



## Adams® Model CD3 Continuous Duty Winch

The best cable pulling winch your money can buy for long continuous pulls. Comes in a new reduced size package incorporating the best features of the Adams CD Winches you've used for years and loaded with new performance features and value.

- ▶ Specifically designed for the placement or removal of communication cable or electrical conductors, in both aerial or underground applications
- ▶ The Adams CD3 Winch is rated for continuous duty in compliance with SAE J706, and has a bare drum pulling capacity of 24,000 lbs. (106.8 kN)
- ▶ Helical gears drive the winch for high efficiency and durable performance
- ▶ Installation was simplified to give this winch the lowest installed cost compared to any other continuous duty winch in its class
- ▶ The compact design, 51-55/64 in. wide, allows easy mounting between the cabinetry of your line trucks
- ▶ For ease of installation, we supply SAE rated bolt-on mounting brackets. For ease of removal for service or remounting in a new chassis, welding has been eliminated.
- ▶ Hydraulically driven, our Three Speed Transmission provides true "shift-on-the-fly", using the two spool valves supplied



- ▶ Full Load Brake, is a spring applied, hydraulically released. Designed to hold the rated load up to 24,000 lbs. on a bare drum. The brake is non-directional, meaning you can pull-in or power-out when required without overheating.
- ▶ Level-wind mechanism for 7/16 in., 1/2 in. or 9/16 in. wire rope (specify exact o.d.), which distributes the wire rope onto the drum in tight, even lays. The Level-wind can be supplied in overwind or underwind configuration at no additional charge. The unit is easily converted in the field.
- ▶ Air-Shift-Clutch makes free spool operation simple. Push a button to engage or disengage the drum clutch and pull off the wire rope.
- ▶ Free-Spool caliper drag brake with remote actuator is supplied to control over spooling
- ▶ A Drum Guard has been incorporated in the new design to control the cable if the drum is over spooled
- ▶ Drum Shaft Extension is supplied with each winch, custom made to match the body width of the truck. The maximum allowable pull when using the drum shaft extension is 1,500 lbs. (6.7 kN) using a standard 7 in. (18 cm) diameter capstan.

**Maximum Rated Line Pull & Line Speeds Hydraulic Tri-Drive Three Speed Transmission**

Control Valve Position	Max. Rated Line Pull Force	
	Bare Drum	Full Drum
	lbs. (kN)	lbs. (kN)
High	7100 (31.6)	3800 (16.9)
Intermediate	13500 (60.1)	7300 (32.5)
Low	24000 (106.8)	13000 (57.8)

Control Valve Position	Winch Line Speed ft/min.(m/min.)	
	Bare Drum	Full Drum
High	113 (34.4)	210 (64.0)
Intermediate	72 (21.9)	134 (40.8)
Low	45 (13.7)	84 (25.6)

Hydraulic system flow 30 GPM (114 l/min.) maximum; Hydraulic system pressure 2,400 psi (16548 kPa) operating with 2,500 psi (17328 kPa) maximum relief valve setting.

- ▶ Winch line speed is based on 9/16 in. (14.3 mm) diameter wire rope
- ▶ The line pull ratings shown are for the winch only. Consult the wire rope manufacturer for wire rope ratings.

**Drum Storage Capacities For Typical Wire Rope Diameters\***

Diameter in. (mm)	Length Feet (Meters)
7/16 in. (11 mm)	2,630 ft. (802 m)
1/2 in. (13 mm)	1,890 ft. (576 m)
9/16 in. (14 mm)	1,510 ft. (460 m)

\* For SAE rated wire rope capacities, use 90% of the values shown.

- ▶ Selection of the proper wire rope diameter, with a minimum breaking strength and allowable pull appropriate for use on these winches is the responsibility of the user
- ▶ For information on wire rope sizes other than those shown, consult the factory

**Options Available**

- ▶ Extended Frame & Out-board Hanger Bearing. This feature raises the capacity of the drum shaft extension to 4,000 lbs.
- ▶ Clutch Position Sensing. This feature gives you an indicator light which indicates if the drum clutch is engaged or if the drum is in free-spool mode.
- ▶ Roller Tensioner. This roller minimizes wire rope over-spool.
- ▶ Counterbalance valves for instantaneous holding of load for overhead applications under load
- ▶ One-handle, two speed control for simplified operation (control valve additional cost or customer-supplied item)

**P/N 70524 Adams® CD3 Continuous Duty Winch**  
Weight: 1600 lbs. (725 kgs)

- ▶ CD3 with offset shaft available for certain body configurations.

**P/N 75267 Adams® CD3 Continuous Duty Winch with Offset Shaft**  
Weight: 1800 lbs. (816.5 kgs)

