

FRP POLES

FIBER REINFORCED POLYMER

Lightweight Innovation,
Heavyweight Performance



At **BYTEWORX**, we constantly endeavour to provide a seamless experience to our clients in the most progressive and technologically viable way possible. Since inception in the year 2014, we are expanding with each passing day in terms of gamut of services & solutions we offer, cost-effective solutions, via research & development of technically superior products. Our teams consists of industry experts holding vast experience and technical know-how of successfully undertaking large-scale projects.



Low Weight Build
70% lighter than steel



Strength Assured
Steel-grade performance,
verified



Maintenance-Free
No rust, no repainting,
long service life



Fire & Shock Safe
Non-conductive and
fire-retardant design



Corrosion Resistant
Ideal for coastal,
chemical & harsh zones



Easy Installation
Lower Logistics cost &
faster deployment

FRP POLES

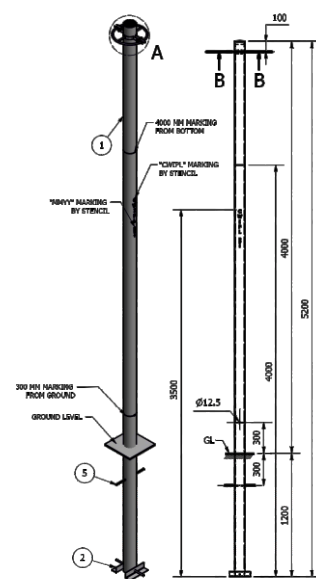
Description:

FRP Poles meet the highest international standards for their high strength, corrosion resistance, UV resistance, Mechanical strength, long life and safety. Fiberglass Poles are typically 40 to 50% lighter than steel poles and wood poles which make FRP Poles easier to handle, Installation and reduced work time.

Product Specifications:

FRP POLE CYLINDRICAL

Dimensions (L x D x T)	:	Customized
OD Sizes	:	75/100/150/200 mm
Thickness	:	Upto 10 mm
Length	:	Upto 10 Meter
Material	:	Isophthalic + Grass Fibre Roaming + Glass Fabric
Finish	:	RAL7035 or Client Specific
Standards	:	As per ASTM
Process	:	Pultruded Profiles



1.

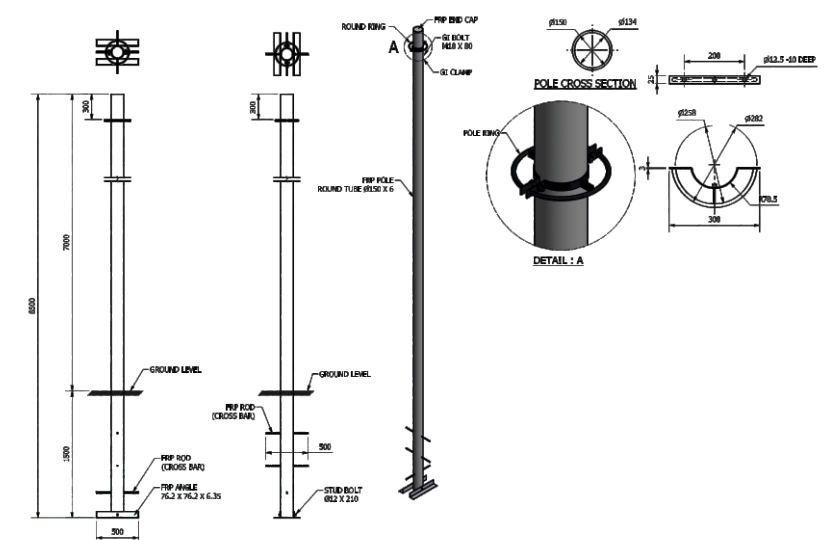
FRP POLES

Application

- Telecom
- Street Lighting
- Chemical Plants
- Parks
- Industrial Platforms
- Residential Colony

Features

- Low transportation cost with ease of Installation at very cheaper cost.
- Zero Maintenance for FRP Lighting pole.
- Fire retardant property make it ideal for electrical installations.
- Corrosion Resistance so it can provide long life & suitable for chemical zones and coastal areas.
- Saves humans life in case of road accidents.
- Safe (non conductive electrically).
- Direct burial.



2.

Fiberglass



Fiberglass Cable Trays

Monterra provides a broad range of solutions in the area of cable management, ranging from its standard line to specially designed solutions.

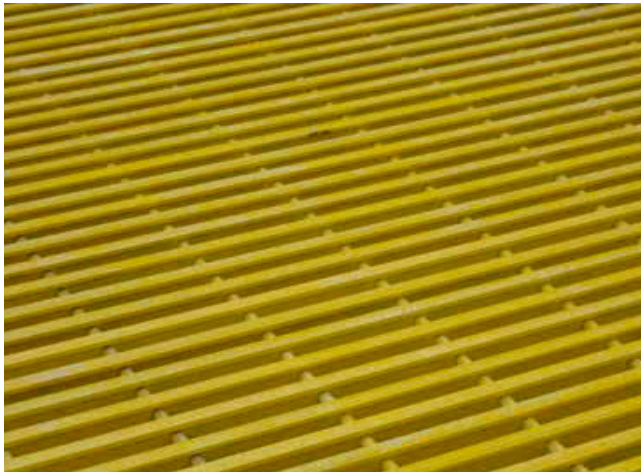
- 1. Ladder Type Cable Tray
 - 2. Perforated Type Cable Tray
 - 3. Accessories for above Cable Trays
- Standard followed : NEMA FG-1



Fiberglass Molded Gratings

Molded gratings are recognized for their tremendous strength, extreme corrosion resistance, extended life, and safety. Our Gratings are intended to outperform the conventional materials it is meant to replace for many years of dependable operation.

Gratings complies with the requirements outline by the FGMC of the ACMA (American Composite Manufacturing Association).



Fiberglass Pultruded Gratings

Pultruded Gratings are renowned for their extreme strength, resistance to corrosion, long lifespan, and safety in even the most hazardous environments. These also follow the strictest international guidelines. They are constructed from interlocking pultruded profiles.

Gratings complies with the requirements outline by the FGMC of the ACMA (American Composite Manufacturing Association).

Fiberglass



Fiberglass Walkway & MMS for Solar

FRP Walkway are the most preferred walkway in Solar Industry due to its light weight nature and high durability in sun exposure. FRP MMS is offered for rough environments where C4/C5 grade of corrosion is there in topography. Hybrid MMS design is also possible.



Fiberglass Structural Profiles

GRP/FRP Structural pultruded profiles is manufactured using a resin matrix combined with a fiber reinforcement. This is continuously produced and cured to provide a material with exceptional strength and resilience. The structural profiles are available in various shapes.

- C/U Channel
- I-Beam
- H-Beam
- Round Tube
- Square Box
- Angle
- Rod
- Hand Rail
- Deck panels



Fiberglass Handrail & Stairway

Monterra provides a variety of handrail & stair solutions that adhere to the strictest safety standards. We offer solutions using grip-enhancing treads, covered treads, ergonomic handrails, etc.

Customised Handrail Solution for Rooftop Solar also available.

Fiberglass



Fiberglass Roofing Sheet

It is preferable over steel in many key industries because it is lightweight, simple to assemble and install, Long life, Corrosion free and is more affordable. Most Importantly temperature inside the shed reduces by 4-7 Deg. C as compared to conventional Roofing material.



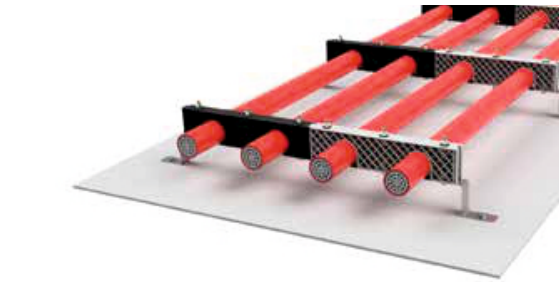
Fiberglass Poles, Signage & Masts

FRP/GRP poles provide a solution to common issues and are suitable for use in environments where poles made of Conventional materials have substantial corrosion issues, such as coastal areas, chemical zones, marshlands, and regions with significant temperature swings.



FRP Canopies

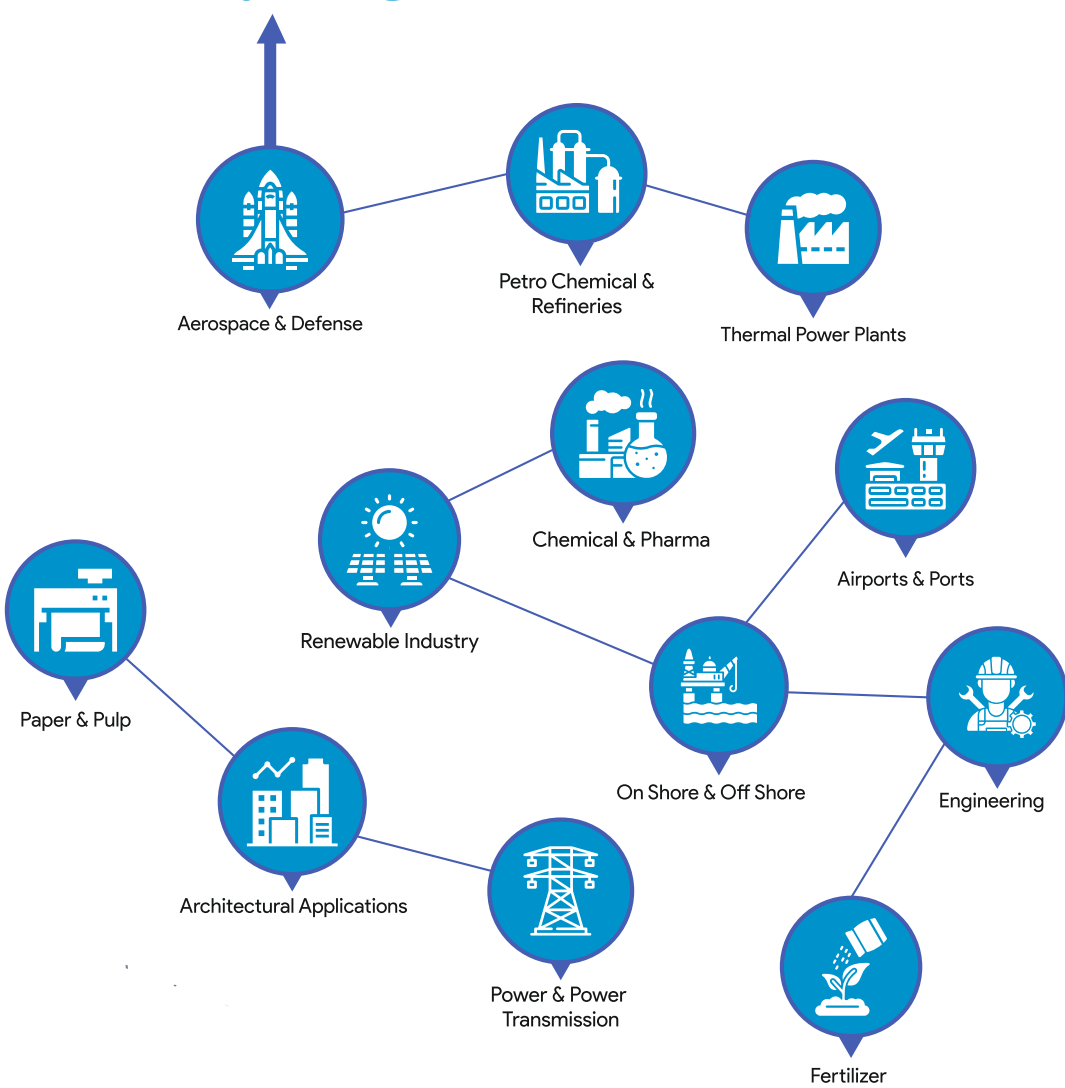
Canopies shield equipment from debris, harsh sunshine, rain, and other elements while also guaranteeing the required safety precautions. For electrical motors, instrumentation devices, junction boxes, field communication devices, etc., We offer customized canopies.



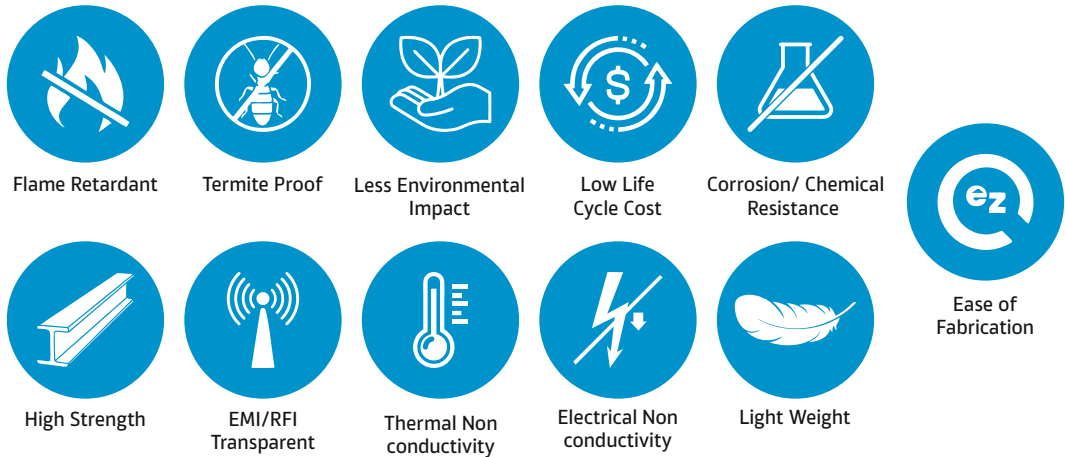
Fiberglass Cable Spacer Clamps

Spacer Clamps are widely used in power transmission, power, Renewable Industries. These Clamps are designed to match customised requirement. These Clamps reduce Eddy Current losses and Heat generation.

Industry Segment



Fiberglass Advantages





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