

Neumann Equipment has a range of high quality Mining and Industrial Equipment, designed by qualified engineers to perform and excel in a range of mining and industrial applications.

## Lifting/Hoisting Winches

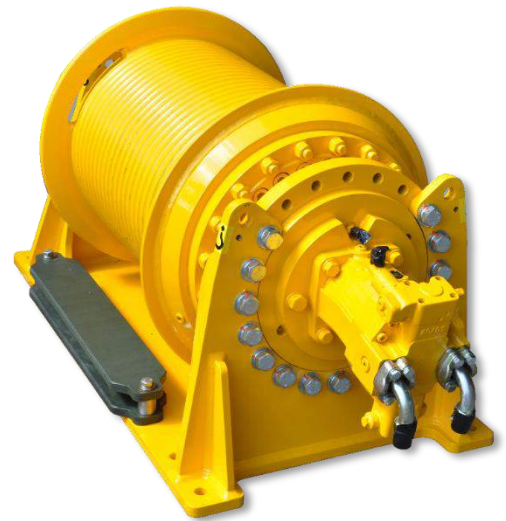
Neumann Equipment specialise in the design and manufacture of Lifting and Hoisting Winches.

All Lifting/Hoisting Winches that are designed and manufactured by Neumann Equipment fully comply with the strict guidelines set in the Australian Standard AS1418 – Cranes, Hoists and Winches.

Our engineers can design these winches to suit your custom requirements and application. The design is then RPEQ certified to ensure compliance to design parameters and Australian Standards.

Neumann Equipment's range of Lifting/Hoisting Winches include the following standard specifications:

- Fully comply with AS1418 – Crane, Hoists and Winches;
- Line pull option are from 2 to 20 tonne on the top layer;
- Fail safe multi disc spring applied brake;
- Winch drum is supported with a fully sealed self-aligning outrigger bearing;
- Winch base and drum are fabricated from grade 250 carbon steel;
- Heavy duty industrial protective coating;
- Optional spooling systems: Archimedes screw.



The 2 tonne and 20 tonne Lifting/Hoisting Winch examples that are detailed in the table below were designed and manufactured for use on mobile drilling equipment.

LIFTING/HOISTING WINCH SPECIFICATIONS	LHW2000H	LHW13000H	LHW20000H
Line Pull – Top Layer (kg)	2,000	13,000	20,000
Bottom Layer (kg)	3,000	One layer only	21,190
Line Speed – Top Layer (m/min)	0 – 139	0 – 20	0 – 22
Bottom Layer (m/min)	0 – 83	One layer only	0 – 20
Drum Speed (rpm)	0 – 74	0 – 13.2	0 – 11.8
Rope Size (Typical) (mm)	10	26	26
Drum Width (mm)	500	2 x 700	650
Drum Capacity (m)	735	2 x 34	45
Drive (Hydraulic or Electrical)	Hydraulic	Hydraulic	Hydraulic

When purchasing Mining and Industrial Equipment, you can feel confident in Neumann Equipment designed and manufactured products. From the design stage though to the dispatch, our internal Quality Assurance Systems fully comply with AS/NZS ISO 9001:2008.

Neumann Equipment has been manufacturing cutter suction dredges and associated equipment for the open market and their contracting arm of the business since 1948.

When you are next in the market for quality Mining and Industrial Equipment you cannot go past our range of Australian designed and manufactured products.