

BIG POWER
大力电工

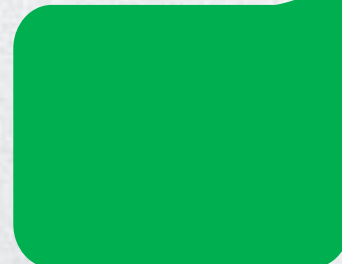
Nanotechnology

Cable tray introduction

武汉大力电工科技发展有限公司

performance beyond aluminum alloy

Respond to national call of "environmental protection, plastic to replace steel"



CONTENTS

1

About company

2

Product introduction

3

Product display

01



About company

01 : Introduction 02 : Culture 03 : Certifications
04 : Marketing network 05 : Corporate honor

Introduction



Introduction

- ▶ Wuhan Big Power is a subsidiary of 【Big Power 830965】
- ▶ 【Big Power】 response to the key layout of the national "double-creation" strategy, the company focus on developing new technologies and products
- ▶ Gather 30 technology talents to meet the research and development needs
- ▶ Transforming and upgrading, expanding a new type of high-tech industry



Departments

- ▶ New Industry Development Department
- ▶ Original product upgrade and optimization department



Employees

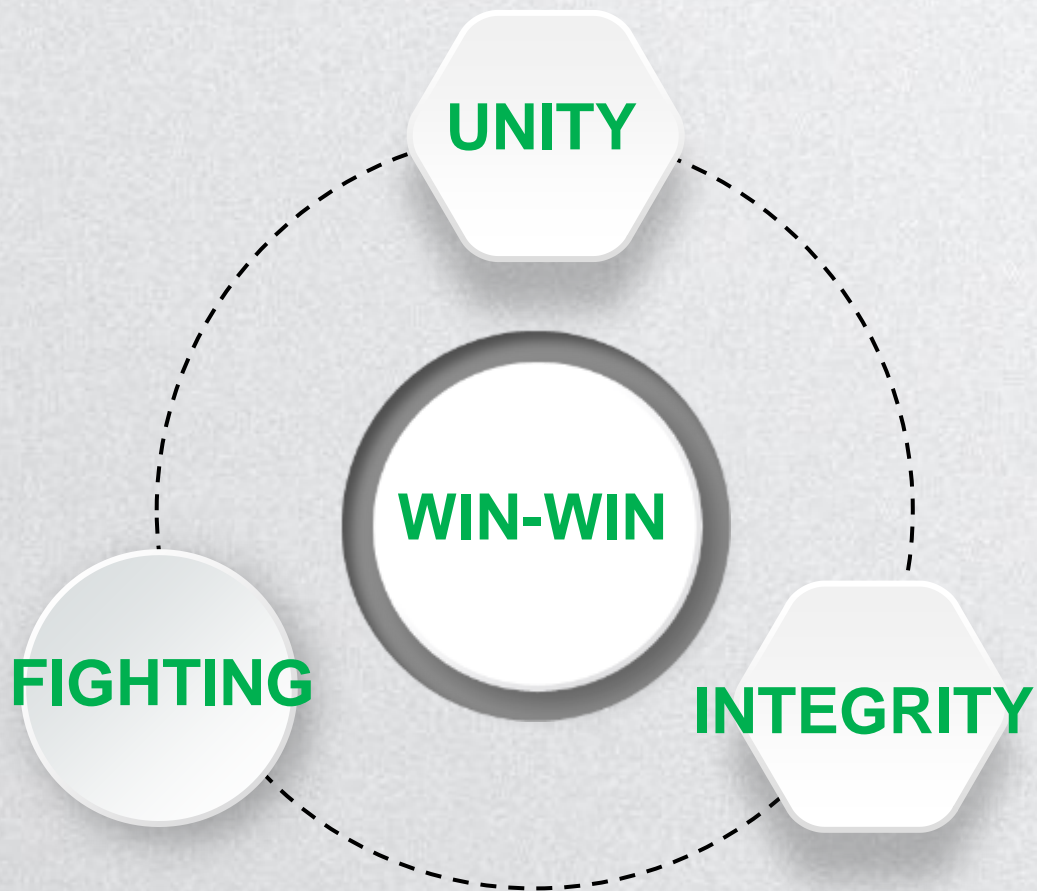
- ▶ 5 doctors and 12 masters
- ▶ 22 others



Annual Target

Year 2018 sales target
USD3.5Million

Culture



Corporate vision :

— Let us live on the earth with clean electric energy for ever !

Our Mission:

— Pioneer for partners, struggle for value !

(Partners includes shareholders, employees, customers and supplier; value is which can bring benefits to all partners and society. This is the driving force behind our entrepreneurship and the root of a hundred years of foundation.)

— Be honest forever, keep innovation everyday !

(One hundred years means eternal and honesty will never change; everyday means lasting and innovation will never change; honesty and innovation are the guarantee for us to achieve a hundred years of foundation.)



Marketing network



Trinity System

Beijing Marketing Center

Tel: 010-62294288

Wuhan Center

Tel: 027-87807123

Xiangyang Production Center

Tel: 0710-3220078



Certifications



National Torch Plan Key High-tech Enterprise



The First Batch of Provinces "123" Training Plan Enterprise



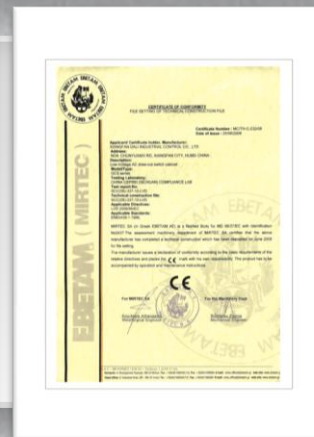
Provincial Enterprise Technology Center



湖北省发展改革委 湖北省财政厅
湖北省地方税务局 武汉海关

Corporate honor -1

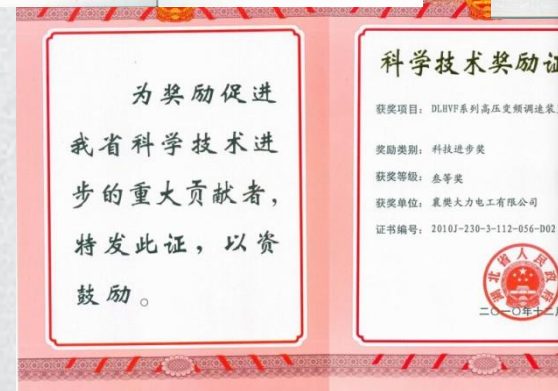
Quality always comes first, and company has made breakthrough progress in market access and certifications, which includes:





Corporate honor -2

Undertaken a number of science and technology projects in national & provincial & municipal level, with achievements of obtaining national torch plan, key new product plan. Undertaken national central budget projects, major product R&D projects etc.



The road to glory is the constant surpassing of quality ...



Product introduction

01 : R&D background

02 : Product advantages

03 : Performance comparison



R&D background

With the improvement of people's living standards and technologies, "plastic to replace steel" and "green environmental protection" will become a trend. Introduced The nano polymer cable trays are superior to metal trays in terms of physical and chemical properties and are ideal alternatives to traditional metal trays.



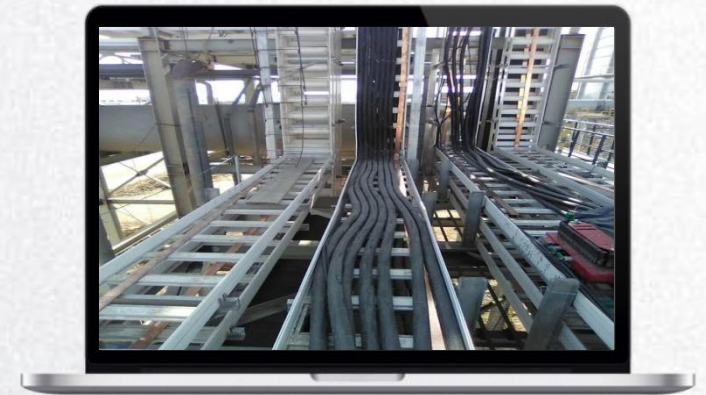
**Traditional tray
poor corrosion resistance**

In coastal erodible areas, the service life of traditional metal bridges is less than 3 years, and the life of factories and mines that produce corrosive gases and liquids is less than 1.5 years.



**Traditional tray
produce pollution**

In the galvanizing process, a large amount of waste water and waste materials were discharged.



**High labor costs
to replace**

Bridge replacement is more cumbersome than direct installation, and the replacement process is time-consuming, laborious and impacts production.



Products development

武汉大力电工科技发展有限公司



Joint venture



山东盛瑞科华新材料有限公司



New Materials Company and Beijing University of Chemical Technology Fire Safety Materials Research Center jointly established the "New Materials Joint R&D Center". The center relies on national key disciplines in materials science and specializes in basic theory and application research of flame retardant polymer materials. It is one of the important research teams in the field of fire safety materials in China.

In recent years, the Center has undertaken and outstandingly completed a number of research projects at the international and provincial level, including the National Natural Science Fund Project, the National Military Defense Industry Supporting Project, and corporate cooperation projects. Participated in 973 national key research, results have been successfully applied to military and civilian fields such as aviation, marine and special fire prevention.



Product advantages

No.1

Plastic to replace steel,
saving energy and reducing
consumption

No.2

Hollow structure,
light and easy to install

No.3

Corrosion resistance, anti-aging,
anti-wear, moth-proof

No.4

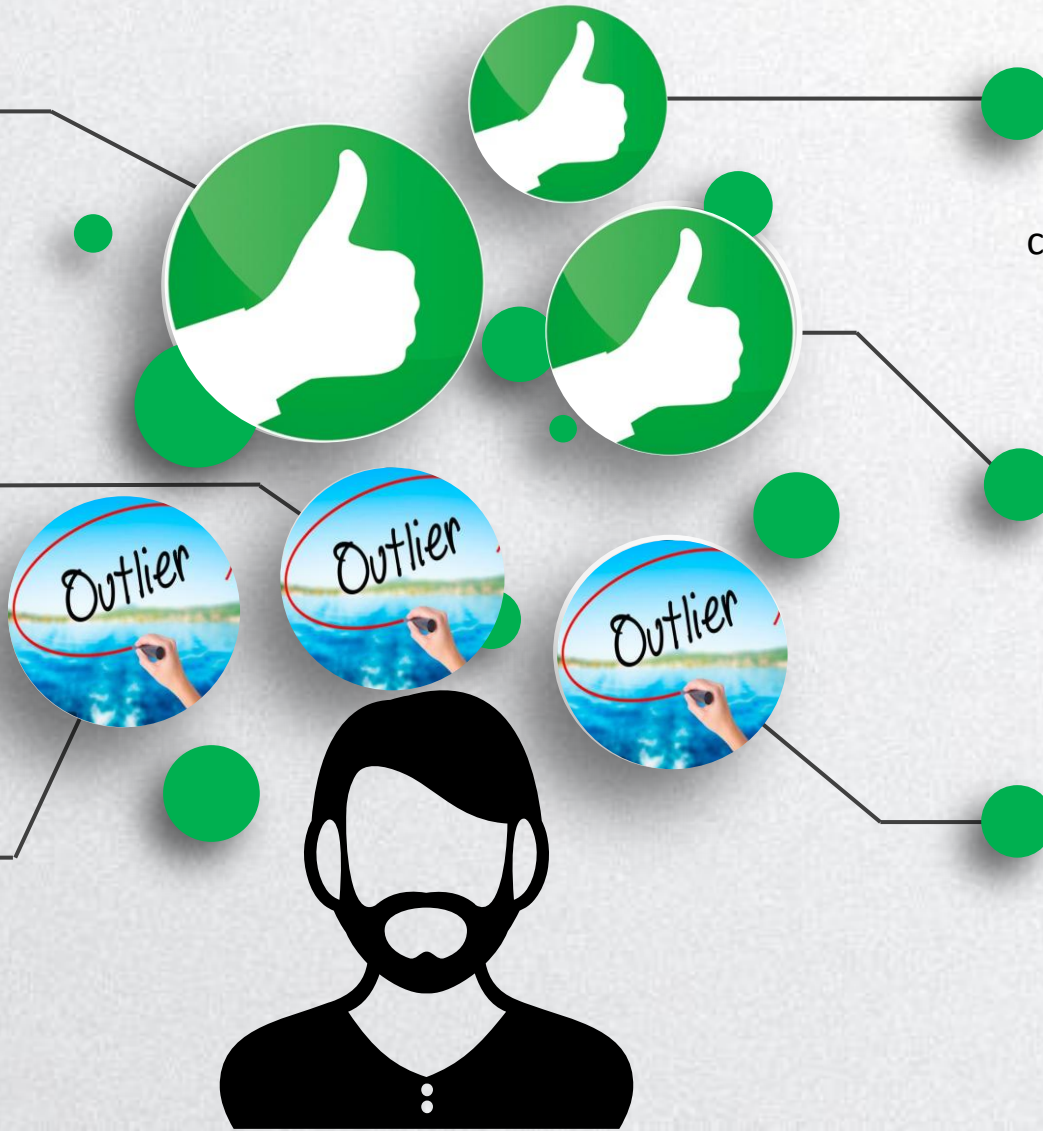
Insulating material, non-eddy
current, antistatic; flame retardant
and smoke suppressant

No.5

Non-toxic, harmless, non-
polluting and durable

No.6

Green, recyclable





Performance comparison

Material properties	Nano Cable Tray	Fiberglass Tray	Steel Tray
Appearance	Beautiful	General (feeling bad)	General (a lot glitch)
Weight	Light	Lighter	Heavy
Installation time	No bolting, quick installation	A large number of bolts are installed slowly (the nut hole is easily cracked during installation)	A large number of bolts are installed slowly
Installation process defective rate	Standardized decomposition delivery to site, low defective rate	Difficult to punch at the site, the bridge itself has many cracks, and the defective rate is high	It is easy to be deformed during transportation and has a high defective rate
On-site changes	Easy	Hard	Hard
Maintenance costs	Maintenance-free	Low	High cost of preservation
Leakage protection, safety grounding	No need to ground	No need to ground	No need to ground
Temperature resistance	High temperature will not produce harmful gases, good insulation	High temperature will produce harmful gases	No harmful gas, but poor thermal insulation
Oxygen Index	Fire retardant	Flammable	Not burn
Corrosion resistance	In a corrosive environment, no chemical reaction occurs	In a corrosive environment, no chemical reaction occurs	In the corrosive gas, liquid environment, easy to rust
Shielding	Better	No	Good
The tray itself has no negative effect on the cable during installation	Internally smooth, no damage to the cable	The link bolt may sometimes cause damage to the cable due to incorrect pull, affecting cable life	Link bolts and burrs can sometimes cause damage to the cable due to incorrect pull, affecting cable life
The role of the tray when aging	Nano-materials, insulation of	Easy to accelerate cable aging	Easy to short circuit with cable

03



Product display

- 01 : Categories 02 : Models 03 : Specifications
- 04 : Production equipment 05 : Product display
- 06 : Cases



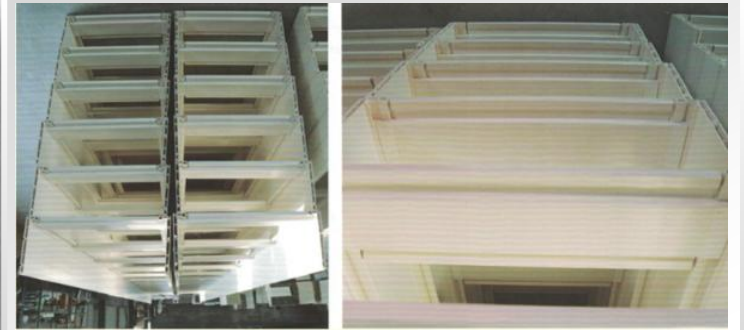
Categories

01



Trough type

Groove formed by the bottom plate and the side

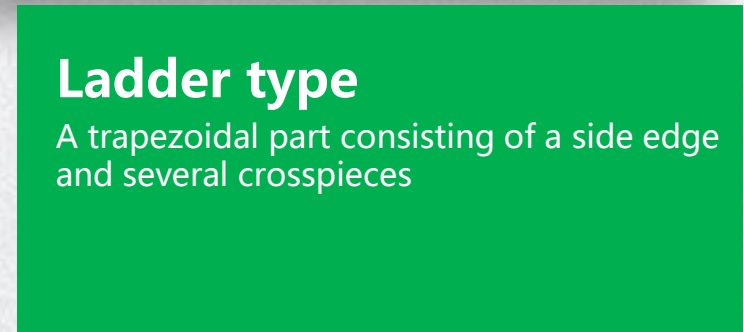


02

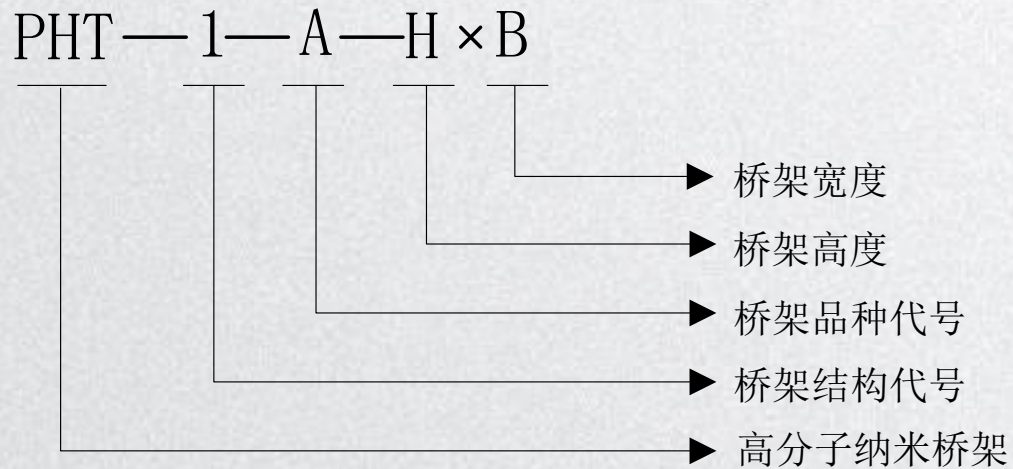


Ladder type

A trapezoidal part consisting of a side edge and several crosspieces



Models

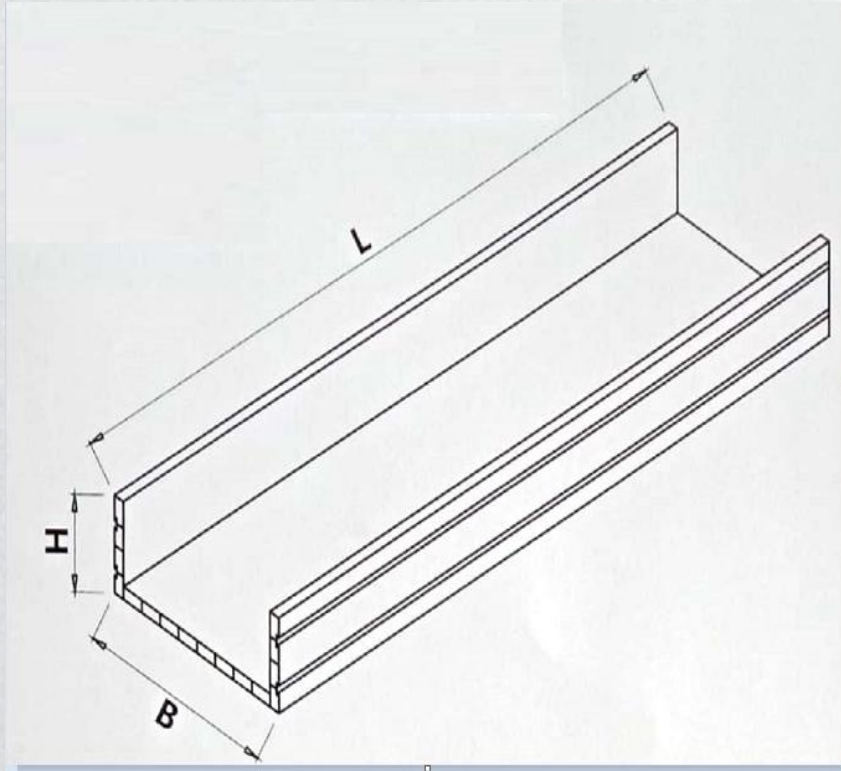


Name	Code
Trough type	1
Ladder type	2
Tray type	3

Name	Code	Name	Code	Name	Code
Straight line	A	Horizontal bend	B	Horizontal three way	C
Horizontal four - way	D	Vertical concave bend	E	Vertical up three way	F
Vertical four - way	G	Vertical convex bend	H	Vertical down three way	J
Variable diameter through	K	Non-standard (customized)	M		



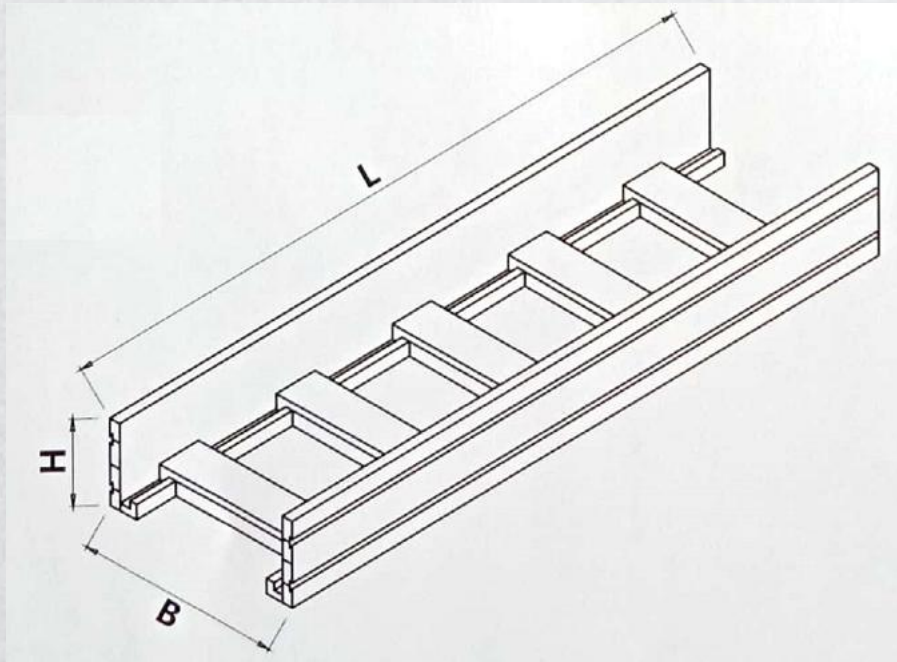
Trough type



Height (H) mm	Width (B) mm	Length (L) mm
60	75 100	600
85	125 150	
	200	
120	100 150	
120	200 250	
170	300 400	
	450 500	
220	650 700	
	750 800	
	850 900	
	950 1000	
	1050 1100	
	1150 1200	

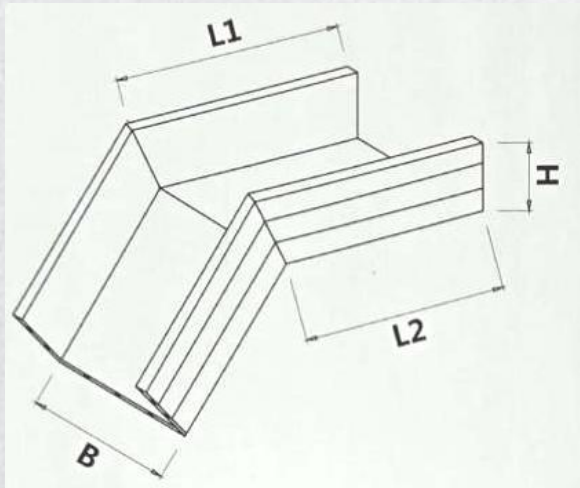


Ladder type

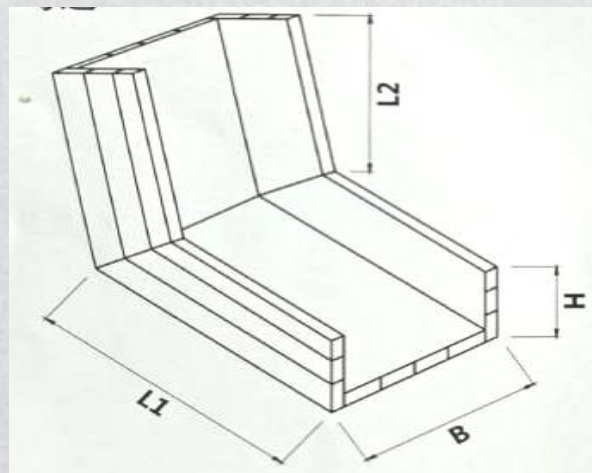


height (H) mm	Width (B) mm
120	200 250 300
170	400 450 500 650 700 750
220	800 850 900 950 1000 1050 1100 1150 1200

45° up bend

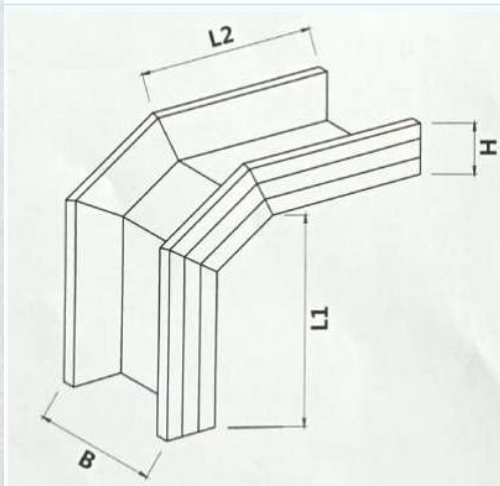


45° down bend

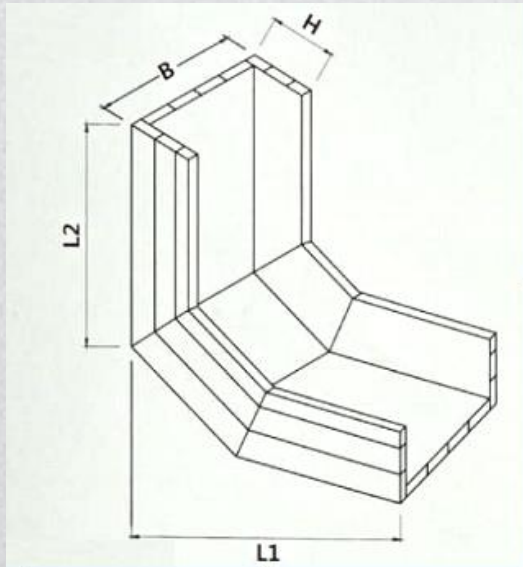


Height (H) mm	Width (B) mm	length (L1、 L2) mm
60	75 100	400
85	125 150	
	200	
120	100 150	
120	200 250	
170	300 400	
220	450 500	
	650 700	
	750 800	
	850 900	
	950 1000	
	1050 1100	
	1150 1200	

Vertical up bend

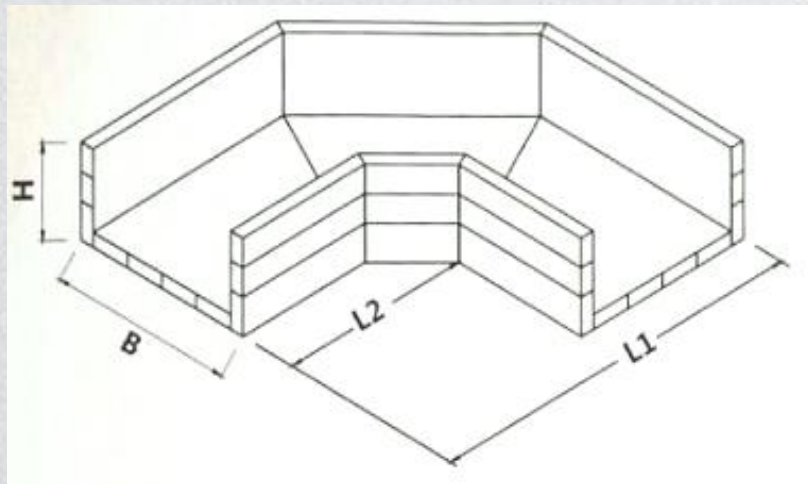


Vertical down bend



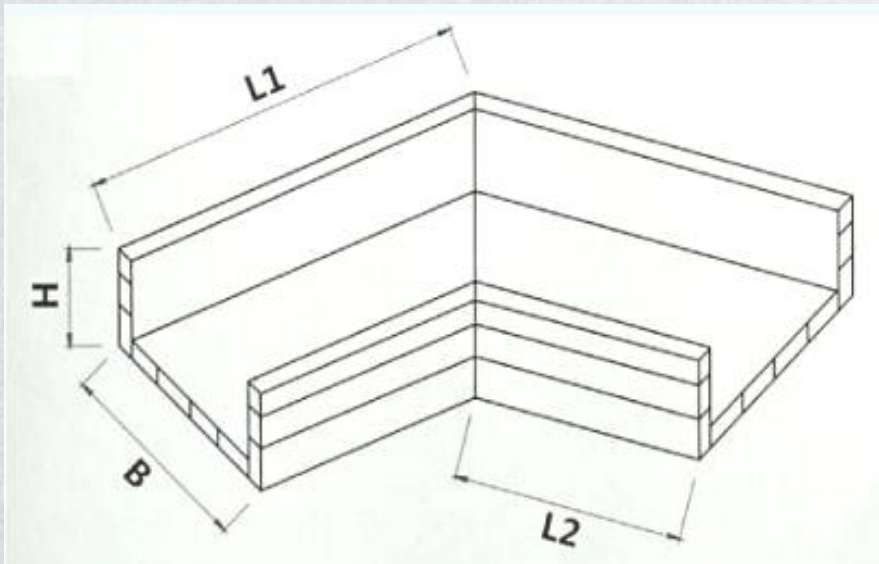
Height (H) mm	Width (B) mm	Length (L1)mm	Length (L2)mm
60	75 100 125	450	300
85	150 200		
120	100 150		
120	200 250		
170	300 400		
220	450 500		
	650 700		
	750 800		
	850 900		
	950 1000		
	1050 1100		
	1150 1200		

Horizontal bend



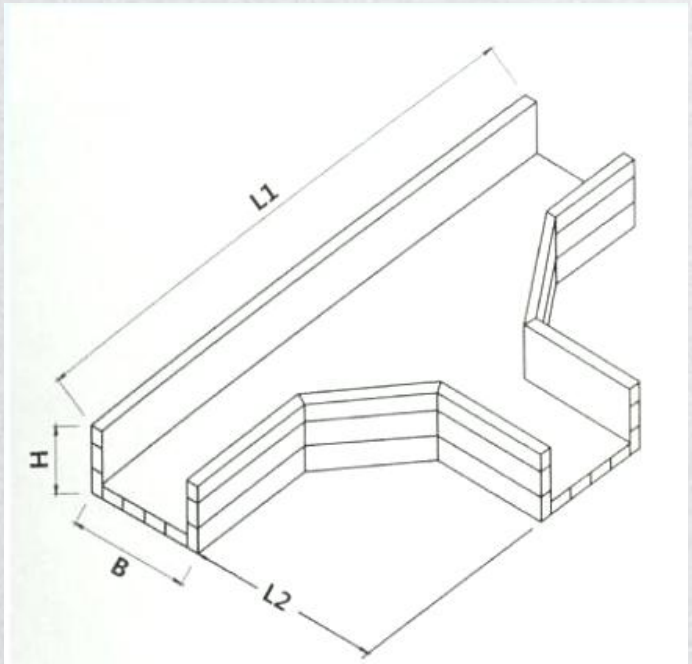
Height (H) mm	Width (B) mm	Length (L1)mm	Length (L2)mm
60	75 100 125	B+320	300
85	150 200		
120	100 150		
120	200 250		
170	300 400		
220	450 500		
	650 700		
	750 800		
	850 900		
	950 1000		
	1050 1100		
	1150 1200		

45° horizontal bend



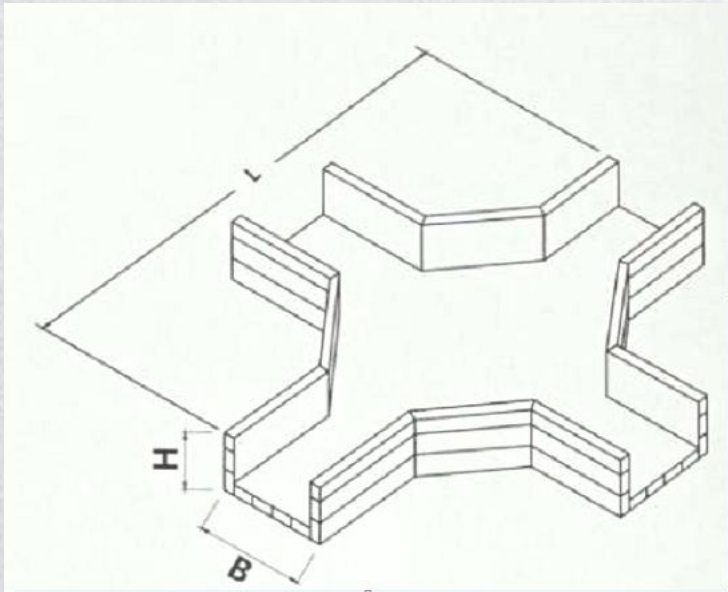
Height (H) mm	Width (B) Mm	Length (L1) mm	Length (L2) mm
60	75 100 125	B+320	300
85	150 200		
120	100 150		
120	200 250 300		
170	400 450 500		
220	650 700 750		
	800 850 900		
	950 1000		
	1050 1100		
	1150 1200		

Horizontal three way



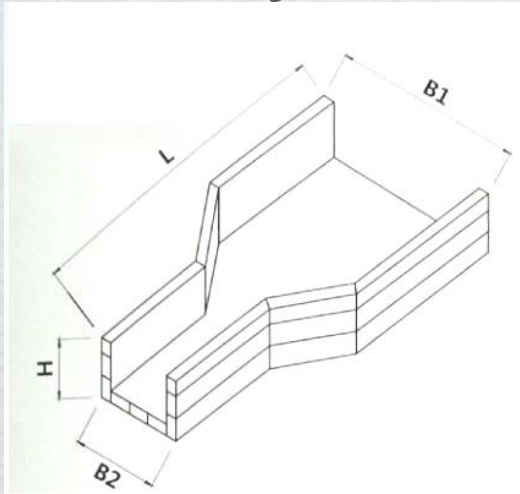
Height (H) mm	Width (B) mm	Length (L1) mm	Length (L2) mm
60	75 100 125	620 720 820	300
85	150 200		
120	100 150		
120	200 250 300 400 450 500 650 700 750	820 920	
170		1120	
220		800 850 900	
	950 1000	1320	
	1050 1100	1420	
	1150 1200	1620	
		1820	
		2020	

Horizontal four way

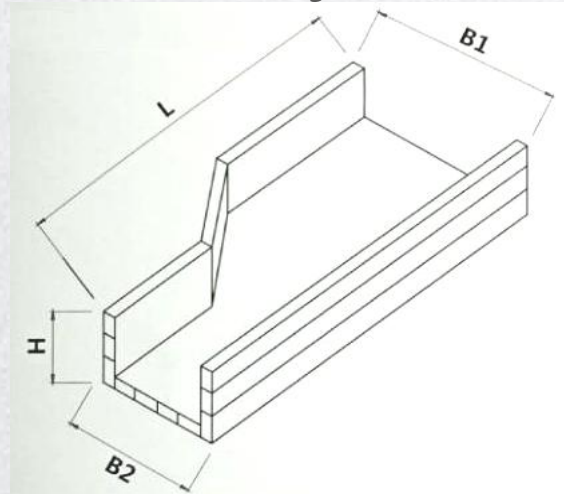


Height (H) mm	Width (B) mm	Length (L) mm
60	75 100 125 150	620 720 820
85	200	
120	100 150	820 920 1120 1220 1320 1420 1620 1820 2020
120	200 250 300 400 450 500 650 700 750 800 850 900 950 1000 1050 1100 1150 1200	
170		
220		

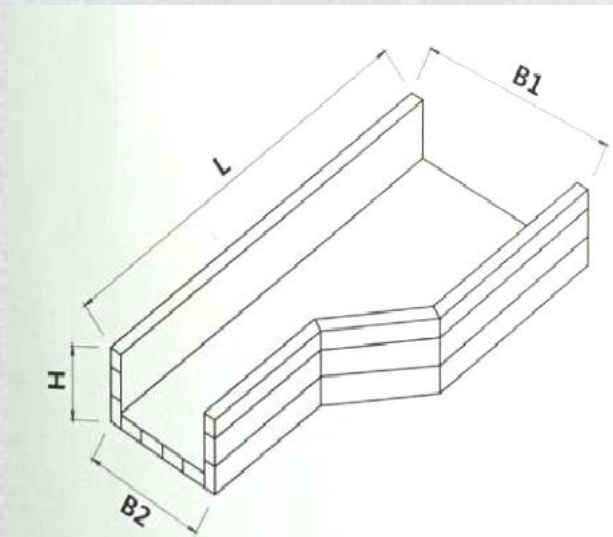
different diameter joint -6A



different diameter joint -6B



different diameter joint -6C



Height (H) mm	Width (B1) mm	Width (B2) mm	Length (L) mm
60	75 100 125		800
85	150 200		
120	100 150		
120	200 250		
170	300 400		
	450 500		
	650 700		
	750 800		
220	850 900		
	950 1000		
	1050 1100		
	1150 1200		



Production equipment

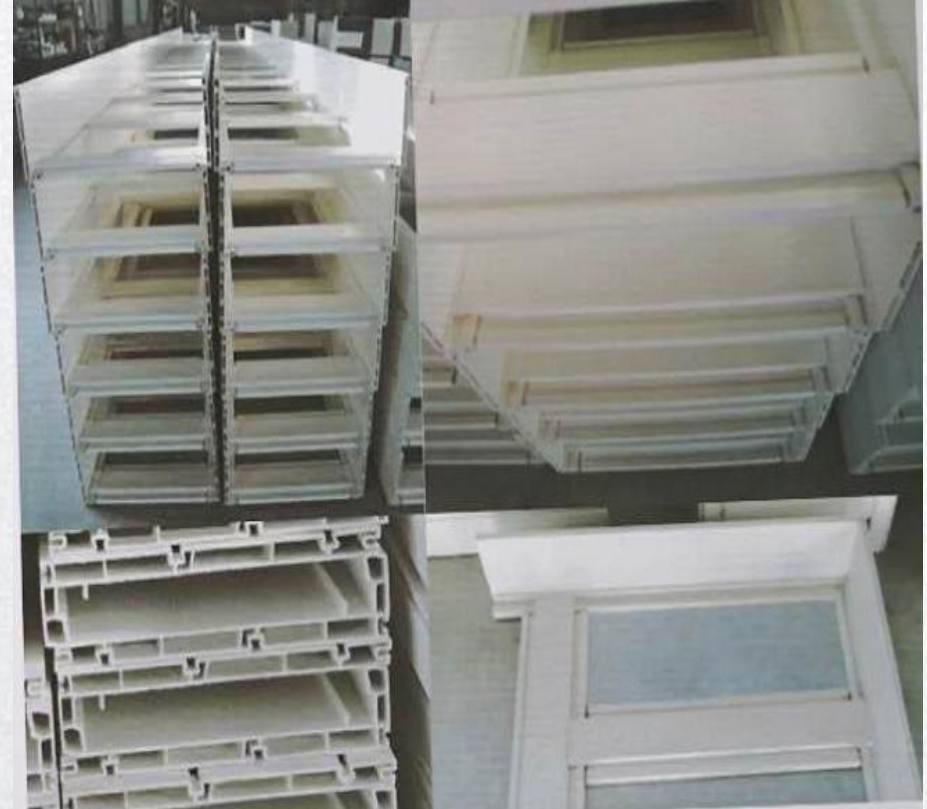


Fully-automated equipment to meet 24-hour production requirements

Delivery period of 15 days



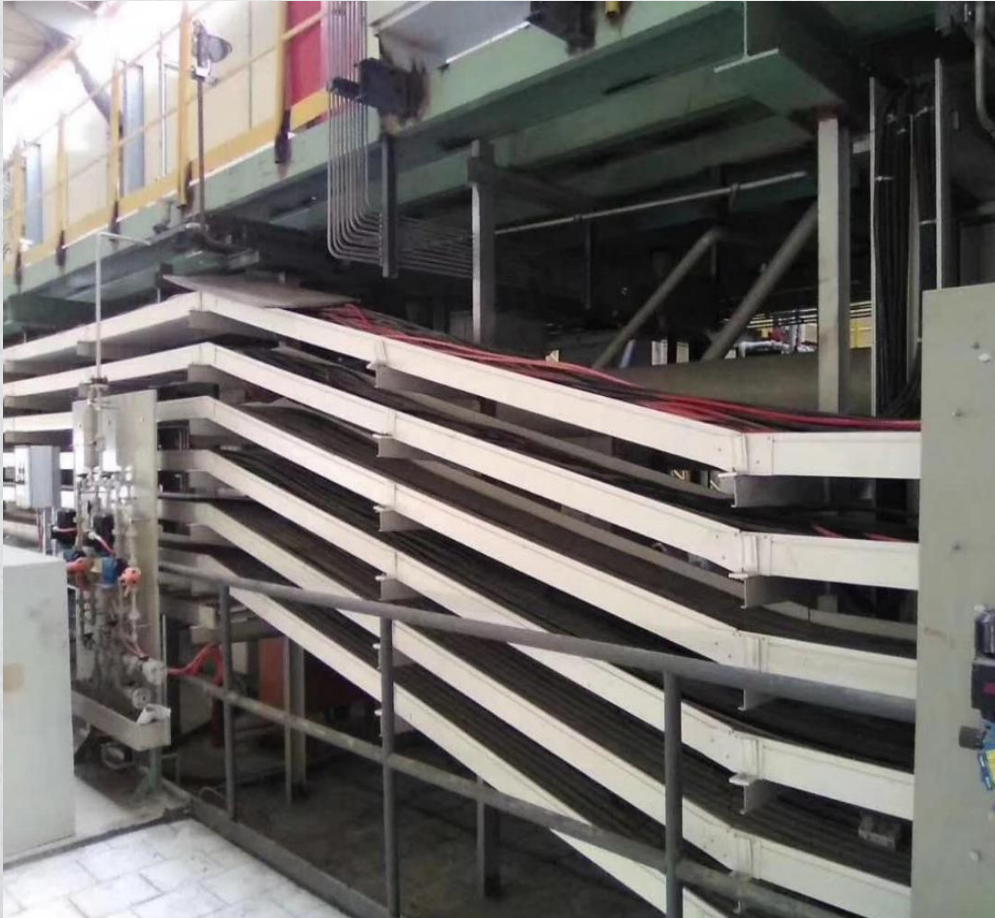
Product display



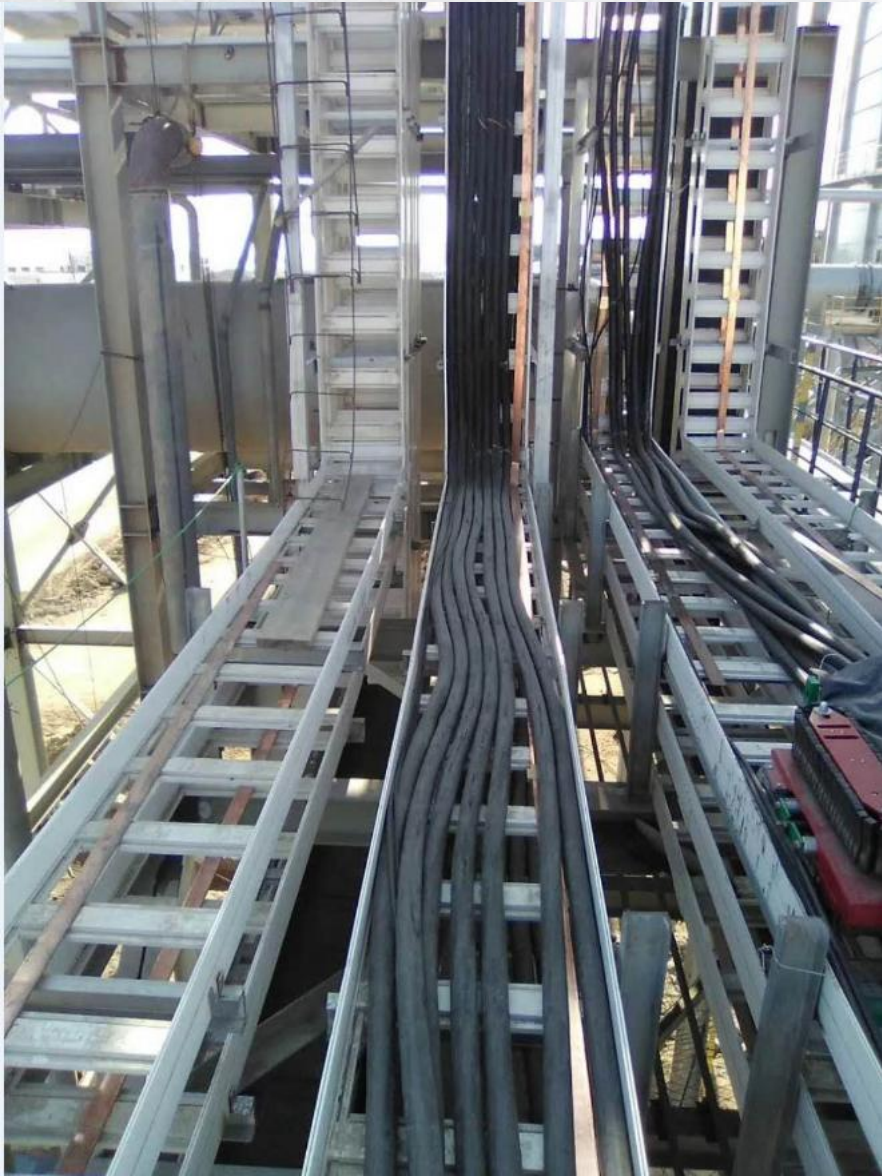
The color is mainly light gray, other colors can be customized



Cases



Paper making factory



Chemical plant





The company is in the coastal area and the steel bridge is completely corroded and the cable is leaking. It plans to be replaced by our polymer nano-bridge.





The metal pipe was on site for two years and the surface was completely rusted. Our bridge was installed for two years just like new.



Contact us



Please scan

Big Pauer sincerely at your service.

Add : Optical Valley·Wuhan·China

PHONE: +86 13627203936 FAX: +027-87807132

EMAIL: huzhidan@bigpauer.com



Win-win cooperation

THE END