



DELI TOOLS

Fiberglass duct rodder



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Duct Rodders are composed of fiber glass rod which was extruded by fiber glass and high strength resin at high temperature. This type of rod has high tensile strength and flexibility. It was covered by a high density polyethylene engineering plastic as its protect layer, which make duct rodder cover sliding on surface, durable, corrosion resistant and has good insulation performance, which make them safe for use in cable occupied duct.

High Density polyethylene (Grade: for the insulating and jacketing of Telecommunication Cables) is used in the outer diameter coating.

Duct Rodders will equipped with different size reel according to the length of rod. There are wheels on the reel, which make it convenient for moving.

Features and Benefits:

- 1-Light weight, durable, resistance to acid, alkali, aging resistant, corrosion resistant.
- 2-High tensile strength and bending properties, which make it to go through narrow pipes easily.
- 3-Good temperature adaptability, the product will not soften in hot weather/nor become brittle in cold weather. Its usability will not be affected by temperature.
- 4-Outer protect layer are made of high density polyethylene engineering plastic, which has good anti-UV capability.

5-Cover was coated with long-term UV-resistant polyethylene.

6-Its surface has the advantage of smooth, wear-resistant and long service life.

7-There are meter marks on the protect layer of duct rodder, which can be used for measuring distance. Mark: are printed by professional printing machine, which has the advantage of strong adhesion, clear writing waterproof, anti-ultraviolet, it can be still clear even after using many times.

8-Standard length is 300m × 11.0mm ± 0.1, and is equipped with frame.

9-There are several kinds of colors for the rod for your chosen.

Technical Data of Duct Rodders

1 - Glass Reinforced Composite core:

General properties

Property	Value
Keinforcement	E-Glass Fiber
Glass Content of Inner Part	75-80%
Material of Pulling Rod	Epoxy fiber glass (inner) High density Polyethylene(outer)
Density	> 1.9 gr/cm ³
Diameter Tolerance	± 0.10mm
Work situation temperature	- 40 °C to +80°C

Mechanical properties

Property	Value
Minimum pulling strength	5300 N ± 5%
Tensile Modulus	> 30000 Mpa
Consistency of rod	150gr/m ± 5%
Flexural Modulus	> 30000 Mpa
Elongation at Break	2.5-3%

2 - Polyethylene cover

Material:

Medium Density Polyethylene Resin for the insulating and jacketing of Telecommunication Cables.

Property	Value
Tensile Strength	> 15N/mm ²
Environmental Stress & crack resistance	>1000 hr.
Heat Stability	OK.
Carbon Black	OK.

Frame specification and feature

- 1- Welded by high-quality steel, sturdy and durable, with good compression resistance capacity and proper structure, is able to keep its shape under the pressure of BKN.
- 2-Smooth and uniform welding, firm solder joints, no incomplete and lack of welding, no welding slag, the whole frame will be polished after welding.
- 3-Equipped with brake device, the rotating or stopping of cable reel can be easily realised just by turning handle.
- 4-Tilting type handle, which is convenient for pushing and pulling. When you need to move the frame, just hold the holder in hand, step on the assistant support bracket which is on the bottom part of the frame, then pull the frame to the direction where your body is, to push the frame. Using the wheels on the bottom of the frame for supporting, to make the moving easily.
- 5-There is a roller and a ring on the top side and bottom side of the frame respectively, both of them are used for the convenience of duct rodder going through, and protect the protect cover from being scratched.
- 6-Frame wheels are steel wheels, which were covered with high-quality rubber, it has the advantage of free from air charging, wearable, non-slip,etc.. Wheels have bearings on them to ensure them turn properly.
- 7-The surface cover of frame is high-temperature sprayed plastic, using outdoor spray material, which has the advantage of touch smooth, non-fading, non-shedding, and good corrosion resistance performance.
- 8-There is rain-proof cover on the outside of the frame, which is for the convenience of duct rodder storage. It is water-resistant, anti-ultraviolet radiation, and can play a good protective role on duct rodders.



Frame is welded by steel pipe.

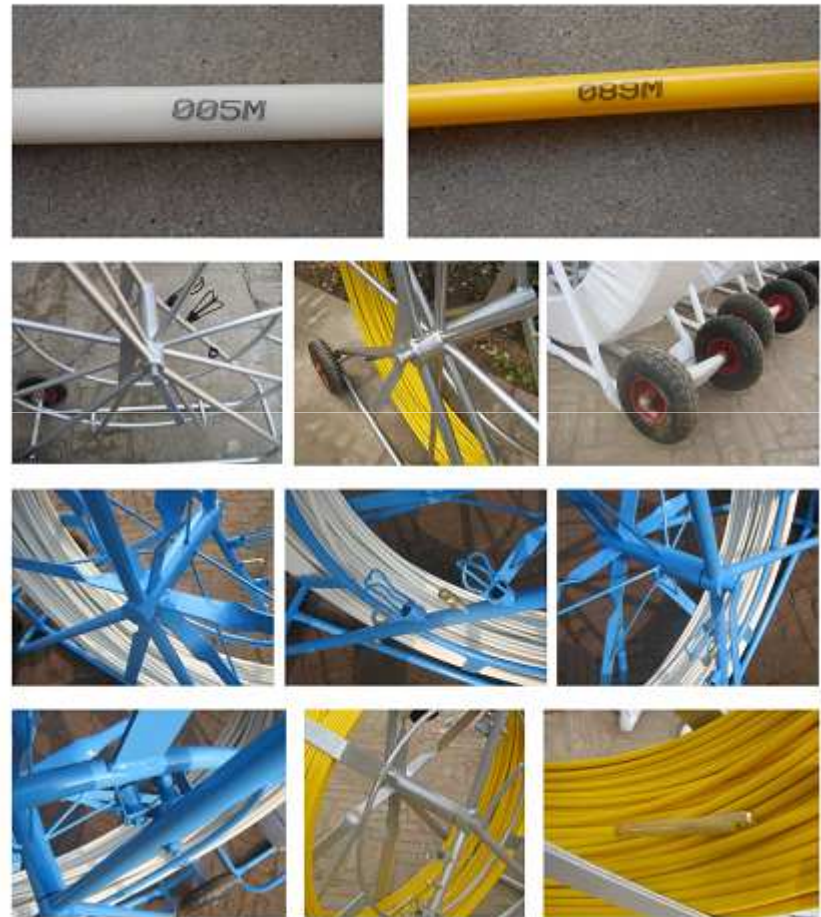
Model	Length	Width	Height
KJ1550G	1300	390	1550
KJ1350G	1100	370	1350
KJ1050G	900	350	1050
KJ680G	570	180	850
KJ520G	450	100	520

Frame (welded by band steel)

Model	Length	Width	Height
KJ1550B	1500	450	1550
KJ1350B	1300	430	1350
KJ1050B	1000	410	1050
KJ520B	450	100	520



Products' details display



Duct rodder accessories



Drawing head



Guiding head



Guiding head with spring



Flexible connector

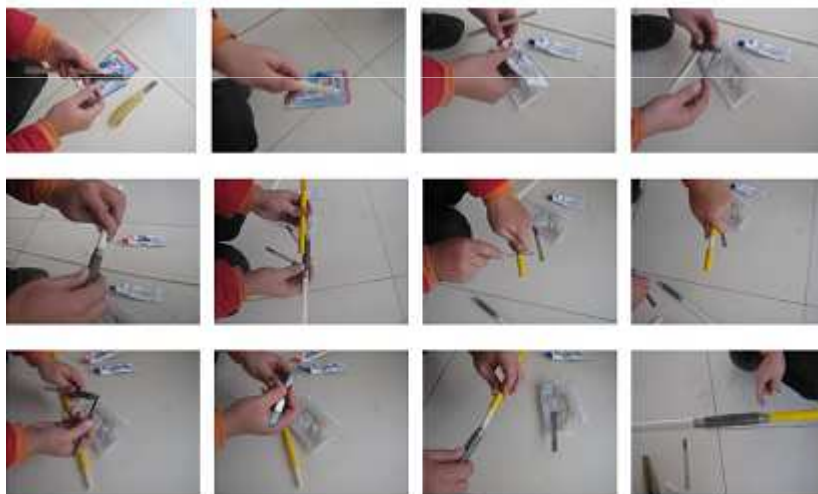


connector



cable grabbing device
Unattached type drawing device

Maintenance sketch map



Products' specification sheet

We can produce according to customer's special requirements.

Model	Diameter of duct rodder	Length	
DLCK4550	φ 4.5mm	50m	
DLCK45100		100m	
DLCK8100	φ 8mm	100m	
DLCK8150		150m	
DLCK8100	φ 8mm	100m	
DLCK8150		150m	
DLCK10100	φ 10mm	100m	
DLCK10150		150m	
DLCK10200		200m	
DLCK10250		250m	
DLCK11100	φ 11mm	100m	
DLCK11150		150m	
DLCK11200		200m	
DLCK11250		250m	
DLCK11300		300m	
DLCK12150	φ 12mm	150m	
DLCK12200		200m	
DLCK12250		250m	
DLCK12300		300m	
DLCK12350	φ 12mm	350m	
DLCK13200		φ 13mm	200m
DLCK13250			250m
DLCK13300	300m		
DLCK13350	φ 13mm	350m	
DLCK14200		φ 14mm	200m
DLCK14250			250m
DLCK14300			300m
DLCK14350	350m		
DLCK14450	φ 14mm	450m	