

## **How a Professional Telescopic Pole Manufacturer develops Fiberglass Al Telescopic Pole EPF-104?**

As a new model of a Telescopic Pole EPF-104 is positioning to a high end product, the Pipe material is Fiberglass and Aluminum. Let me tell you what is the new technology on this model we have created?

1, How we solve quick lock and release function for Fiber-Al telescopic pole?

Extentool absorb the advantage of EPA-104 an Aluminum telescopic pole, we used its flip locking clamp system configuration instead of traditional Out/In-Twist locking. Then we designed this new model of Fiber-Al telescopic pole.

2, How extentool solve a traditional telescopic pole shortage of inner Tube Twisting?

We adopt round tube with single groove shape Aluminum Pipe, one groove can provide strength from twisting, moreover keep pole appearance more integrated and good looking.

3, How we solve operation locking lever comfortable?

We design a new shape of flipping Lever with Ergonomics which will make operation with mild strength but with stronger clamping!

4, How much strength a fiberglass-Aluminum could bear.

As a paint roller handle or cleaning tool handle, it could bear over 30kgf at folded condition, and 10kgf at full extending condition. So it could be used for many painting and cleaning conditions.

5, Critical point determines it's an exact high end product.

We use Al casting Acme Thread with 2 rivets mounting, which can be more firm and wearable than plastic.

6, How extentool solve hard process for Fiber Glass Tube?

Fiberglass material is tough outside but fragile inside of a tube, how we make a rectangle hole in each Tube? A tradition punching process will only make Tube damage or broken at edge of hole. We have made many times of testing and examining, we adopt two process methods.

One is to cut a slot where edge of a rectangle, then punching the other end of rectangle hole.

The other is to drill a round hole where edge of a rectangle, then punching the other end of rectangle hole.

7, Why extentool choose foam for grip?

In order to provide comfortable touch of grip. We use high density EVA foam as the grip, which is more soft than plastic or rubber, moreover it can self rebound after squeeze.

8, Why extentool choose this Green color for fiberglass?

As a major VI color of our Companies, bright green is environmental protection and green makes you feel more vital. You can find a pole very easily when it's in any complex working place or Tool warehouse.

9, What's a core point of choosing fiber glass pole.

As we know Fiberglass pole is a perfect insulated material, there would be no risk though tip/inner tube of pole touching electricity wire when you paint or clean an electric equipment.

As a professional Telescopic Pole manufacturer, it's our obligation to create new good operation and function product for our customer and client. It took at least half a year to analyze market, research, design and develop this NEW model.

Therefore Engineer John strongly recommend it's worthy of you to take this new product into your country and market for your honest users!