



# CABLE KING™ Top-Running Trolleys



AMERICA'S FIRST NAME IN

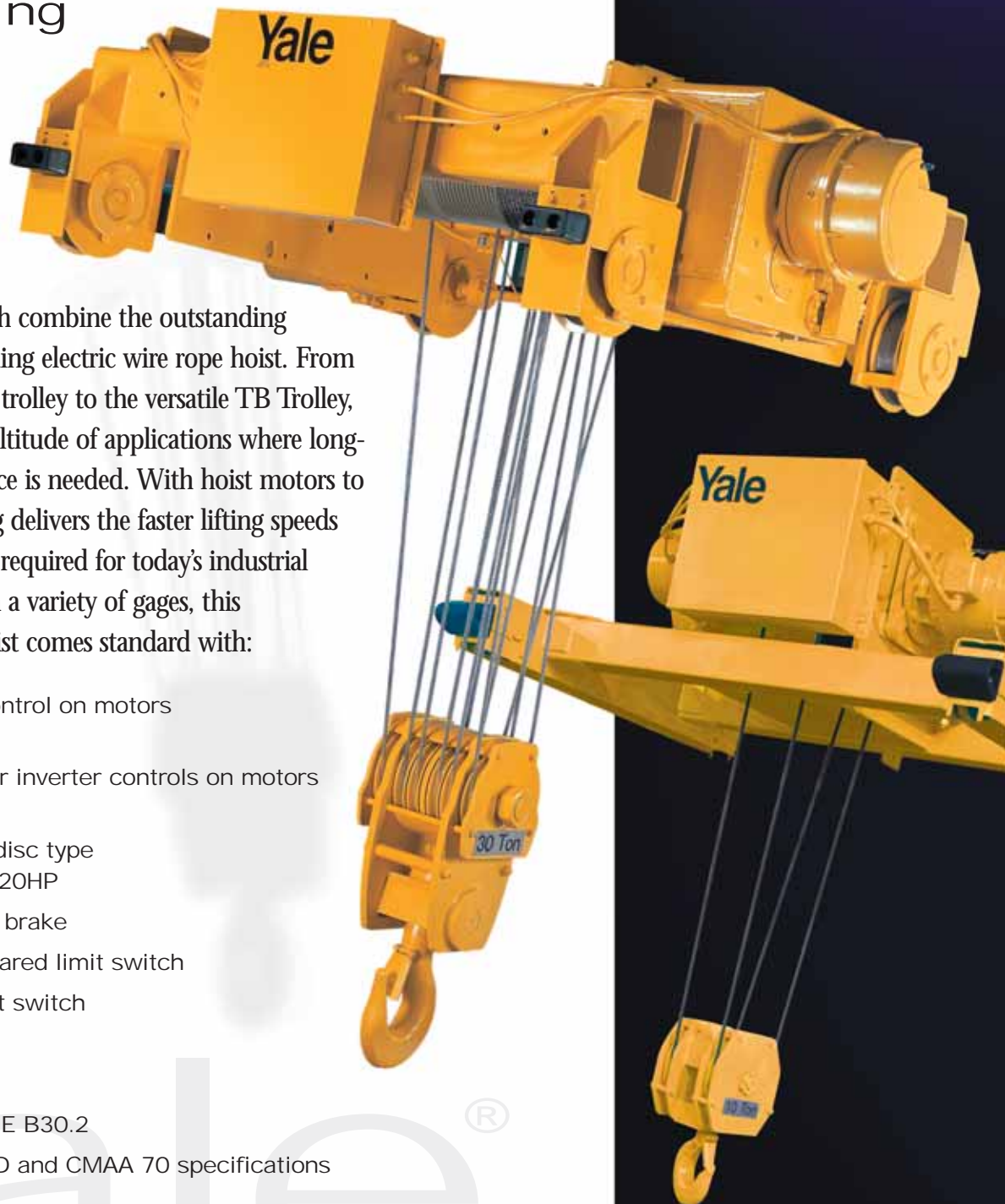
INDUSTRIAL LIFTING

# Top-Running, Heavy Duty Trolleys Built to Last

Loaded with standard features, designed for heavier service applications requiring faster lifting speeds.

The Yale Cable King line of top-running trolleys comes packaged two ways: the TR and the TB Series. Both combine the outstanding features of the Cable King electric wire rope hoist. From the low-headroom TR trolley to the versatile TB Trolley, both are ideal for a multitude of applications where long-term, dependable service is needed. With hoist motors to 30 Hp, the Cable King delivers the faster lifting speeds and heavy-duty service required for today's industrial operations. Available in a variety of gages, this top-running trolley hoist comes standard with:

- Flux Vector hoist control on motors 25 Hp and larger
- Single, two-speed or inverter controls on motors under 25Hp
- Weston screw-and-disc type load brake through 20HP
- AC-disc-type motor brake
- Upper and lower geared limit switch
- Upper plugging limit switch
- Rubber bumpers
- Rail sweeps
- Conforms with ASME B30.2
- Available for Class D and CMAA 70 specifications



# TR Series: Capacities 5 to 35 tons



The most versatile *low profile* trolley in the industry.

Combine the renowned Yale Cable King hoist with four double flanged steel wheels, a heavy duty, totally enclosed traverse drive and heavy duty steel frame and you get a top-running trolley of the highest quality, with the fastest hoisting speeds and widest capacity range in its class. With capacities ranging from 5 to 35 tons and lifts to 175 feet. Coupled with hoist motors to 30 Hp and a variety of control and other options, the Cable King Top-Running Trolley is the most versatile in the industry.



Totally enclosed, heavy-duty oil bath lubricated trolley traverse drive turns two rotating axle wheels connected by a line shaft. All wheels are supported on both sides by anti-friction bearings.

Customize to fit your application.

You can take advantage of optional equipment as well. In fact, there is an extensive range of options available to customize your Cable King TR Series and TB Series Top-Running Trolley to meet the exact requirements of your application. Some of the many options available are:

# TB Series: Capacities 5 to 20 tons



The most cost effective solution for applications to 20 tons.

Deck-mount the Yale Cable King hoist on a rugged, one-piece welded frame consisting of heavy steel structural members, plates and tube-type end trucks and you get a trolley that is built for years of heavy, dependable service yet is cost-effective. With capacities ranging from 5 to 20 tons, coupled with a variety of control and other options, the Cable King TB Series is the best buy in the industry for capacities 20 tons and under.



Two driven wheels are used to propel the trolley. The trolley traverse is driven by a TENV motor with a standard AC disk brake. This drives a geared flange, fixed axle wheel with a secondary pinion line shaft connected to a drive pinion in the other end truck.

- Flux vector variable frequency drives
- C-hook, magnet or bucket applications
- Air drive available
- Overcapacity lift protection
- Special paint finishes
- Radio control
- Explosion-proof electrics
- Spark-resistant features

# Cable King™ Standard and Optional Features

\*Photos shown are for illustrative purposes only. The actual products may vary in color and design



## Hoist Gearing

Precision spur machined from high-alloy steel or drop forgings and case hardened for long life and quiet operation. Gearing operates in a precision machined ductile iron or steel gearcase and is continuous oil bath lubricated to reduce maintenance and increase life.



## Hoist Mechanical Load Brake

Fully automatic in operation and adjustment. Weston design load control brake operates with or without power. Standard on hoists with motors up to 20 Hp. Hoist motors over 20 Hp are provided with Flux Vector control as standard.



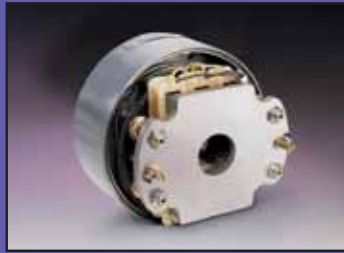
## Wire Rope Drum

Drums are fabricated from steel tubing and grooved to a depth of up to 50% of the rope's diameter to guard against the rope jumping out of the groove, which can damage and weaken the rope.



## Motors (Hoist motor pictured)

Cable King motors are high starting torque built especially for hoisting applications. These high quality motors come standard as 30-minute rated with Class F insulation and thermal overloads built into the windings.



## AC Motor Brake

The Cable King uses an AC-type gearcase mounted disc brake. Its features include precise load spotting capabilities and more efficient power consumption than other types of hoisting brakes. Electrically released and spring set, the brake operates automatically upon loss of power.



## Upper Block-Operated Limit Switch

In addition to the geared limit switch, an upper block-operated control circuit limit switch is provided as standard. The limit switch is activated by the lower block and contains a reverse plugging feature that will momentarily reverse the direction of the hoist if the block continues to travel too high.



## TR Trolley Traverse Drive

Crane duty motor drives two rotating axle wheels through heavy duty, oil bath lubricated spur gearing in a totally enclosed gear case. Drive is provided with an AC disc brake as standard.



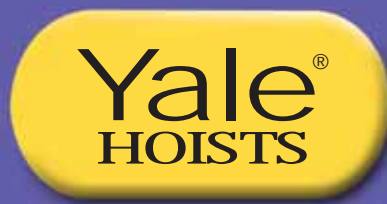
## Geared Limit Switch

Heavy-duty, adjustable geared upper and lower control circuit limit switch is standard on all Cable King hoists.



## SpaceVector™ Variable Frequency Drives

Optional variable frequency drives are available for hoisting and traverse motions. Variable frequency drives provide smoother acceleration and deceleration, less load swing and impact on the drive train and allow the motors to run cooler improving load handling and extending equipment life. For hoist motors over 20 Hp, flux vector controls are standard.



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For additional information contact your Yale representative or Yale 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.

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