

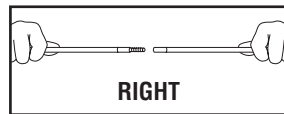
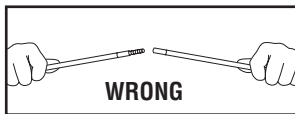


## IDEAL Tuff-Rod™ Fishing Poles Operations Manual

	<p style="text-align: center;"><b>! WARNING</b></p> <p><b>Electrical shock and eye injury hazard.</b> <i>Contact with live voltage may cause injury or death. Do not use near live voltage. Wear eye protection to avoid eye injury. Read and understand manual before using product.</i></p>	 
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### **! CAUTION**

- Fiberglass is flexible but can break or shatter if handled improperly. Always use approved safety glasses and wear gloves when using this product.
- The rod connections and tips are metal and can conduct electricity. Do not use on energized circuits; make sure all power is off.
- Use this product in a safe work position to keep your balance; use extra caution when standing on ladders or lifts.
- Never jerk, yank, or pull rod strongly when it is in a 90 degree flexed position or it may break.
- Do not allow children to play with this product.
- Do not use pliers or other sharp tools to pull or handle Tuff-Rod™ Fishing Poles. Nicks may cause the poles to prematurely break. Use only your hands or a puller designed especially for this purpose, such as the IDEAL S-Class™ Fish Tape Puller, part # 31-170.
- If a rod breaks, either throw it away or cut away the damaged section and replace the connections with the appropriate repair kit.
- Tuff-Rod™ sections screw together. Support the poles and keep them level while threading multiple rods together for easier connections. Tighten them securely; ends not tightened will allow some play at the joints causing stress on the threaded shaft and may cause it to break.



- Proper care of Tuff-Rod™ fishing poles includes cleaning thoroughly and lightly oiling the threaded connections after each use and storing them in a dry, dirt free area. The plastic tube your kit came in is good for continued storage. Be sure the rod is dry prior to storing in an enclosed container.

Tuff-Rod™ Regular Flex Fishing Poles are 1/4" diameter non-conductive white fiberglass. Their extra stiffness makes it easier to span longer distances, and gives you greater control when grabbing or pulling wires across suspended ceilings.

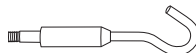
Tuff-Rod™ Extra Flex *Glow* Fishing Poles are 3/16" diameter and have all the advantages of Tuff-Rod™ Extra Flex Fishing Poles listed above, plus they are made from pale green luminescent fiberglass. Storage in normal ambient light keeps them charged for everyday use. They emit a soft glow in the dark, providing greater visibility when working in attics or other sites where lighting may be limited.

Available ends include:

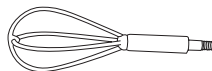
**Bullet Nose**



**J Hook**

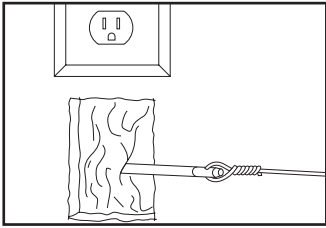


**Wisk**

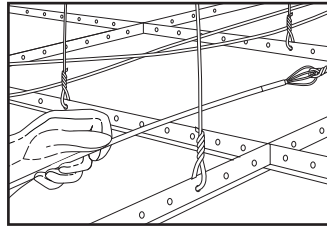


## Applications

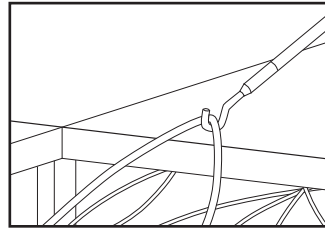
In walls, over suspended ceilings, in cable trays, or through studs Tuff-Rod™ Fishing Poles help you maneuver wires.



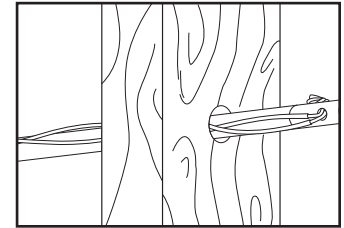
**Pull through wall outlet with insulation**



**Over suspended ceiling**



**Raised floor wiring**



**Push wire through stud**

## Tuff-Rod™ Fishing Pole Product List

Part #	Product Name	Product Description
<b>31-611</b>	Tuff-Rod Regular Flex Kit - 12ft	12 ft total, three 4 ft rods, 1/4" diameter white fiberglass, with one threaded J hook end
<b>31-612</b>	Tuff-Rod Regular Flex Kit - 24ft	24 ft total, four 6 ft rods, 1/4" diameter white fiberglass, with one threaded bullet nose end
<b>31-631</b>	Tuff-Rod Extra Flex <b>Glow</b> Kit - 12ft	12 ft total, three 4 ft rods, 3/16" diameter luminescent fiberglass, with one threaded J hook end
<b>31-633</b>	Tuff-Rod Extra Flex <b>Glow</b> Kit - 30ft	30 ft total, five 6 ft rods, 3/16" diameter luminescent fiberglass, with one threaded bullet nose end
<b>31-651</b>	Tuff-Rod Tip Accessory Kit 3/16"	For 3/16" Tuff-Rods, includes threaded bullet nose, J Hook, and Wisk
<b>31-652</b>	Tuff-Rod Tip Accessory Kit 1/4"	For 1/4" Tuff-Rods Regular Flex; includes threaded bullet nose, J Hook, and Wisk
<b>31-653</b>	Tuff-Rod Extra Flex <b>Glow</b> Kit - 15ft	15 ft total, 3/16" diameter luminescent fiberglass, with one fixed bullet nose & threaded J hook end
<b>31-654</b>	Tuff-Rod Extra Flex <b>Glow</b> Kit - 8ft	8 ft total, 3/16" diameter luminescent fiberglass, with one fixed bullet nose & threaded J hook end

Contact your local retailer or distributor for the full line of Tuff-Rod™ Fishing Poles as well as other fine products from IDEAL INDUSTRIES, INC. Visit us on the web at [www.idealindustries.com](http://www.idealindustries.com)

## Warranty

See Website or call Customer Assistance for warranty details.

## IDEAL INDUSTRIES, INC.

Sycamore, IL 60178 USA  
800-435-0705 Customer Assistance  
[www.idealind.com](http://www.idealind.com)

**ND 3989-3**