

# WIRE ROPE HOIST



Available in base mounted or trolley mounted configurations, ACI Wire Rope Hoists have the best quality to price ratio in the industry.

## Standard Features Include:

- Capacity: 1 - 55 Ton in stock. Higher capacities available.
- 3 Phase hoist (230 or 460v / 60Hz).
- Lightweight, robust construction.
- Hoist available in base mount, low or normal headroom monorail, or double girder configuration.
- Duty Rating: H4
- Standard lift speeds of 16 and 31 FPM.
- Upper & lower limit switches safety feature as standard to cut power directly to the motor. (Required in hot metal & critical lift environments.) Optional second upper limit switch available.
- Trolley brakes, drop lugs, and bumpers standard on trolley mounted units.
- Hoist meets or exceeds HMI, ASME, and NEC requirements.
- High performance mechanically & electrically interlocked contactor.
- TEFC motors for greater external cooling capacity compared to TENV motors.

### Rope Guide

Designed to allow a 4° vertical wire rope deviation. The rope guide actuates the upper and lower limit switches.

### Motorized Trolley

Trolleys feature drop-forged high tensile strength steel wheels that are adjustable to fit a variety of flange widths. Permanently lubricated and shielded ball bearings for smoother travel.

### Gear Box

Two-stage planetary gear reducer. Surface hardened gears cut from high grade material ensure smooth and quiet operation. All gear stages are immersed in an oil bath for long service life.

### Drop Forged Hook Block

Large diameter with machined steel sheaves run on shielded, lifetime lubricated bearings. Forged hooks are proof tested and rotate 360° on ball bearings.

### Pendant Control

Easy to use, one handed operation. Rated IP65, standard control voltage is 110V. Strain relief wire is molded to pendant cable for added support.



### Wire Rope Drum

Milled from a single piece of heavy wall steel tubing and supported at both ends by oversized lifetime lubricated sealed bearings. A large drum to cable diameter ratio with two full runs of rope remain on the drum at the lowest hook position.

### Heavy Duty Motor

The TEFC externally mounted tapered rotor motor is designed for high duty cycle factors and switching frequencies.

### Mechanical Brake

ACI Wire Rope hoists feature an integral conical brake designed with a 175% safety factor. The brake is actuated automatically upon loss of power.

### Control Box

Fully customizable UL listed, steel control box houses mechanically interlocked reversing contactors and a through.

### Steel Chassis

Welded steel body is of robust yet light weight construction with a baked paint finish.

**\*\* Rope Core Option Available:  
Independent wire rope core**