

Battery Powered **DUCT ROD PUSHER**

P/N 77000



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PART OF THE GMP
 **Powered**
LINE OF PRODUCTS

Rel.No	Date	Details	Author
01	07/24	Original issue	A Konschak
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1.0 General Information

The GMP battery powered duct rod pusher is designed to lower the effort and the number of people needed when rodding empty or occupied ducts. It uses a rechargeable lithium 20/60 volt DEWALT FLEXVOLT® Battery. The GMP powered duct rod pusher comes complete with a battery and controller. The maximum speed is 125 ft/min (38 M/min). Maximum pushing force is 180 lbs (800N)*

** Max force dependent on rod traction etc.*

Important Precautions

Read and understand all safety instructions, warnings and procedures prior to using the GMP Battery Powered Duct Rod Pusher.

2.0 General Safety Precautions

1. Maintain complete coordination with other members of the crew, giving them clear instructions by hand signal or reliable radio communication.
2. Do not stand where there is the danger of being struck by the rod exiting the duct.
3. Do not wear loose fitting clothing that may become entangled with the drive wheels and cause possible serious injury.
4. Keep hands safely away from rodder to prevent from getting caught or pinched.

3.0 Technical Specifications

Duct Rod Size: 3/16—7/8 inch (4.8—22mm)

Max Pushing Force: 180 lbs. (800 N)

Max Pushing Speed: 125 feet/minute (38m/min)

Battery Type: 20V/60V DEWALT FLEXVOLT®

4.0 Components Included with the eRodder

- eRodder
- Duct Size Collets Your choice*
- 20V/60V DEWALT FLEXVOLT® Battery
- DEWALT® Charger
- Manual
- Trigger control (foot pedal optional)

**Available Duct Clamp Sizes: 3/4-2" SDR (19-63mm) O.D.*

5.0 Optional Accessories & Replacements

Optional Accessories

Remote foot control	P/N 71800
Innerduct Clamp Bracket	P/N 32221
Sub Duct Clamp Assembly	P/N 34639

Duct Clamps (OD Controlled)

Duct Clamp .75"	P/N 89033
Duct Clamp 1"	P/N 89021
Duct Clamp 1.25"	P/N 89041
Duct Clamp 1.50"	P/N 89061
Duct Clamp 2"	P/N 89071

Replacements

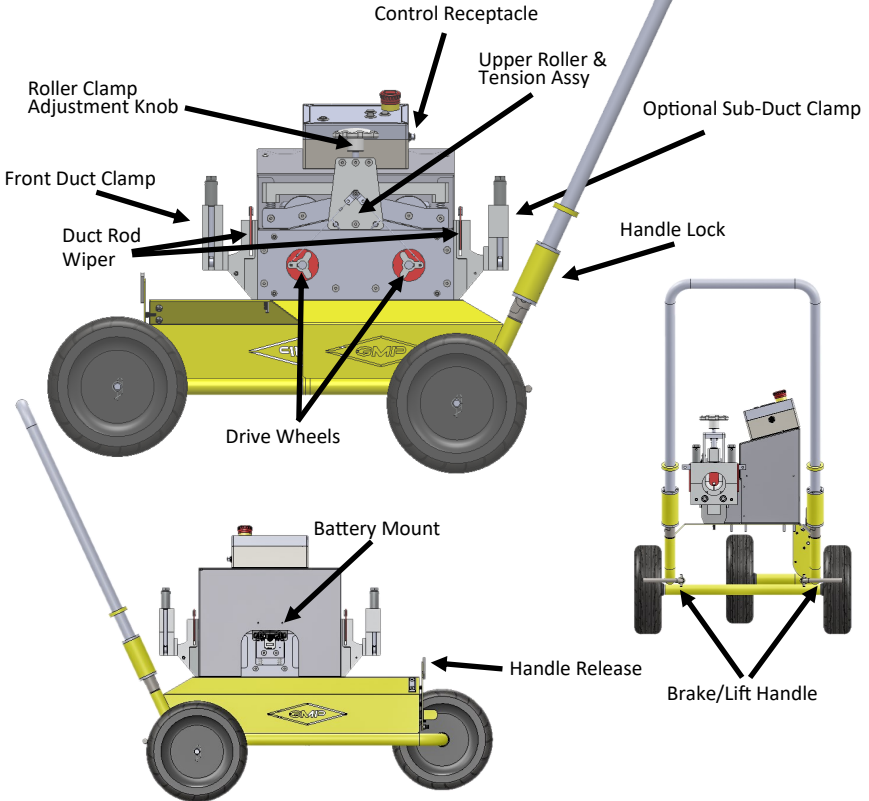
Drive Wheels (sold as each) 2 required	P/N 38133
Trigger Control	P/N 71493
Duct Rod Wiper Assembly	P/N 38154

6.0 Overall Dimensions

Height:	44 in. (1118mm)
Height Folded:	30 in. (762mm)
Length:	52 in. (1321mm)
Length Folded:	38 in. (965mm)
Width:	26 in. (660mm)
Weight:	80 lbs. (36kg) Approx.



Remote foot control



7.0 Key Features

- 3/16 - 7/8 inch (4.8 - 22mm) Rod Capacity
- Powered by DEWALT FLEXVOLT® Batteries
- QUIET- Improves jobsite communication and safety
- NO engine, NO emissions
- Variable speed
- 1 Man Operation
- Rod distance counter
- Duct clamps for rigid connection
- Rear wheel brakes
- Foldable handle
- Airless offroad tires
- Duct rod wiping system

8.0 Setup of Duct Rod Pusher

1. Position the Duct Rod Pusher between your duct rodder and the duct you are rodding.
2. Lock the wheels
3. Plug the controller in the side of unit.



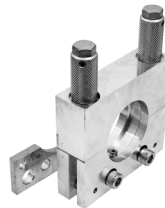
Pull out the brakes and rotate

eRodder Battery Powered Duct Rod Pusher Operation

- Attach a short length of duct (4—8 ft.) between the working duct and the eRodder. A length of duct is not normally needed between the the duct rod and the eRodder unless there is a large separation between the two. P/N 32221 (purchased separately) will be needed to attach the duct to the rodder frame. See alt setup diagram.



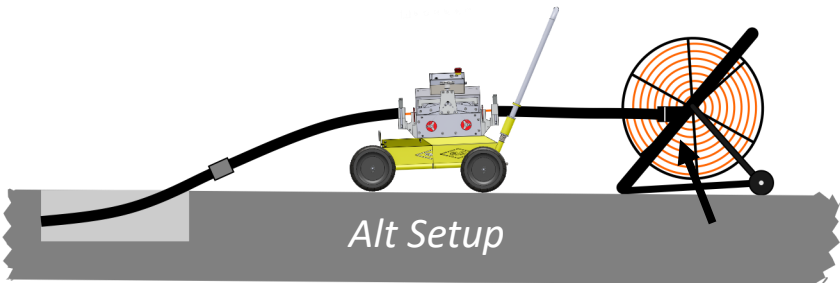
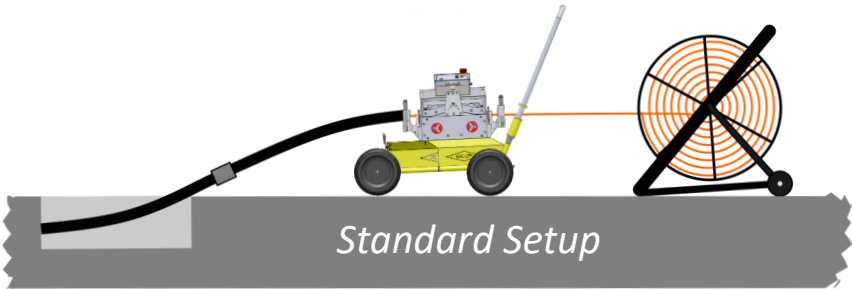
P/N 32221 Innerduct Clamp Bracket and P/N 34639 Sub Duct Clamp (Sold Separately)
Used to attach a length of duct between the eRodder and the duct rodder frame.



34639



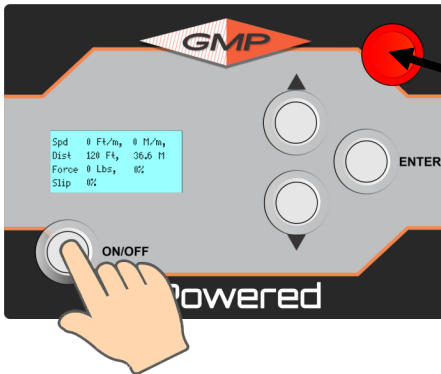
32221



5. Install the battery



6. Turn the unit on

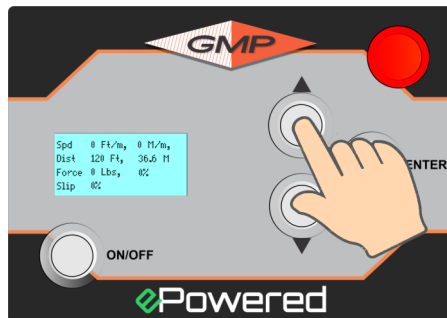


Ensure E-Stop is in the UP position.

7. Zero the length counter

Simultaneously hold the up and down buttons until distance is reset to Zero.

Note: Distance is saved between power cycles, even with the battery removed.

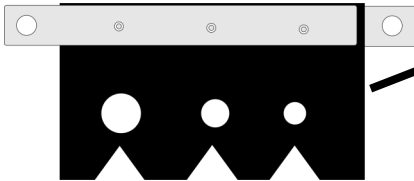
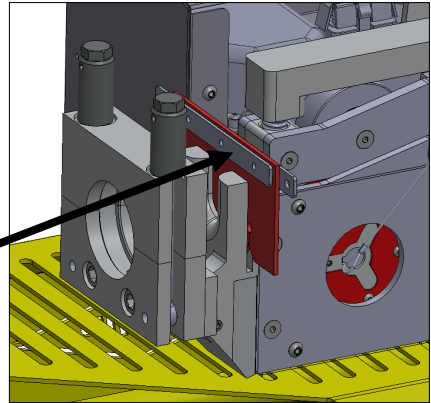
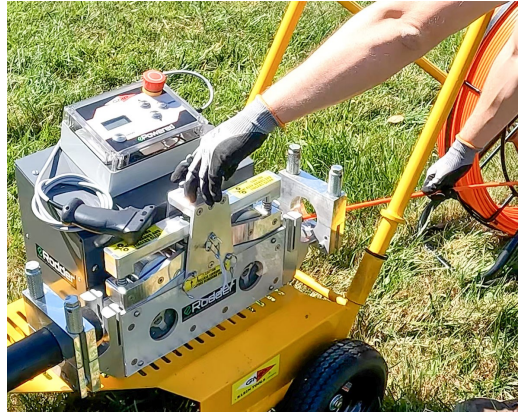


eRodder Battery Powered Duct Rod Pusher Operation

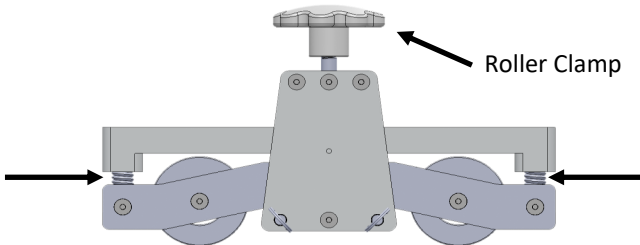
- Loosen the roller clamp adjustment knob and the brake on the duct rodder.

Feed the rod through the pusher and into the duct.

Insert the debris wiper on the side of the machine that the **rod is entering**. This prevents large debris that's collected on the rod from contaminating the friction surface of the drive rollers. If the rod is wet, it's good practice to wipe the excess water off the rod with a rag in order to increase drive friction.



Debris Wiper Sized for 1/4, 3/8 and 1/2" Rod



- Turn the roller clamp adjustment knob clockwise until the springs are compressed about half way for an initial adjustment. If the rod is slipping, increase at half turn increments until the slipping stops. Observe screen for slip percentage value to aid in tensioning.

eRodder Battery Powered Duct Rod Pusher Operation

10. Depress the variable speed trigger on the hand control to start pushing the rod into the duct. To reverse the direction, and retract the rod, push the forward/reverse control button on the trigger control and depress the trigger.



11. Please take note of the information on the screen (shown below). Slip is displayed on the screen by noting Slip indicator. 0% indicates no slippage, while 100% indicates the rod pusher is not pushing at all. This can be caused by the rod being wet or contaminated with mud. This can also be caused by the rod hitting an obstruction.

The distance shown is accurate unless there is slippage between the rod and the counter wheel.

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Spd    110 Ft/'m, 33.5 M/'m,  
Dist   220 Ft,   67 M  
  
Slip   100%
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9.0 Charging and Care of Battery

Please refer to the included documentation on care and storage of your 20V/60V DEWALT FLEXVOLT[®] battery.

10.0 Maintenance Considerations & Storage

Store the eRodder above 40°F (5°C) in a protected dry space such as a garage or shed away from extreme temperature variations. Disconnect battery before making any repairs or long term storage. Keep all nuts, bolts and screws tight, to ensure the machine is in safe working condition.



GMP Duct Rodders

P/N	P/N	Duct Rodder Sizes	P/N	P/N	Duct Rodder Sizes
Std. Rod	Tonable		Std. Rod	Tonable	
89202	N/A	1/4" (6.7mm) X 100 ft (30m)	89244	N/A	3/8" (9mm) X 1400 ft (427m)
89204	N/A	1/4" (6.7mm) X 200 ft (61m)	89245	N/A	3/8" (9mm) X 1500 ft (457m)
89206	N/A	1/4" (6.7mm) X 300 ft (91m)	89246	N/A	3/8" (9mm) X 1600 ft (488m)
89208	N/A	1/4" (6.7mm) X 400 ft (122m)	89247	N/A	3/8" (9mm) X 1700 ft (518m)
89210	N/A	1/4" (6.7mm) X 500 ft (152m)	89248	N/A	3/8" (9mm) X 1800 ft (549m)
89222	88222	3/8" (9mm) X 200 ft (61m)	89249	N/A	3/8" (9mm) X 2000 ft (610m)
89224	88224	3/8" (9mm) X 300 ft (91m)	89252	88252	1/2" (12mm) X 200 ft (61m)
89226	88226	3/8" (9mm) X 400 ft (122m)	89254	88254	1/2" (12mm) X 300 ft (91m)
89228	88228	3/8" (9mm) X 500 ft (152m)	89256	88256	1/2" (12mm) X 400 ft (122m)
89230	88230	3/8" (9mm) X 600 ft (183m)	89258	88258	1/2" (12mm) X 500 ft (152m)
89232	88232	3/8" (9mm) X 700 ft (213m)	89260	88260	1/2" (12mm) X 600 ft (183m)
89234	88234	3/8" (9mm) X 800 ft (244m)	89262	88262	1/2" (12mm) X 700 ft (213m)
89236	88236	3/8" (9mm) X 900 ft (274m)	89264	88264	1/2" (12mm) X 800 ft (244m)
89238	88238	3/8" (9mm) X 1000 ft (305m)	89266	88266	1/2" (12mm) X 900 ft (274m)
89240	N/A	3/8" (9mm) X 1100 ft (335m)	89268	88268	1/2" (12mm) X 1000 ft (305m)
89242	N/A	3/8" (9mm) X 1200 ft (366m)	89270	88270	1/2" (12mm) X 1100 ft (335m)
89243	N/A	3/8" (9mm) X 1300 ft (396m)	89272	88272	1/2" (12mm) X 1200 ft (366m)

