

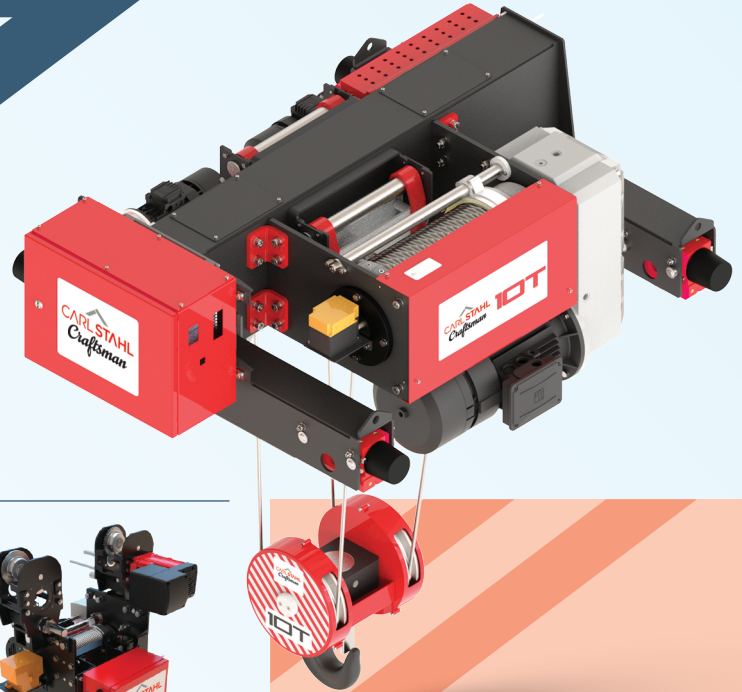
Powerful & Reliable Lifting

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.

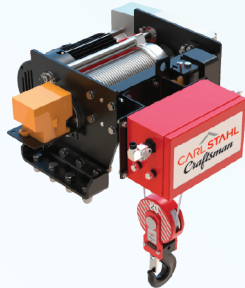


MODELS

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

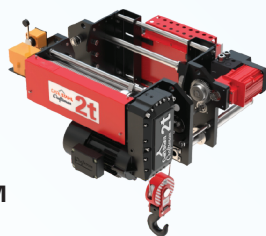


MODEL
CRU-R & CRU-S

SINGLE GIRDER MONORAIL

TYPE
LOW HEADROOM HOIST

CAPACITY
UPTO 15 tons



MODEL
CLH-R(SERIES)

DOUBLE GIRDER CRAB

TYPE
LOW HEADROOM HOIST

CAPACITY
5 – 25 tons

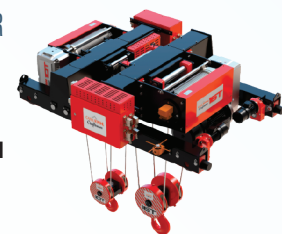


MODEL
CLHD-R(SERIES)

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

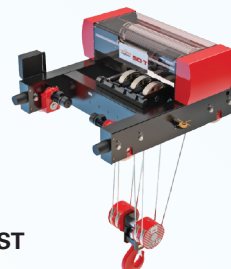


MODEL
CLHD

DOUBLE GIRDER CRAB

TYPE
HEAVY DUTY HOIST

CAPACITY
30 – 160 tons



MODEL
CR(SERIES)

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

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



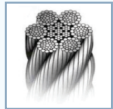
THRUST ROCKER

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



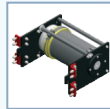
VARIABLE FREQUENCY DRIVE

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



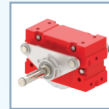
ROPE

- High-strength wire rope for fatigue and wear resistance
- Flexible steel core for prolonged life
- ISO 4308-1 compliant
- Tensile strength: 2160 N/mm²



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
- IE3 motors with IP55 enclosure and F-class insulation



CROSS TRAVEL- MONORAIL

- Mechanical CTWheel made up of C45 or SG 700/2
- Travel machinery designed for hoisting applications
- Direct drive for travel wheels
- Heavy-duty motor with brake and cooling fan



HOOK BLOCK

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

OPTIONAL ACCESSORIES



EMERGENCY FAIL SAFE BRAKE (ONLY FOR SELECTED MODELS)

- Fail-safe disc brake is a secondary brake provided on rope drum, its provided for additional safety
- CTWheel made up of C45 or SG 700/2



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



GRAVITY LIMIT SWITCHES (ONLY FOR SELECTED MODELS)

It is a hook operated limit switch, which operate if the rotary limit switch fails or pendant station damage or any circuit mal function in lifting, the gravity limit switch operated to provide an emergency stop by Safe torque relay (STO).

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

