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PROFESSIONAL PIPELINE PROTECTION GROOVE PLATE PRODUCTION PROVIDER

PIPELINE PROTECTION GROOVE PLATE



TAIYO TRADING CO., LTD.

NICE&ORDERED

PRO-ENVIRONMENT

SAFEGUARD

ENERGY CONSERVATION

DURABLE

EASY TO ASSEMBLE

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AIR-CONDITIONER DECORATIVE COVER PIPES



PRODUCT INTRODUCTION

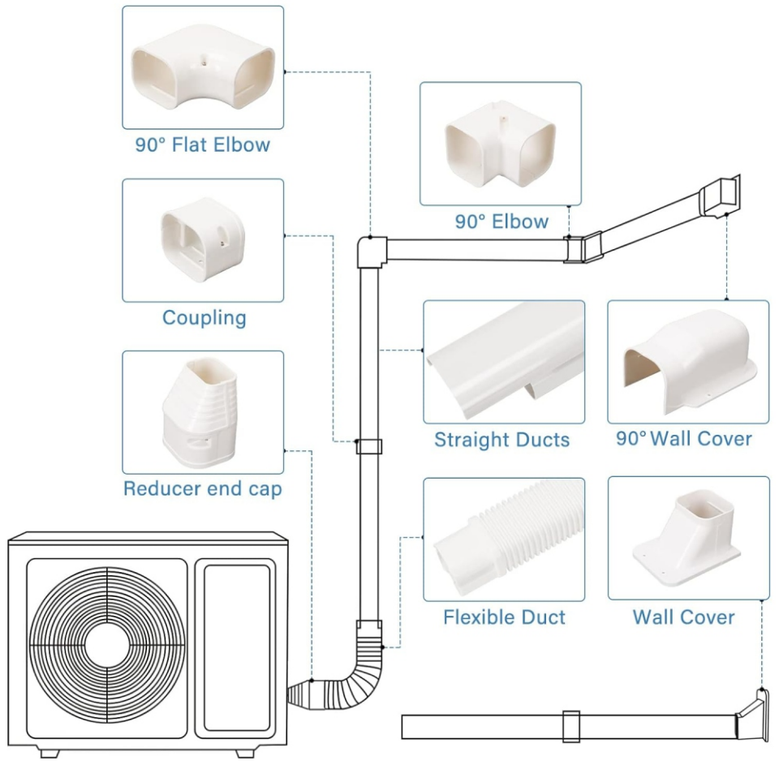
The Product is connecting components of the air mainly used for the installation of 1 to 30 horsepower split type, cabinet type, and central air-conditioners.

MATERIAL QUALITY

Our product is made of brand new high-quality PVC resin material, and the whitening agent uses more stable and color resistant rutile titanium dioxide. It can effectively improve the effectiveness and extend the service life of the product.

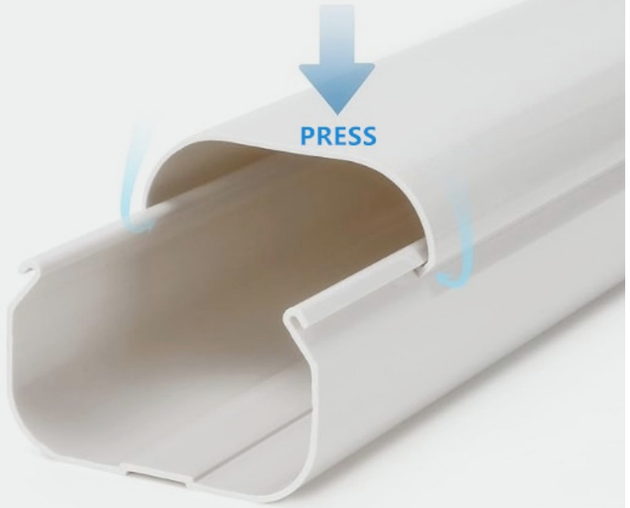
Material Quality	Default Color	Color Available
Premium PVC	White	✓

INSTALLATION GUIDE

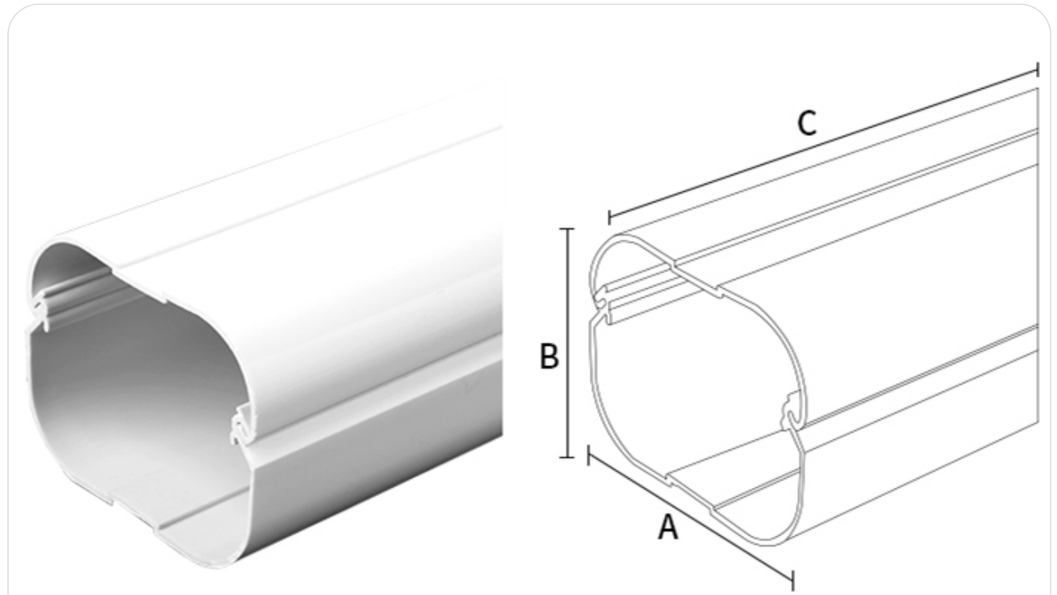


Straight Ducts

Easy to install



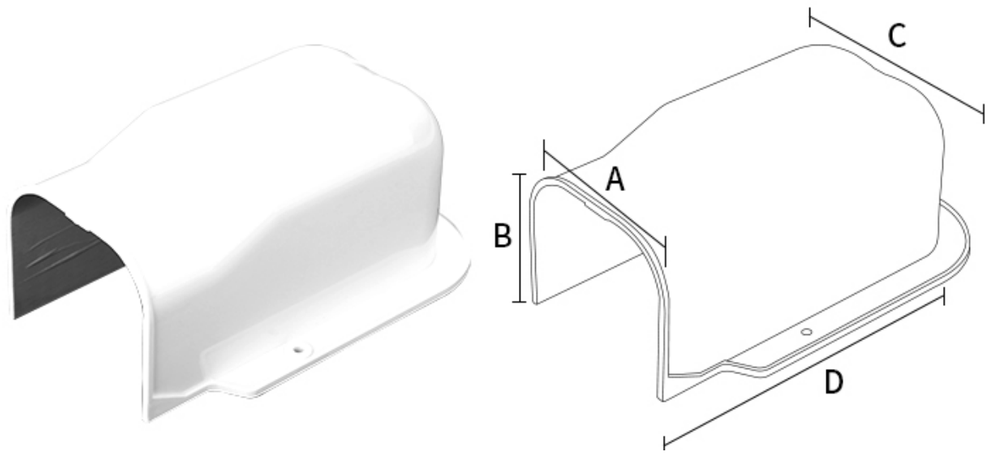
TECHNICAL SPECIFICATIONS



Straight Duct

specifications	A	B	C
75*65mm	75mm	65mm	2000mm
100*65mm	100mm	65mm	2000mm
130*80mm	130mm	80mm	2000mm
160*120mm	160mm	120mm	2000mm

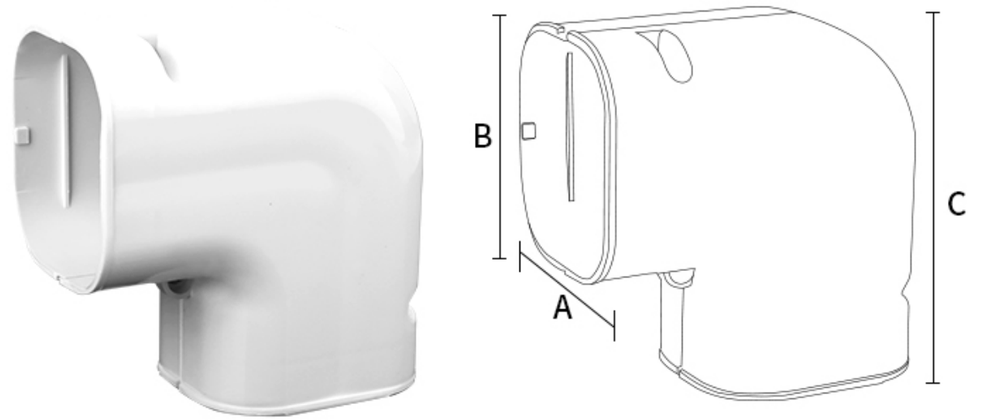
90°Wall Cover



90°Wall Cover

specifications	A	B	C	D
75*65mm	85mm	70mm	110mm	175mm
100*65mm	105mm	85mm	135mm	215mm
130*80mm	135mm	120mm	167mm	235mm
160*120mm	170mm	150mm	210mm	250mm

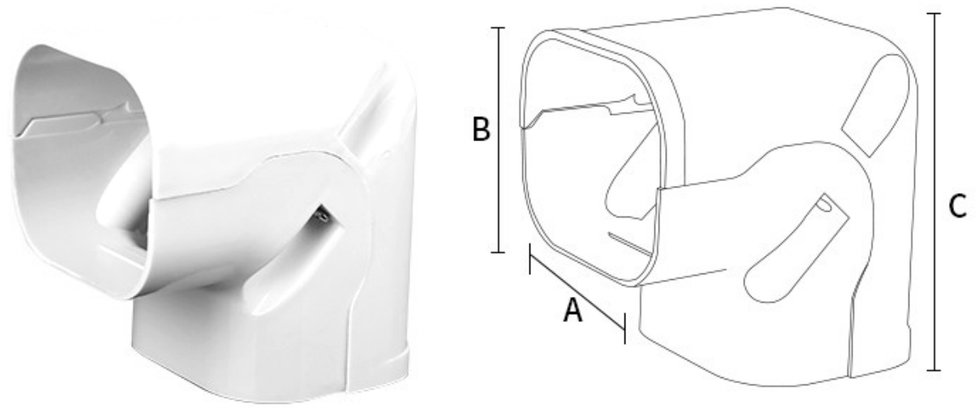
TECHNICAL SPECIFICATIONS



90°Elbow

specifications	A	B	C
75*65mm	68mm	80mm	120mm
100*65mm	70mm	110mm	135mm
130*80mm	98mm	140mm	172mm
160*120mm	128mm	166mm	208mm

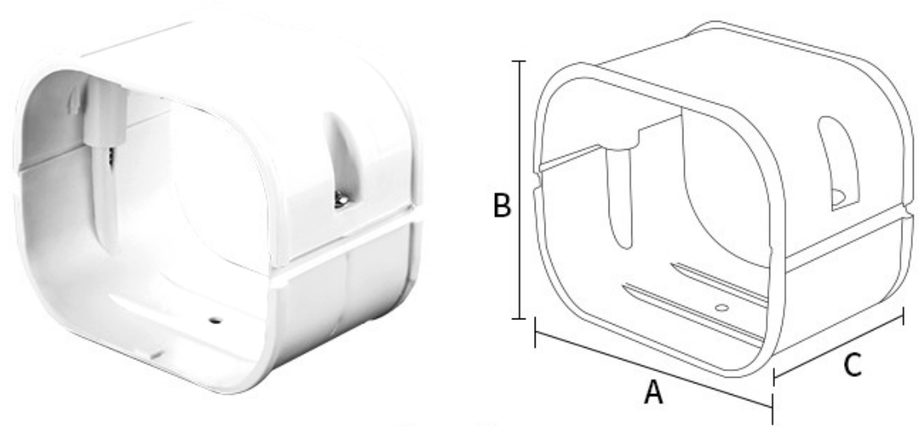
90°Flat Elbow



90°Flat Elbow

specifications	A	B	C
75*65mm	80mm	70mm	100mm
100*65mm	110mm	75mm	105mm
130*80mm	140mm	98mm	170mm
160*120mm	170mm	127mm	172mm

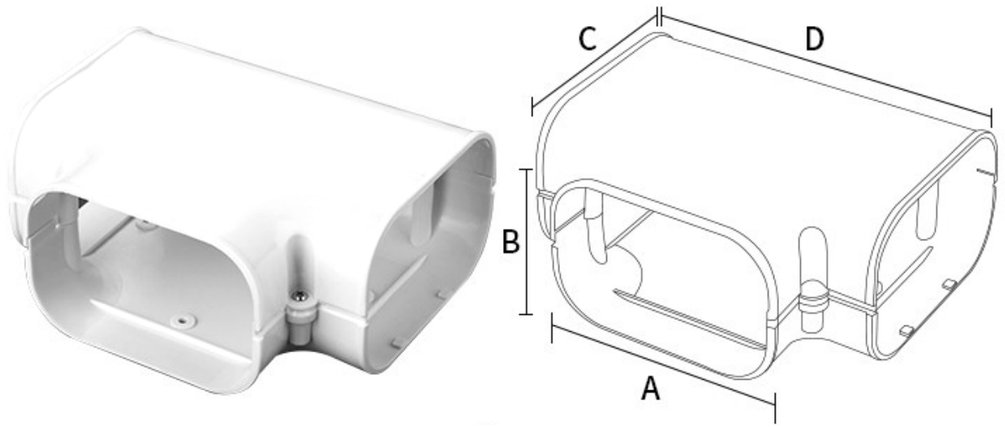
TECHNICAL SPECIFICATIONS



Coupling

specifications	A	B	C
75*65mm	80mm	70mm	54mm
100*65mm	110mm	72mm	54mm
130*80mm	144mm	98mm	80mm
160*120mm	168mm	125mm	80mm

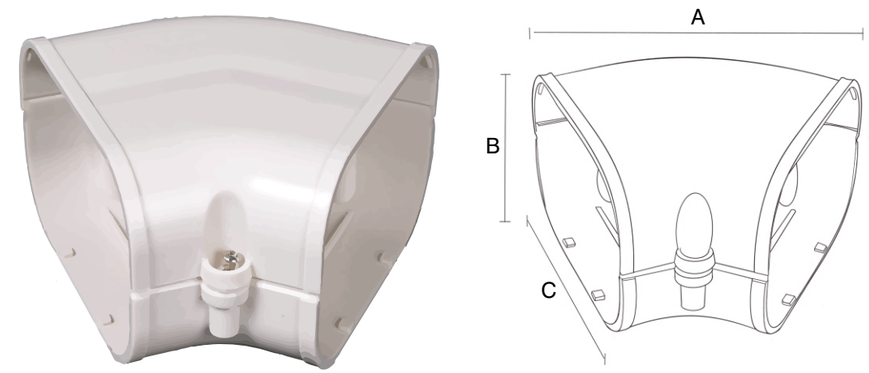
Tee



Tee

specifications	A	B	C	D
100*65mm	110mm	75mm	138mm	170mm
130*80mm	145mm	100mm	180mm	205mm
160*120mm	170mm	130mm	210mm	255mm

TECHNICAL SPECIFICATIONS

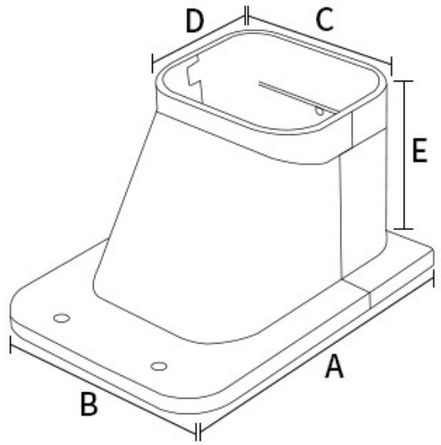


45° Flat Elbow

specifications	A	B	C
75*65mm	80mm	70mm	54mm
100*65mm	110mm	72mm	54mm

TECHNICAL SPECIFICATIONS



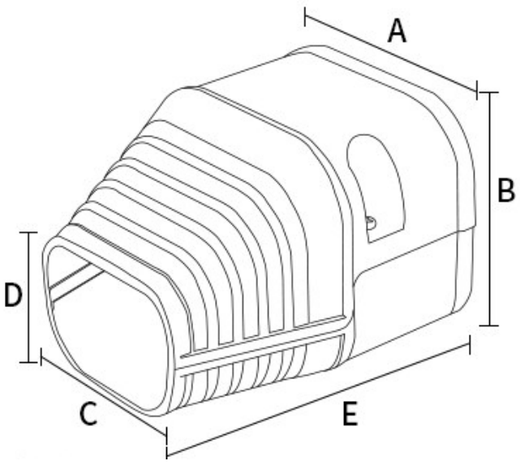


Wall Cover

specifications	A	B	C	D	E
75*65mm	140mm	110mm	84mm	68mm	80mm
100*65mm	140mm	140mm	110mm	70mm	80mm

Reducer end cap

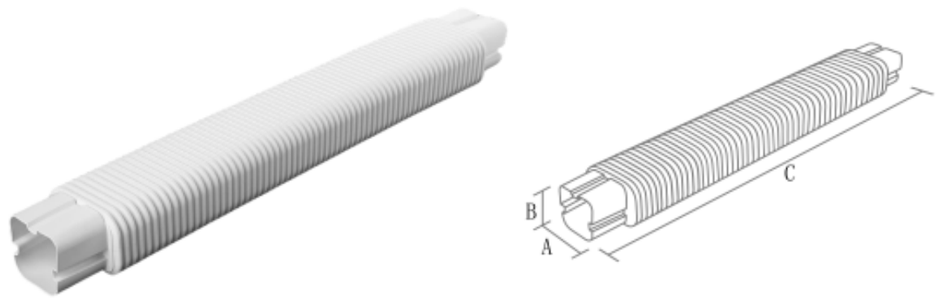




Reducer end cap

specifications	A	B	C	D	E
75*65mm	80mm	68mm	58mm	40mm	97mm

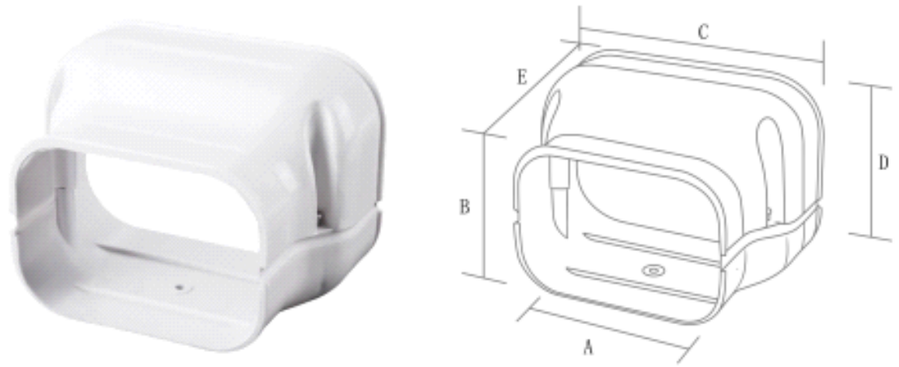
FLEXIBLE



FLEXIBLE

Specifications	A*B*C（mm）
75*65 SERIES	70*60*600
100*65 SERIES	100*65*700
130*80 SERIES	130*85*840
160*120 SERIES	150*110*820

Reducer



Reducer

Specifications	A*B*C*D*E（mm）
75to100	85*68*110*70*65
130to100	110*75*140*95*80
160to130	110*95*165*125*80

FUNCTION

FINE DECORATIVE EFFECT

Traditional air conditioner refrigerant pipes are hung haphazardly outdoors, which seriously affects aesthetics and safety. After using decorative cover pipes, the overall aesthetics and safety can beimproved.

PROTECTION FOR REFRIGERANT HOSE

The refrigerant pipes are exposed to wind and rain outdoors, causing the insulation material to age, the cooling effect to deteriorate, and energy consumption to increase. After using decorative cover pipes, it can effectively protect refrigerant pipes and insulation materials. reduce the impact of external factors such as resistance to ground lines, thermal radiation, conduction heat, and convective heat on refrigerant pipes and insulation materials. At temperatures ranging from –40℃ to+60℃, the refrigerant pipes can be used for more than 10 years, exceeding the design lifespan of the air conditioner itself.

PREVENTION AGAINST REFRIGERANT LEAKAGE

The support points of the suspended refrigerant pipes are located on two horn mouths, which are subjected to concentrated force and are prone to fatigue and cracking due to wind shaking, which may cause refrigerant leakage. After using the air conditioner decorative cover pipes, the shaking of the refrigerant pipes can be reduced, thereby avoiding the above–mentioned problems and extending the service life of the air conditioner.

ENVIRONMENT-FRIENDLY AND ENERGY SAVING

Air conditioner decorative cover pipes can better protect refrigerant pipes and insulation materials, effectively reducing the impact ofexternal factors such as ultraviolet radiation, radiant heat, conducted heat, and convective heat on refrigerant pipes and insulation materials, saving energy and electricity, and maximizing the effectiveness of refrigerant media with the lowest energy consumption.

EFFECT COMPARISON



Prepare

Measuring in advance
Calculate the quantity
Purchase materials



Installation

Fixed base
Load the pipe
Buckle the cover



Complete

Beautiful and neat
Safe and reliable
Prevent damage

INSTALL CASE

Outdoor





Indoor





Fine Decorative Effect

Clean up the refrigerant piepes neatly to make the building look clean and tidy.

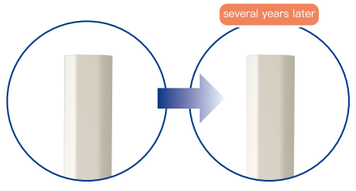


Protection For Refrigerant Hose

Use materials with excellent weather resistance to maintain eternal beauty.

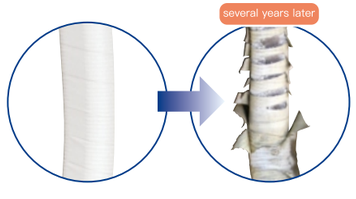
Our Products

There has been almost no change after using our products.



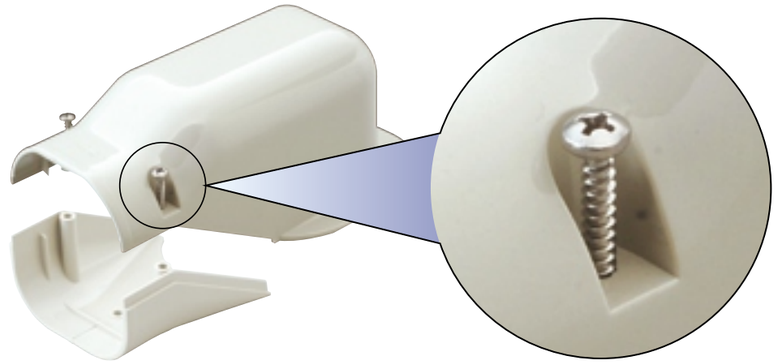
Exposed to the outside

The refrigerant pipes are exposed to wind and rain outdoors, causing the insulation material to age, the cooling effect to deteriorate, and energy consumption to increase.



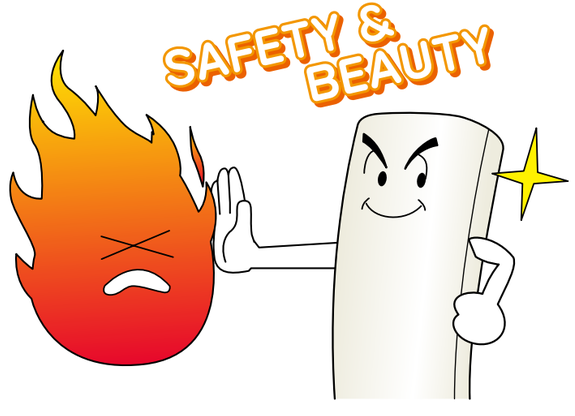
Long Lasting Beauty

Screws are not easy to rust and can be used for a long time.

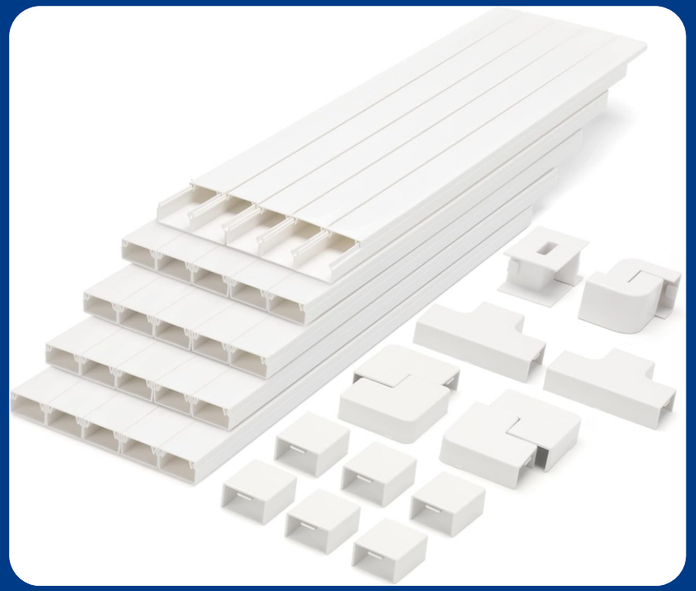


Coexistence Of Beauty And Safety

Using flame-retardant materials can balance beauty and safety.



CABLE CORD HIDER



PRODUCT INTRODUCTION

The product is designed to enclose a low-voltage wire such as a fax cable, projector cable, TV cable, etc. Our product wire cover hider puts an end to messy cables cluttering around your room. Your room will look much neater and aesthetically better!

MATERIAL QUALITY

Our product use Premiun PVC， it have been passed the UL94 V-0 Rating Test, which means it's safer than ordinary materials because of the higher flame retardancy and brings greater security to your daily use.It is also paintable and easy to cut without using a drill.

Material Quality	Default Color	Color Available
Premium PVC	White	✓
Aluminum Alloy	Silver-grey	✓

PVC

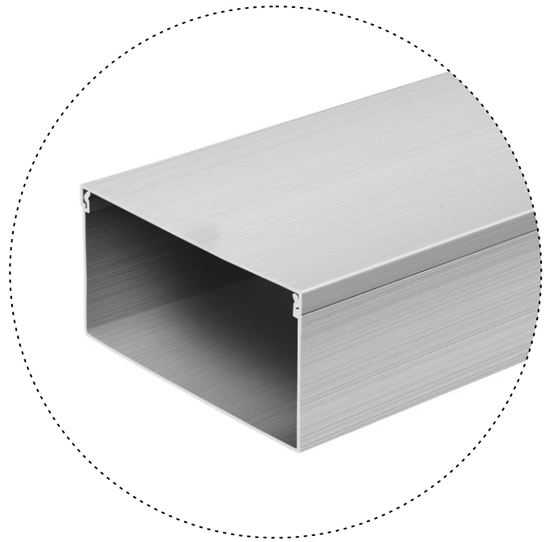


Flat Thin Cable Trunking



Convex Thickened Cable Trunking

Aluminum alloy

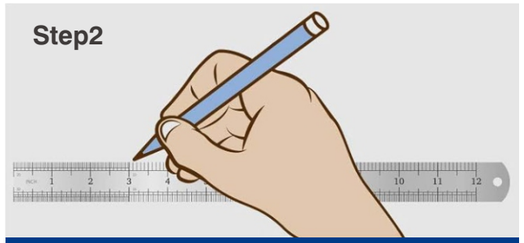


INSTALLATION GUIDE

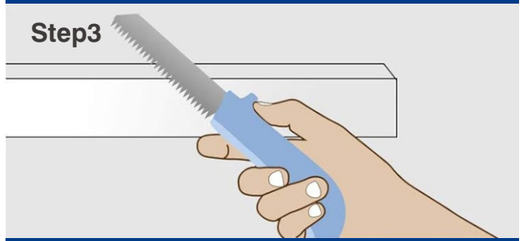
Easy Installation in 10 Mintutes



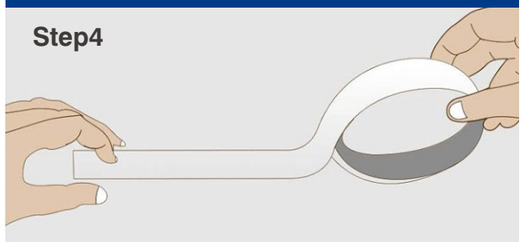
Wipe clean the surface



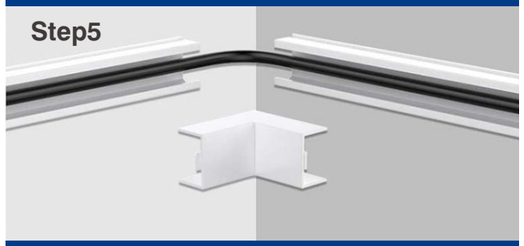
Planning the installation route



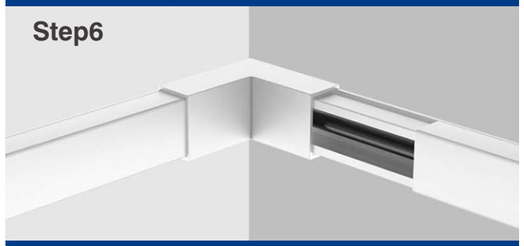
Cut to desired length



Apply the tape to the back of raceway and peel off the tape cover

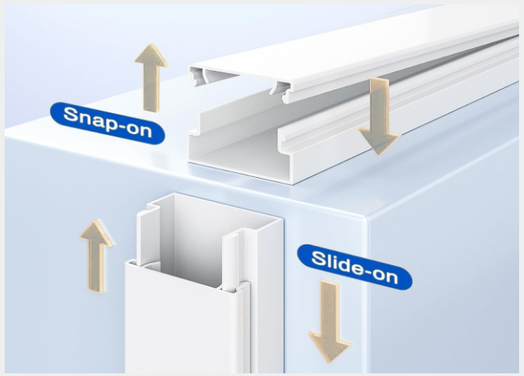


Put the cables in and close the cover



Finally slide on the raceway cober





INSTALL CASE

Hiding cable makes a huge difference



Provide Safer And Tidier Environment For Kids And Pets

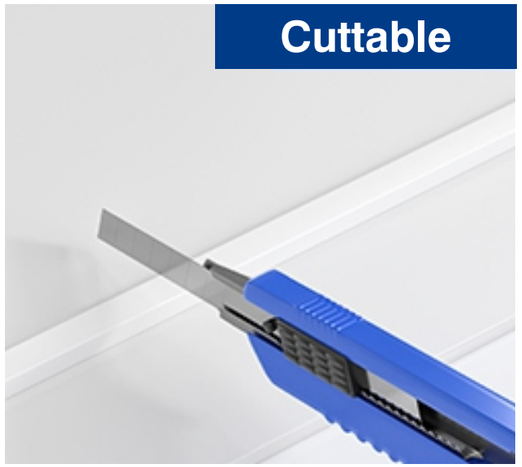


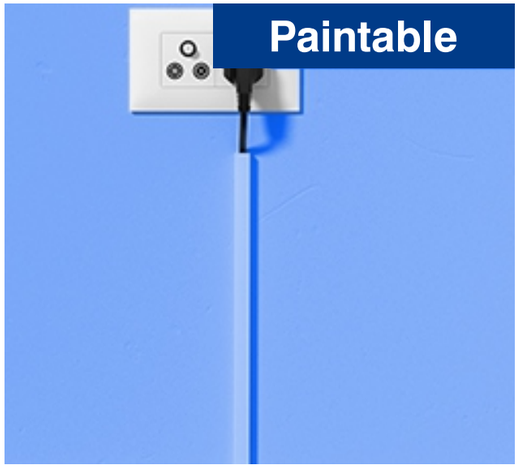
Make Your Home Safe And Neat



Create a Neat And Cozy Workplace





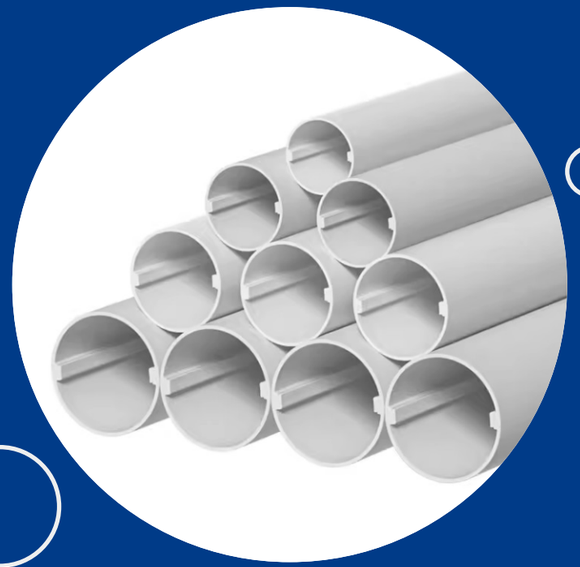




*Passing the UL94 V-0 Rating Test

A plastics flammability standard released by Underwriters Laboratories of the United States, which means it's safer than ordinary materials because of the higher flame retardancy and brings greater security to your daily use.

TWO-PIECE BUCKLE PROTECTION PIPES



PRODUCT INTRODUCTION

The product adopts a two-piece buckle design for easy installation. Mainly used for wire and cable protection, water pipe insulation, etc.

MATERIAL QUALITY

Our product is made of brand new high-quality PVC resin material, and the whitening agent uses more stable and color resistant rutile titanium dioxide. It can effectively improve the effectiveness and extend the service life of the product.

Material Quality	Default Color	Color Available
Premium PVC	White	✓

INSTALLATION GUIDE



step1：Prepare Two Pieces | step2：Slide And Snap-on | step3：Finished

TECHNICAL SPECIFICATIONS



Coupling



90°Elbow



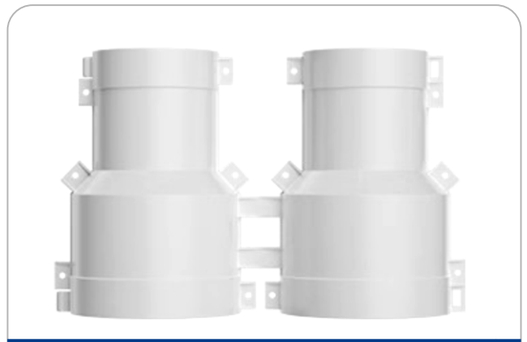
45°Elbow



Tee



Reducing tee

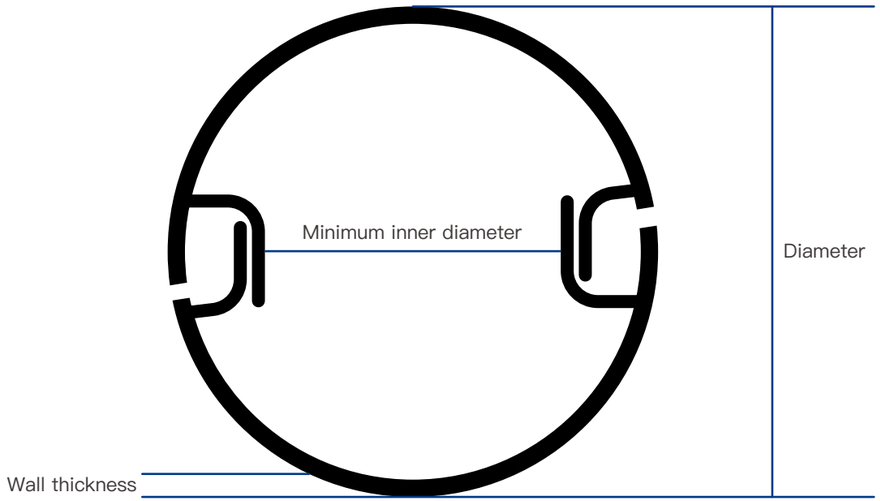


Reducing Coupling

Product accessories meet various installation requirements, shorten the construction period and save costs.



TECHNICAL SPECIFICATIONS

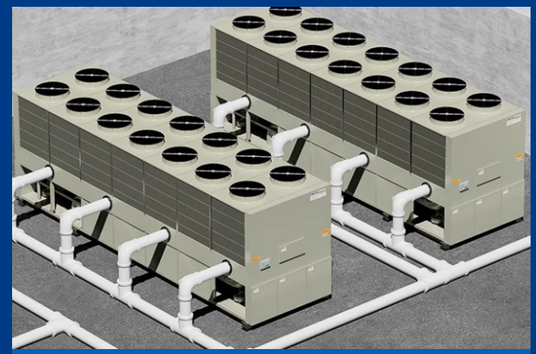


Specifications	Diameter	Wall thickness	Minimum inner diameter
32	32mm	1.4mm	22mm
50	50mm	2mm	40mm
63	63mm	2mm	51mm
75	75mm	2mm	63mm
90	90mm	2mm	78mm
110	110mm	2.3mm	97mm
125	125mm	2.3mm	110mm
140	140mm	2.3mm	125mm
160	160mm	2.5mm	140mm
200	200mm	2.5mm	180mm

*Due to differences in measuring tools and methods, there may be an error of less than 2%, and the actual product shall prevail.

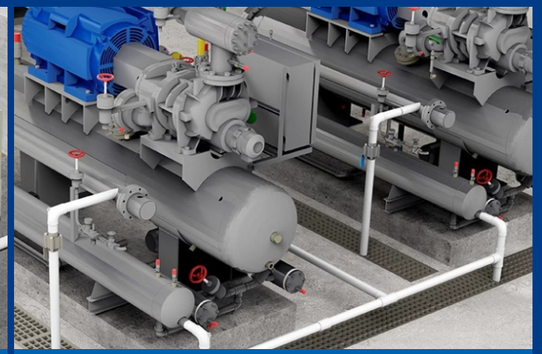
INSTALL CASE

Can be used in multiple scenarios, suitable for both home and engineering applications.



Hot Water Project

Pipeline application of air source heat pump hot water、central hot water、engineering.



Heating Project

Pipeline protection of heating engineering、system、freezing and sunburn.



Household Pipeline

Pipeline protection of natural gas、heating installation、waterpipe.



Home Decoration Beautification

Provide safer and tidier environment

FLOOR CORD COVER



PRODUCT INTRODUCTION

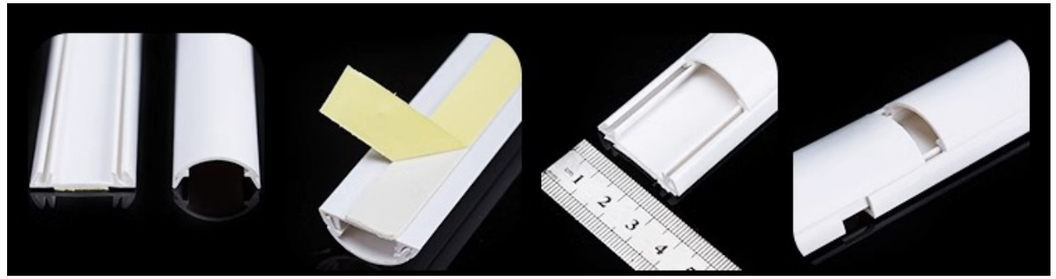
The product conceals cabling and cords while creating a smooth, trip-free surface.It is ideal for living rooms， offices, gym, or anywhere else cords are laying out in the open.

MATERIAL QUALITY

Our product is made of brand new high-quality PVC resin material, and the whitening agent uses more stable and color resistant rutile titanium dioxide. It can effectively improve the effectiveness and extend the service life of the product.It is also paintable and easy to cut.

Material Quality	Default Color	Color Customization
Premium PVC	White/Grey	✓
Aluminum Alloy	Silver-grey	✓

INSTALLATION GUIDE



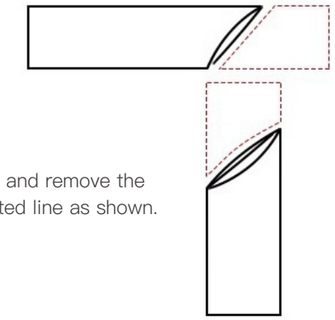
step1：Wipe the surface clean to ensure good adhesion of the backing adhesive.

step2：Tear off the backing adhesive and secure the floor cord cover in place.

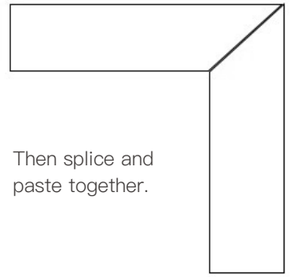
step3：Put the cable in and multiple cables can be fixed first if necessary.

step4：Slide and snap on.

Cutting Guide–Horizontal Corner

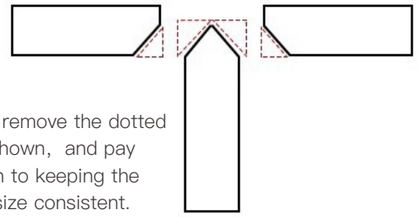


Cut and remove the dotted line as shown.

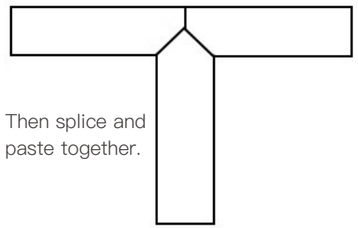


Then splice and paste together.

Cutting Guide–Tee Corner



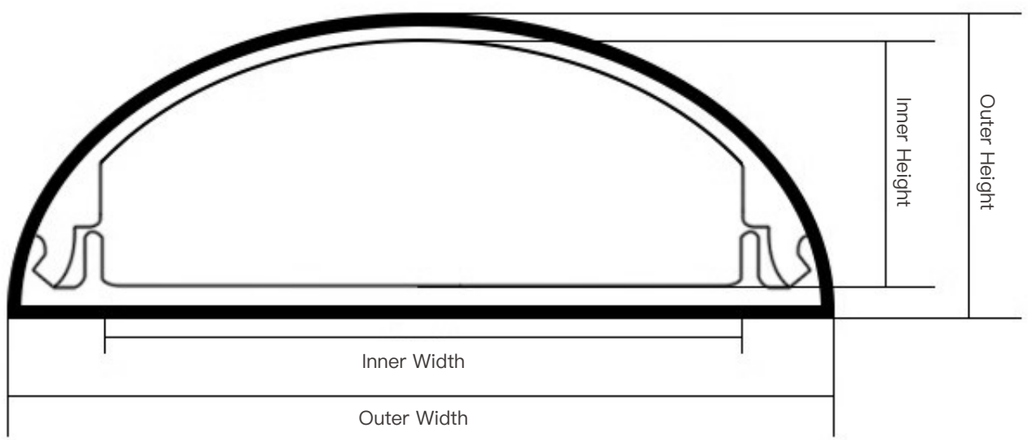
Cut and remove the dotted line as shown， and pay attention to keeping the cutting size consistent.



Then splice and paste together.

TECHNICAL SPECIFICATIONS

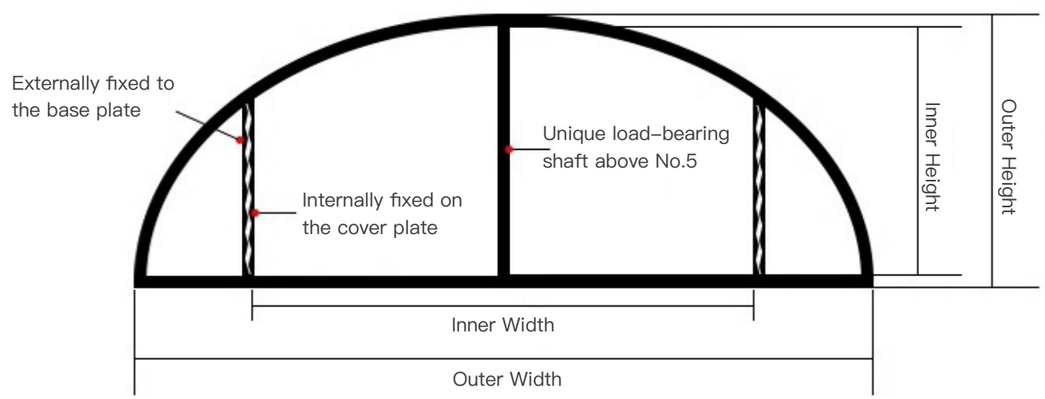
Premium PVC



Specifications	Size				
	Outer Width	Inner Width	Outer Height	Inner Height	Wall Thickness
No.3	30mm	17.5mm	10.5mm	8.5mm	0.8mm
No.4	40mm	25mm	13.5mm	11.5mm	1.0mm
No.5	50mm	31mm	12.5mm	10mm	1.1mm
No.6	60mm	41mm	15.5mm	12mm	1.3mm
No.7	70mm	51mm	17mm	13.5mm	1.6mm
No.8	80mm	59.5mm	16mm	13mm	1.7mm
No.10	100mm	66.5mm	25.5mm	22mm	1.8mm
No.12	120mm	95mm	26.5mm	23mm	2mm

*Due to differences in measuring tools and methods, there may be an error of less than 2%, and the actual product shall prevail.

Aluminum Alloy



Specifications	Size		
	Outer Width	Inner Width	Inner Height
No.3	30mm	13mm	6.5mm
No.4	40mm	22mm	9mm
No.5	48mm	30mm	10mm
No.6	56mm	40mm	14mm
No.7	75mm	52mm	17mm
No.8	90mm	64mm	25mm
No.10	95mm	64mm	23mm
No.12	114mm	84mm	27mm

*Due to differences in measuring tools and methods, there may be an error of less than 2%, and the actual product shall prevail.

INSTALL CASE

Hiding cable makes a huge difference









Use As a Wall Cord Cover

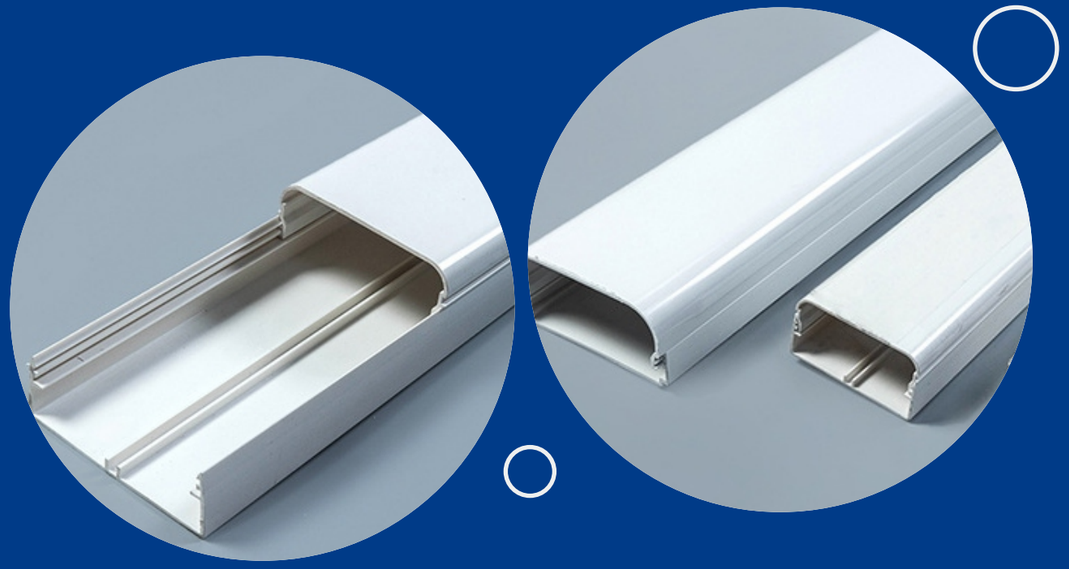
Suitable for Flat and Hard Surface



Use As a Floor Cord Cover

Suitable for Flat and Hard Surface

SURFACE-MOUNTED HEATING INSTALLATION PROTECTION PIPES



PRODUCT INTRODUCTION

The product is mainly used for water pipe insulation, heating radiator protection, etc.It can keep warm and environmentally friendly, reduce energy consumption.

MATERIAL QUALITY

Our product is made of brand new high-quality PVC resin material, and the whitening agent uses more stable and color resistant rutile titanium dioxide. It can effectively improve the effectiveness and extend the service life of the product.

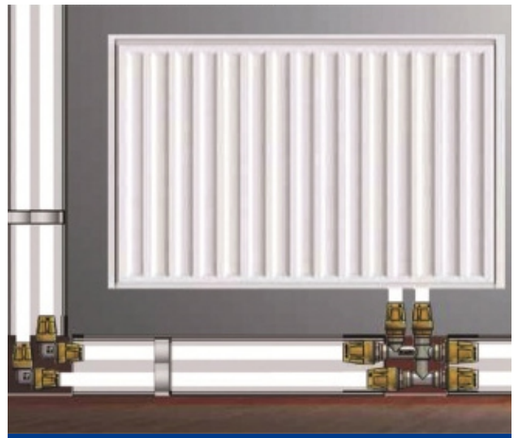
Material Quality	Default Color	Color Available
Premium PVC	White	✕

INSTALLATION GUIDE



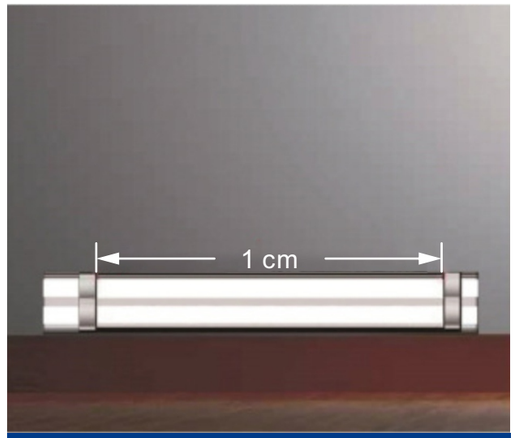
Step1:Install bottom groove

It is recommended to use a cement nail gun or self tapping screw to fix the bottom groove， and use infrared positioning to ensure that the tank is horizontally and vertically aligned.



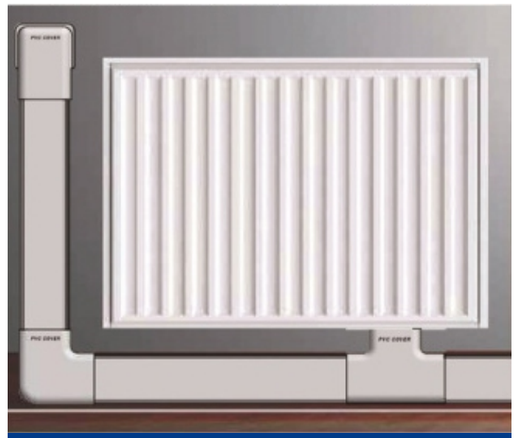
Step2:Install pipes and accessories

Place aluminum-plastic pipes or PP-R pipes smoothly into the pipe groove in sequence, and align the water pipe accessories such as sliding fasteners at corners.



Step3: Install pipe clamp fixation

It is recommended to install a pipe clamp every meter and increase it appropriately at corners to ensure the stability of the pipeline and reduce abnormal noise caused by pipe vibration.



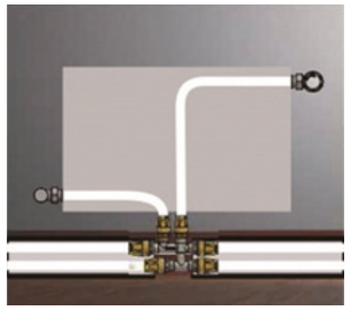
Step4: Install pipe groove panels and corner accessories

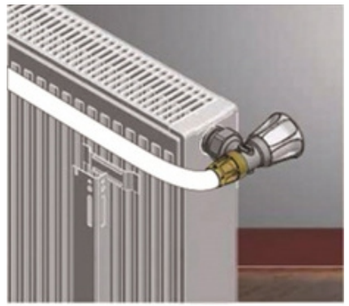
Install the pipe groove panels first, and then install the corresponding accessories at the corners. It is recommended to carry out daily maintenance and regular cleaning to extend the service life of the product.

INSTALLATION GUIDE

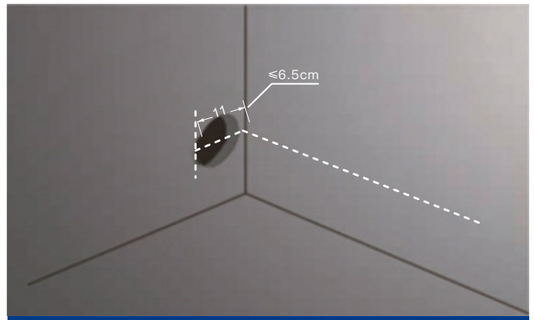
Installation instructions for special parts

Side inlet and side outlet radiator connections should be covered with tee, and it is recommended to route the pipes from behind the radiator.



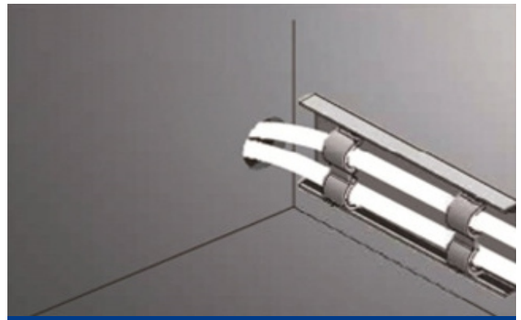






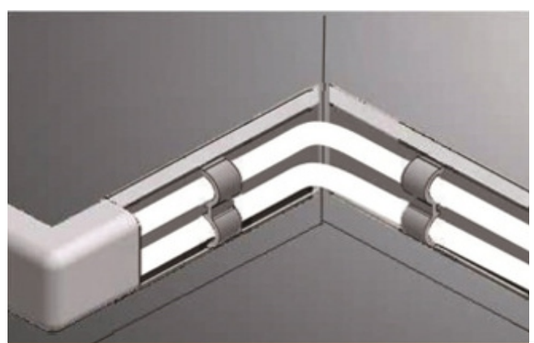
Drilling holes in right angled wall

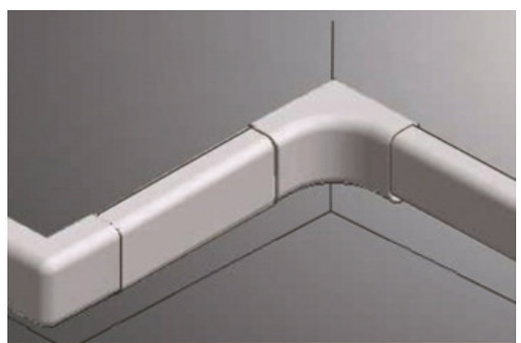
H is the distance from the outer circle of the hole to the corner of the wall (≤6.5cm)



Drilling holes in right angled wall

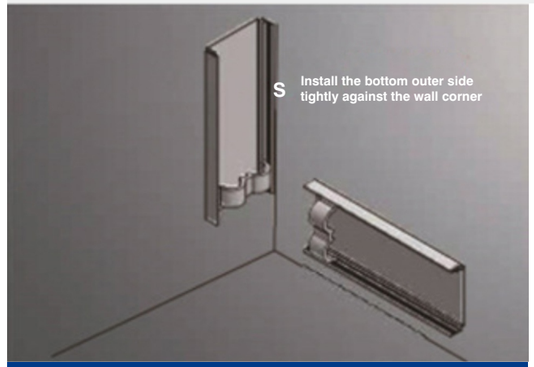
Try to keep the center of the floor level with the center of the hole as much as possible





The installation instruction of external corner elbow and internal corner elbow

The installation instruction of three-dimensional corner



(1) Fixed bottom groove



(2) Install pipe groove panels and accessories

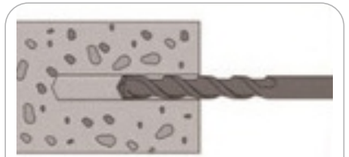
Cutting and fixing of pipe groove



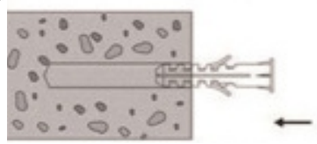
Angle grinder



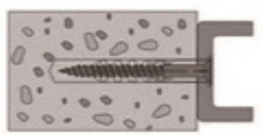
Aluminum profile cutting machine



Drill hole



Insert the expansion tube into the hole

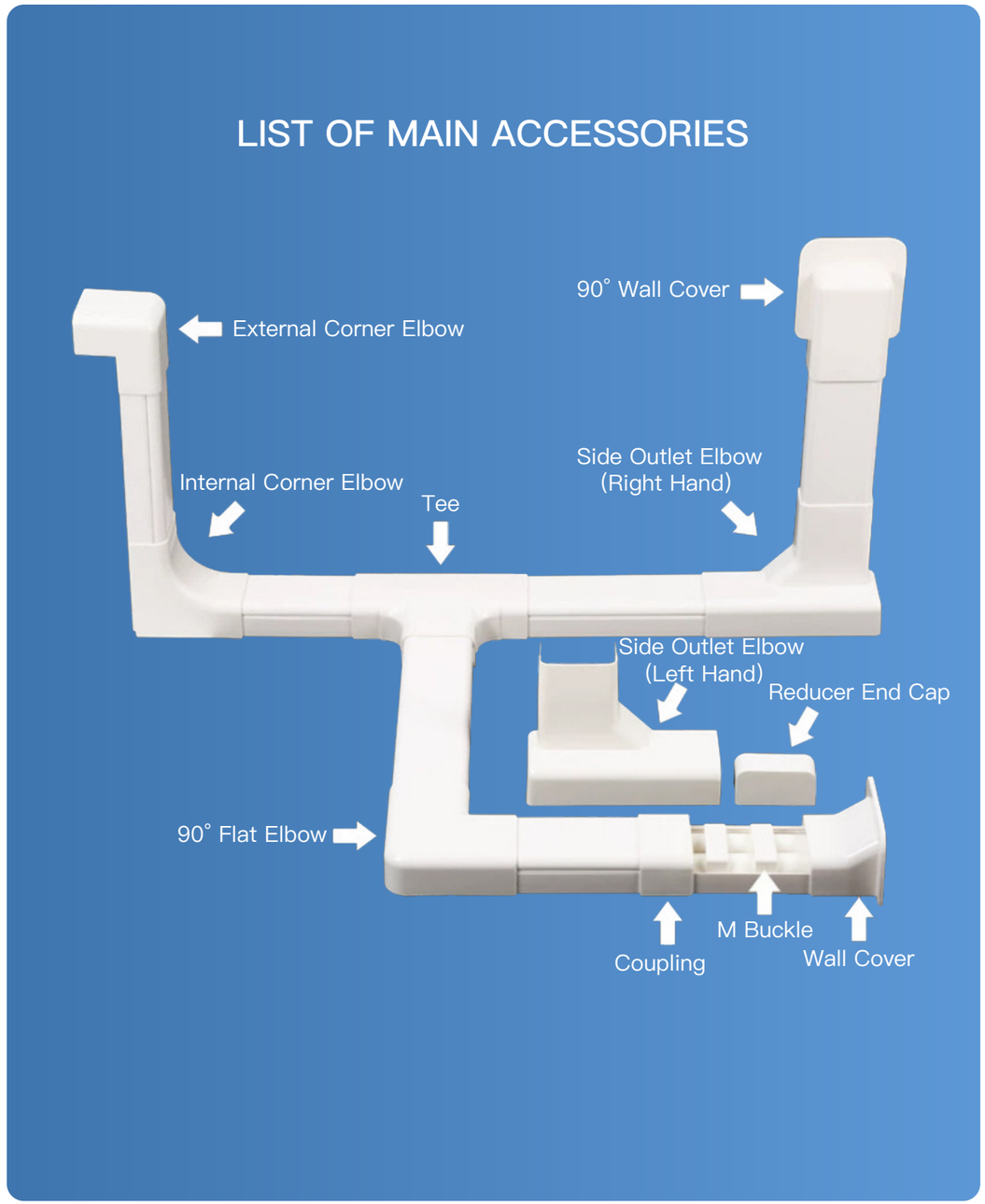


Screw the screws and mounting components into the expansion tube

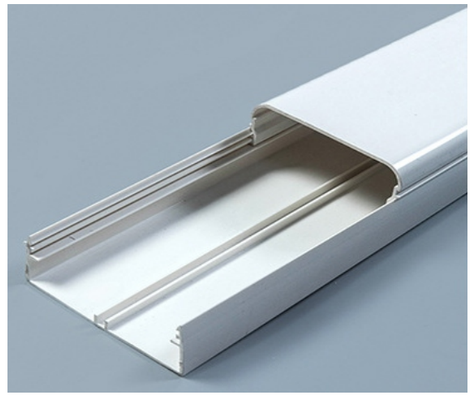
Fix with self tapping screws

TECHNICAL SPECIFICATIONS

LIST OF MAIN ACCESSORIES





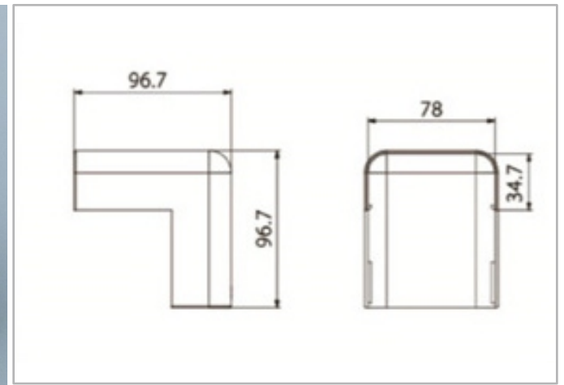


Straight Duct

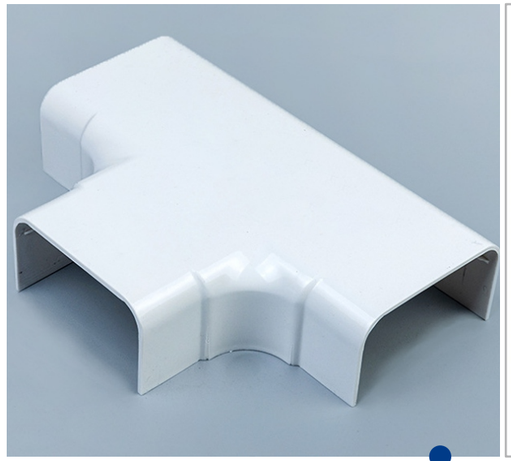
Specifications
65*30mm（*Outer Diameter：20mm）
75*40mm（*Outer Diameter：25mm）
80*40mm（*Outer Diameter：25mm）
100*50mm（*Outer Diameter：32mm）

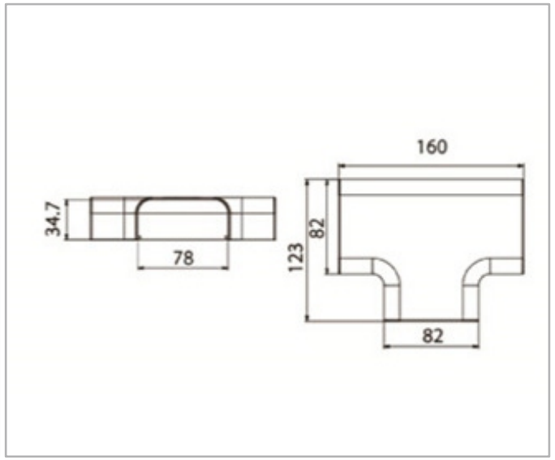


External Corner Elbow



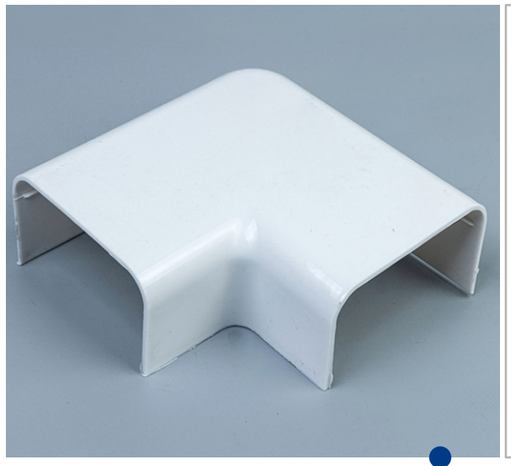
Specifications
65*30mm
75*40mm
80*40mm
100*50mm

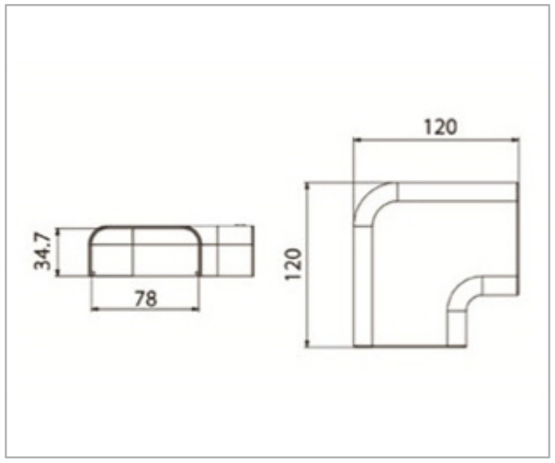




Tee

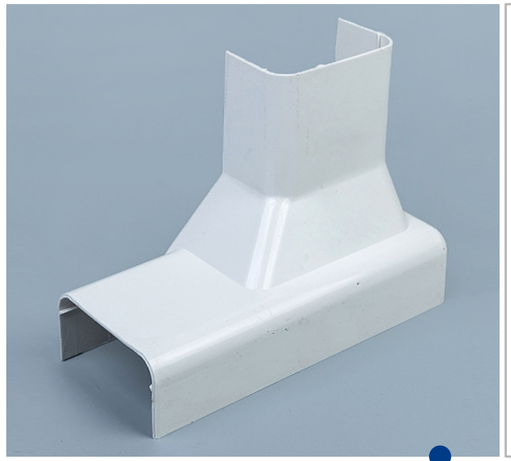
Specifications
65*30mm
75*40mm
80*40mm
100*50mm

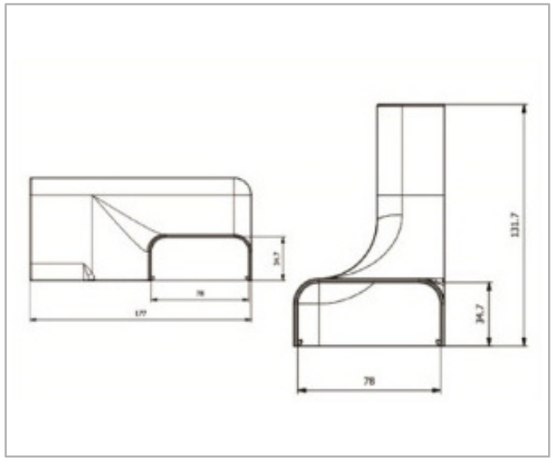




90° Flat Elbow

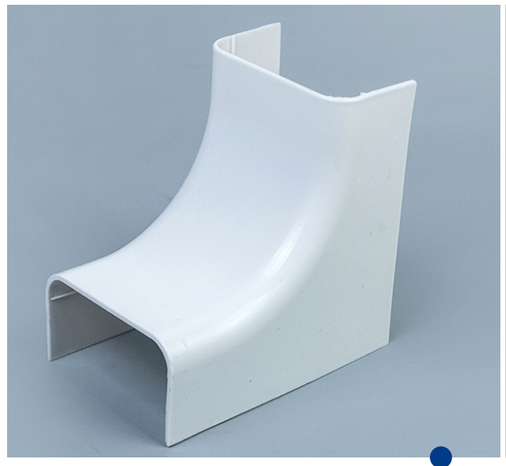
Specifications
65*30mm
75*40mm
80*40mm
100*50mm

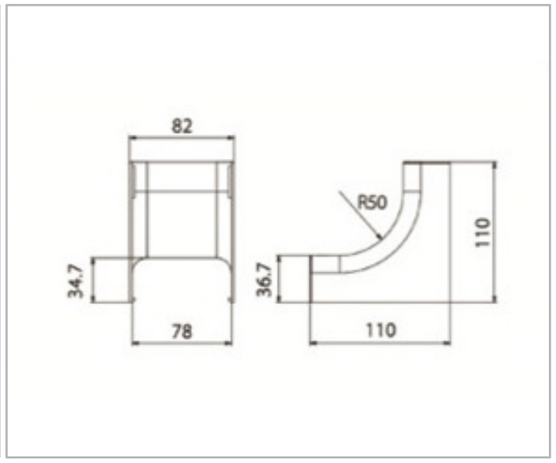




Side Outlet Elbow
(Right Hand)

Specifications
65*30mm
75*40mm
80*40mm
100*50mm





Internal Corner Elbow

Specifications
65*30mm
75*40mm
80*40mm
100*50mm



Coupling

Specifications
65*30mm
75*40mm
80*40mm
100*50mm

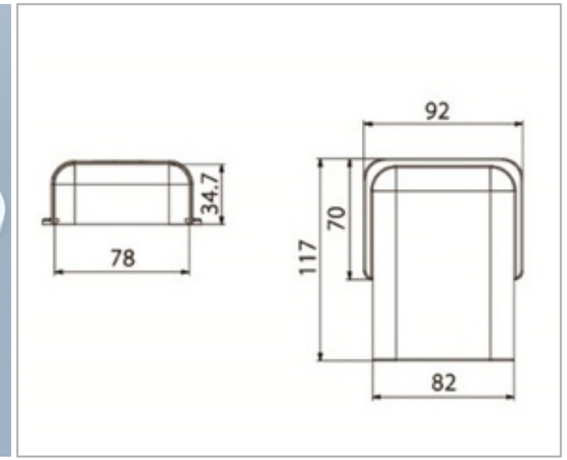


Reducer End Cap

Specifications
65*30mm
75*40mm
80*40mm
100*50mm



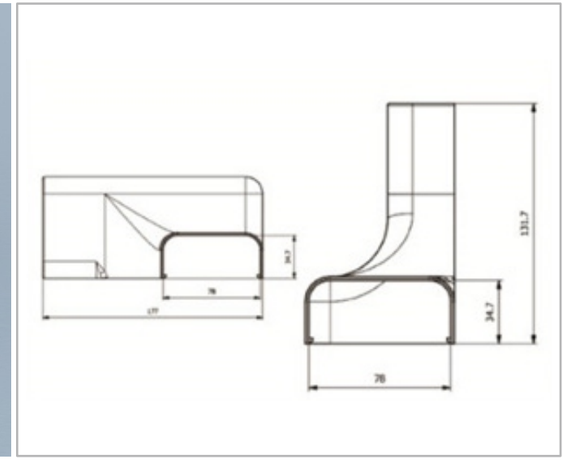
90° Wall Cover



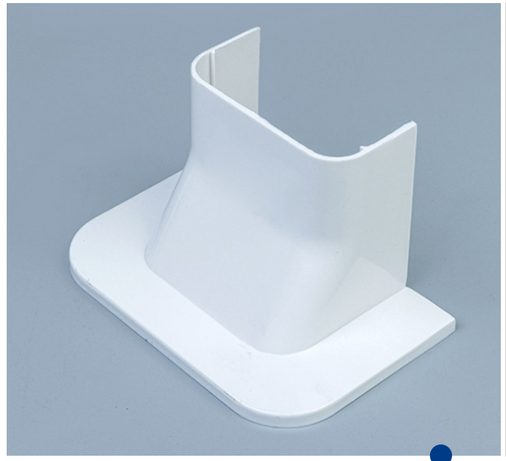
Specifications
65*30mm
75*40mm
80*40mm
100*50mm

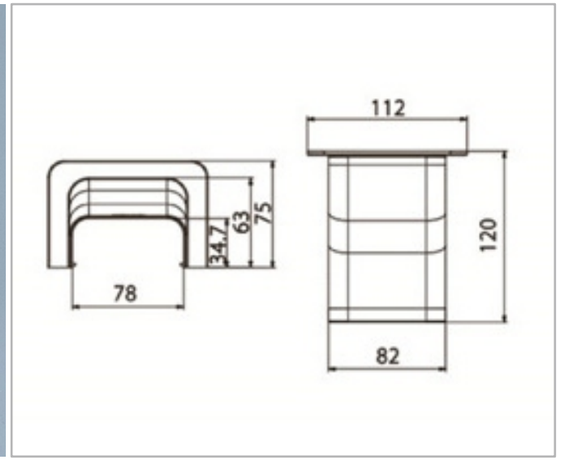


Side Outlet Elbow
(Left Hand)



Specifications
65*30mm
75*40mm
80*40mm
100*50mm

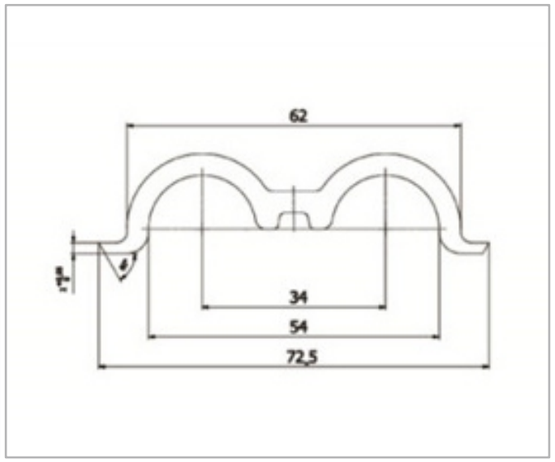




Wall Cover

Specifications
65*30mm
75*40mm
80*40mm
100*50mm





M buckle

Specifications
65*30mm
75*40mm
80*40mm
100*50mm

*Functions and Features

①It is an M-shaped design that works in conjunction with the base for quick installation.

②It can be moved and fixed freely within the pipe groove.

③It is suitable for 16-25mm aluminum-plastic pipes or PP-R pipes.

INSTALL CASE

Can be used in multiple scenarios, suitable for both home and public place.









MULTIFUNCTIONAL PANEL TRUNKING



PRODUCT INTRODUCTION

This product is mainly used for storing cable sockets, suitable for indoor and outdoor use. It is commonly used in various scenarios such as office buildings, offices, shopping malls, and new energy charging stations.Can be used with suitable socket panels.

MATERIAL QUALITY

Our product is made of brand new high-quality PVC resin material, and the whitening agent uses more stable and color resistant rutile titanium dioxide. It can effectively improve the effectiveness and extend the service life of the product.

Material Quality	Default Color	Specification
PVC	White	120*50mm

PRODUCT DISPLAY









ACCESSORIES DISPLAY



End Cap



90°Degree Flat Elbow



Tee



Coupling



Fixed Mount



Internal Corner Elbow
Positive Angle



Internal Corner Elbow
Negative Angle



Partition Plate

STRESS TESTING



