

Powerful & Reliable Lifting ELECTRIC WIRE ROPE HOIST

CAPACITY RANGE UPTO 120 TONS

CARL STAHL
Craftsman

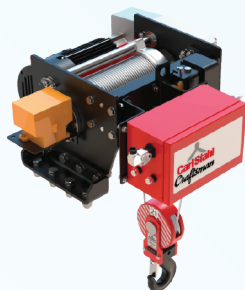
Designed for heavy-duty lifting with precision, the Electric Wire Rope Hoist delivers exceptional performance and durability. Its high load capacity, smooth operation and advanced safety features ensure efficient material handling across industries. Engineered for reliability, it offers effortless control, minimal maintenance and maximum productivity in demanding environments.

MODELS

FIXED HOIST

TYPE
STATIONARY

CAPACITY
0.5 – 1.6 tons



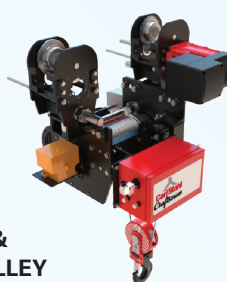
MODEL
CRU-F

UNDERSLUNG HOIST

TYPE
ARTICULATED &
STRAIGHT TROLLEY

CAPACITY
0.5 – 1.6 tons

MODEL
CRU-R & CRU-S



SINGLE GIRDER MONORAIL

TYPE
LOW HEADROOM
HOIST

CAPACITY
UPTO 15 tons



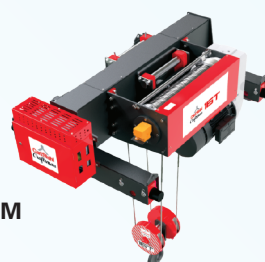
MODEL
CLH-R(SERIES)

DOUBLE GIRDER CRAB

TYPE
LOW HEADROOM
HOIST

CAPACITY
5 – 50 tons

MODEL
CLHD-R(SERIES)

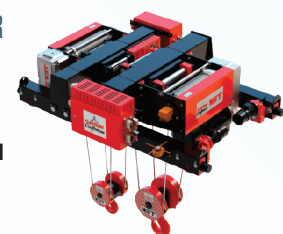


DOUBLE GIRDER DOUBLE CRAB

TYPE
LOW HEADROOM
HOIST

CAPACITY
10/5 tons | 16/7.5 tons
16/10 tons | 20/5 tons
20/10 tons | 30/15 tons

MODEL
CLHD



DOUBLE GIRDER CRAB

TYPE
HEAVY DUTY HOIST

CAPACITY
60 – 120 tons

MODEL
CLHD



FEATURES

- ▲ Low head room hoists
- ▲ High tensile imported wire rope
- ▲ Hoisting speeds through drives only
- ▲ Inbuilt IOT for efficient maintenance to enhance productivity

SAFETY FEATURES

- ▲ Rope safety (FEM Directive)
- ▲ Double limit switch for lifting
- ▲ Overload limit (mechanical/ electrical)
- ▲ Motor overheat protection

www.carlstahlcraftsman.com

ELECTRIC WIRE ROPE HOIST TECHNOLOGY



Design: Compact and effective hook approach | **No counter weights:** Optimized weight balance
Working Group: Standard with MS Duty | **Lifting speed:** Only through drives | **Flange Width:** Smoothly adjustable

COMPONENTS



HOISTRON

- Hoist stats: Cycles, overloads, fault codes
- Maintenance schedule with email notifications
- eSim-based product for accurate data detection



THRUST ROCKER

- Reduces hoist weight
- Eliminates weight balance plates
- Pressed against bottom flange for weight balance



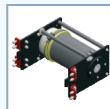
VARIABLE FREQUENCY DRIVE

- Precise load positioning
- Minimized load sway for safety
- Variable speeds and acceleration for application flexibility



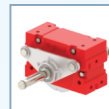
ROPE

- High-strength wire rope for fatigue and wear resistance
- Flexible steel core for prolonged life
- ISO 4308-1 compliant
- Tensile strength: 2160 N/m



ROPE DRUM AND GUIDE

- Seamless rope drum with precise grooves
- Rope guide rollers for smooth operation
- Heavy-duty rope guide for consistent scrolling
- Spring inside guide ensures correct rope tightness



WHEEL BLOCK & WHEEL

- Single flanged wheels for monorail hoist, double flanged for crab hoist
- Spheroidal cast ST-700/2 mechanical wheels
- Ball/roller bearings for extended life



ROTARY LIMIT SWITCH EQUIPMENT

- Hoist switch off at limit positions
- Emergency cut-off at upper and lower positions
- Adjustable cut-off to suit application
- Upper/lower motion limit switch (standard)



GEARBOX & MOTOR

- Precision-machined aluminium body for reduced weight
- Gears immersed in oil for smooth, cool operation
- Heavy-duty motor with brake and cooling fan
- F-class insulation and IP54 enclosure
- Thermistors for motor overheat protection
- IE3 motors with IP55 enclosure and F-class insulation



CROSS TRAVEL- MONORAIL

- Mechanical CTWheels made of spheroidal cast SG 700/2
- Travel machinery designed for hoisting applications
- Direct drive for travel wheels
- Heavy-duty motor with brake and cooling fan
- Thermistors for motor overheat protection



HOOK BLOCK

- Ergonomic design (DIN15400)
- Handles for easy handling
- Safety latch on hook (standard)

OPTIONAL ACCESSORIES



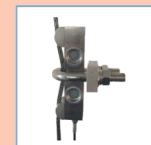
ROPE DRUM BRAKE (ONLY FOR SELECTED MODELS)

- Mechanical drum brake for added safety
- Easy access with dust-free covers
- Factory-tested and installed brake mechanism



RADIO REMOTE CONTROLLER

- Wireless radio remote for areas where the operator can't move with the crane
- IP65 protection for radio remote pendants



ROPE TENSION LOADCELL

- Rope tension load cell for load force measurement and overload protection
- IP66 protection class
- Easily clamped on live rope in existing condition

CARL STAHL CRAFTSMAN ENTERPRISES PRIVATE LIMITED.

134/4, Sangothipalayam Road, Arasur, Coimbatore-641 407, Tamil Nadu, India.
E-mail: sales@carlstahlcraftsman.com, Sales contact no: +91 63844 04095
Website: www.carlstahlcraftsman.com

