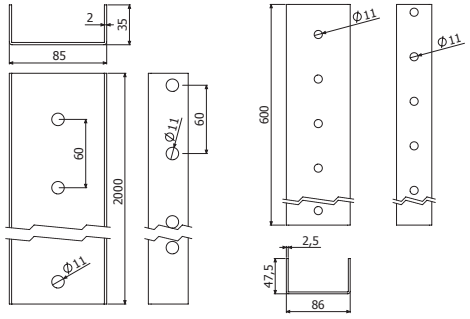


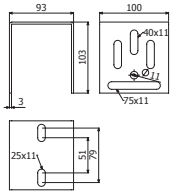
U-PROFILE PSHG-PSHGR



2/4

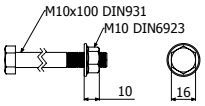
Univolt Part Code	Description	Pack QTY
PSHG2M	PSHG 2M	2 m
PSHGR600	PSHGR 600	2 ea
TFSHGRPVC	TFSHGR PVC	1 ea
KSHGR	KSHGR	1 ea





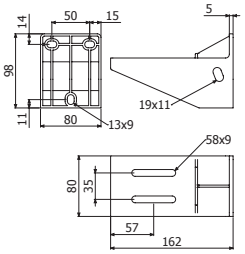
SCREW CT2

Univolt Part Code	Description	Pack QTY
CT2M10X100	CT2 M10X100	50 ea

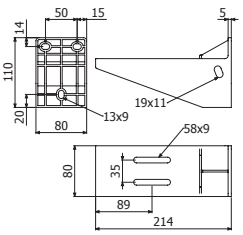


WALL SUPPORT SHG

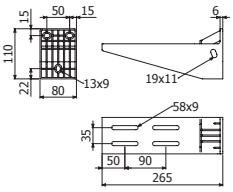
Univolt Part Code	Description	↔ mm	Pack QTY
SHG100PVC	SHG 100	100	1 ea
SHG150PVC	SHG 150	150	1 ea
SHG200PVC	SHG 200	200	1 ea
SHG300PVC	SHG 300	300	1 ea
SHG400PVC	SHG 400	400	1 ea
SHG600PVC	SHG 600	600	1 ea



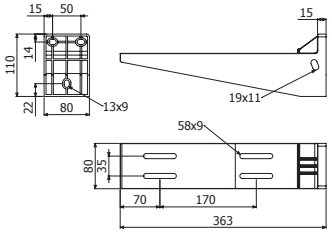
SHG100



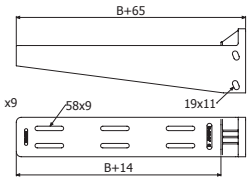
SHG150



SHG200



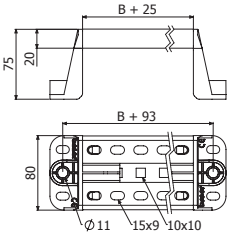
SHG300



SHG 400/600

FLOOR SUPPORT SVG

Univolt Part Code	Description	↔ mm	Pack QTY
SVG100PVC	SVG 100	100	1 ea
SVG150PVC	SVG 150	150	1 ea
SVG200PVC	SVG 200	200	1 ea
SVG300PVC	SVG 300	300	1 ea
SVG400PVC	SVG 400	400	1 ea
SHVG600PVC	SVG 600	600	1 ea



Water treatment

Water treatment is any process that makes water more acceptable for a specific end-use such us drinking, industrial water Supply, irrigation or others. **These kind of places with a lot of humidity need materials such as PVC to avoid the corrosion and guarantee a long life of the installation.**

Desalination plants:

Saline water can be treated to yield fresh water. Two main processes are used, reverse osmosis or distillation. **The PVC trays are perfect to be installed because this material is not affected by salty environment.**

Pumping stations:

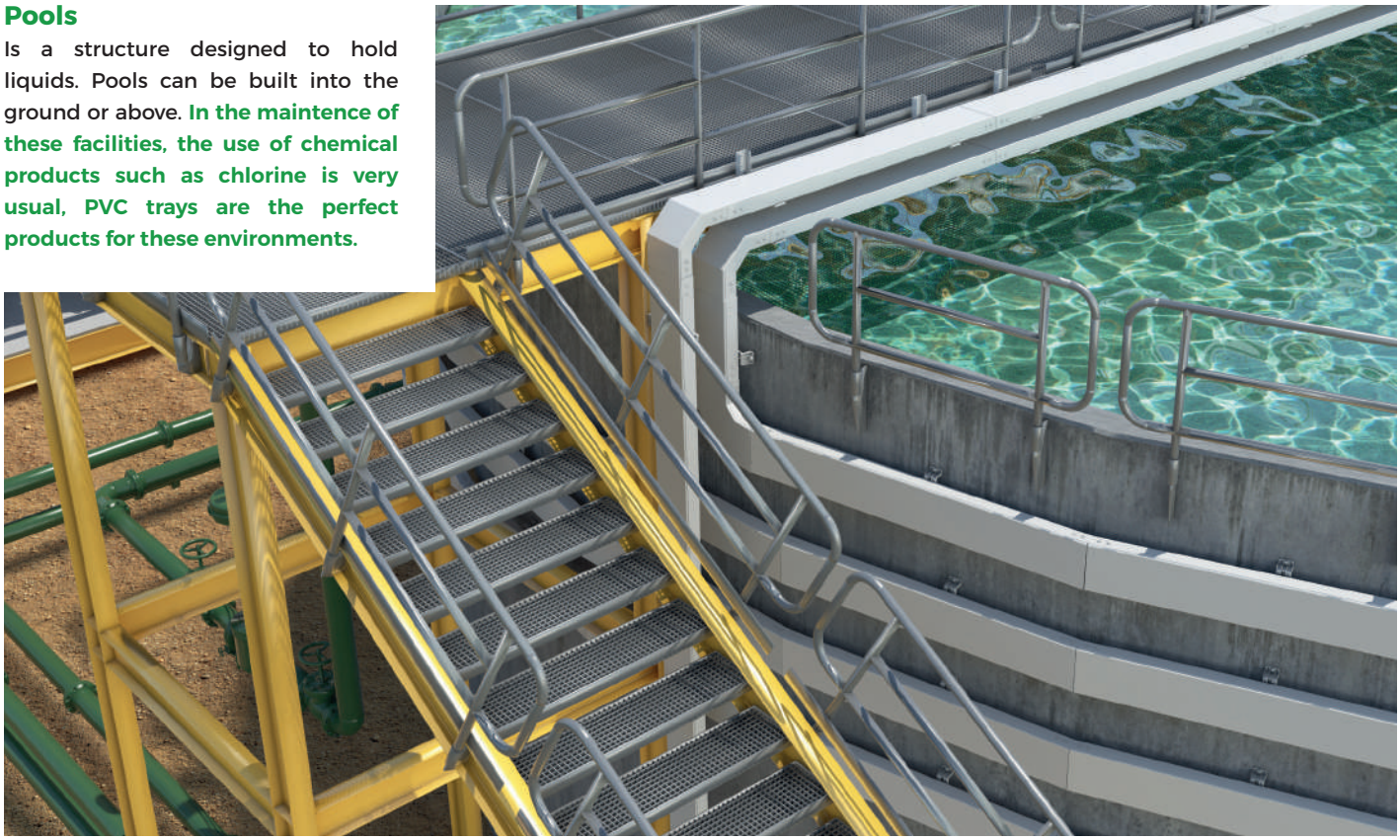
Pumping stations are facilities including pumps and equipment for pumping fluids from one place to another such at canals or stored liquid areas as well as the drainage of low-lying land. **These places need non metallic trays due the big humidity of the environment.**

Wastewater treatment

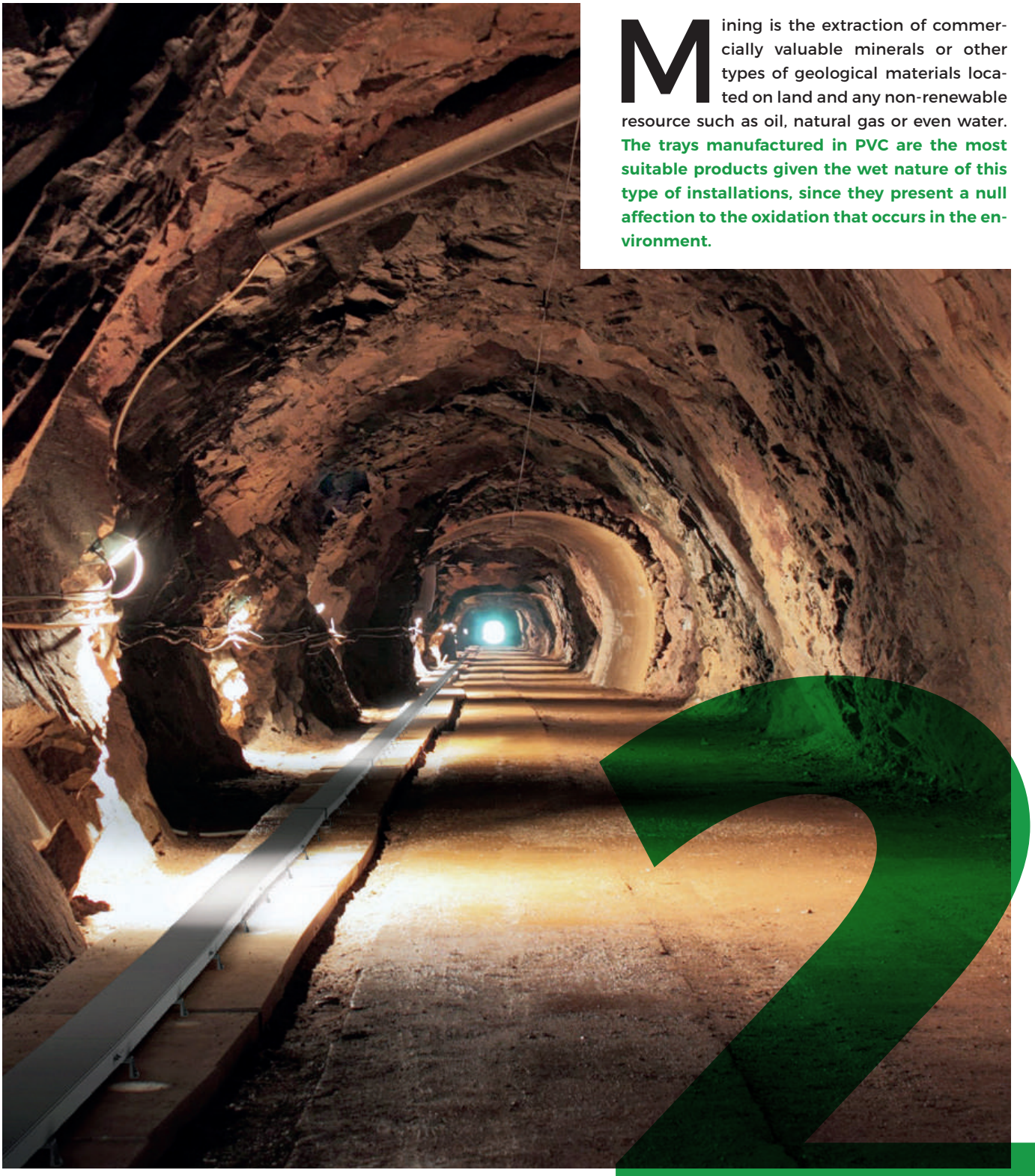
Is a process used to convert water no longer needed into an effluent that can be either returned to the water cyclewith minimal environment issues removing the impurities. This process generates a lot of gases. **These gases are corrosive, for this reason the PVC trays is the most efficient solution to this environments.**

Pools

Is a structure designed to hold liquids. Pools can be built into the ground or above. **In the maintence of these facilities, the use of chemical products such as chlorine is very usual, PVC trays are the perfect products for these environments.**



Mining



Mining is the extraction of commercially valuable minerals or other types of geological materials located on land and any non-renewable resource such as oil, natural gas or even water. **The trays manufactured in PVC are the most suitable products given the wet nature of this type of installations, since they present a null affection to the oxidation that occurs in the environment.**

Chemical industry

3

The chemical industry converts raw materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products through chemical processes. **These chemical environments produce very aggressive atmospheres that affect a lot to the metals, the PVC cable trays are perfect due the big resistance against these aggressive climate.**

Petrochemicals

Also called petroleum distillates, are chemical products derived from petroleum and other fossil fuels, such as coal or natural gas, or renewable sources such as corn or sugar cane. **The processes are made thanks to aggressive distillate that generate humidity environments, the PVC cable trays are the best solution due humidity effects does not impact into the products.**

The pharmaceutical

This industry discovers, develops, produces, and markets drugs or pharmaceutical drugs for use as medications. They are subject to a variety of laws and regulations by the govern about the patenting, testing, safety, efficacy, marketing and production of the drugs. **In the production processes of synthesized drugs with acids, only the non-metal trays as PVC cable trays can be installed thanks to the resistance against acids.**

The pulp and paper industry

Comprises companies that use wood as raw material and produce pulp, paper, board and other cellulose based products. The papermaking process has a low environmental impact, while the paper is not bleached. Bleaching requires the use of hydrogen peroxide, or chlorine dioxide, two highly polluting and aggressive substances. **The PVC cable trays are specially designed and formulated to respond to these environments with hardness and durability.**

A fertilizer

A fertilizer is any material of natural or synthetic origin that is applied to soils or to plant tissues to supply one or more plant nutrients essential to the growth of plants. This goal is met in two ways, additives that provide nutrients or modifying the water retention and aeration. **These plants where the fertilizers are made, produce acid and alkaline environments, the PVC cable trays are the best solution due the proven resistance against these environments.**

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Railways infraestructures

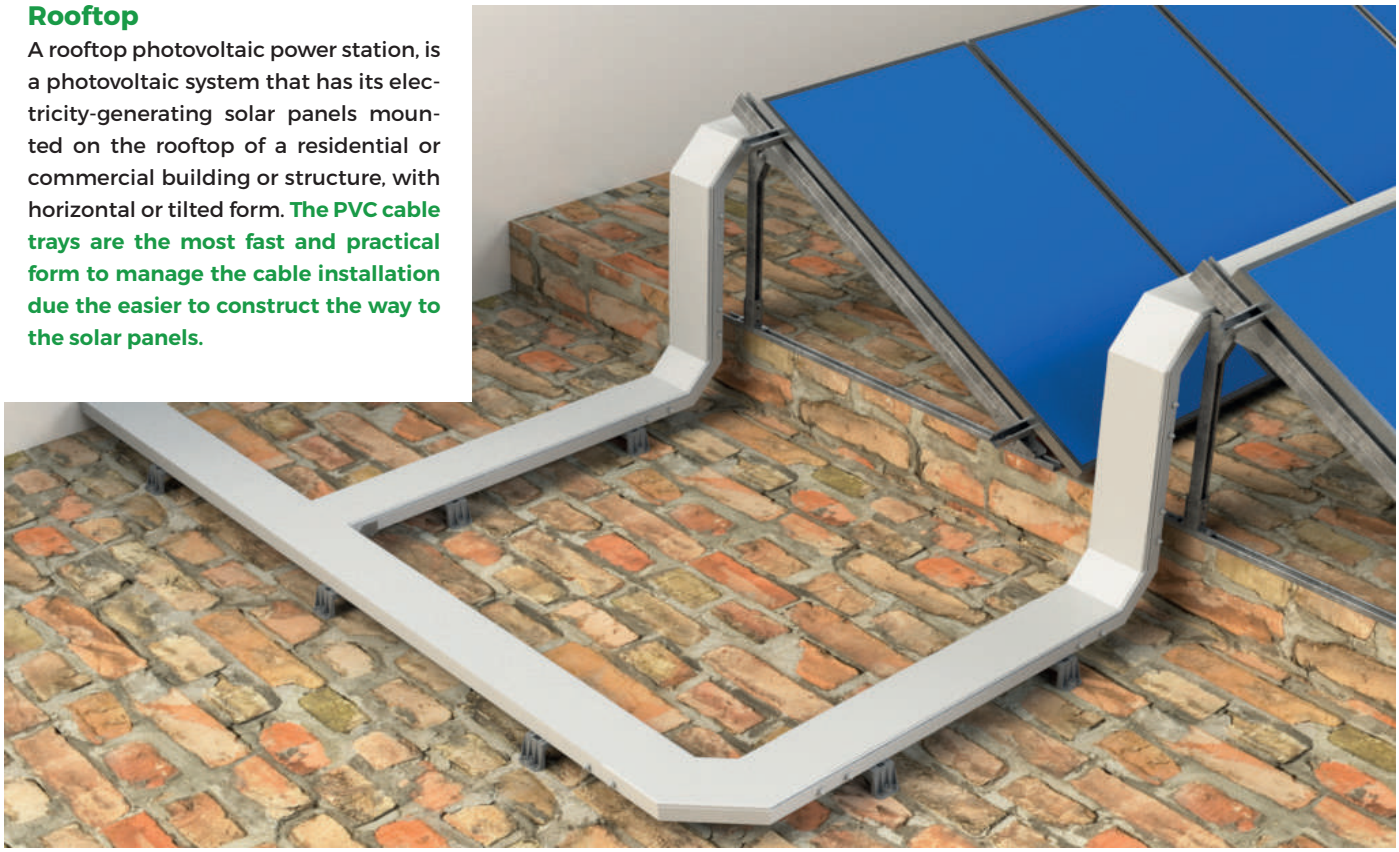
Rail transport is a means of conveyance of passengers and goods on wheeled vehicles running on rails, also known as tracks. It is also commonly referred to as train transport. Tracks, stations, catenaries and substations are the most important infrastructures for the railways industry. **The PVC cable trays are specially designed for outdoor installations as tracks or catenaries and indoor as stations or substations, places where the humidity is high and can affect to the metals.**

Solar installations

The solar energy is the energy obtained by the light and heat catchment made by the sun. These installations transform the solar radiation into electrical energy through photovoltaic panels, making possible the accumulation into batteries. All these installations are outdoor, where the inclement weather affect directly. **The PVC cable trays are specially designed to be installed at outdoor environments, having an excellent resistance against the rain and humidity without any kind of oxidation.**

Rooftop

A rooftop photovoltaic power station, is a photovoltaic system that has its electricity-generating solar panels mounted on the rooftop of a residential or commercial building or structure, with horizontal or tilted form. **The PVC cable trays are the most fast and practical form to manage the cable installation due the easier to construct the way to the solar panels.**



Solar Farm

A Solar Farm is a photovoltaic power station, with a large-scale photovoltaic system designed for the supply of merchant power into the electricity grid at the utility level, rather than to a local user or users. **The PVC cable trays are the most fast and practical form to manage the cable installation due the easier to construct the way to the solar panels.**

Sea and ports infrastructure

A port infrastructure is a location on a coast or shore containing one or more harbours where ships can dock and transfer people or cargo to or from land. Port locations are selected to optimize access to land and navigable water, for commercial demand, and for shelter from wind and waves. **The PVC trays are perfect to be installed due the salt environments does not affect to the Basorplast.**

Harbour crane

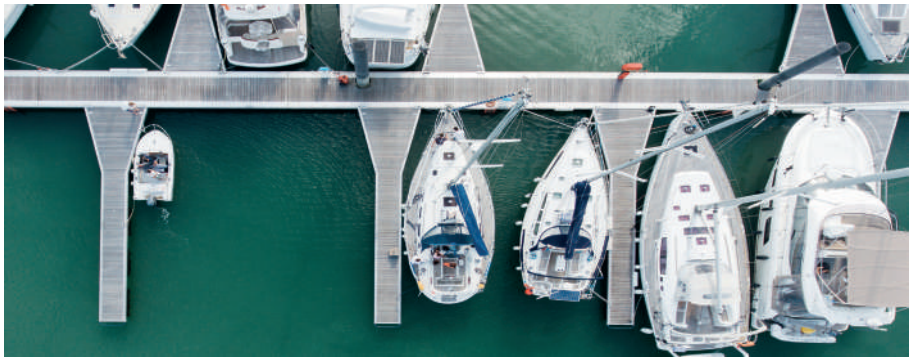
Is a type of machine, generally equipped with a hoist rope, wire ropes or chains, and sheaves, that can be used both to lift and lower materials and to move them horizontally. It is mainly used for lifting heavy things and transporting them to other places. **Cranes are commonly affected by the salty winds, the PVC cable trays are the best solution against the oxidation.**

Dam barrier

Is a barrier that impounds water or underground streams. Hydropower is often used in conjunction with dams to generate electricity. **Dams generally are very humid and salt windy areas where the PVC cable trays does not affect it and are the best solution for these kind of works.**

Dock

A dock is either the area of water between or next to a human-made structure or group of structures involved in the handling of boats or ships, usually on or close to a shore, or the structures themselves. **Docks are very humid areas where the PVC cable trays does not affect it and are the best solution for the electrical installations.**

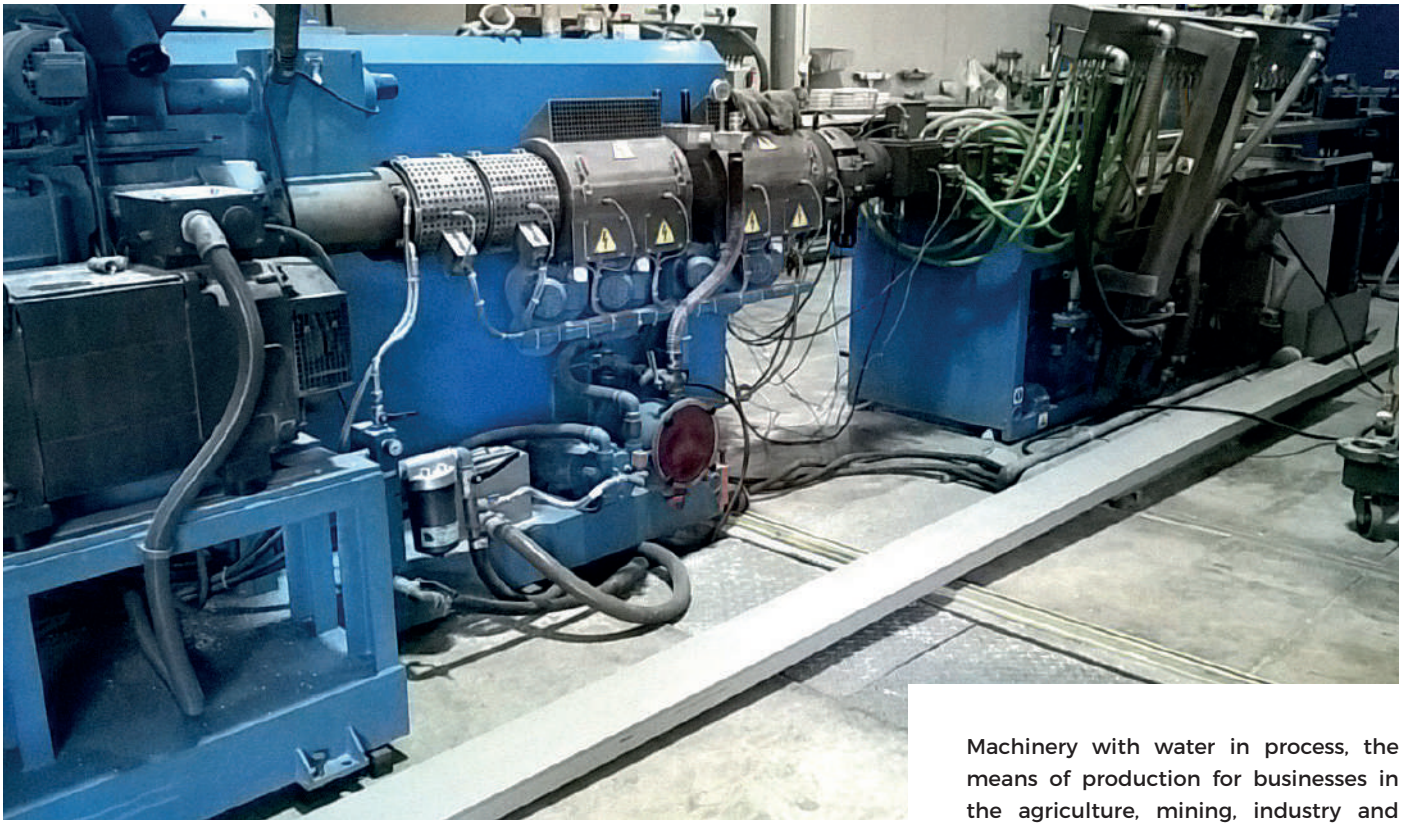


Boarding Bridge

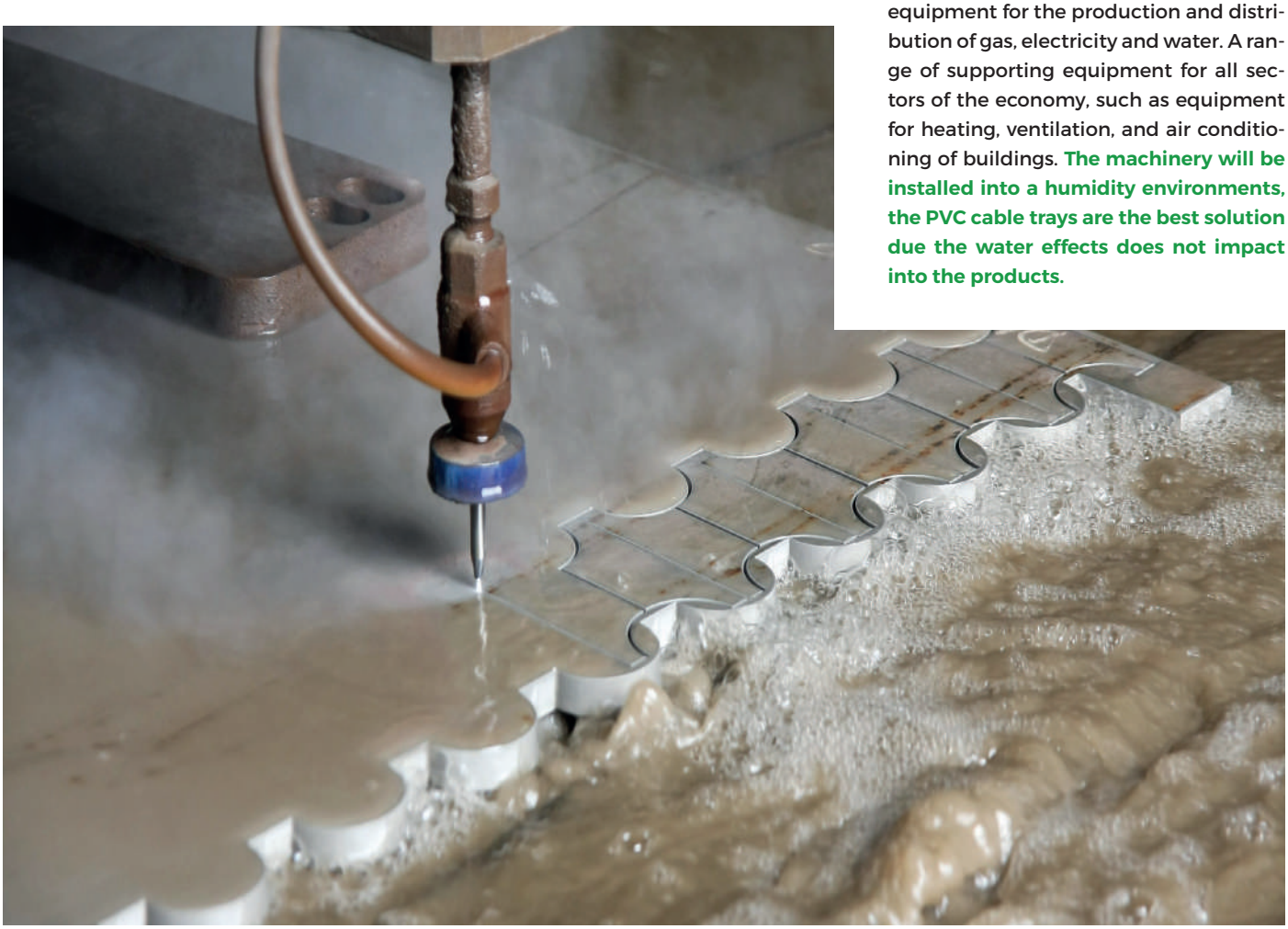
Is a platform used to the entry the passengers onto a watercraft that can be located in harbour or at sea. Boarding starts with entering of the first passenger and ends with the seating of each passenger and closure of the doors. **Boarding bridges are located at very humid areas where the PVC cable trays does not affect it and are the best solution for the cable management.**

Machine building

The machine industry is a subsector of the industry, that produces and maintains machines for consumers, the industry, and most other companies in the economy. There are a strong sector for the machinery with water in process. **These machines and its functions, produce humid environments where the PVC cable trays are the correct option to manage the cables installation due its resistance to humidity.**



Machinery with water in process, the means of production for businesses in the agriculture, mining, industry and construction or public utility, such as equipment for the production and distribution of gas, electricity and water. A range of supporting equipment for all sectors of the economy, such as equipment for heating, ventilation, and air conditioning of buildings. **The machinery will be installed into a humidity environments, the PVC cable trays are the best solution due the water effects does not impact into the products.**



Shore and cost infrastructure

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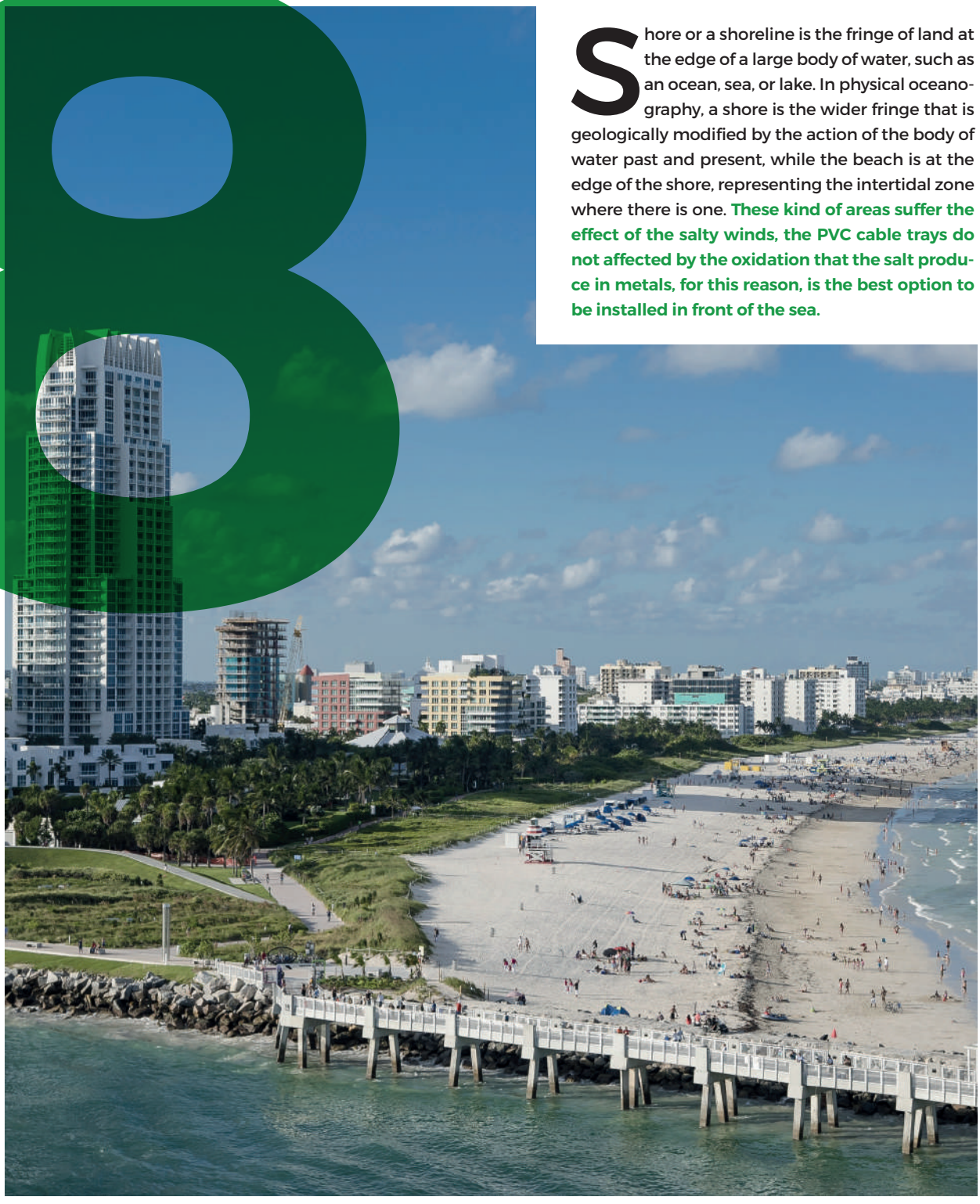

Shore or a shoreline is the fringe of land at the edge of a large body of water, such as an ocean, sea, or lake. In physical oceanography, a shore is the wider fringe that is geologically modified by the action of the body of water past and present, while the beach is at the edge of the shore, representing the intertidal zone where there is one. **These kind of areas suffer the effect of the salty winds, the PVC cable trays do not affected by the oxidation that the salt produce in metals, for this reason, is the best option to be installed in front of the sea.**

HOTEL

A hotel is an establishment that provides lodging paid on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites. The hotels located at beach areas or near from the sea, are affected directly by the humid and the salty winds every day. **The PVC cable trays are specially designed to not be affected by these situation, being the best option for this kind of installation.**

TERTIARY BUILDING

A commercial or tertiary building is a building that is used for commercial use. Types can include office buildings, warehouses, or retail. In beach locations, a commercial building often combines functions, such as an apartments on levels 2-10, with retail on floor 1. The buildings located at beach areas or near from the sea, are affected directly by the humid and the salty winds every day. **The PVC cable trays are specially designed to not be affected by these situation, being the best option for this kind of installation.**

Metal chemical industry

The production of metals involves the chemical processing to extract the metal that contain, and the mixure of metals, sometimes with other elements to produce alloys. **These process are highly aggressive due the sulphur generated, the PVC cable trays are the most convenient solution thanks to the big resistance against it.**

Metallurgy

Is a domain of materials science and engineering that studies the physical and chemical behaviour of metallic elements, their intermetallic compounds, and their mixtures, which are called alloys. The production of metals involves chemical processing to produce alloys. **These processes produce zinc and lead atmospheres, the PVC cable trays are designed to hold on these environments with a long life.**

Electrolytic Refining

An electrolytic process is the use of electrolysis industrially to refine metals or compounds at a high purity and low cost. Some examples are the Hall-Héroult process used for aluminium, or the production of hydrogen from water. **These processes generate humidity environments, the PVC cable trays does not affect it and are the best solution for these works.**

Other auxiliary processes:

- **Natural-gas** processing is a complex industrial process designed to clean raw natural gas by separating impurities and various non-methane hydrocarbons and fluids to produce what is known as pipeline quality dry natural gas.
- **Electroslag remelting** (ESR), also known as electro-flux remelting, is a process of remelting and refining steel and other alloys for mission-critical applications in aircraft, thermal power stations, nuclear power plants, military technology... **The PVC cable trays are the best solution for the gas and electroslag environments due to its high resistance to the gas and remelting effects.**

- **A cooling tower** is a heat rejection device that rejects waste heat to the atmosphere through the cooling of a water stream to a lower temperature.
- **A galvanization plan**t or treatment plant is a common place to put extra coatings to the metals. These processes produce vapours and aggressive environments.

The PVC cable trays are the most convenient material for vapour atmosphere thanks to the good behaviour at humid environments.

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Products that the PVC tray can replace

The PVC cable trays can replace other materials with a high resistance against the corrosion, salinity or humidity like **Fiberglass, stainless steel 304, stainless steel 316 or aluminum.**

Main Advantages:

Excellent corrosion behavior for chemical and saline environment

Electrical safety: Insulating material, earthing not required. Specially important in installations in areas where there are access for people. In a metal tray with a bad grounding, or conicide in the middle of 2 crossbeams, is potentially dangerous if it is touched. Due the pvc trays are insulating, these situations are not danger, even if there are a bare wire inside, the tray remains secure if you touch it.

Avoids creepage, hot spots and electrical arcs.

Good performance outdoors and to corrosion, over 40 years experience in outdoor installations.

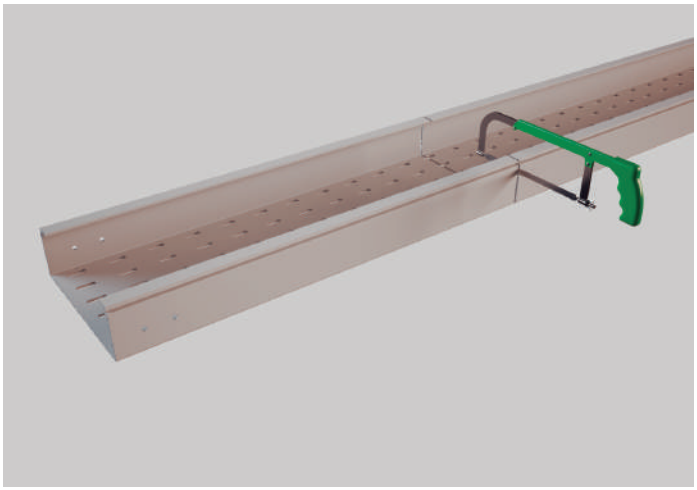
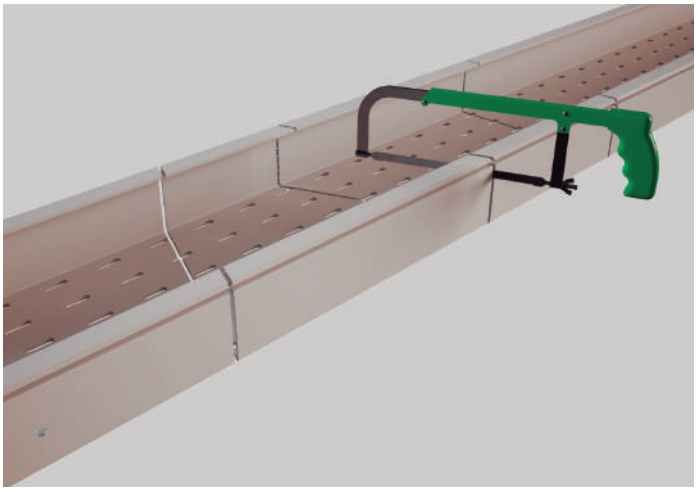
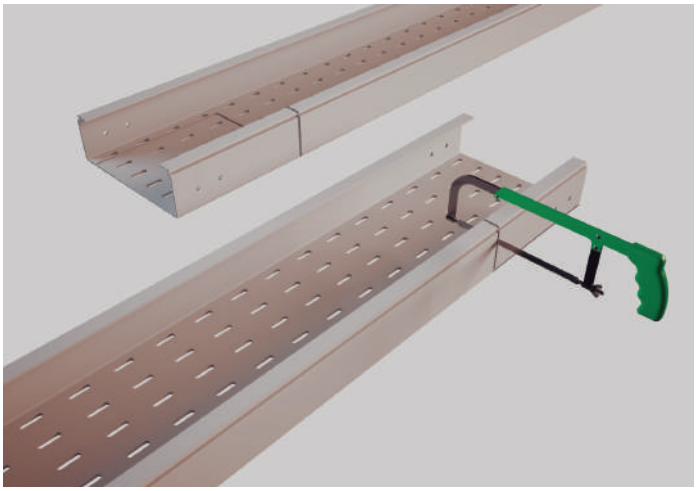
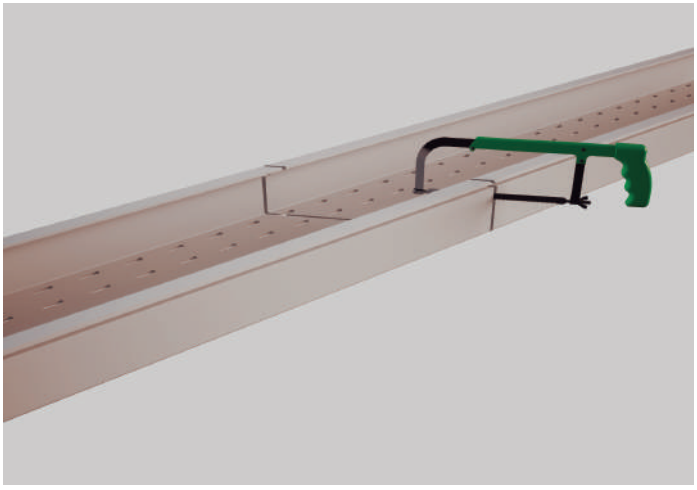
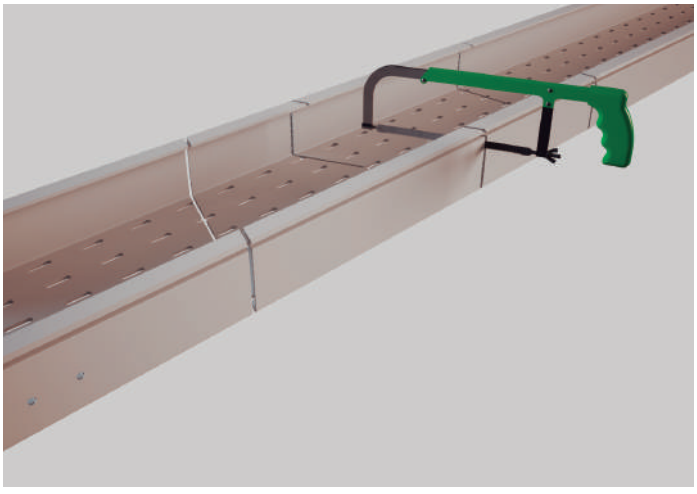
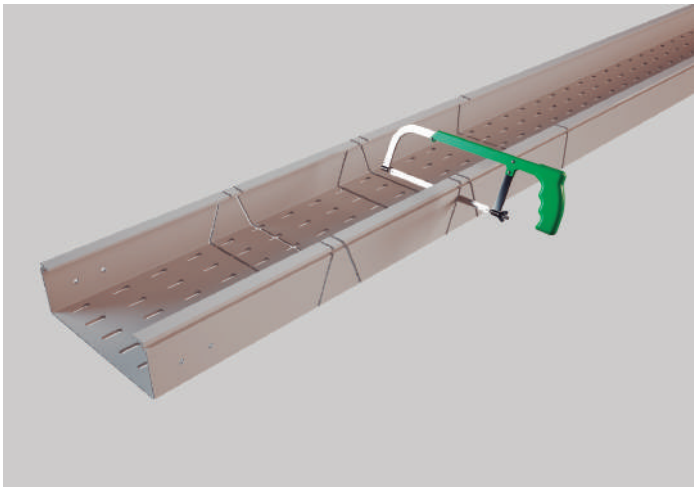
No maintenance.

	ADVANTAGES	DISADVANTAGES
FiberGlass Cable Tray, Cable Ladder	Cost efficient	Lowest admissible working load
	Equal or better chemical behavior	
	Self extinguising	Greater limitation of working temperatures
	Recyclable	
	Weithg Product for comfort installation.	
Stainless Steel Cable Tray, Cable Ladder	Major Electrical Safety of the installation, does not have electrical continuity	Lowest admissible working load
	Cost efficient	Greater limitation of working temperatures
	Facing SS304 better performance in saline environment	
Aluminium Cable Tray and Cable Ladder	Major Electrical Safety of the installation, does not have electrical continuity	Lowest admissible working load
	Cost efficient	
	Best corrosion behavior for aluminum (NO Anodized, 100% welding cable ladders)	Greater limitation of working temperatures

Cutting

Basorplast cable tray is made from a PVC material that can be cut using a standard hand cutting saw with a fine-tooth cutting blade.

Lightly sand any rough surfaces for optium results.

Tools and mounting accessories

Mounting accessories

Screws and nuts:
PVC sets of screwss and nuts for all the list of union joints (210017).

Standard union joint:
Straight PVC union joint available for high 60 (210084) and high 100 (210085).

Vertical union joint:
Articulated painted stainless steel 304 union joint available for high 60 (205036) and high 100 (205037).

Horizontal union joint:
Mobible painted stainless steel 304 union joint available for high 60 (203520) and high 100 (205038).

Metal TEE/CROSS Piece:
Angle made of pre-galvanized painted metal standard for high 60 and high 100 (210127).

PVC TEE/CROSS Piece:
Angle made of PVC for high 60 (223021) and high 100 (223022).

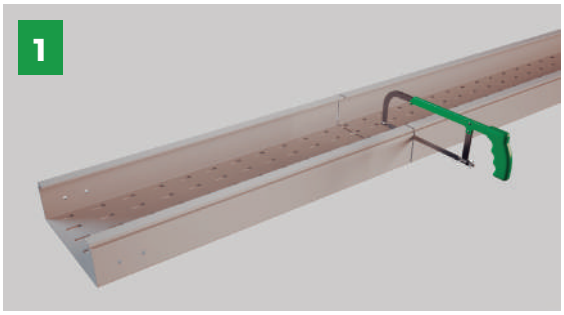
Tools / Herramientas

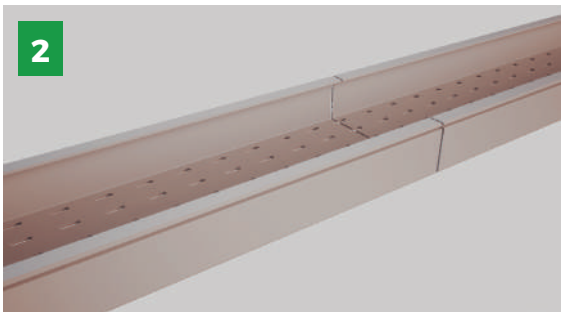
Electric Drill:
Use an electric drill machine and a borer to drill (of the n°8)

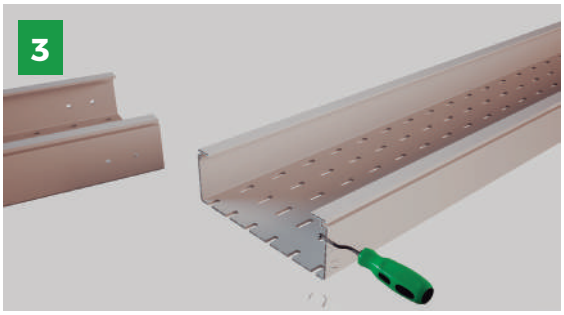
Cutting saw:
Use an standard cutting saw for PVC materials.

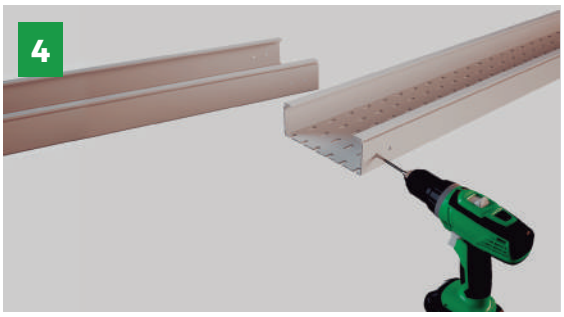
De-Burr Machine:
Use an small hand re-burr cutter for all materials.

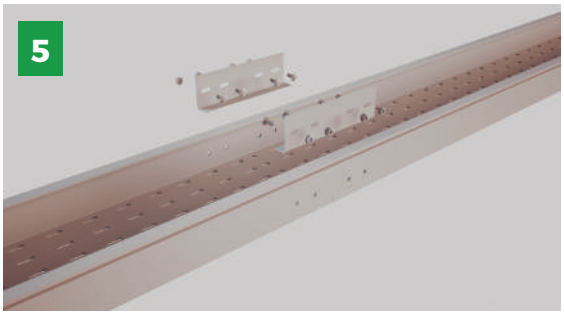
Straight Junctions

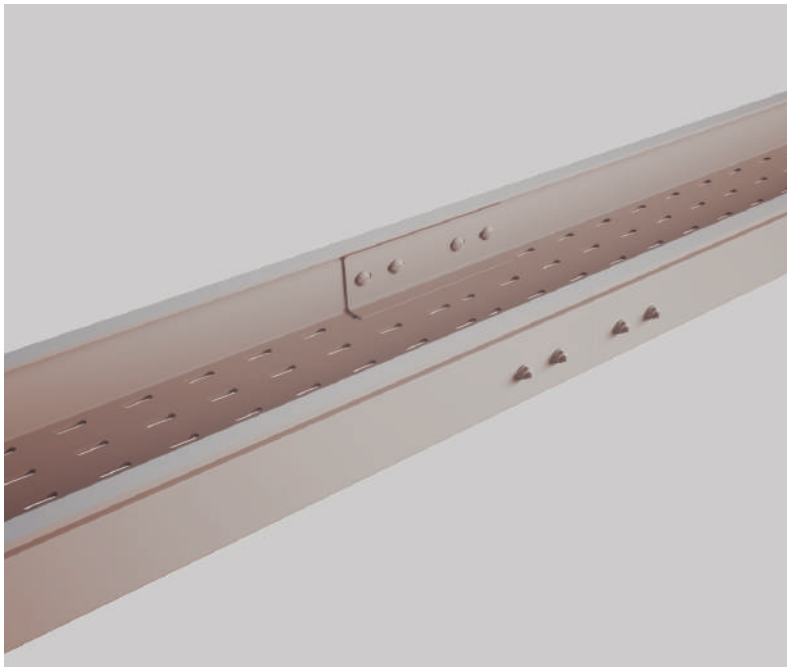








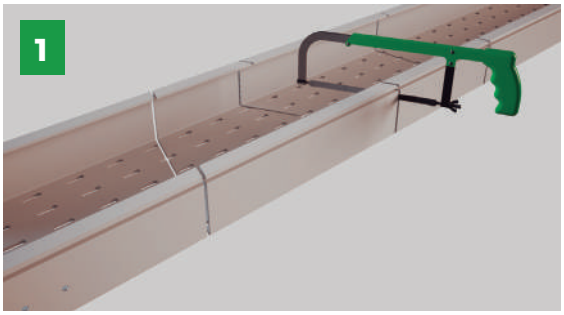


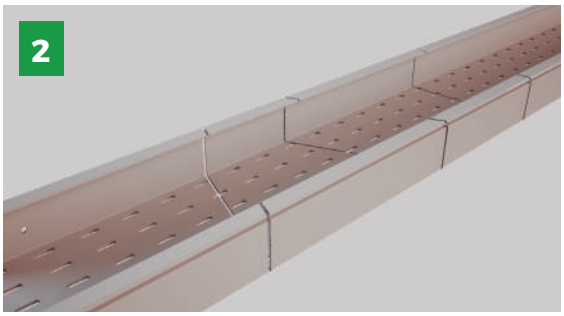


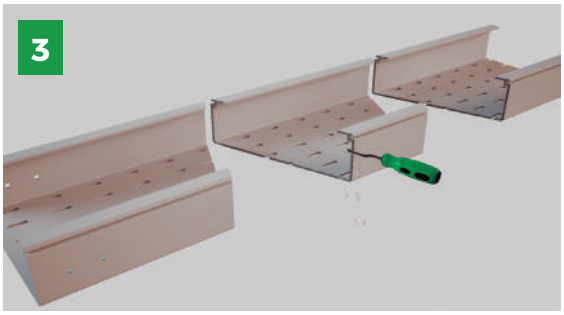
INSTRUCTIONS
STRAIGHT SECTIONS

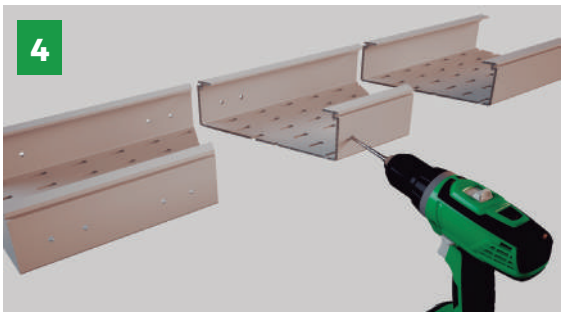
1. Cut the tray piece with the cutting saw into 2 pieces making a straight cut.
2. Separate the 2 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 2 holes (for high 60) or 4 holes (for high 100) on each piece with the electric drill.
5. Put 2 union joints JUBPE (210084 for the 60mm height or 210085 for the 100mm) in the correct possition and fix the union joints on the tray using 4 screws (for high 60) or 8 screws (for high 100) B2-P (210017).

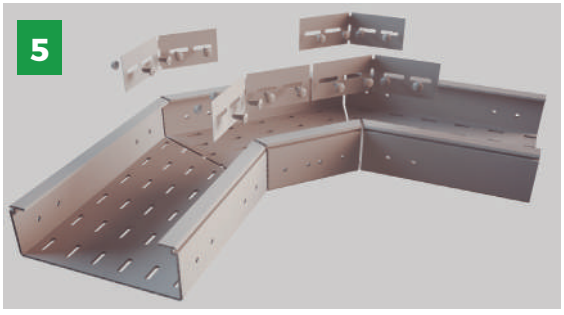
Horizontal Bends / Small Radius

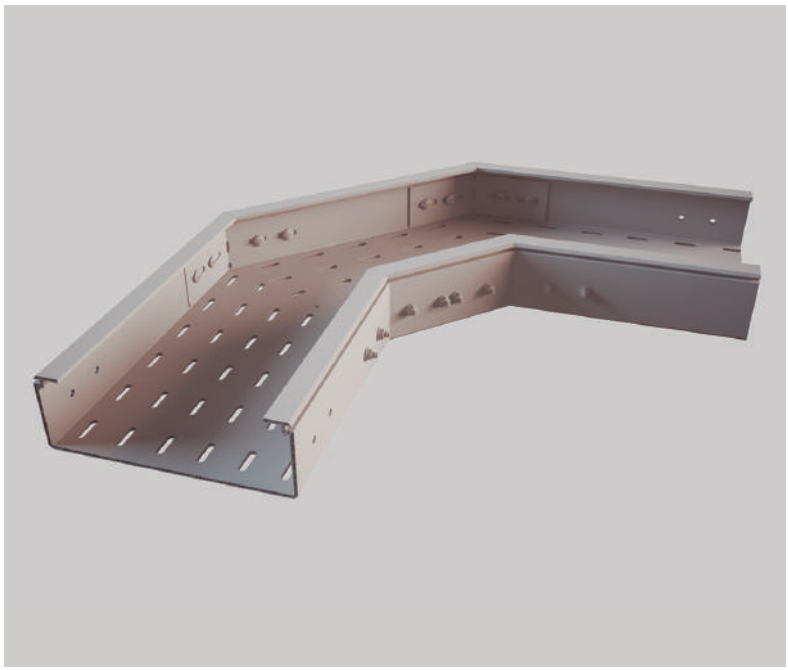








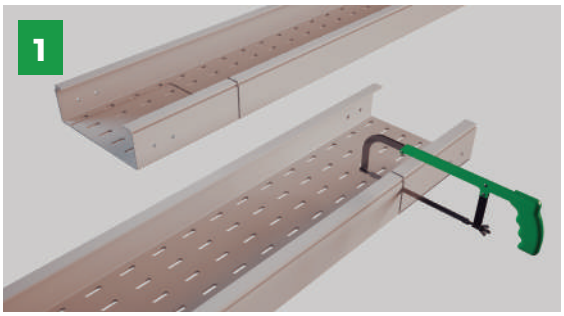


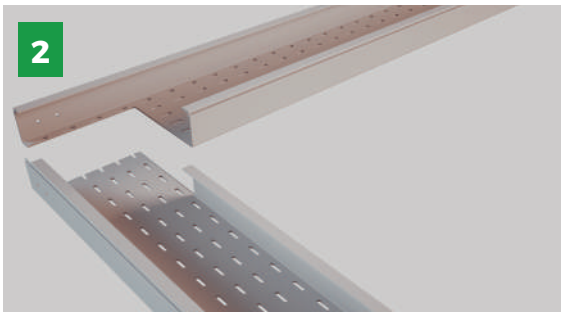


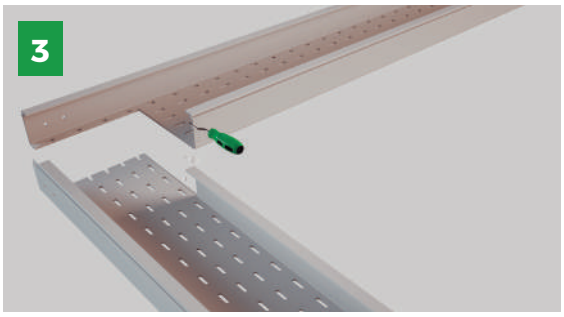
INSTRUCTIONS
HORIZONTAL BEND
SMALL RADIUS

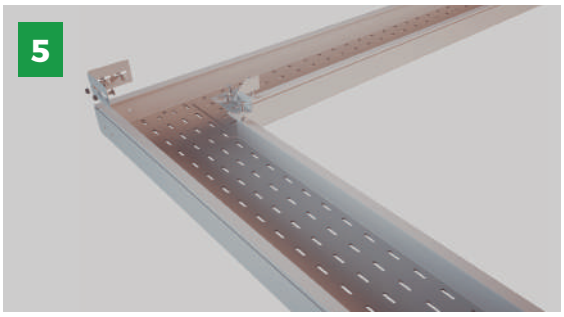
1. Cut the tray piece with the cutting saw in 3 pieces making a 45° cut.
2. Separate the 3 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 8 holes on each piece with the electric drill.
5. Put 4 union joints JUBPE-B (203520 for the 60mm height or 205038 for the 100mm) in the correct possition and fix the union joints on the tray using 16 screws B2-P (210017).

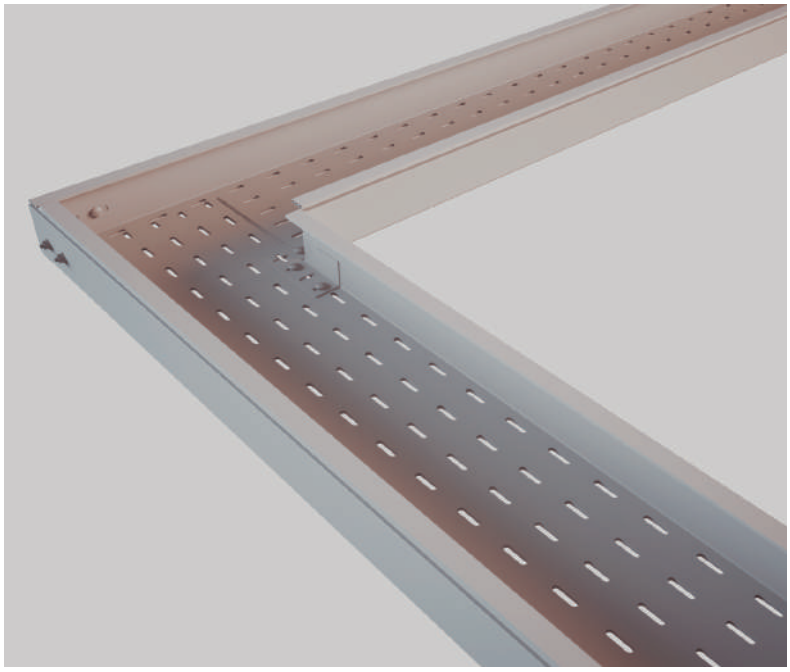
Horizontal Bends / Right Radius







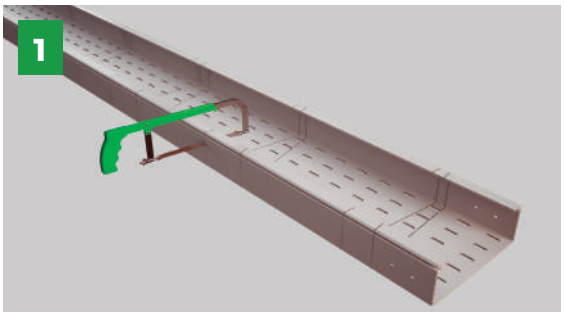


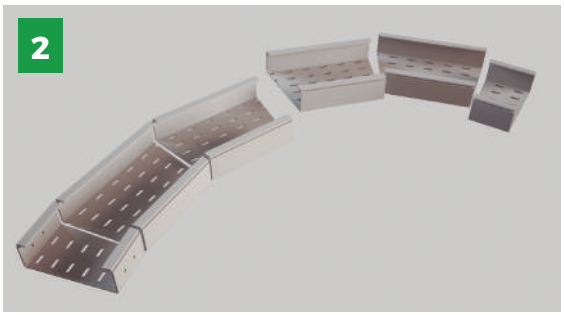


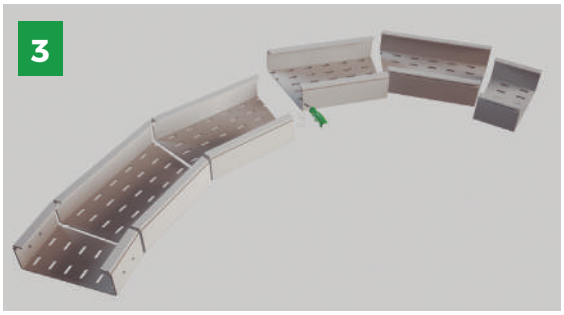
INSTRUCTIONS HORIZONTAL BEND RIGHT RADIUS

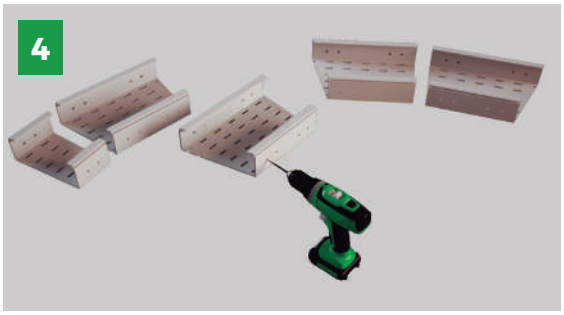
1. Cut the tray piece 1 removing the base and cut the tray piece 2 removing the side body, both with the cutting saw.
2. Separate the 2 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 1 union joint JUBPE-B (203520 for the 60mm height or 205038 for the 100mm) and 1 PDBPE (210127) in the correct possition and fix the union joints on the tray using 8 screws B2-P (210017).

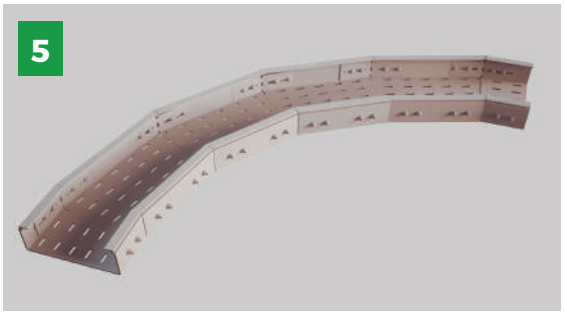
Horizontal Bends / Large Radius

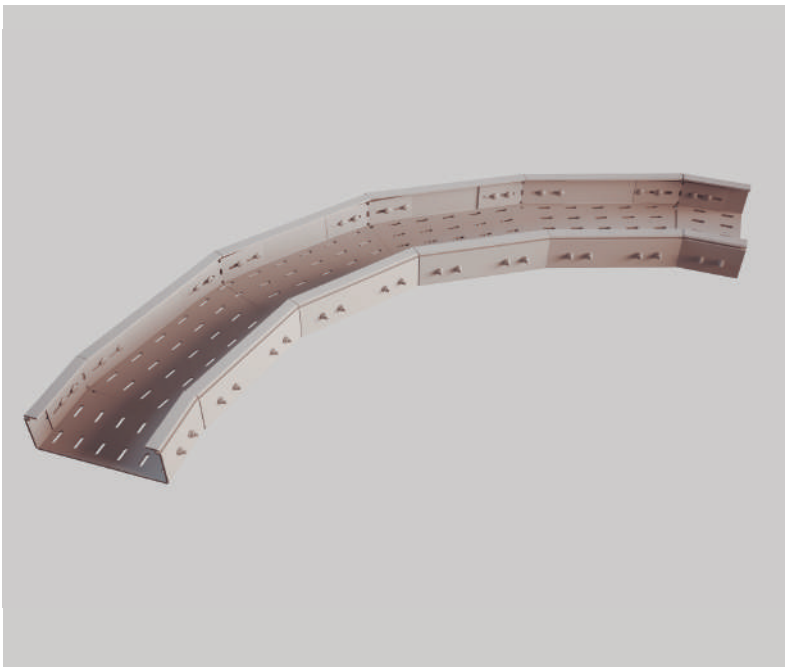








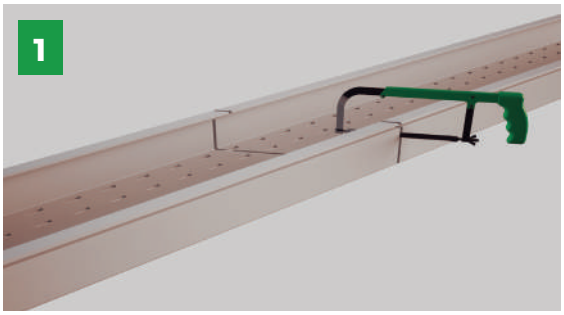


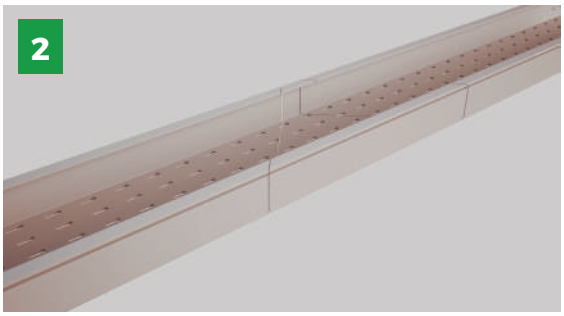


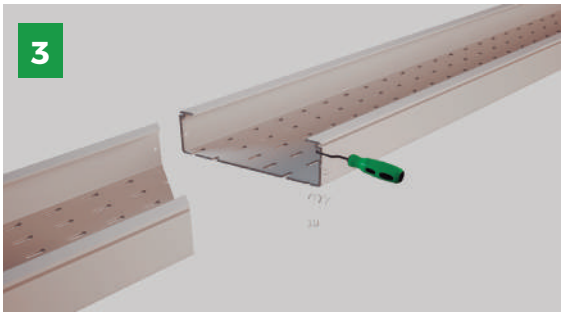
INSTRUCTIONS
HORIZONTAL BEND
LARGE RADIUS

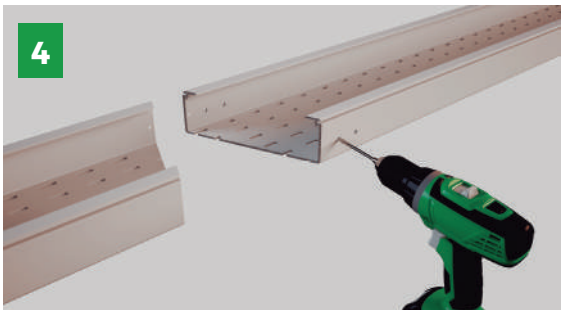
1. Cut the tray piece with the cutting saw in 6 pieces making a 45° cut.
2. Separate the 6 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 10 union joints JUBPE-B (203520 for the 60mm or 205038 for the 100mm) in the correct possition and fix the union joints on the tray using 40 screws B2-P (210017).

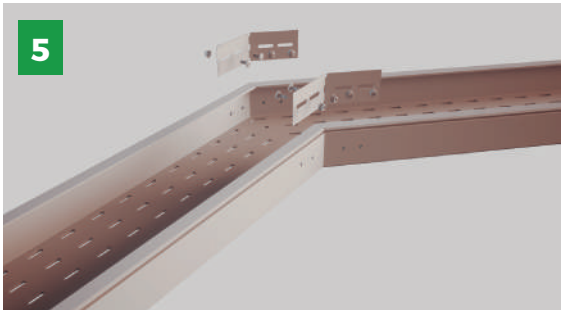
Horizontal Bends / Other Radius







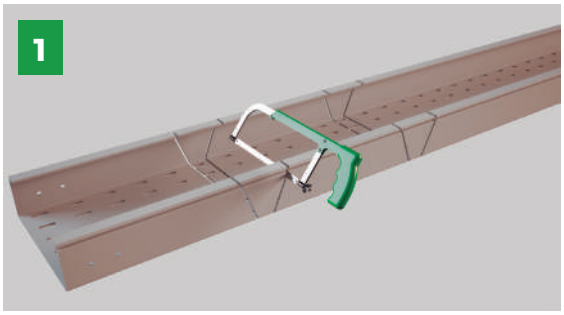


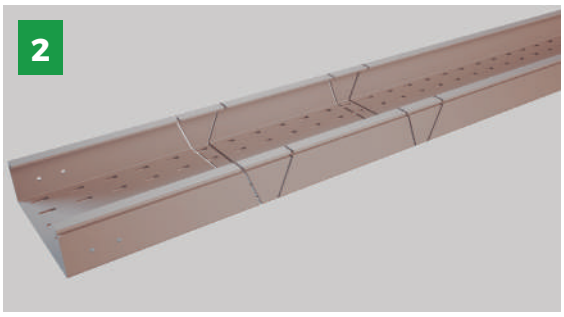


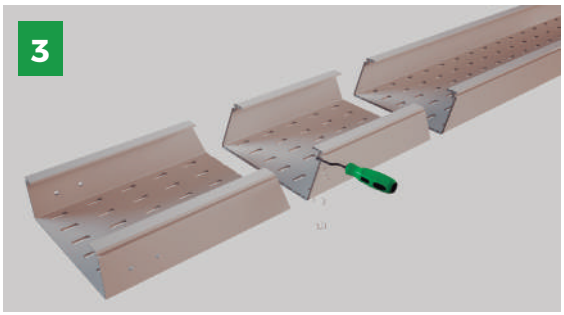
INSTRUCTIONS HORIZONTAL BEND OTHER RADIUS

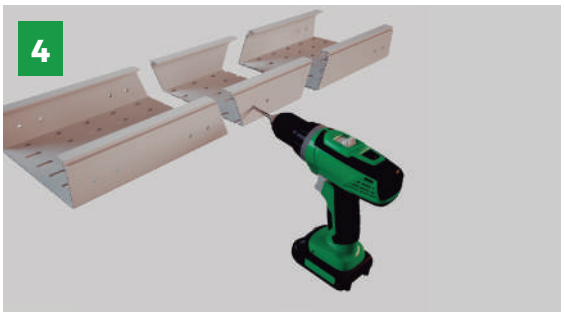
1. Cut the tray piece with the cutting saw in 2 pieces making a 45° cut.
2. Separate the 2 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 2 union joints JUBPE-B (203520 for the 60mm or 205038 for the 100mm) in the correct possition and fix the union joints on the tray using 8 screws B2-P (210017).

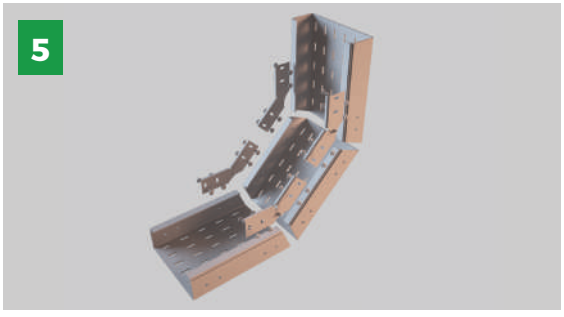
Inside Bends / Small radius

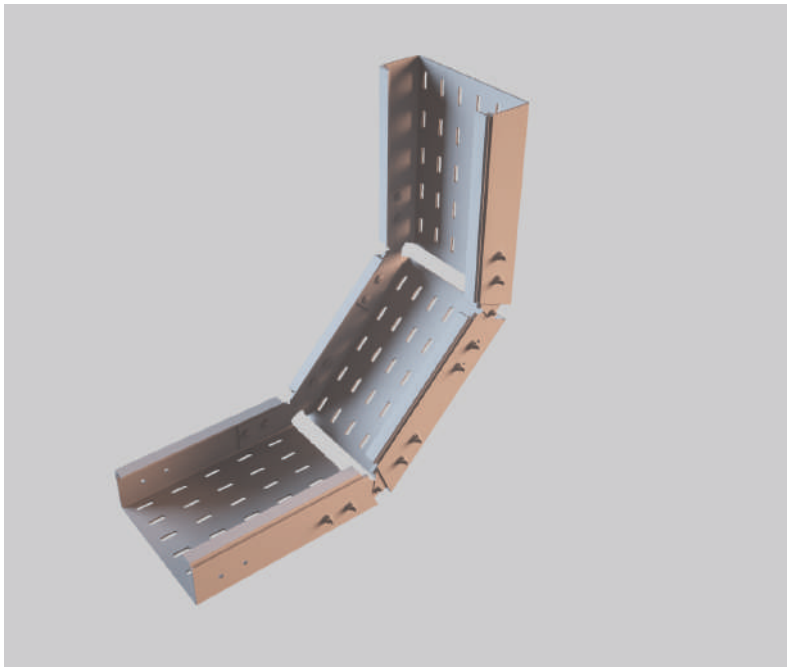








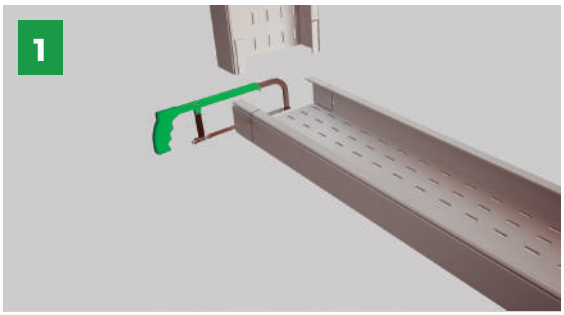


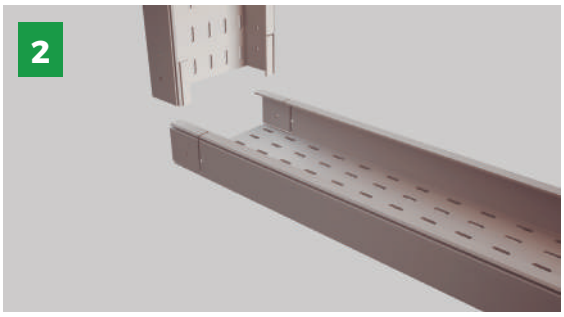


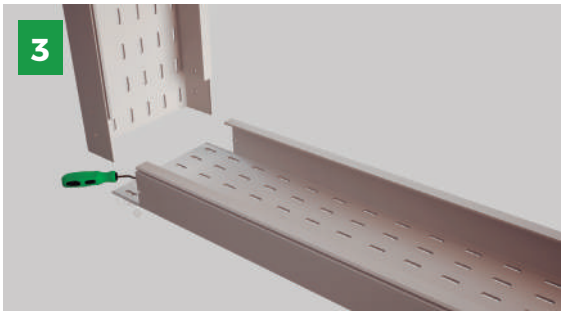
INSTRUCTIONS
INSIDE BENDS
SMALL RADIUS

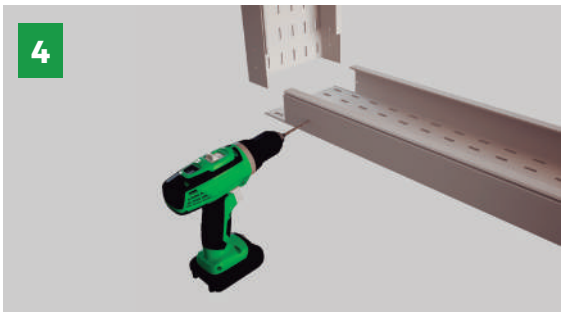
1. Cut the tray piece with the cutting saw in 3 pieces making a 45° angle cut.
2. Separate the 3 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 4 union joints JUBPE-A (205036 for the 60mm or 205037 for the 100mm) in the correct possition and fix the union joints on the tray using 16 screws B2-P (210017).

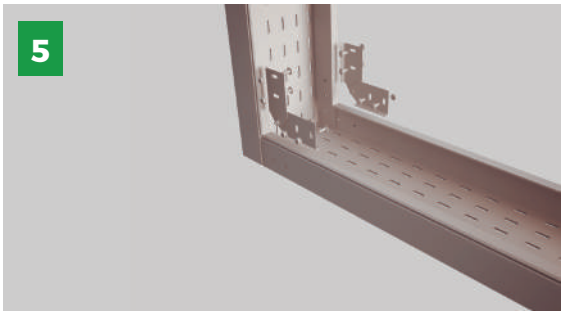
Inside Bends / Right radius

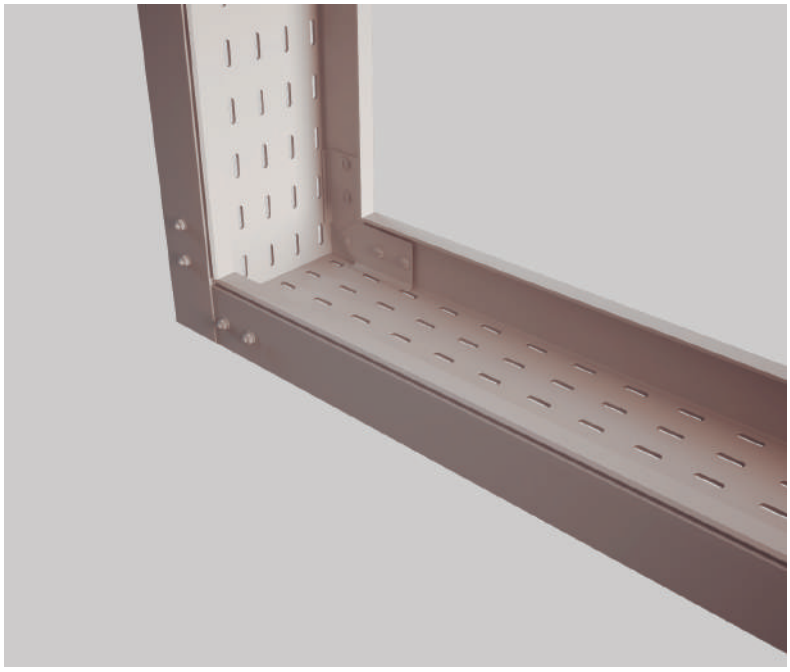










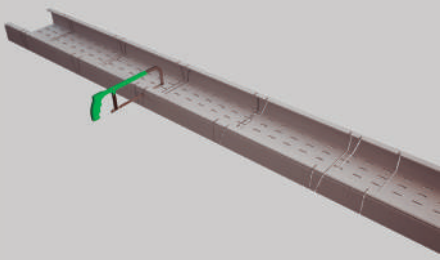


INSTRUCTIONS
INSIDE BENDS
RIGHT RADIUS

1. Cut the tray piece 1 removing the top side body and cut the tray piece 2 removing the side body, both with the cutting saw.
2. Separate the 2 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 2 union joints JUBPE-A (205036 for the 60mm or 205037 for the 100mm) in the correct possition and fix the union joints on the tray using 8 screws B2-P (210017).

Inside Bends / Large radius

1



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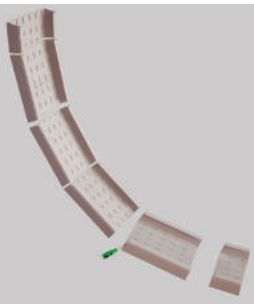
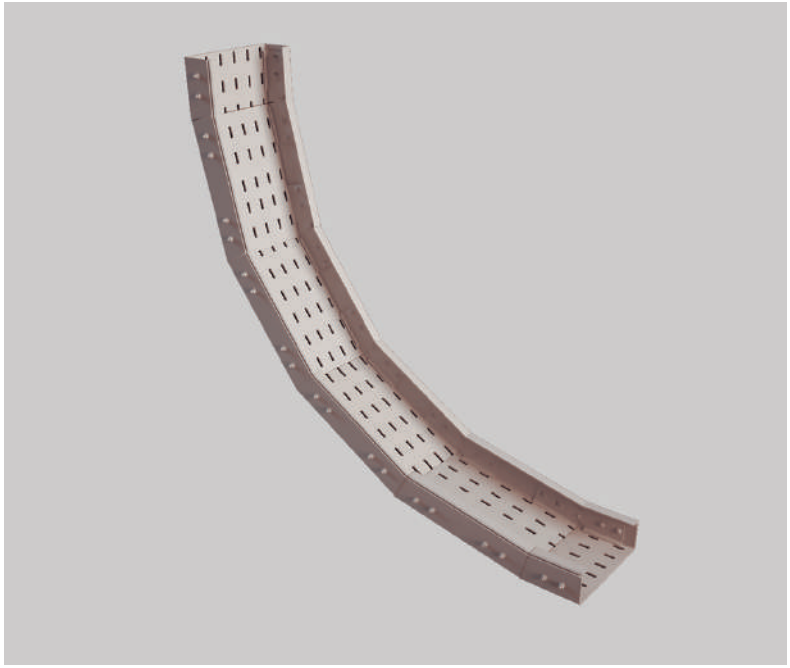




3

4

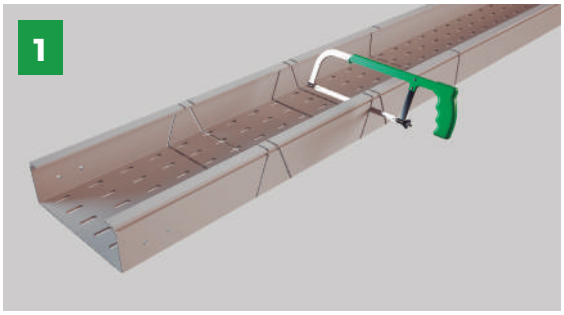
5

INSTRUCTIONS
INSIDE BEND
LARGE RADIUS

1. Cut the tray piece with the cutting saw in 6 pieces making a 45° angle cut.
2. Separate the 6 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 10 union joints JUBPE-A (205036 for the 60mm or 2/5037 for the 100mm) in the correct possition and fix the union joints on the tray using 40 screws B2-P (210017).

Outside Bends / Small radius

1



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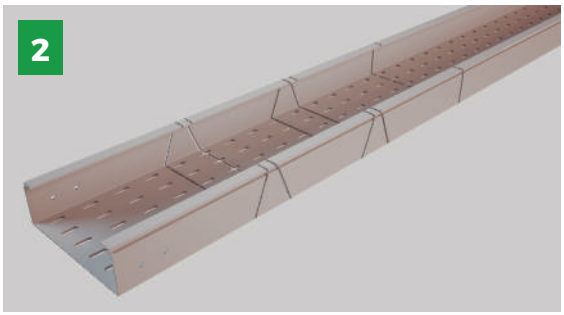

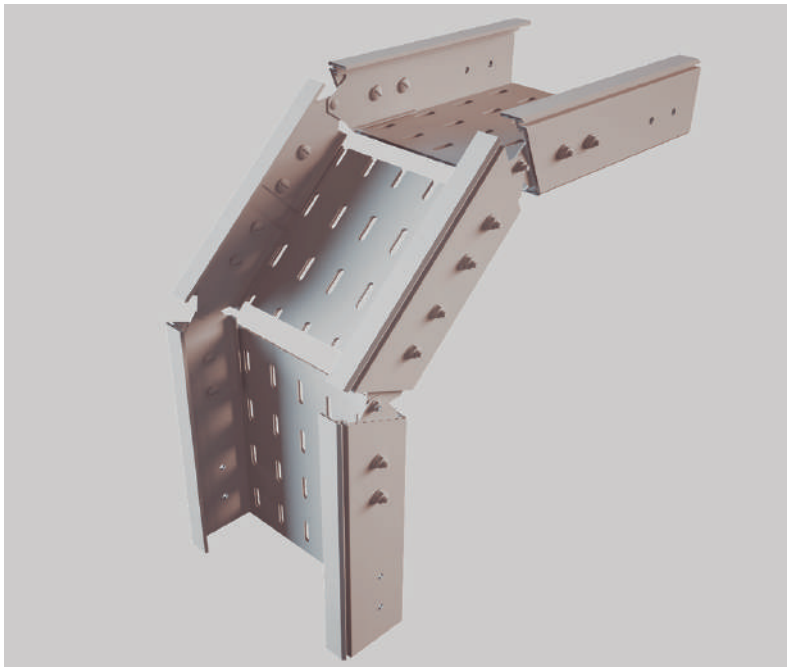

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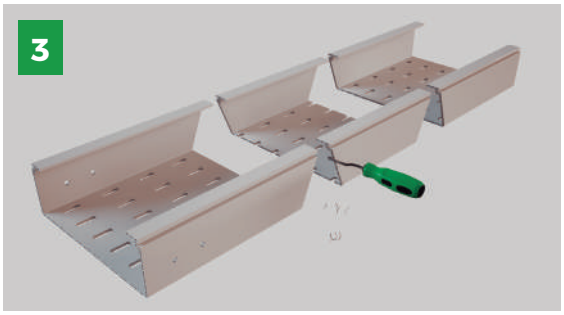

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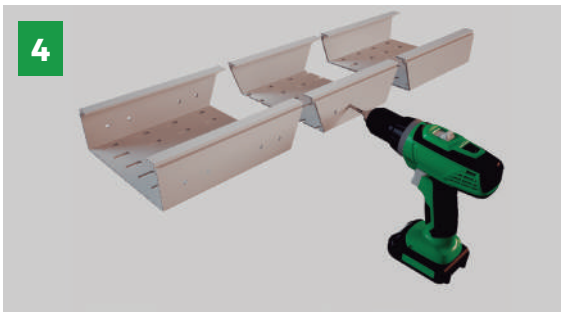

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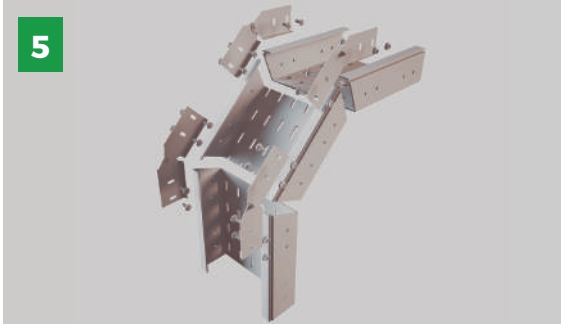
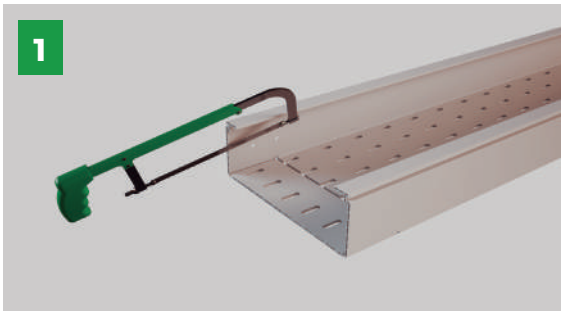
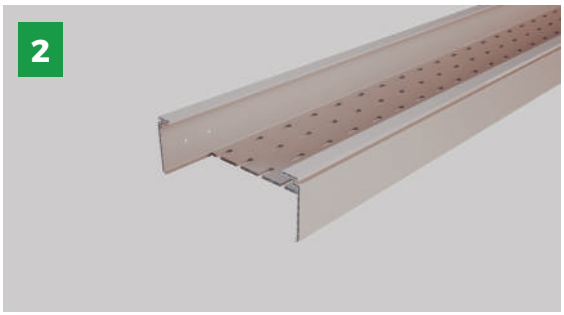


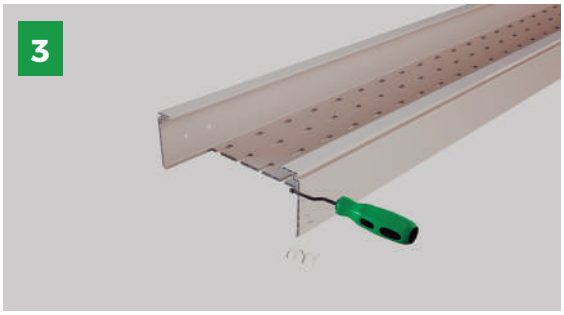
INSTRUCTIONS OUTSIDE BEND SMALL RADIUS

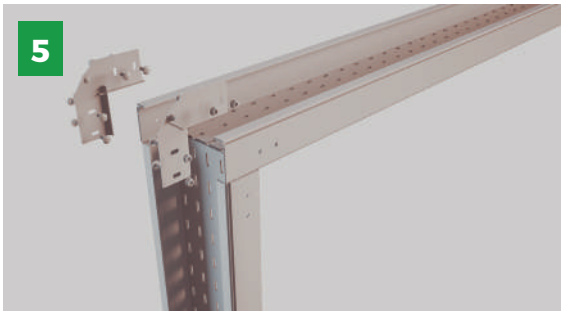
1. Cut the tray piece with the cutting saw in 3 pieces making a 45° angle cut.
2. Separate the 3 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 4 union joints JUBPE-A (205036 for the 60mm or 205037 for the 100mm) in the correct possition and fix the union joints on the tray using 16 screws B2-P (210017).

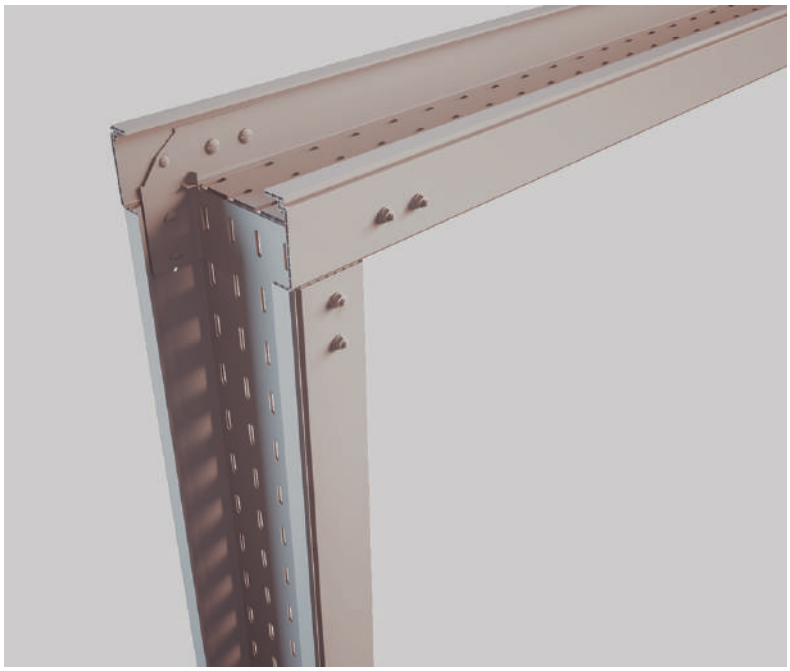
Outside Bends / Right radius







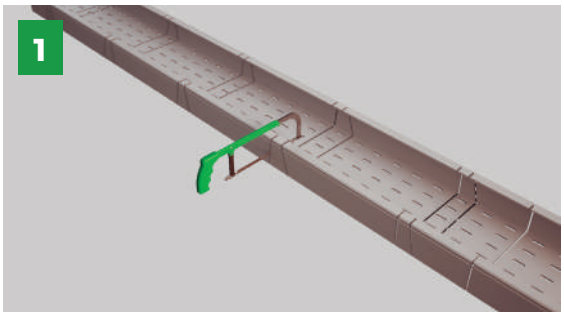


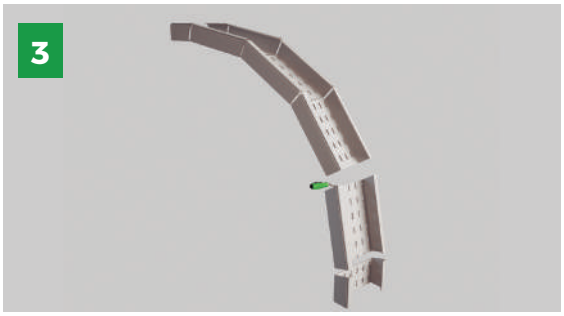


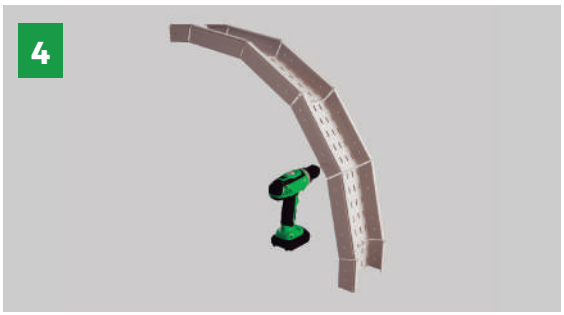
INSTRUCTIONS
OUTSIDE BEND
RIGHT RADIUS

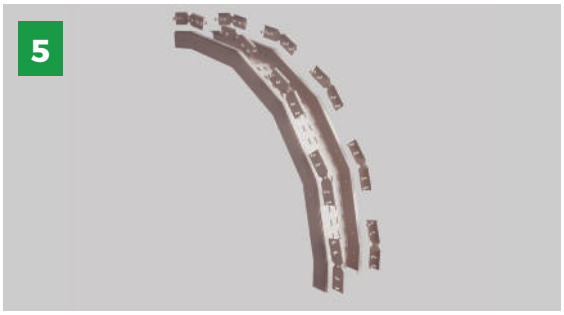
1. Cut the tray piece removing the base with the cutting saw.
2. Separate the pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on the piece with the electric drill.
5. Put 2 union joints JUBPE-B (203520 for the 60mm or 205038 for the 100mm) in the correct possition and fix the union joints on the tray using 8 screws B2-P (210017).

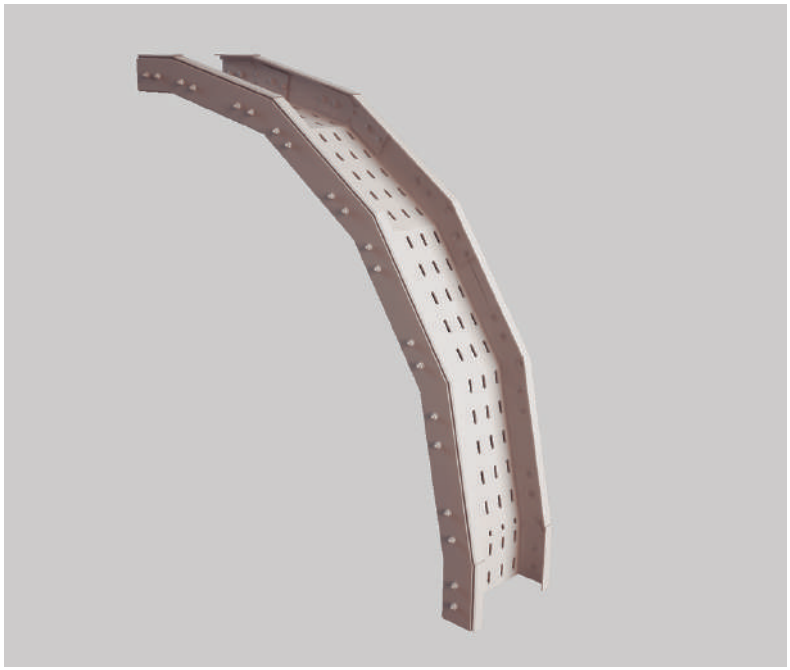
Outside Bends / Large radius







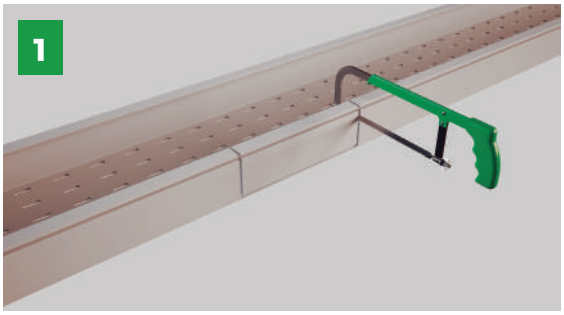


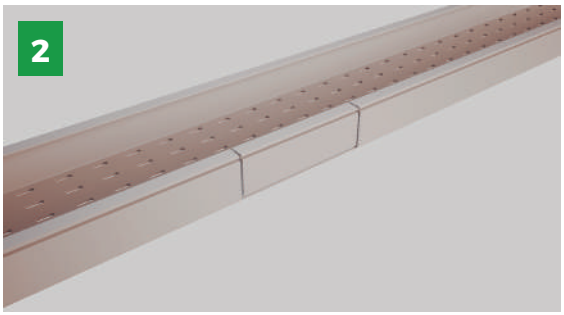


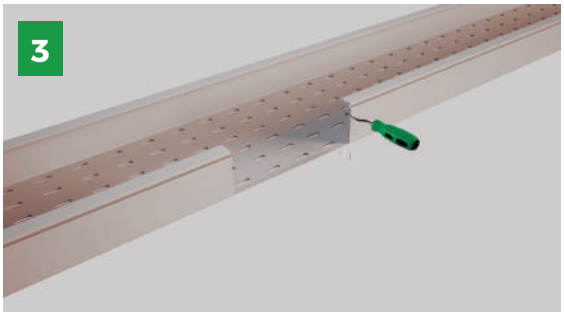
INSTRUCTIONS OUTSIDE BEND LARGE RADIUS

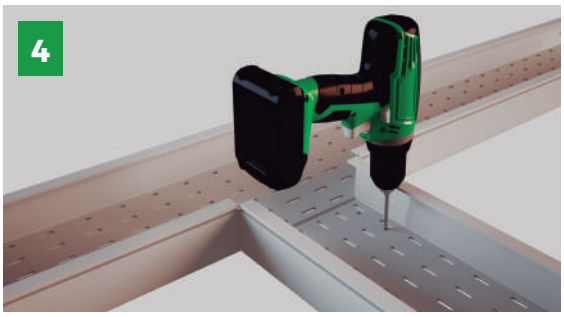
1. Cut the tray piece with the cutting saw in 6 pieces making a 45° angle cut.
2. Separate the 6 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on each piece with the electric drill.
5. Put 10 union joints JUBPE-A (205036 for the 60mm or 205037 for the 100mm) in the correct possition and fix the union joints on the tray using 40 screws B2-P (210017).

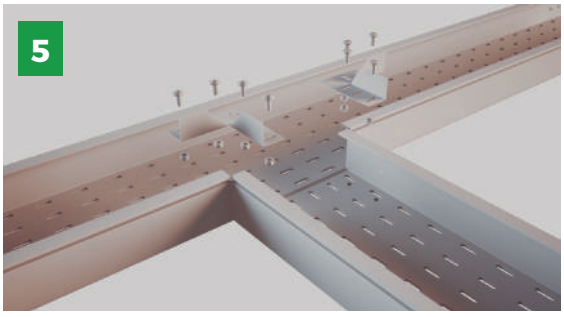
Tee Bends

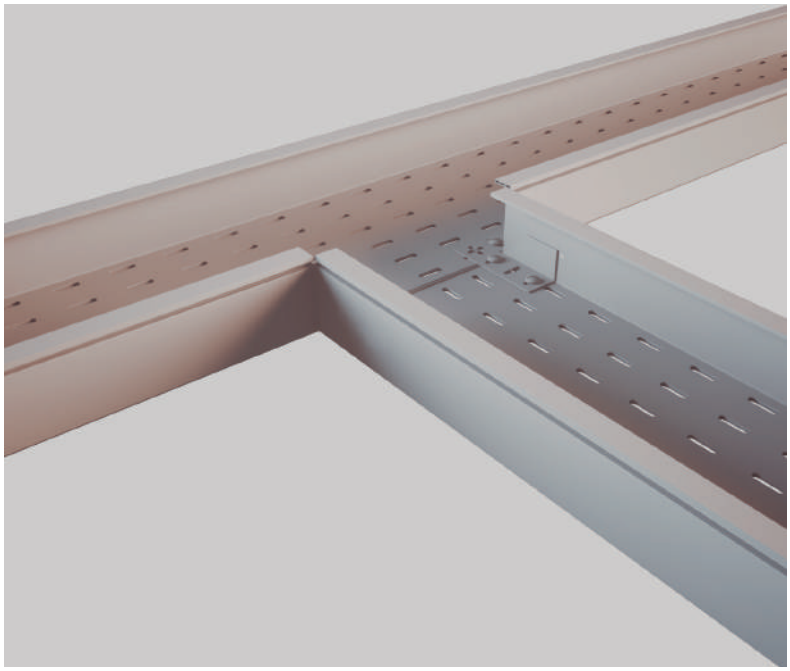








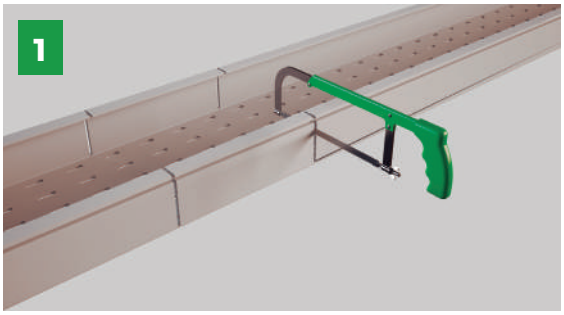


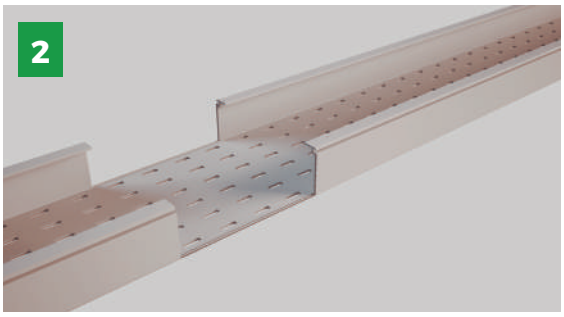


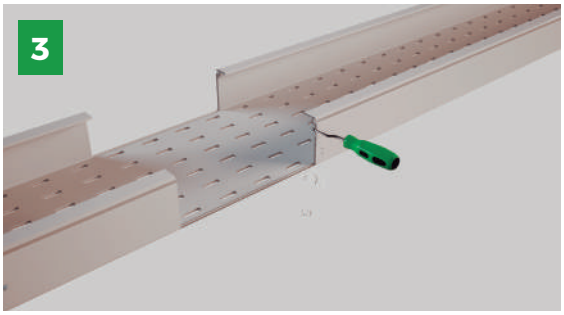
INSTRUCTIONS
TEE BENDS

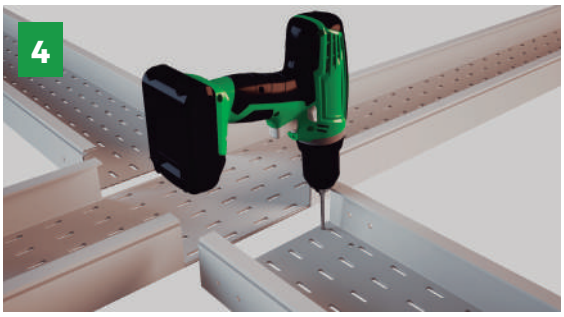
1. Cut the tray piece removing the side body with the cutting saw.
2. Separate the 2 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on the piece with the electric drill.
5. Put 2 TEE/CROSS pieces PDBPE (210127) in the correct possition and fix it on the tray using 8 screws B2-P (210017).

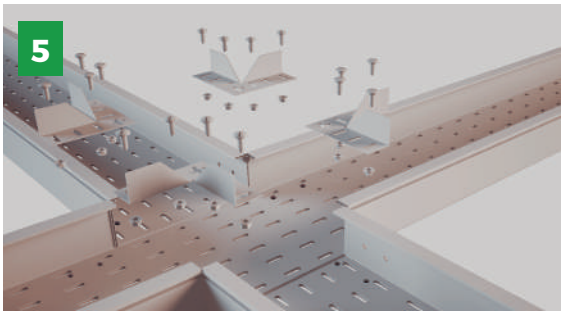
Cross Bends

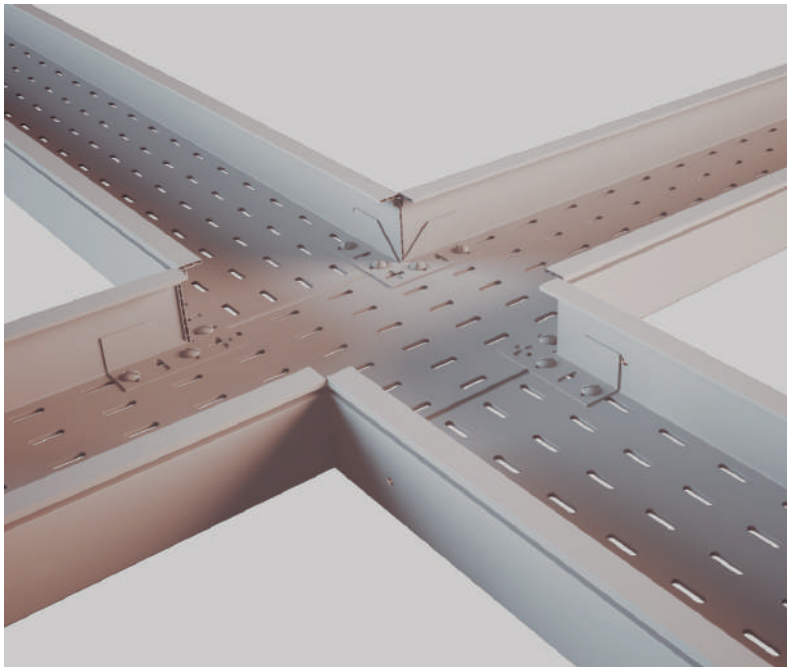








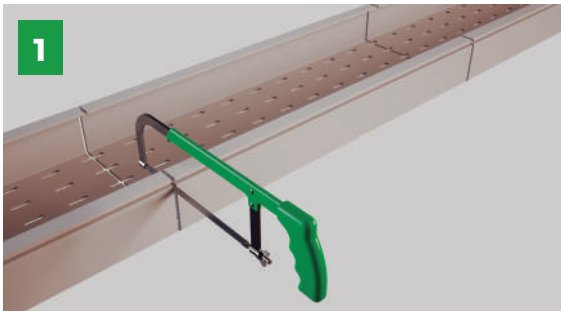


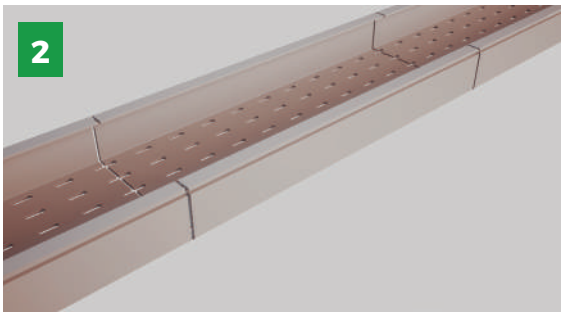


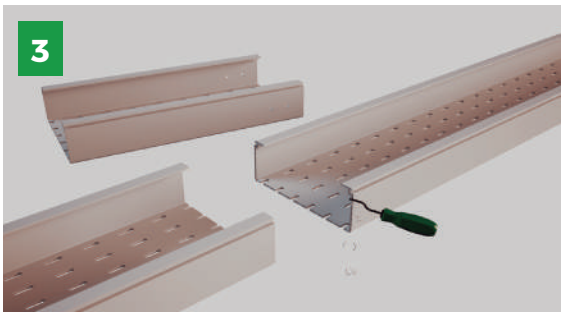
INSTRUCTIONS CROSS BENDS

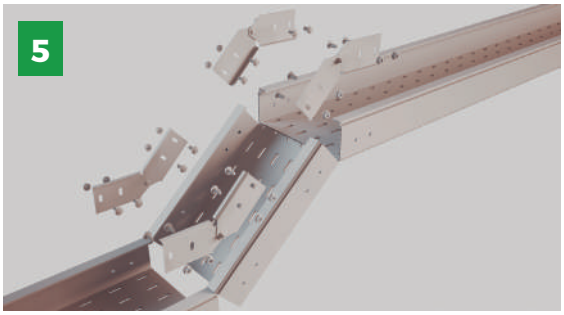
1. Cut the tray piece removing the 2 side body with the cutting saw.
2. Separate the 2 piece.
3. Remove any rough edges with the de-burring machine.
4. Make 4 holes on the piece with the electric drill.
5. Put 4 TEE/CROSS pieces PDBPE (210127) in the correct possition and fix it on the tray using 16 screws B2-P (210017).

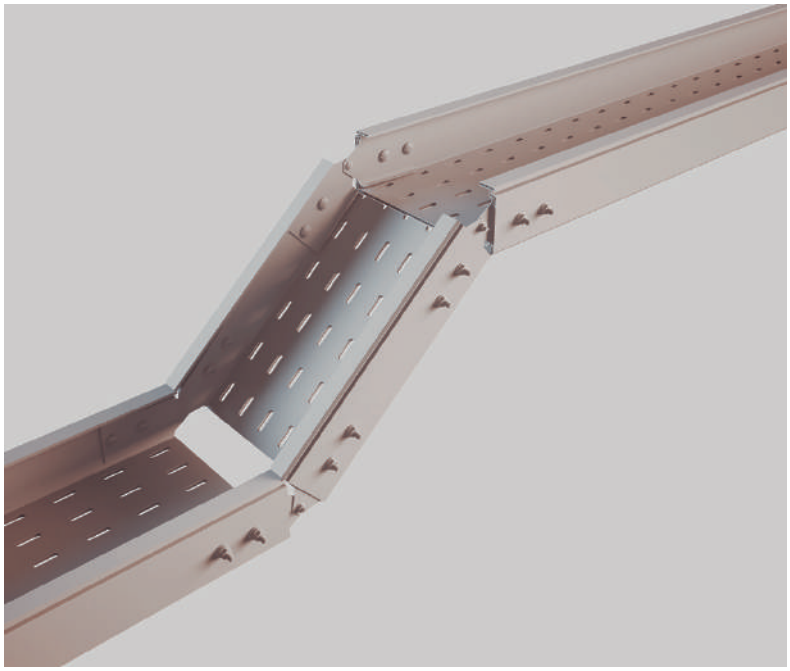
Elevation Changes











INSTRUCTIONS
ELEVATION CHANGES

1. Cut the tray piece with a cutting saw in 3 pieces making a straight cut.
2. Separate the 3 pieces.
3. Remove any rough edges with the de-burring machine.
4. Make 8 holes on each piece with the electric drill.
5. Put 4 union joints JUBPE-A (205036 for the 60mm or 205037 for the 100mm) in the correct possition and fix the union joints on the tray using 16 screws B2-P (210017).

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CABLE MANAGEMENT ALLIANCE

Application on strut / Solid bottom

1

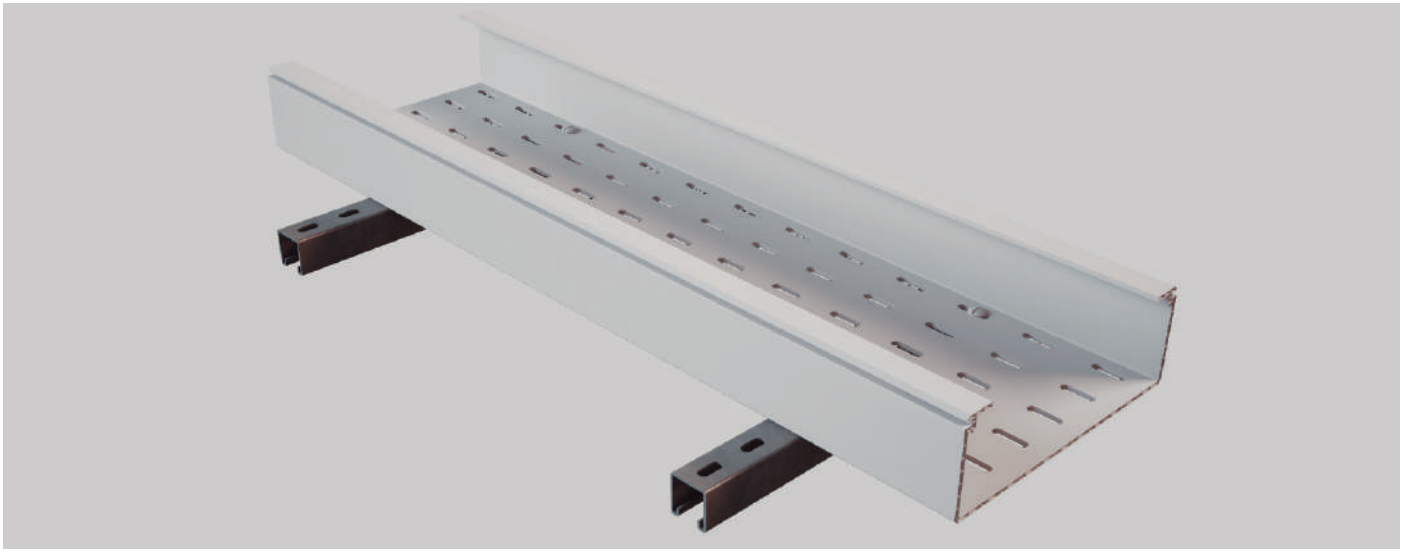
2

3

INSTRUCTIONS APPLICATION ON STRUT SOLID BOTTOM

1. Put the strut on the base of the tray and mark the holes.
2. Make 4 holes on the tray with the electric drill.
3. Fix the strut on the tray using 4 screws B2-P (210017).

Application on strut / Slotted



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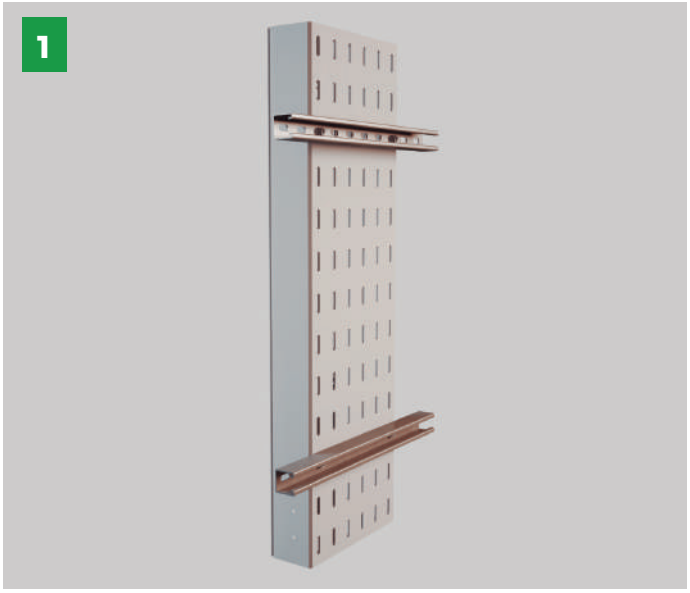
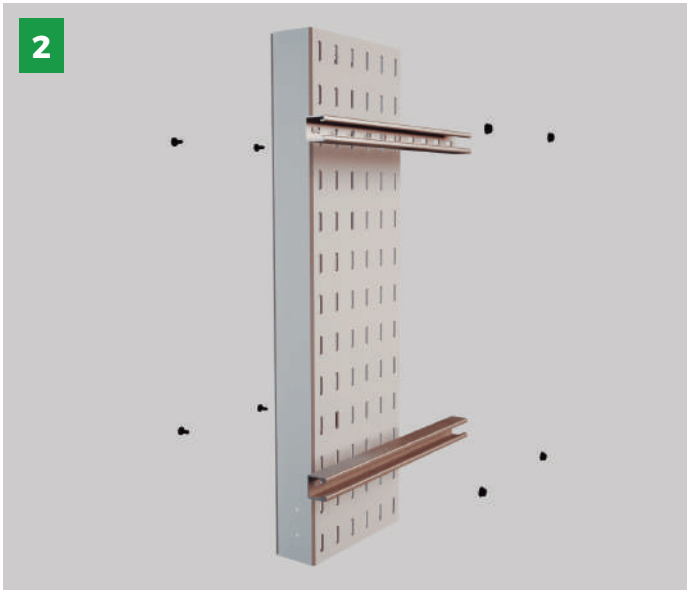


INSTRUCTIONS APPLICATION ON STRUT SLOTTED

1. Put the strut on the base of the tray.
2. Fix the strut on the tray using 4 screws B2-P (210017).

2



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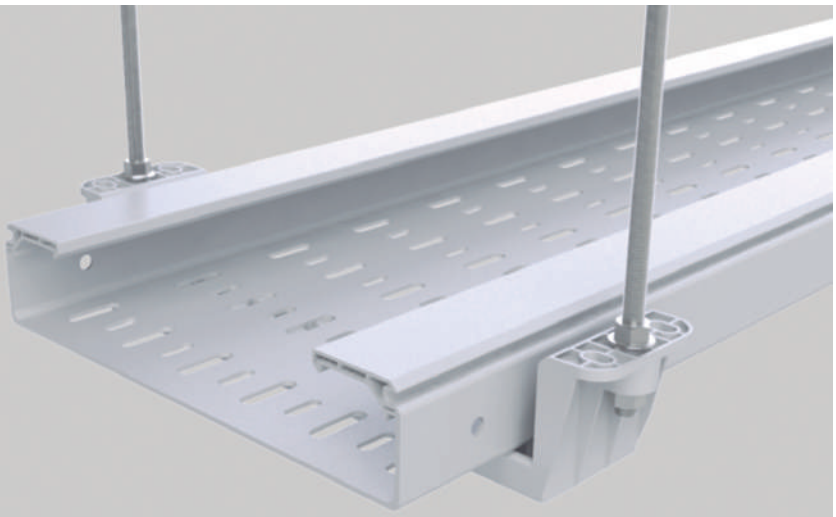
Application on brackets

Floor
Support SVG

Wall
Support SHG

Cealing
Support SVG



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