

# Lifting Winches



Avitech Systems

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# Lifting Winches



**H-1500**  
**GN-900**

WORM GEAR WINCH INSTRUCTIONS

**FEATURES**

- Multipurpose. Lifting, supporting and hauling goods with hand-driver.
- Safety and reliability. Easy stop in any position with self-lock.
- Lubrication. Factory lubrication before packaging.
- Optional drums. Three options available: single drum, split drum or widened drum.
- Super performance. Cast worm with heat-treated gear makes the mechanism unique, reliable and durable.
- Smooth Drive. Oil-retaining bushings or bearings for smooth drive.
- Durable Surface Finish. Powder-coated surface plus zinc-plating for longer corrosion resistance.

Rated Load	(the first layer of cable on the hub) (the last layer of cable on the hub)	680 kg (1500 lbs) 309 kg (681 lbs)
Ratio		41 : 1
Hub Dia.(mm)		φ 47
Hub Capacity of rope (rope Dia. x Length)		1/4" 3/16" 1/8" 6.35 mm 4.76 mm 3.17 mm 17 ft. 29 ft. 60 ft. 5 m 9 m 18 m
Overall Dimension (Length x Width x Height)(mm)		185 x 152 x 190
Handle Length (mm)		177
Net Weight (Kg)		4.7



**H-3500**  
**GN-400**

POWER WINCH INSTRUCTIONS

**FEATURES**

- Multipurpose. Lifting, supporting and hauling goods with hand-driver.
- Safety and reliability. Easy stop in any position with self-lock.
- Lubrication. Factory lubrication before packaging.
- High strength construction. One-piece housing made of nodular graphite cast iron.
- Wear-resistance and durability. Heat-treated transmission shafts and gears.
- Smooth operation. Oil-retaining bushings or bearings for smooth drive.
- Reliable surface finish. Long-standing paint or chrome-plated for corrosion resistance.

Rated Load	(the first layer of cable on the hub) (the last layer of cable on the hub)	1588 kg (3500 lbs) 1189 kg (2621 lbs)
Ratio		41 : 1
Hub Dia. (mm)		φ 92
Hub Capacity of rope (rope Dia. x Length)		3/8" 5/16" 1/4" 9.53 mm 7.94 mm 6.35 mm 26ft. 31ft. 50ft. 8 m 9 m 15 m
Overall Dimension (Length x Width x Height mm)		330 x 220 x 216
Net Weight (Kg)		16.5



**H-1200B**  
**VB-315**

AUTO-BRAKE HAND WINCH INSTRUCTIONS

**FEATURES**

- Multipurpose. Lifting, supporting and hauling goods with crank handle.
- Safety and reliability. Easy stop in any position with self-lock.
- Lubrication. Factory lubrication before packaging.
- Wear-resistance and durability. Heat-treated transmission shafts and gears.
- Reliable surface finish. Powder-coated surfaces plus zinc-plating for longer corrosion resistance.

Rated Load	(the first layer of cable on the hub) (the last layer of cable on the hub)	544 kg (1200 lbs) 172 kg (379 lbs)
Ratio		4.1 : 1
Hub Dia. (mm)		φ 33
Hub Capacity of rope (rope Dia. x Length)		7/32" 3/16" 1/8" 5.56 mm 4.76 mm 3.17 mm 30ft. 55ft. 100ft. 12 m 16 m 33 m
Overall Dimension (Length x Width x Height mm)		183 x 272 x 150
Handle Length (mm)		206 mm / 13.5 kg
Net Weight (Kg)		3.5



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