



## 32 Tonne Norson Lift Winch

Asset no. WIN2-2

Manufacturer	Norson Eng. (Project No 17612GM)
Size: -	
Length	2.60m
Width	2.88m
Height	2.13m
Weight, Winch without wire	8.54 Tonne
Weight, Wire	1.78 Tonne
Weight, Gross	10.32 Tonne
Brake Holding Capacity	50 Tonne on any layer
Maximum Line Pull	32 Tonne on all layers
Line Speed, Pick-Up/Pay-Out	15m/min
Drum Capacity	250m of 38mm Diameter
Drum Motor	Volvo F12-110-MF-IH-K
Power Pack	PPD9



## Winch Main Component Details

Drive Motors Manufacturer	Volvo
Drive Motor Model	F12-110-MF-IH-K.
Gearbox Manufacturer	Brevini
Gearbox Model with FL450 Brake	ET 3600 MN1 89.95:1 ratio

## DESCRIPTION

Read the description in conjunction with reference to Norson Drawing N-000218– General Arrangement 32 tonne Lift Winch.

The winch comprises a horizontal drum, shaft-mounted in plain bearings, which in turn are mounted in plummer blocks on a fabricated support frame..

The drum is driven by an axial piston hydraulic motor, through a gearbox, the output shaft of which, is fitted with a gear pinion, which engages in a gear ring at one flange of the drum.

A slot is provided on the flange at the non-drive end of the drum, through which the end of the wire rope passes when initially offered to the drum. Two wire clamps locate the free end of the wire rope to the outside of the drum flange and are secured by M30 bolts with spring washers.

Directional and speed control of the winch is determined by a manually operated, rotary joystick located on a Local Control Panel, which is mounted on the winch, near the drive motors. The winch can also be controlled remotely.

The winch is secured by eighteen M36, grade 12.9 holding down bolts via sacrificial base plates, which are welded, to the deck.

