FRP tube

FRP tube is a type of tube made of glass fiber reinforced plastic, also known as FRP pipe or GRP pipe. It combines the high strength and corrosion resistance of glass fiber, as well as the lightweight and easy processability of plastic.

Fiberglass reinforced plastic pipes have the following characteristics and advantages:

1. High strength: Fiberglass reinforced plastic pipes have excellent strength and rigidity, and can withstand certain pressures and loads.

2. Strong corrosion resistance: Fiberglass reinforced plastic pipes have good corrosion resistance to various chemicals, acids, alkalis, and salts, and are suitable for the transportation of various corrosive media.

3. Lightweight: Compared to metal pipes, fiberglass pipes have a lighter weight and are easy to handle and install.

4. Good heat resistance: Fiberglass reinforced plastic pipes can work stably at high temperatures for a long time without losing their strength and performance.

5. Insulation performance: Fiberglass reinforced plastic is an insulation material that can effectively prevent electrical and thermal conductivity.

6. High durability: Fiberglass reinforced plastic pipes have a long service life and are not easily damaged by external factors.

Fiberglass reinforced plastic pipes are widely used in many fields, such as chemical engineering, petroleum, natural gas, water supply and drainage, sewage treatment, marine engineering, construction, etc. They can replace traditional metal pipelines, provide durable and reliable solutions in various harsh environments, and reduce maintenance and replacement costs.

A. round tube

Size: OD(mm)*Thickness(mm)			
16*3	18*3	20*3	25*3
30*3	31*3	32*3	36*3
36*6	38*4	40*3	40*4
46*2	46*4	46*6	50*3
55*4	60*5	80*5	90*6

Application: Guardrail

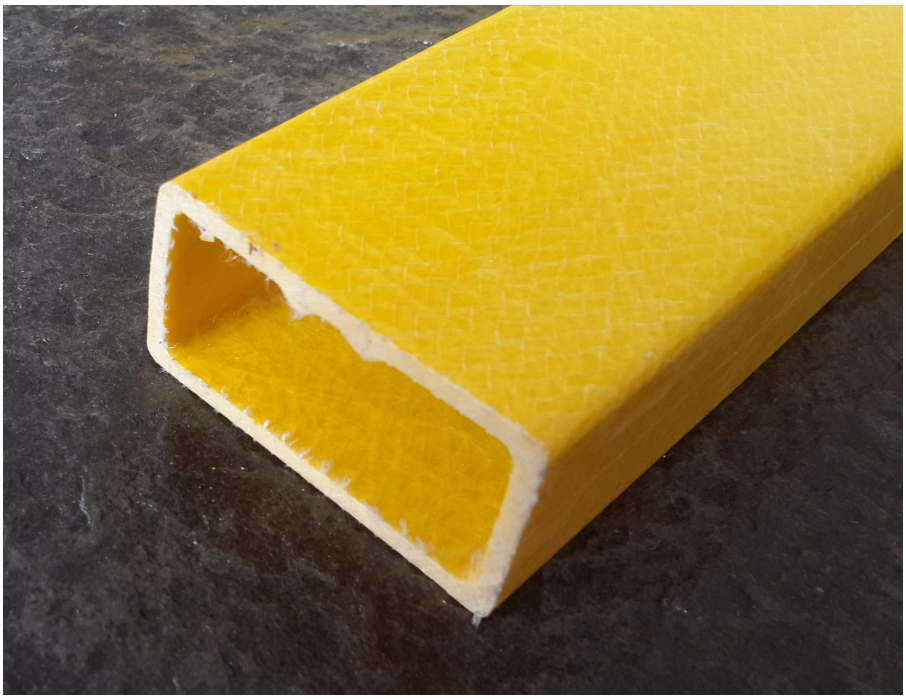
Tool handle

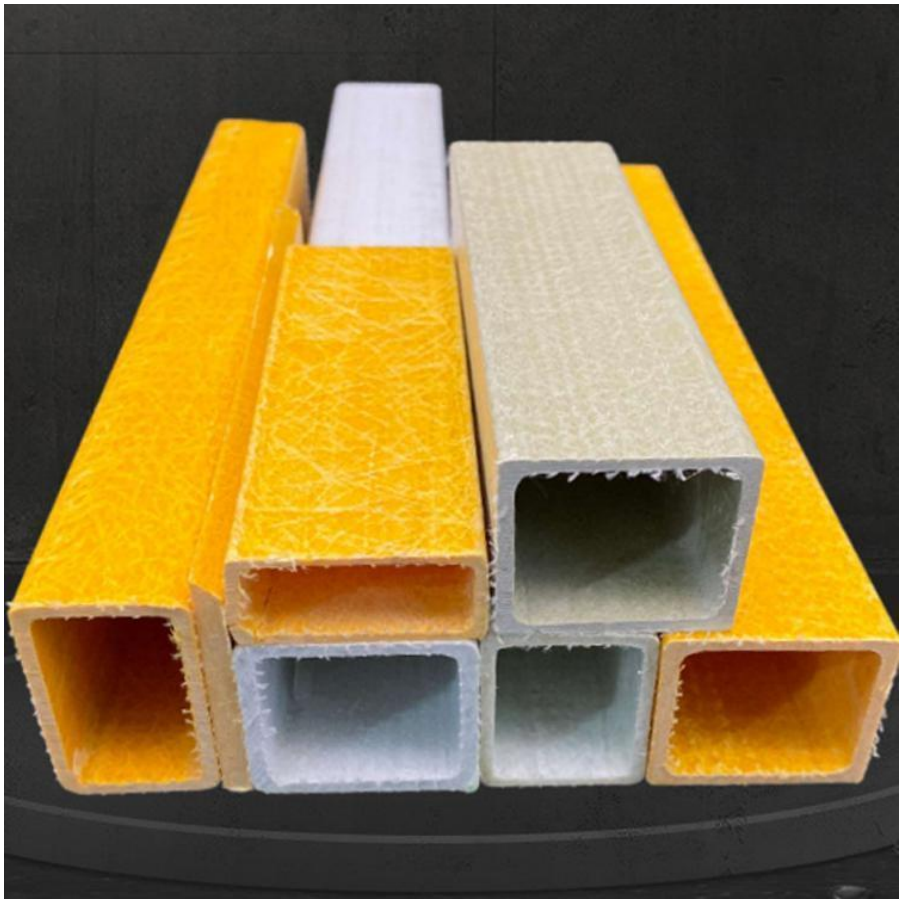
Freeway anti-glare shield and its handrail

Insulator rod for polymer insulators

Golf flag poles and soccer poles

FRP rectangular tube





Size: Width(mm)*Height(mm)*Thickness(mm)			
40*20*2	40*20*2.5	40*20*2.5	40*20*4
50*28*2	50*28*3	60*30*2	60*30*3
60*30*4	60*35*3	80*30*3	100*50*4
100*50*5	120*60*5	140*60*3	160*60*4

Application: Insulation ladders

Handrails

Fences

FRP square tube

Size: Width(mm)*Height(mm)*Thickness(mm)			
25*25*5	30*30*3	40*40*3	40*40*3.5
40*40*4	50*50*3	50*50*4	50*50*5
60*60*5	70*70*4	80*80*3	80*80*4
100*100*3	100*100*5	120*120*4	120*120*5

Application: Fences

Handrails

Ladders

Fiberglass rod

1.Product Introduction

Fiberglass rod is a reinforcing material, with unsaturated polyester resin as the matrix. It is extruded and formed to have good bending strength and impact strength, while not easily deformed, and has good wettability with glass fiber. The products are mainly used for: vegetable greenhouse fiber rods, tent poles, quick opening tent poles, bounce tent poles, fishing poles, doors and windows, building

materials, kites, windmills, sails, golf bags, golf practice nets, ski poles, and fitness circle arm strength bars.

Features of glass fiber rod products:

A. Glass fiber rod has strong performance, heat and cold resistance, good verticality, and good mechanical strength; Rotating shaft suitable for circuit board printing equipment

B. Glass fiber rod with high-strength and lightweight impact resistance: butterfly rings, baby stroller brackets, game blanket support rods, kite windmills, toys and other livelihood industries

C. Glass fiber rod insulation, excellent magnetic permeability: suitable for structural materials such as aerospace, construction machinery and equipment, transformers, etc

D. Glass fiber rods are resistant to aging, have a long lifespan, and are maintenance free: switch pins, water sports equipment, etc.

2. Product Features

The service life of corrosion resistant, aging resistant and humid environment

can reach more than 15 years.

Good safety, high impact resistance, and strong processability are indispensable new alternative materials for modern industrial and agricultural products

It is lightweight and has high strength. Its specific gravity is 1.4-1.5g/cm, which is only a quarter of that of steel. It is extremely convenient for transportation and construction installation. Compared with plastic products, its strength is dozens of times that of plastic products, and its toughness is better than that of steel.

3. Size: 5mm 6mm 7mm 8mm 12mm16mm 20mm

4. Application: Golf clubs, strollers, bags, tool handles, umbrellas, toy products, medical equipment, outdoor supplies, agricultural supplies, building materials, model aircraft, flagpoles, bows and arrows, tent mosquito nets, seco tents, insulation ladders, antenna poles, football doors, curtains, knife shaped flagpoles, spray, handicrafts, advertising X shelves, and other industry support poles.

FRP angle

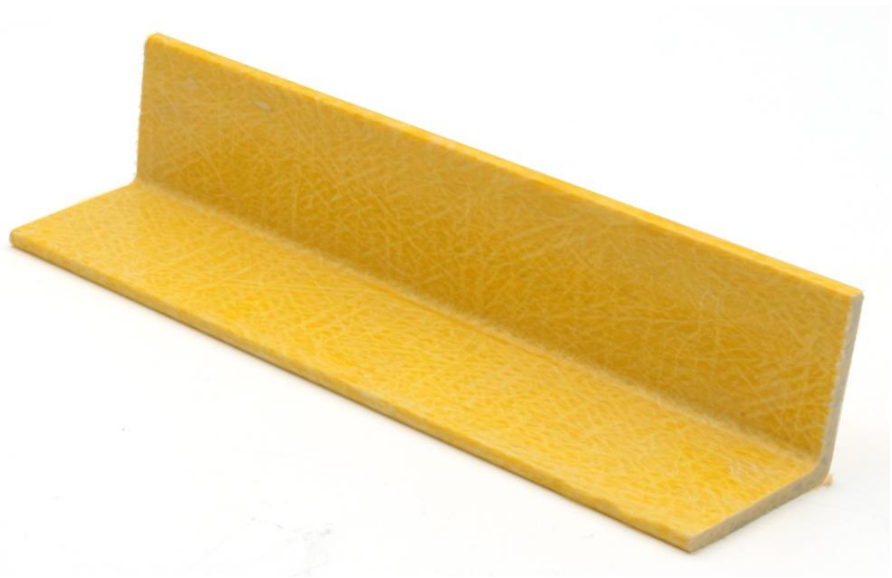
1.Product Introduction

Fiberglass angle products are mainly used in terms of corrosion resistance, aging resistance, insulation, light weight and high strength.

Good fiberglass angle, with dimensional stability and foldable thermosetting resin matrix, undergoes cross-linking during processing to form a network structure. The product has good dimensional stability under normal conditions and low post shrinkage after molding.

Fiberglass angle products exhibit minimal changes in shape and size under long-term continuous loading, resulting in minimal creep. Its creep performance depends on factors such as the size of the load, temperature, and loading time. Under fixed load and temperature conditions, the creep of thermosetting plastics after long-term loading is much smaller than that of thermoplastic plastics.

The good surface characteristics of fiberglass angle are that when folded composite materials come into contact with chemical media, there is generally little corrosion or scaling on the surface. Therefore, they are commonly used to manufacture fluid pipelines, with low internal resistance and low friction coefficient of fiberglass angle steel, saving a lot of power.



2.Product Features

Good dimensional stability

Superior heat and high temperature resistance characteristics

Excellent electrical performance

Good surface characteristics

Excellent corrosion resistance

3.

Size: Width(mm)*Height(mm)*Thickness(mm)			
30*30*3	30*30*5	30*30*6	35*35*5
40*20*2	40*40*3	40*40*4	40*40*8
50*35*3	50*50*4	60*60*3	75*75*8
80*80*8	100*80*8	100*100*6	150*150*12

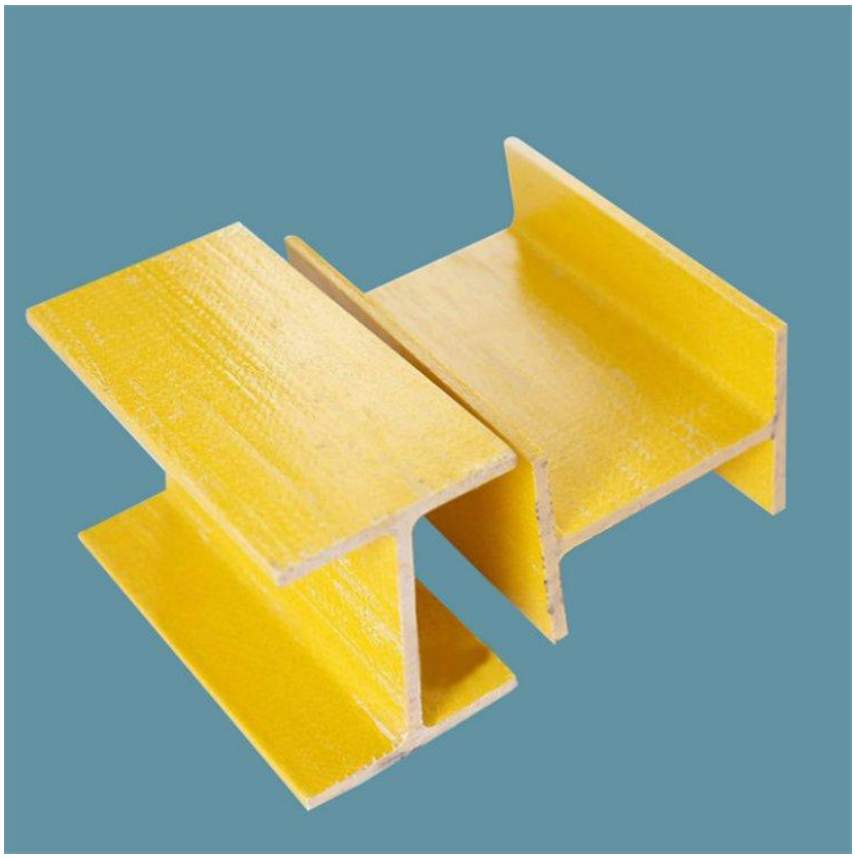
FRP H type beam

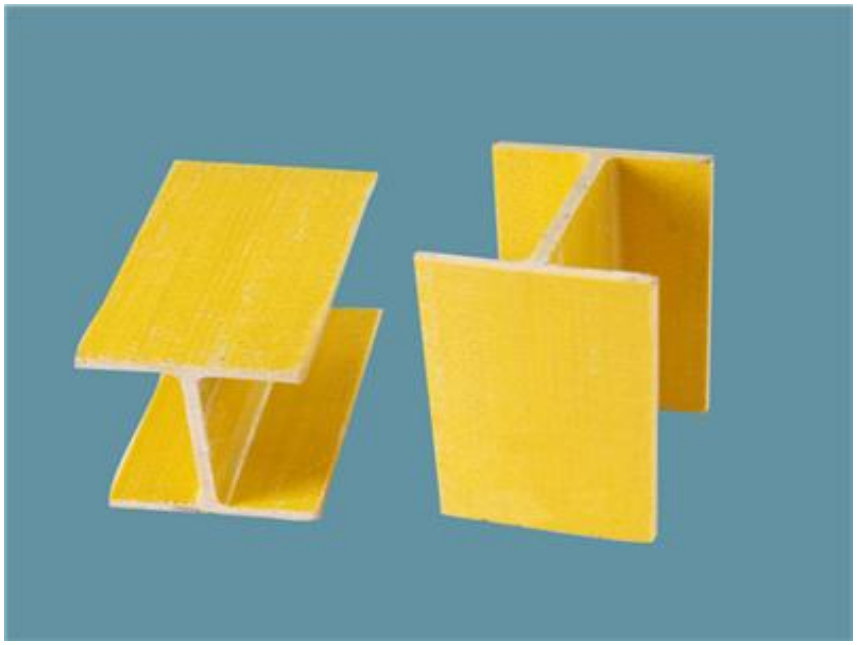
1. Product Introduction

FRP beams are good materials with high strength support structure.

It is suitable for crowds of long-span and high-strength structures.

FRP beams have excellent bearing capacity and they are widely used in bridges, roof bracing structures and industrial platforms.





2. Product Features

Good bearing capacity.

Superior shear and bending capacity.

Easy fabrication.

Good looking, corrosion-resistant.

Free maintenance, fire retardant, anti-UV.

Excellent insulation, magnetic permeability.

3.

Size: Width A(mm)*Width B*(mm)*Height(mm)*Thickness(mm)			
25*25*15*4	30*20*10*4	33*33*20*4	38*38*15*4
40*25*15*4	50*25*15*4	58*58*15*4	65*25*25*3
70*70*25*4	100*100*80*5.5	110*110*50*6	150*150*150*7

FRP U/C channel

1.Product Introduction

Fiberglass channel is made of alkali free and untwisted glass fiber composite roving, soaked in polyester resin for continuous extrusion molding and heating curing. Compared with other materials, it has the following obvious characteristics:

Glass fiber reinforced plastic channel steel requires almost no maintenance;

Fiberglass reinforced plastic channel has good tensile strength, bending strength, and impact toughness, without deformation, and has excellent chemical stability to atmospheric, rainwater, and general concentrations of acids, alkalis, salts, and other media;

Fiberglass channel has good designability and is suitable for various industries and environments;

Good electrical and thermal insulation, not afraid of lightning strikes, and

good insulation performance;

High surface smoothness, UV resistance, good light retention, non discoloration, and easy to clean.

In today's construction industry, the use of fiberglass channel steel is very beneficial for reducing the weight of buildings, improving their functionality, reforming building design, accelerating construction progress, reducing engineering costs, and improving economic benefits. It can be used for operating platforms, ladders, guardrails, brackets, equipment, tool handles, insulation support components, antenna columns, high-voltage cable trays, corridors, distribution boards and rooms, as well as pressure poles in trains and cars Packing brackets, frame materials, etc. in the tower.

2.

Size: Width(mm)*Height(mm)*Thickness(mm)			
45*30*3	50*20*3	50*25*3	50*30*3
50*50*4	55*20*4	55*30*5	60*38*8
70*30*4.5	76*38*6	80*40*4	95*15*3
100*35*6	100*50*6	120*50*6	150*60*8

Application: Ladder supports.

Handrails.

FRP/GRP battery stands.

Stair treads nosing.

Connection elements in FRP structures.

Support ledges for grating or beams

Beam structure of bridge.

Roof support structure.

Industrial platform.

FRP beam support stair.

Cooling tower structure.

Variety of cable management systems and support.

Grating structure component.

Platforms and walkways where non electrical and thermal insulating properties are required.