

Hand Winches Cont.

Brake Winches

- Ideal for a lifting and lowering applications



Part No.	Drum Capacity	Wire Rope Diameter	Work Load Limit	Drum Diameter	Handle Length
0529128	66 ft, 49 ft	3/16", 1/4"	1200 lb	1.89"	8.00"
0529129	66 ft, 49 ft	3/16", 1/4"	1600 lb	1.89"	10.00"

DLB Series Brake Winches

- D-L Brake Winches are suitable for many lifting and lowering applications such as raising boats on davits, deer feeders, and boat lifts
- Self-locking brake winches provide additional safety and control for many lifting and pulling jobs
- The automatic friction brake supplies constant, positive holding action and prevents runaway load
- Brake is fully automatic and the load remains in position anytime the handle is released
- A load is required to pull line from the winch drum
- Number 0501559 has the additional ability to freewheel under no load conditions
- Cable not included



Part No.	Drum Capacity	Wire Rope Diameter	Work Load Limit	Gear Ratio	Drum Diameter	Handle Length
0501557	68 ft	3/16"	800 lb	4.4:1	1-7/8"	7.00"
0501559	69 ft	7/32"	1200 lb	5.4:1	2-1/2"	7.00"
0501558	60 ft	1/4"	1500 lb	5.4:1	2-1/2"	9.38"

Thern® Spur Gear Hand Winches - Single and Double Reduction



- Industrial strength winches feature machine cut spur gears for accurate operation and long lasting service
- Automatic brake models provide positive load control for lifting and lowering operations.
- Brake models have a PB suffix
- Zinc and iridescent dichromate plated finish protects against corrosion
- Bronze bushings and ball bearings deliver smooth operation
- Wire rope sold separately
- Model M401 operates without gears or bearings
- Actual drum capacities may be 25-30% less, due to non-uniform winding.
- Tension in the wire rope will also reflect drum.



Part No.	Work Load Limit	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	Gear Ratio	Drum Capacity	Force to Lift 1000 lb
0559130	300 lb	500 lb	300 lb	1/8", 3/16"		130 ft, 60 ft	
0559131	500 lb	1000 lb	500 lb	1/8", 3/16"	2.85:1 for Single	130 ft, 57 ft	40 lb
0559132	500 lb	1000 lb	500 lb	1/8", 3/16"	2.85:1 for Single	130 ft, 57 ft	41 lb
0559133	500 lb	1000 lb	500 lb	1/8", 3/16"	2.85:1 for Single	250 ft, 110 ft	40 lb
0559134	500 lb	1000 lb	500 lb	1/8", 3/16"	2.85:1 for Single	250 ft, 110 ft	41 lb
0559135	1200 lb	2000 lb	1200 lb	3/16", 1/4", 5/16"	3.83:1 for Single; 14.7:1 for Double	110 ft, 59 ft, 39 ft	20 lb
0559136	1200 lb	2000 lb	1200 lb	3/16", 1/4", 5/16"	14.7:1 for Double	110 ft, 59 ft, 39 ft	17 lb
0559137	1200 lb	2000 lb	1200 lb	3/16", 1/4", 5/16"	3.83:1 for Single; 14.7:1 for Double	210 ft, 120 ft, 77 ft	20 lb
0559138	1200 lb	2000 lb	1200 lb	3/16", 1/4", 5/16"	14.7:1 for Double	210 ft, 120 ft, 77 ft	17 lb

Thern® Spur Gear Hand Winches - Stainless Steel

- Stainless steel construction provides long lasting service in corrosive environments
- Machine cut spur gears deliver accurate operation and long life
- Winches include an automatic brake to provide positive load control for lifting and lowering operations
- Stainless steel fasteners and springs ensure corrosion resistance, while bronze bearings and radial ball bearings deliver smooth, efficient operation
- Wire rope sold separately
- Actual drum capacities may be 25-30% less, due to non-uniform winding
- Tension in the wire rope will also affect drum capacity



Part No.	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	Gear Ratio	Drum Capacity	Force to Lift 1000 lb
0559149	600 ft	1200 ft	1/8", 3/16", 1/4"	3.83:1 for Single	240 ft, 110 ft, 59 ft	46 ft
0559150	1000 lb	2000 lb	3/16", 1/4", 5/16"	14.7:1 for Double	110 ft, 59 ft, 39 ft	17 ft

Electric Winches

Thern® Atlas Construction Winch Series



The Atlas Construction Winch is designed for rugged use and portability to deliver reliable performance and long lasting service. It has electric and pneumatic power options.

- Standard electric motor is 115 volt, single phase, 60 cycle, 15 minute duty TENV
- Standard motor includes a 16' power cord with grounded plug and 16' momentary contact-type push-button pendant control
- Internal mechanical brake provides positive control of load
- Worm gearing enclosed in a die-cast aluminum gearbox and operates in an oil bath for continuous lubrication
- Large diameter cast aluminum drum operates on radial ball bearings lubricated for life
- Spring action pressure plate applies constant pressure to help prevent birdnesting of the wire rope
- Solid cast aluminum handles allow ease for transporting
- Portable winch can be installed horizontally, vertically or upside-down for lifting or pulling



Part No.	Work Load Limit	Voltage	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	1st Layer Line Speed	Drum Capacity	Approx. Ship. Wt.
0546170	800 lb	115	2000 lb	800 lb	1/4", 5/16"	8 fpm	280 ft, 190 ft	100 lb
0546178	800 lb	115	2000 lb	800 lb	1/4"	8 fpm	190 ft	100 lb

Thern® Series 477 Helical/Worm Gear Power Winches

- Helical/worm gearing delivers dependable operation
- Cast aluminum construction provides lightweight strength and durability
- Enclosed oil bath provides continuous lubrication
- Internal mechanical brake provides positive load control for lifting and lowering operations
- Ball bearings deliver smooth operation
- Wire rope sold separately
- Actual drum capacities may be 25-30% less, due to non-uniform winding
- Tension in the wire rope will also affect drum capacity



Part No.	Work Load Limit	Voltage	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	1st Layer Line Speed	Drum Capacity
0559190	1200 lb	115	2000 lb	1200 lb	5/16"	13 fpm	90 ft
0559191	1200 lb	12	2000 lb	1200 lb	5/16"	13 fpm	90 ft