



Hand Winches

Spur Gear Hand Winches

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. Zinc and iridescent dichromate plated finish protects against corrosion. Bronze and ball bearings deliver smooth operations. Wire rope sold separately.



Spur Gear Hand Winch Specifications

Model	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	Full Drum Capacity	Gear Ratio	Force to Lift 1000 lb	Approx. Ship Weight
M401 *	500 lb	300 lb	3/16 in	60 ft	-	-	8 lb
M4022PB	1000 lb	500 lb	3/16 in	57 ft	2.85:1	41 lb	17 lb
M4032PB	1000 lb	500 lb	3/16 in	110 ft	2.85:1	41 lb	18 lb
M4312PB	2000 lb	1200 lb	1/4 in	59 ft	14.7:1	17 lb (Dbl Gear)	28 lb
M4412PB	2000 lb	1200 lb	1/4 in	120 ft	14.7:1	17 lb (Dbl Gear)	30 lb

* Does not have automatic brake - Not suitable for lifting

Worm Gear Hand Winches

Machine cut worm gears provide accurate operation and long lasting service. An enclosed oil bath provides continuous lubrication to minimize wear (except to Model 465). Automatic brake models provide positive load control for lifting and lowering operations. A durable paint finish is combined with zinc and iridescent dichromate plating to protect against corrosion. Bronze and ball bearings deliver smooth operation. Winches can be field or factory converted for vertical or wall mounting. Wire rope sold separately.



Worm Gear Hand Winch Specifications

Base Model	Brake Model	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	Full Drum Capacity	Gear Ratio	Force to Lift 1000 lb	Approx. Ship Weight
465	-	750 lb	400 lb	3/16 in.	59 ft	20:1	21 lb	12 lb
462	4622PB	1000 lb	500 lb	3/16 in	61 ft	15:1	34 lb	15 lb
482	482B	4000 lb	2500 lb	3/8 in	140 ft	26:1	31 lb	100 lb

Actual drum capacities may be 25-30% less, due to nonuniform winding.
Tension in the wire rope will also affect drum capacity.
Weight shown is for base model, add 6 lb for brake on 4622PB, add 13 lb. for brake on 482B.

Series 4WM Worm Gear Hand Winches

Machine cut worm gearing delivers accurate operation and long lasting service. Hex drive and socket handle included. Winch can also be driven with a maximum 400 rpm drill motor. Cast Aluminum gearbox and drum provide lightweight strength and durability. An enclosed oil bath provides continuous lubrication. An internal mechanical brake provides positive load control for lifting and lowering operations. Bronze bearings deliver smooth operation. Wire rope sold separately.



Series 4WM Worm Gear Hand Winch Specifications

Model	Load Rating 1st Layer	Load Rating Full Drum	Wire Rope Diameter	Full Drum Capacity	Gear Ratio	Force to Lift 1000 lb	Approx. Ship Weight
4WM2	2000 lb	1200 lb	1/4 in	77 ft	32:1	14 lb	41lb
ED120BD	Electric drill-motor 400 rpm drive kit-120VAC with 1-1/8" hex socket						12 lb.

Actual drum capacities may be 25-30% less, due to nonuniform winding.
Tension in the wire rope will also affect drum capacity.