

**WORLD
SERIES™
WIRE ROPE
HOISTS**

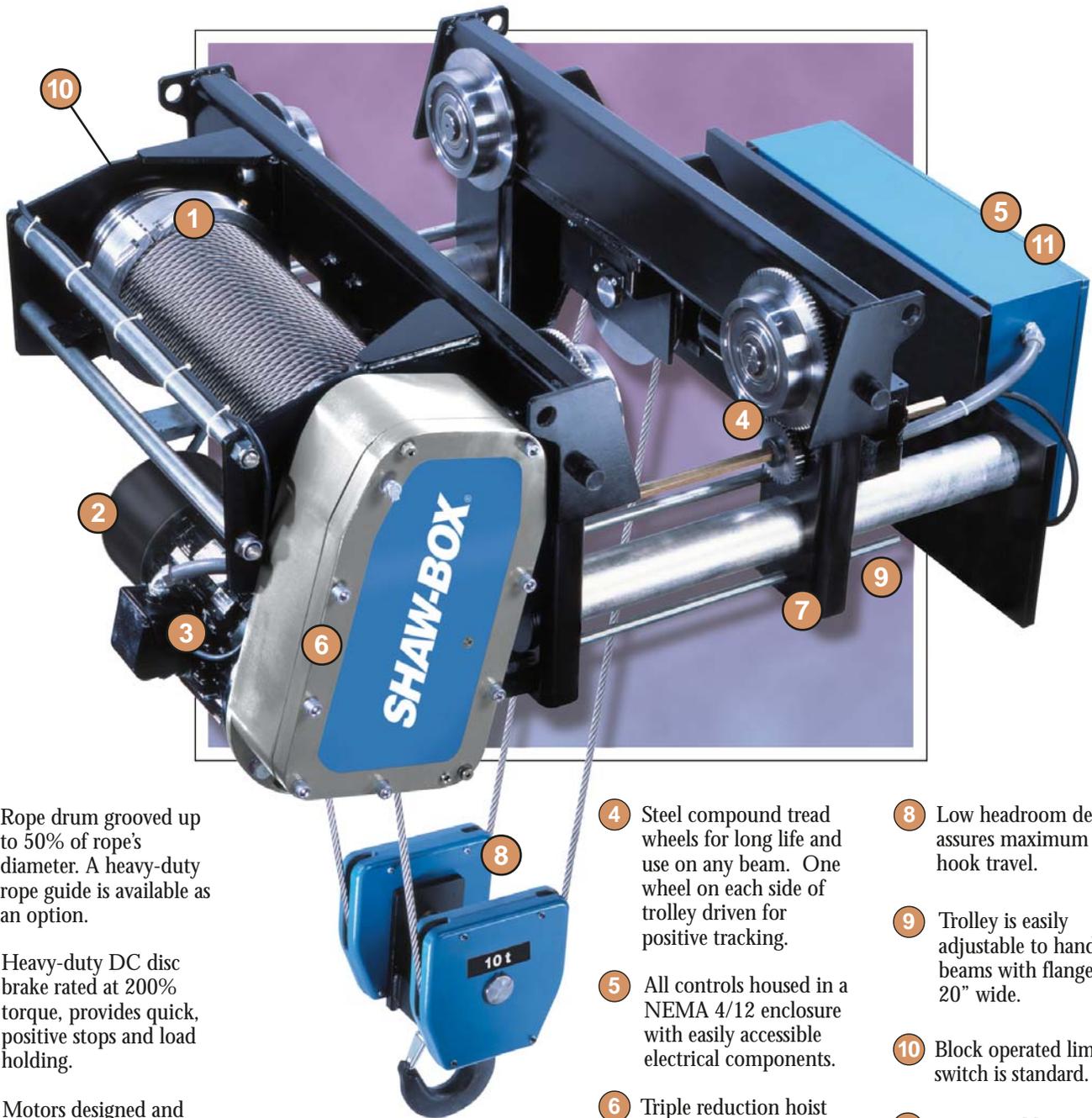


SHAW-BOX®

SHAW-BOX World Series™

The Shaw-Box *World Series* wire rope hoist was created for the world market and combines over 117 years of experience with the latest in manufacturing and materials technology, rigid design standards and the best quality components available to create a feature-filled, rugged, easily maintained hoist.

The *World Series* hoist is metric capacity rated, low headroom, heavy-duty, rated for H4 service as a minimum with the higher lifting speeds and precise positioning control demanded by industry worldwide.



- 1 Rope drum grooved up to 50% of rope's diameter. A heavy-duty rope guide is available as an option.
- 2 Heavy-duty DC disc brake rated at 200% torque, provides quick, positive stops and load holding.
- 3 Motors designed and manufactured specifically for hoisting service.

- 4 Steel compound tread wheels for long life and use on any beam. One wheel on each side of trolley driven for positive tracking.
- 5 All controls housed in a NEMA 4/12 enclosure with easily accessible electrical components.
- 6 Triple reduction hoist gearing easily accessible in an oil tight gear case.
- 7 Heavy steel frame provides a solid foundation and positive alignment of key components.
- 8 Low headroom design assures maximum hook travel.
- 9 Trolley is easily adjustable to handle beams with flanges to 20" wide.
- 10 Block operated limit switch is standard.
- 11 Two-speed hoist and trolley control for smooth acceleration and precise load positioning.

World Series Standard Features



Hoist Gear Case & Motor

Triple reduction hoist gearing is oil bath lubricated, operating in an oil-tight, vacuum cast aluminum gear case. The gear case is conveniently located to allow ease of access in the air, while providing a low headroom design with maximum lift. The motor is two-speed with a 6:1 ratio from high to low speed; giving a low speed for precise load handling and a high speed for fast throughput.



Block Operated Limit Switch

The hoist is provided with a block actuated upper limit switch, meeting the requirements of A.S.M.E. The limit switch is actuated by contact with the lower block, preventing double blocking, possible rope breakage and load drop. Also included is an upper and lower geared limit switch.



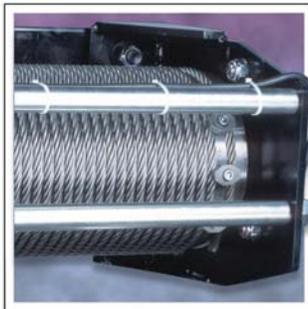
Wire Rope Drum & Rope Guide

The wire rope drum is machined from quality steel, grooved to a depth equal to 50% of the rope's diameter, with a rope guide to help ensure the rope stays in the grooves.



Trolley Traverse Drive

Two wheels are driven; one on each side of the frame for maximum traction and uniform tracking. Traverse motor drives a right angle worm gear reducer for smooth starting and stopping (within OSHA required distances) without requiring a brake. Trolley traverse drive pinion shaft is hex-sided; keys not needed for reducer or pinion connections. Each drive pinion is held in place with locking collars to prevent pinion walking.



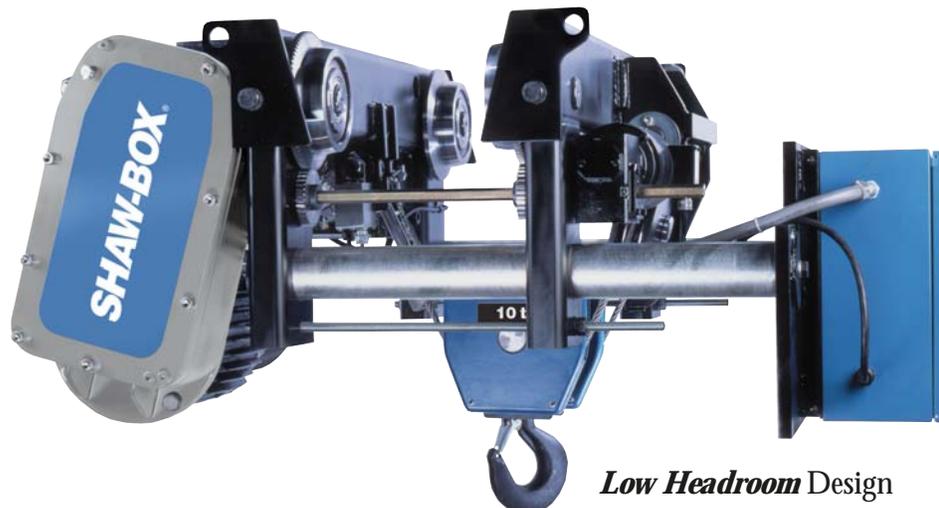
Drum, Reeving & Lower Block

Hoist is reeved to a low-headroom design lower block for minimum headroom and maximum lift. Wire rope is secured to the drum with three heavy ductile iron clamps and designed to have three extra wraps of wire rope on the drum with the rope at full extension (low hook).



Control Panel

Hoist and trolley controls are housed in a common NEMA 4/12 control enclosure; with generous space for ease of inspection and service. Controls use only the highest quality components and are designed to meet NEC standards for maximum life and easy service.



Low Headroom Design

For additional information, contact your Lift-Tech representative or Lift-Tech headquarters direct.



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⚠ WARNING

To Avoid Injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Read and follow all instructions.