



WIRE ROPE HOIST

LIFT & CONNECT SAFELY

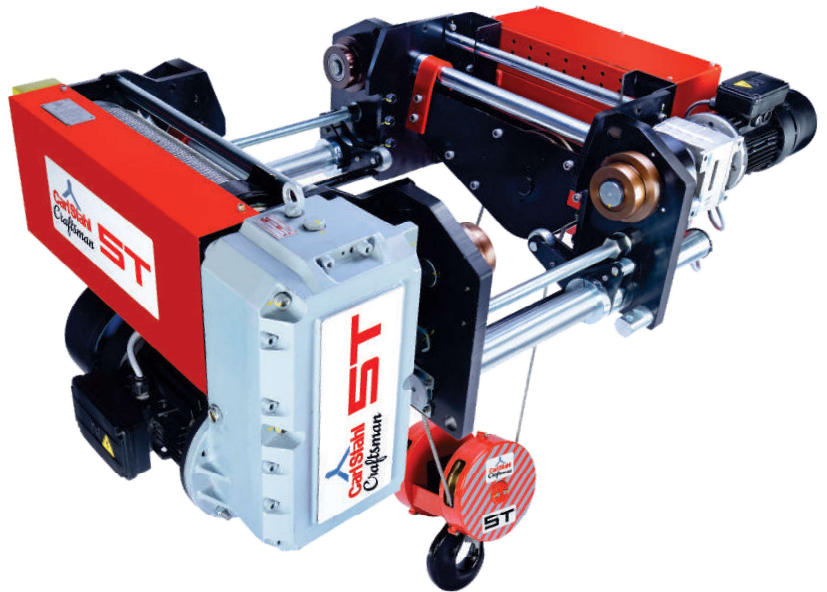
INTRODUCTION

Carl Stahl Craftsman Enterprises Private Limited is a joint venture company of Carl Stahl of Germany and Craftsman Automation Limited of India, commenced its operations in July 2007.

With the objective of using rich experience of Carl Stahl in material handling industry and strong manufacturing expertise of Craftsman Automation, the joint venture was formed to provide the end user a "Reliable, Effective, Efficient & Economic Lifting" solution.

We design, develop and manufacture, the complete product from start to its completion. Through constant research and development, we now offer one of the world's largest range of cranes for industrial application. We also offer quality service for the cranes we supply.

We provide complete lifting solutions to our customers at the best competitive pricing.



CRANE KITS

Crane kits are pre-engineered, complete crane component packages utilizing cutting edge technology including the innovative electric wire rope hoist and chain hoist. Variable frequency drives also supports on all motions for smooth starts and stops. Electrical cabling and bolted structural connections simplify assembly.

Our crane kits creates a new opportunity for crane manufacturers and users around the globe to complete orders efficiently and cost-effectively. Carl Stahl Craftsman crane kits saves you even more money when you want to do more of the work. You get the end carriages in parts form - wheels block, wheels, travel drives, and so forth.

We provide all machined parts, hoists, end carriages, electrification systems (all control panels fully wired) and all purchased components, except the structural steel shapes. We fully assemble wire and test the crane kits and deliver with high quality.

FACTS

- CE CERTIFIED
- OPTIMAL SPACE UTILIZATION
- HIGH SAFETY IN OPERATION
- GENTLE WORK
- LOW INSTALLATION AND MAINTENANCE
- COST EFFICIENT & ECONOMICAL OPERATION

Customer advisory services, planning, building the crane system, service and spare parts supply stay in your hands, in the vicinity of your customers. Our goal is a satisfied customer - not necessarily the sale of a new crane. Carl Stahl Craftsman will provide detailed engineering specifications to build the girder and crane assembly in total.

MODELS

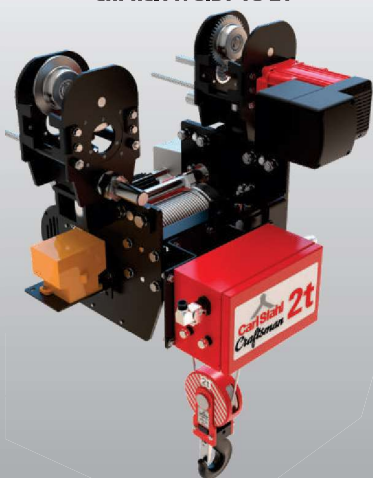


Carl Stahl Craftsman hoists are designed in various models to suit every customer's needs. We design and manufacture electric wire rope hoist which can run in monorail, underslung, double rail and in dual crab double rail.

You can choose the following models or we shall guide you to choose the right model for your application.

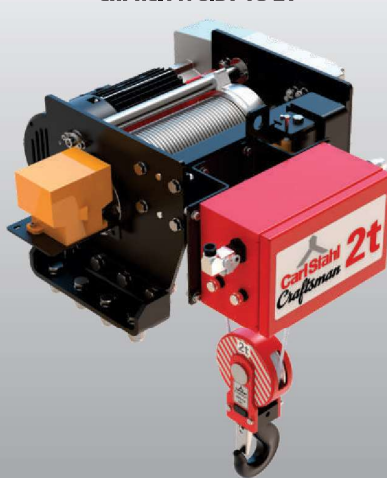
PRODUCT: UNDERSLUNG HOIST
TYPE: ARTICULATED & STRAIGHT TROLLEY
MODEL: CRU-A & CRU-S

CAPACITY: 0.5T TO 2T



PRODUCT: FIXED HOIST
TYPE: STATIONARY
MODEL: CRU-F

CAPACITY: 0.5T TO 2T



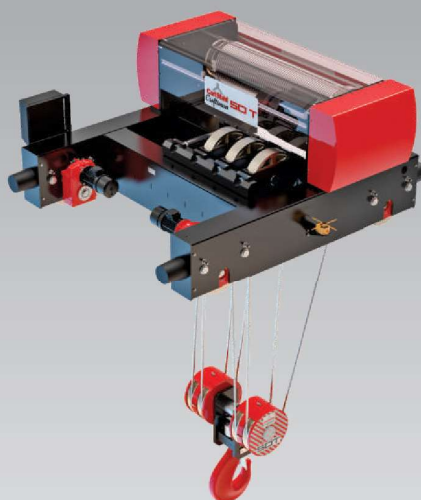
PRODUCT: SINGLE GIRDER MONORAIL
TYPE: LOW HEADROOM HOIST
MODEL: CLH-R (SERIES)

CAPACITY: 0.5T TO 10T



CAPACITY: 5T TO 16T

PRODUCT: DOUBLE GIRDER CRAB
TYPE: LOW HEADROOM HOIST
MODEL: CLHD-A (SERIES)



CAPACITY: 20T TO 50T

PRODUCT: DOUBLE GIRDER CRAB
TYPE: HEAVY DUTY HOIST
MODEL: CACR



CAPACITY: 10/5T, 16/7.5T & 16/10T

PRODUCT: DOUBLE GIRDER DOUBLE CRAB
TYPE: LOW HEADROOM HOIST
MODEL: CLHD

BASIC TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATION FOR WIRE ROPE HOIST		
DESCRIPTION	MONORAIL HOIST	CRAB HOIST
GIRDER	Single	Double Girder
REEVING	2/1, 4/1	2/1, 4/1, 6/1, 8/1
CT WHEEL DIAMETER (MM)	82, 100, 140	112, 125, 160, 200, 320, 400
TRACK GAUGE (MM)	-	1250, 1400, 1800, 2240
HEIGHT OF LIFT (M)	5-32	
LIFTING SPEED (M/MIN)	1-4, 1.2-4.7, 1.25-5... ; Frequency Controlled, 5/1.25, 10/2.5; Contactor Controlled	
CROSS TRAVEL SPEED (M/MIN)	5-20; Frequency Controlled 25/6; Contactor Controlled	
CLASS OF DUTY (FEM)	1Am, 2m, 3m, 4m & 5m	
ROPE DIAMETER	6, 6.5, 8, 10, 11, 14, 18, 22	
ROPE CONSTRUCTION	6x19S-IWRC, 6x36WS-IWRC, SKZ 8 P	
AMBIENT TEMP. (°C)	50°C Max	

TECHNICAL SPECIFICATION FOR WIRE ROPE HOIST		
DESCRIPTION	MONORAIL HOIST	CRAB HOIST
APPLICATION	Indoor	
LIFTING MOTOR	2-Pole & 4-Pole; Frequency Controlled 2/8-Pole; Contactor Controlled	
CT MOTOR	2-Pole & 4-Pole; Frequency Controlled 2/8-Pole; Contactor Controlled	2-Pole; Frequency Controlled
POWER SUPPLY	415Volts, 3 Phase, 50 Hz, AC Supply	
CONTROL SUPPLY	24 Volts , 50 Hz, DC Supply Frequency Controlled 48 Volts, 50 Hz, AC Supply Contactor Controlled	
THERMAL INSULATION CLASS	F-Class	
MOTOR ENCLOSURE	IP 54	
BRAKE TYPE	Electromagnetic Disc Brake - AC/DC	
RUNWAY BEAM	ISMB 100-600 (or) Plate (Width may vary)	
WHEELS	SG700/2 wheels of suitable diameter hardened to 200-250BHN	
ROPE DRUM	Seamless pipe rope drum grooved as per DIN 15061.	

TECHNICAL SPECIFICATION FOR WIRE ROPE HOIST		
DESCRIPTION	MONORAIL HOIST	CRAB HOIST
GEAR BOX	Helical gear, Oil splash lubricated, fully enclosed type with EN 353 Pinions and Gears Hardened. Make: Carlstahl Craftsman.	
HOOK	Single shank Swiveling type hook mounted on Anti-frictional thrust bearing as per DIN15400.	
BEARINGS	Anti-friction ball / roller bearings - Make: SKF/FAG/KOYO	
PAINTINGS	Powder coated with RAL 3020 Traffic Red, RAL 7040 Window Grey & RAL 9005 Black. All colours from RAL chart.	
SPECIAL FEATURES		
1. Rotary limit Switch for over travel with dual protection.		
2. Plug In Connectors for Motors and Input Supply.		
3. High Factor of Safety Gear Box.		
4. Over Load Protection - Mechanical with Disc Springs & Limit Switch.(Optional with Load Transducers). Via. VFD (For R-Series Only)		
5. Thrust Rocker for Self Weight Balance. (For R-Series Only)		
6. Additional safety with mechanical drum brake for protection against drive failures.(Optional)		

PRODUCT CODE

