



SH WIRE ROPE HOISTS

THE NEW SH WIRE ROPE HOIST

Utilizing the space above work areas for transporting loads has become increasingly important. CANSTAHL, with its great wealth of experience, aims to optimize the benefits for customers by using monorail trolleys and cranes. All our efforts in sales, product development and manufacture are directed at improvements in delivery times, reliability of delivery dates, quality, safety at work, insusceptibility to human error, service life and simple fault elimination. CANSTAHL has introduced in 1998 the new wire rope hoist type SH to supersede the AS wire rope hoist that is still successful after 20 years of reliable service. The new wire rope hoist type SH is the logical reply to the demands of new building and safety regulations. The main focus of development was overload protection and compact dimensions. Particular emphasis was laid on meeting more rigorous customer requirements with regard to movement of goods and freedom from maintenance.

Modular Construction The SH wire rope hoist has a modular structure. Both standard and customized designs for particular requirements are possible on the basis of series components. The individual components are optimally matched.

Technical Features

1. HOIST MOTOR

3 phase A.C. squirrel-cage induction motor, 2/12 poles, with cylindrical rotor and low flywheel mass. Classified in group 4 m to FEM 9.682. Reliable starting even at under voltage and with high hoisting load. Designed for heavy duty. High protection class IP55 and temperature control with thermistor temperature sensors as standards. - IP66 available for special environment.

2. LONG LIFE BRAKE

The twin-disc magnetic brake is encapsulated and has asbestos-free brake linings. No replacement of the brake disc is necessary during the most of the service life of the hoist in normal operation. A wear monitoring facility is available on request.

3. GEAR

Maintenance-free gear in the most modern technology: completely enclosed monoblock housing with highest accuracy and stability, gearing with high degree of flank hardness optimized after hardening by honing (high service life, low noise). Lifetime oil lubrication, Minimum classification in group 2m to FEN9.511.

4. ROPE DRIVE AND DRUM

- Designed for high safety and long service life.
- Highly flexible special bright wire rope or special galvanized rope; Safety factor ≥ 5.0 . Fine machining of the drum grooves minimizes wear on the rope
- The return sheaves are resistant to wear.
- Robust bottom hook block with low headroom.
- Extremely wear-resistant rope guide in spheroidal graphite cast iron, high resistance to diagonal pull; no temperature limitations.

5. CONTROLS

- Conceptionally innovative, hoist-specific design. The gear-type limit switch and monitoring electronics are integrated into the controls themselves. High degree of safety due to weld resistant main contactor; long service life of power contactors.
- Travel drive and control pendant with plug-and-socket connections.
- Contactor's control

The contactor's control (115 Volts) is installed in the hoist panel box. The switchgear includes the contactors for hoisting and travel motions, the evaluation module for the standard overloads device and the release device for the thermistors of the hoist motor temperature control.

6. SAFETY DEVICES

The gear-type limit switch for highest and lowest hook position, temperature control of the motors and an overload device are standard safety devices.

7. TROLLEYS

Welded structures with a high degree of accuracy and rigidity. The under slung trolley is infinitely adjustable to the width of the beam and can be set easily during installation.

8. TRAVEL DRIVE

The basic features of the hoist gear are displayed by the travel gear also. The 2/8-pole 3-phase A.C. squirrel-cage induction motor has a cylindrical rotor and an additional flywheel mass for smooth, low-vibration acceleration and braking. IP 55 as standard protection.

