

BEST IN CLASS

- Patented design capable of:
- 400,000 in lbs. of pulling force
 - 16,000 lbs. of lift capacity
 - Lateral control of reel arms

- Freewheel mode for underground & overhead applications.



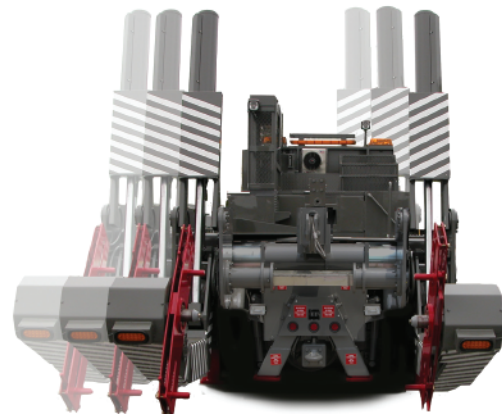
Dejana's Hub Drive Cable Puller offers a wide range of unique features for the removal of underground wire and cable in the utility industry. Developed in close cooperation with public utility companies, these units offer a variety of patented design features to increase capacity, provide trouble-free performance, and improve service life.

The patented reel drive system is unique in that it is all hydraulic with a direct drive crankshaft powered by two hydraulic cylinders on each arm. The hydraulic lifting cylinders are directly connected to the arms without any linkage providing less parts, and longer service life. Each arm can deliver 200,000 in lbs. of torque each (or a combined 400,000 in. lbs. of force), which means that using a 84" diameter reel, the drive system can pull up to 33,000 ft. pounds of torque.

In addition, the reel drive, when fully extended and under full power, can be moved laterally as much as 34" in either direction (i). This feature gives the operator much greater flexibility when positioning the truck on the job site by allowing him to avoid obstacles with the reel unit. It also facilitates even spooling and provides off-set or side-pull capability when installing and removing cable.

The winch is designed with an over-wound winch cable that is free from any obstacles on the deck for better operator visibility. Incorporated with the winch is a unique winch line pulling sheave that can be hydraulically adjusted and features a built-in slack tension rollers to take up cable slack for operator safety. The reel and winch systems are designed with a proportional controlled modular hydraulic system that incorporates a variable flow, pressure compensated pump with a low volume hydraulic system that requires only 30 gallons of hydraulic fluid.

Overall, the truck is designed for heavy-duty operation with a low deck height that is clear of obstacles, convenient compartments with large storage capacity and complete safety features.



(i) Hub Drive can be positioned 34" L or R

Feature & Specifications

Chassis

- 60,000 lbs. GVWR
- 14,600 lbs. front axle capacity
- 46,000 lbs. capacity rear axle, single speed, full floating
- 224" wheelbase
- 156" CT
- 120,000-PSI inverted "L" frame reinforcement
- Diesel engine, 250 HP, 800 lb/ft minimum
- Allison automatic transmission, overdrive 6-speed
- Engine-driven, water cooled, air compressor

Body Specifications

- Heavy-duty steel platform body, all welded construction
- Outside body dimensions: 95" W x 225" L
- Long sill construction: 6" x 3" x 1/2" structural rectangular steel tubing
- Cross sill construction: 6" structural steel on 12" centers
- Body floor construction: 1/8" thick removable steel thread plate panels
- Deck height: 58"

Hub Drive

- Lift arm capacity: 16,000 lbs. min. (32,000 lbs. on the deck)
- Reel size capacity (diameter): 5' to 9'
- Reel size capacity (width): 40" to 72"
- Reel rotational power: 400,000 inch-lbs. @ 10 RPM min
- Hydraulic reel drivers
- Hydraulically powered traversing lift arms, operated independently with a lateral travel of 26" radial swing 160° from 30" from ground to 30" above the deck
- Lift arm cylinders are directly attached to the lift arms and mounted above the deck for easy repair & maintenance, and to protect from road debris

Remote Control

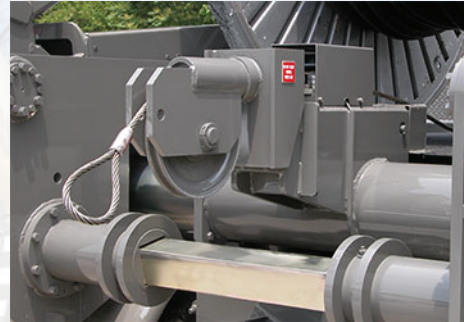
- 2 radio remote controls provided with each vehicle.
- Functions: Lift arm (load/unload), motor spin (CW/CCW), Reel (L&R), Winch (PAY IN/ PAY OUT), Kill switch.
- Cab mounted battery charger included.
- Optional tethered remote.



(iii)

Winch (ii)

- Bare drum rated capacity: 50,000 lbs
- 875' of 9/16" Dyform 6 wire rope
- (Winch option of up to 2800' of 9/16" wire rope.)
- Location: Bed mounted at front center of body at the bulkhead
- Slim design center, rear mounted swivel sheave, hydraulically extendable to 8" and reinforced to the sub structure of the truck body
- Sheave capacity: 30,000 lbs. min



(ii)

Electrical

- Chassis, body lights & reflectors to meet or exceed all applicable FMVSS108, State, OSHA & local regulations.
- LED chassis and platform lighting.

Hydraulic Specifications

- Full Function can bus CAN bus panel & wiring
- Direct mounted load sense, pressure compensating piston pump rated at 40 GPM at 1300 engine RPM
- Hot shift 890 series with ratio of 129% of engine speed
- 30 gallon hydraulic reservoir/cooler assembly rated for 40 GPM
- Low oil, high temperature and filter change indicator lights and alarms
- Hydraulic valves are of modular design

Optional Freewheel Mode (iii)

Reel can be used for pulling and placing of cable for underground and overhead applications

- Reel will lock in pulling mode and can be pulled off in freewheel mode
- Immediate STOP and HOLD feature to hydraulically hold drive motors and prevent cable from going slack
- Free spool feature so reel can pay-off for aerial stringing with operator adjustable control

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