

PROFESSIONALLY ENGINEERED TO CLEAN 3" TO 10" DIAMETER PIPELINES



Rodding/Accessories

E L E C T R I C E E L

MODEL D-5

WHEN IT COMES TO

CONTINUOUS CABLE

DRUM MACHINES

THIS DRUM

CAN'T BE BEAT

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Electric Eel[®]
DRAIN CLEANING TOOLS FOR PROFESSIONALS

E L E C T R I C E E L

MODEL D-5

THE TOUGH

HEAVY-WEIGHT

CLEANING TOOL

FOR HEAVY-DUTY

CLEANING JOBS



The industry's broadest assortment of tools gives you exactly what you need for every kind of cleaning job.

Model D-5 Standard Kit (D5K-3/4IC100) includes:

- D-5 power unit with power cable feed
- Two (2) 3/4" x 50 Ft. Tri-Max cables
- Set of seven (7) cleaning tools
- 10 Ft. anchor cable, 2 Ft. flex leader
- Pair of staple palm leather gloves
- Tool box

1. Loading wheel built-in to handle.
2. Heavy-duty, 1/2 H.P. capacitor-type motor produces more torque.
3. Extra strength heavy-duty ball bearings, support for drum and thick wall guide tube for extended wear.
4. Continuous belt skids for easy stair climbing.
5. Wheel brake.
6. Large 10" solid wheels for easy maneuvering and stabilization of unit while in operation.
7. Built-in GFCI (Ground Fault Circuit Interrupter) on 20 Ft. line cord to protect operator from electrical shock.
8. Three sealed heavy-duty ball bearings, support for drum and thick wall guide tube for extended wear.
9. Air operated foot switch and cord assembly for easy operation.
10. Snap-Lock tool connector.
11. Quick remove continuous cable feeder and drum.
12. High density polyethylene drum and belt guard will not rust or dent. Drum holds 100 feet of 3/4" cable.
13. 5 position height adjustment on handle.



The strongest cable on the market is the stress-relieved Tri-Max three element cable. It contains an inner-core cable made from right-hand wound galvanized aircraft wire, a protective plastic sheath that guards against rust and corrosion and a tough, long-lasting outer layer of left-hand wound wire offering the same quality and tensile strength as music wire.





Manhole Tools

Rodding/Accessories

Developed for 1" or 2" (2.5 or 5 cm) conduit and up to 400 feet (122 m). The Mini rodder combines lightweight and portability along with high rod strength. Pulling strength is rated at 2200 lbs (998 kg) while 12" to 18" (30 to 45 cm) radius bends are easily negotiated. Especially effective for placement of wire or cable in interior building conduit. This counter wound rod from Germany is capable of tight bend radii without breaking. See story on pg. 24*

Complete unit includes: 1/4" (.63 cm) diameter rod from 100' to 400' (30.5 m to 122m) lengths, Vertical stand and spool with spool brakes to avoid "spring out" effect, and threaded end fittings to accept all accessories.

Model #	Length	Weight
46100	100 ft (30.5 m)	16 lb. (7.3 kg)
46200	200 ft (61 m)	19 lb. (8.6 kg)
46300	300 ft (91.5 m)	22 lb. (10 kg)
46400	400 ft (122 m)	25 lb. (11.3 kg)

Mini Rodder



Developed for 2" or 3" (5 or 7.6 cm) conduit and up to 1000 feet (305 m). The Midi rodder combines mid range lengths with high flexibility. Pulling strength is rated at 2800 lbs (1270 kg) while 18" to 24" (45 to 61 cm) radius bends are easily negotiated. Especially effective in pulling electric cable, winch rope, and midrange lengths of telecommunications cabling. This is an imported rod from Germany and is capable of tight bend radii without breaking. See story on pg. 24*

Complete Unit Includes: 3/8" (.95 mm) diameter rod from 200' to 1000' (61m to 305m), Vertical/Horizontal stand & spool with wheeled frame & spool brakes to avoid "spring out" effect, threaded end fittings to accept all accessories, units come marked in feet (add an additional "M" to part number for marking in meters).

Model #	Length	Weight
48200M	200 ft (60 m)	70 lb. (31.7 kg)
48400M	400 ft (120 m)	85 lb. (38.6 kg)
48600M	600 ft (183 m)	100 lb. (45.3 kg)
48800M	800 ft (244 m)	120 lb. (54.4 kg)
481000M	1000 ft (305 m)	135 lb. (61.2 kg)

Midi Rodder



Developed for 3" (7.6 cm) or larger conduit and up to 1200 feet (366 m). The Maxi rodder combines long range lengths with high superior strength. Pulling strength is rated at 3300 lbs (1496 kg) while 24" to 30" (61 cm to 76 cm) radius bends are easily negotiated. Especially effective in pulling heavy electrical and telecommunications cable in long runs. This is a domestic rod not containing the same fiber ratio as other sizes.

Complete Unit Includes: 7/16" (1.1 cm) diameter rod from 400' to 1200' (120 m to 365 m), Vertical/Horizontal stand & spool with wheeled frame & spool brakes to avoid "spring out" effect, threaded end fittings to accept all accessories, units come marked in feet (add an additional "M" to part number for meters).

Model #	Length	Weight
49400M	400 ft (122 m)	102 lb. (46.2 kg)
49600M	600 ft (183 m)	120 lb. (54.4 kg)
49800M	800 ft (244 m)	138 lb. (62.6 kg)
491000M	1000 ft (305 m)	157 lb. (71.2 kg)
491200M	1200 ft (366 m)	170 lb. (77.1 kg)

Maxi Rodder



Manhole Tool Accessories

DUCT RODDER ACCESSORIES

Rodding/Accessories

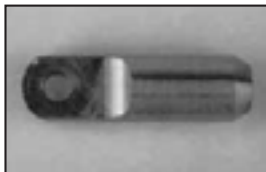


End Repair Kit
Designed to repair damage at the end of the rod.

Includes: instructions, adhesive, sand paper, and both the swivel as well as the solid rod end.

In-Line Repair Kit
Designed to repair damage in-line on the rod.

Includes: instructions, adhesive, sand paper, and both the swivel as well as the solid rod end.



Shackle
Combines with pulling eye, for use when the winch line has a closed loop eye. Also used to connect to another rod with a shackle.

Pulling Eye
Eye is used to tie off winch line, mule tape, or electrical conductors. Also utilized when shackle is required.

Roller Guide
Prevents end hang ups. Guides the rod over bumps, offsets, and around corners.



End-Fitting Swivel
Utilized on leading end of the rod, the swivel end fitting allows line veing pulled in, to twist and unwind.

End-Fitting Solid
Utilized on rod attached to spool. Provides greater side loading capacity when rod is being reeled off.

Union Coupling
For joining two rodding unit together outside the duct. Requires each rodder to be equipped with a swivel.

Basket Combination
For joining two rods together inside the duct. Minimum duct diameter requirement 4in.

Ordering Information	Mini	Midi	Maxi
End Repair Kit	46001	48001	49001
In-Line Repair Kit	46002	48002	49002
Pulling Eye	46003	49003	49003
End Fitting Swivel	46004	48004	49004
End Fitting Solid	46004A	48004A	49004A
Union Coupling	46005	49005	49005
Roller Guide	46006	49006	49006
Shackle	46007	49007	49007
Basket Combination	N/A	N/A	49008

THE FIBER GLASS ROD INNOVATION

***The unique fiberglass profile** - The glass fiber rod is the basic element of our *Mini & Midi* fiber optic cable pulling systems. The excellent quality and versatility of this stems from its unique technological design. The combination of extreme flexibility and high shear strength makes the fibreglass rod like a flexible pole. Its particular production technology and special construction make possible the combination of these two basically contrary features which are essential for this application. The higher the fiberglass content of the rod, the higher is its stability under shear stress. Our *Mini & Midi* fiberglass rods therefore contain a particularly large proportion of high quality glass fiber, at 80 %. All fibers are embedded together in elastic polyester resin and cross wrapped to form a compact bound core. This forms a wavy, highly resinous outer layer, which takes up the surface tension produced when the rod is bent. This makes a very small radius of curvature possible so that tight bends are easily passed through. The adhesion of the coating layer and the attached rod end is optimized by the waviness of the surface. The smooth plastic outer coating made of polypropylene slides easily and therefore reduces the friction resistance to a minimum. It is also highly heat resistant and resilient. The high elasticity of our *Mini & Midi* fiberglass rods makes it possible to construct unbeatably small, compact and handy products.



Counter winding