



SHEPARD NILES

“Giving Industry A Lift Since 1878”

Hoist Specifications

HOIST FRAME

Rigid welded steel unit construction insures permanency of alignment, quiet operation, and forms a dust/moisture shield for drum and cable assemblies. **No Other manufacturer offers a frame this durable.**

HOIST GEARING

The Shepard “Balanced Drive” Planetary Gearing consists of two stages with two or three planet gears in each stage. Gears and pinions are constructed of heat-treated steel, with 20 deg. involute machined gear teeth. The totally enclosed oil tight gear housing insures smooth positive operation.

MECHANICAL BRAKE

The multiple disc mechanical load brake will hold the full load independently of the motor brake & prevents load acceleration when lowering. It interposes no resistance in hoisting. Externally adjustable, with the largest brake surface area and lowest psi in the industry.

ELECTRIC BRAKE

Forced air-cooling design, direct acting disc type brake provides a torque rating of 150% of the motor torque. Easily adjustable to compensate for lining wear without disassembling the brake; holds full load independently of the mechanical load brake.

ROPE DRUM

The splined winding drum is fabricated of hot Rolled steel or semi-steel casting and has flanges to effectively protect against cable pinching. Rope grooves are machined cut to exceed established minimum standards for pitch and depth. All catalogue lifts are based on retaining a minimum of two full rope turns on the drum when the hook is in the lower position.

REPAIR PARTS

Maintenance and or repair parts are obtainable regardless of the age of your machine

LIMIT SWITCHES

A weight type (clock activated) upper pilot limit switch is standard. An optional upper and lower geared limit switch, which brings the load hook to a positive stop at any desired position in both the hoisting and lowering directions. Can be factory or field mounted. Power circuit, overload and slack cable switches are available.

WIRE ROPE

Extra improved plow steel with independent wire rope center (IWRC) preformed and internally lubricated. The hoisting rope is “dead ended” to the hoist frame by means of an improved safety anchorage or to the drum via swagged collar.

LUBRICATION

The entire gear train is enclosed in an oil-tight case with sufficient reservoir to ensure proper oil bath lubrication and cooling.

CONTROLS

Controls are designed specifically for hoist service and built in compliance with NEMA and NEC Specifications. Enclosures are also available for unusual environments.

ACCESSIBILITY

The motor, controller, gearing mechanical brake, electric brake limit Switch and winding mechanism are each independent of one another. Any of the units are separately accessible and may be completely Disassembled without disturbing any other unit.

BEARINGS

The highest-grade anti-friction sealed bearings are used throughout the hoist.

PUSH BUTTON ENCLOSURE

The standard push button is contained in a molded rubber enclosure which meets most industrial requirements. Each individual function button is protected from oil, dirt and other contaminants.

www.shepard-niles.com

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