



CRANES &  
COMPONENTS

**FEFCO**

CRANESYSTEMS PVT. LTD.



# ELECTRIC WIRE ROPE HOISTS

**FEFCO**  
CRANESYSTEMS PVT. LTD.

# ELECTRIC WIRE ROPE HOISTS

## FEATURES

Wide range -1T to 10T  
Seamless pipe for rope drum  
Compact and optimized design  
Low head room  
Manufactured as per IS : 3938 & 807  
Reliable electrical components  
Durability  
Adjustable mounting  
High tensile strength rope

## OPTIONAL

Variable speed control  
Radio remote control  
Best in class electrical panel  
Flame proof  
Disc brake  
Unconditional warranty  
Safety limit for upper/Lower travel



## APPLICATION

Construction site, Heavy Fabrication work,  
Manufacturing plant, Chemical plant,  
Warehouse, Steel plant

## ROPE DRUM AND GUIDE

Seamless pipes are used for drums. Hoist are equipped with rope guides.

## GEARBOX

Gearbox used in the crane are totally enclosed in dust proof construction. Alloy steel hobbled teeth helical spur gears are used with solid pinions running on ball/ roller bearing.

## CONTROL PANEL

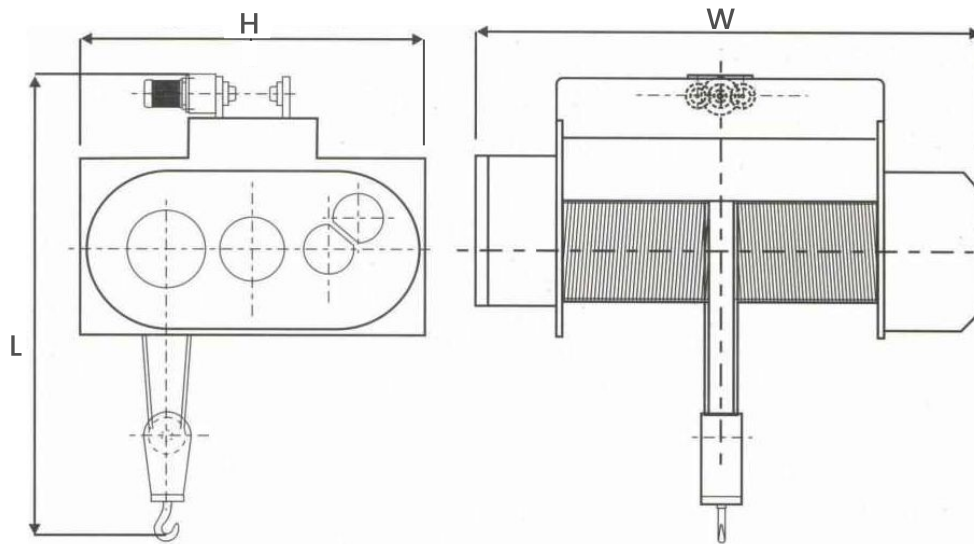
Control panels consists of standard make of heavy-duty contractors, overload relay, transformers and other associated equipments. All Hoists are suitable for three phases 415 V + -10%, 50Hz, AC Supply.

## BRAKES

Electromagnetic AC Disc shoe type spring loaded brakes are used for heavy duty operation. Brakes are mounted on the non-driving end of the motor and are easily accessible.







## TECHNICAL DATA

CAPACITY		0.5 T	1 T	1 T	2 T	2 T	3 T	5 T	7.5 T	10 T
NO OF FALL		2	2	4	2	4	4	4	4	4
WIRE ROPE DIA		8	8	6	10	8	10	12	14	16
HOIST	SPEED MPM	4	4	4	3.5	3.5	3.5	3.5	2.1	2.7
	HP	1.5	1.5	1.5	3	3	5	7.5	10	12.5
CT	SPEED MPM	16	16	16	14	14	14	14	14	12
	HP	0.25	0.25	0.25	0.5	0.5	0.5	0.75	0.75	1
LENGTH (L)		785	785	785	850	850	880	1130	1225	1300
WIDTH (W)		710	710	860	785	950	1050	1135	1400	1400
HEIGHT (H)		535	535	535	575	575	580	750	820	860

## TECHNICAL DATA (WITHOUT CT)

CAPACITY		0.5 T	1 T	1 T	2 T	2 T	3 T	5 T	7.5 T	10 T
NO OF FALL		2	2	4	2	4	4	4	4	4
WIRE ROPE DIA		8	8	6	10	8	10	12	14	16
HOIST	SPEED MPM	4	4	4	3.5	3.5	3.5	3.5	2.1	2.7
	HP	1.5	1.5	1.5	3	3	5	7.5	10	12.5
LENGTH (L)		770	770	770	805	800	850	1080	1200	1200
WIDTH (W)		710	710	860	785	950	1050	1135	1400	1400
HEIGHT (H)		400	400	400	405	405	405	535	620	620



# CRAB



A compact designed crab unit for the various load capacity range, with articulated end carriage joints ensuring positive contact of all four wheels with the track, with two direct drive cross travel motors. Load capacity range: 1t to 50t

Absolute reliability is one of the most important features for a wire rope hoist. To ensure the highest possible reliability levels in everyday operation, our crane systems are made to the most stringent quality standards. **FEFCO** electric wire rope hoists are produced using the most advanced technology available and continue to bear witness to their reliability, safety and durability year after year, from motor to rope, gearbox, brakes and electrical and electronic systems. Apart from quality, versatility is an outstanding feature of **FEFCO** electric wire rope hoists. These units cover an extremely wide load capacity range, from 1,000kg to 50 tonnes. And the comprehensive standard equipment means that even a standard **FEFCO** electric wire rope hoist is a versatile unit right from the start. Additional equipment is also available for special applications. Order an **FEFCO** electric wire rope hoist and you can be sure that you have opted for a top-quality material handling unit



# OVERHEAD CRANES



# SINGLE GIRDER CRANE



**FEFCO** Single Girder Cranes are designed and made in accordance with the duty classification as per IS-3177 and IS-4137. These EOT Cranes are known for providing cost-effective solutions due to their low dead weight. **FEFCO** Electric Overhead Cranes are designed and manufactured with adequate factor of safety in compliance with the IS-807. Moreover, these cranes provide greater floor coverage than any other type of cranes. Main features of this crane are main bridge girder, End carriages and hoisting unit either **FEFCO** electrically operated hoist or manual operated chain pulley block.

## SPECIFICATION

Capacity : Up to 20000 kgs.

Span Up to 30 mtrs.

Long Travel speed: Up To 30 mtrs/min

Cross Travel speed : Up To 15 mtrs/min.



# DOUBLE GIRDER CRANE



In sync with predefined quality standards, **FEFCO** manufacture, export and supply a wide range of Double Girder EOT Crane. **FEFCO** crane is manufactured using supreme quality components and sophisticated machinery under the vigilance of adroit experts in tandem with market set quality seeds. Offered crane can be customized in various specifications as per the requirement of the clients. Provided crane is highly appreciated as it can hold the object for more time as compared to other cranes.

## SPECIFICATION

### SPECIFICATION

Capacity : Up to 20000 kgs.

Span Up to 30 mtrs.

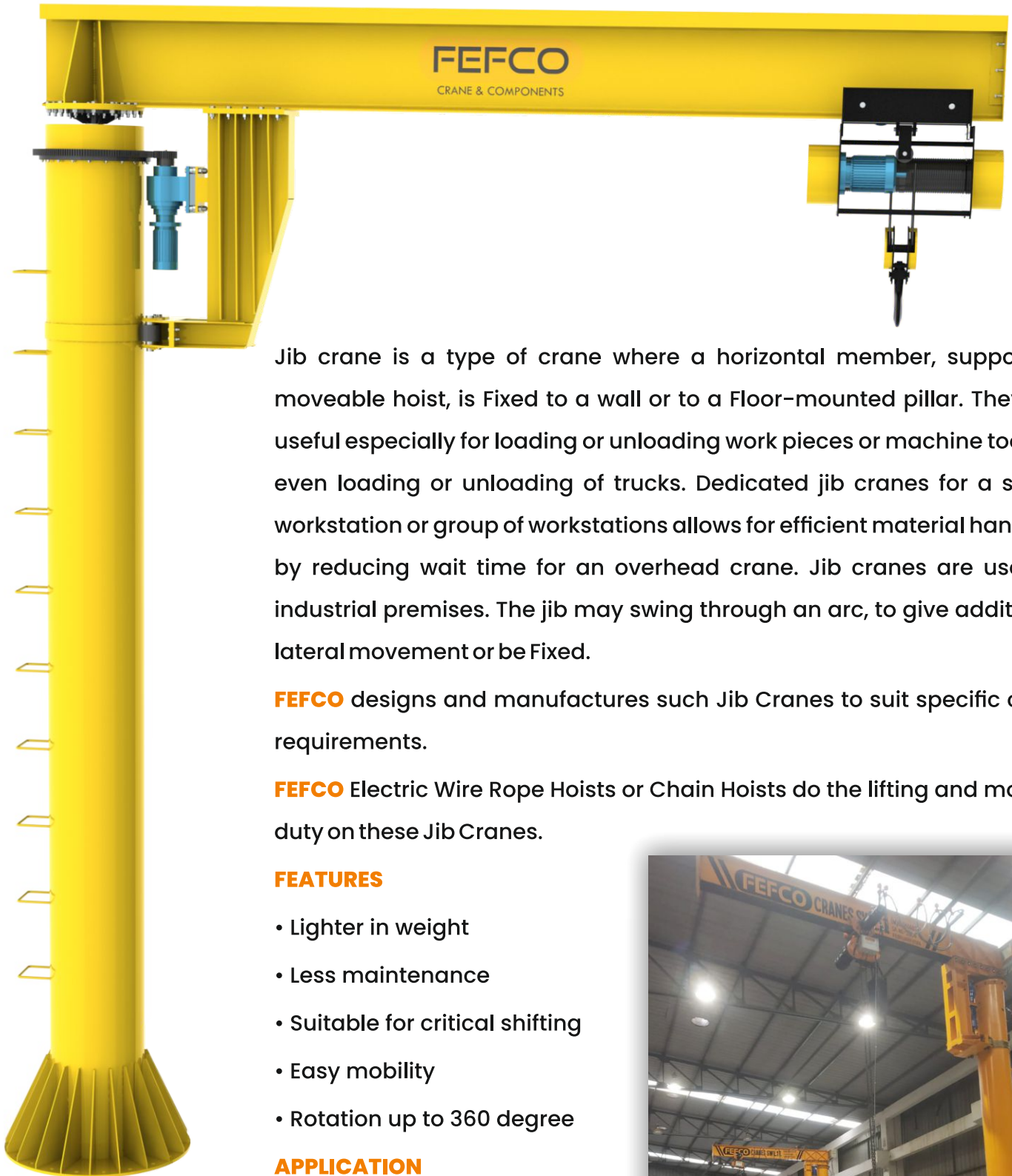
Long Travel speed: Up To 30 mtrs/min

Cross Travel speed : Up To 15 mtrs/min.





# JIB CRANE



Jib crane is a type of crane where a horizontal member, supporting moveable hoist, is Fixed to a wall or to a Floor-mounted pillar. They are useful especially for loading or unloading work pieces or machine tools or even loading or unloading of trucks. Dedicated jib cranes for a single workstation or group of workstations allows for efficient material handling by reducing wait time for an overhead crane. Jib cranes are used in industrial premises. The jib may swing through an arc, to give additional lateral movement or be Fixed.

**FEFCO** designs and manufactures such Jib Cranes to suit specific client requirements.

**FEFCO** Electric Wire Rope Hoists or Chain Hoists do the lifting and moving duty on these Jib Cranes.

## FEATURES

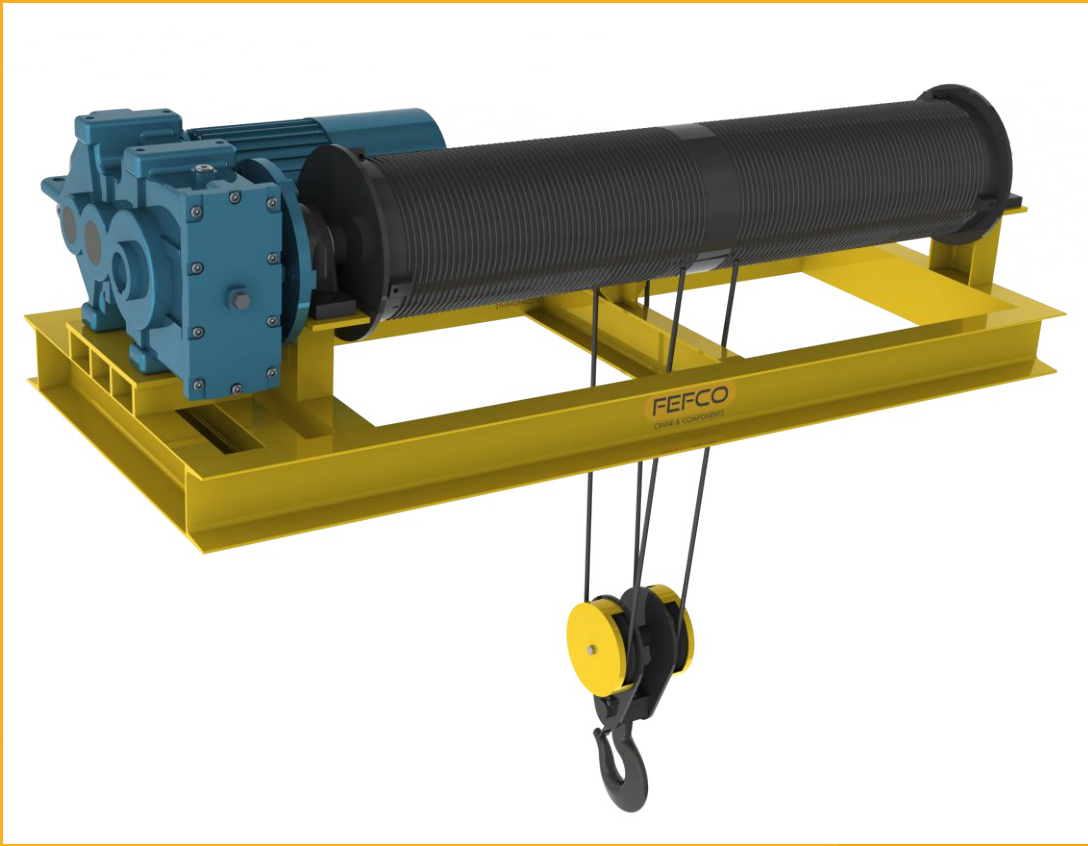
- Lighter in weight
- Less maintenance
- Suitable for critical shifting
- Easy mobility
- Rotation up to 360 degree

## APPLICATION

- Unloaders
- Building construction
- Repair shop
- Stock yard
- Tool rooms

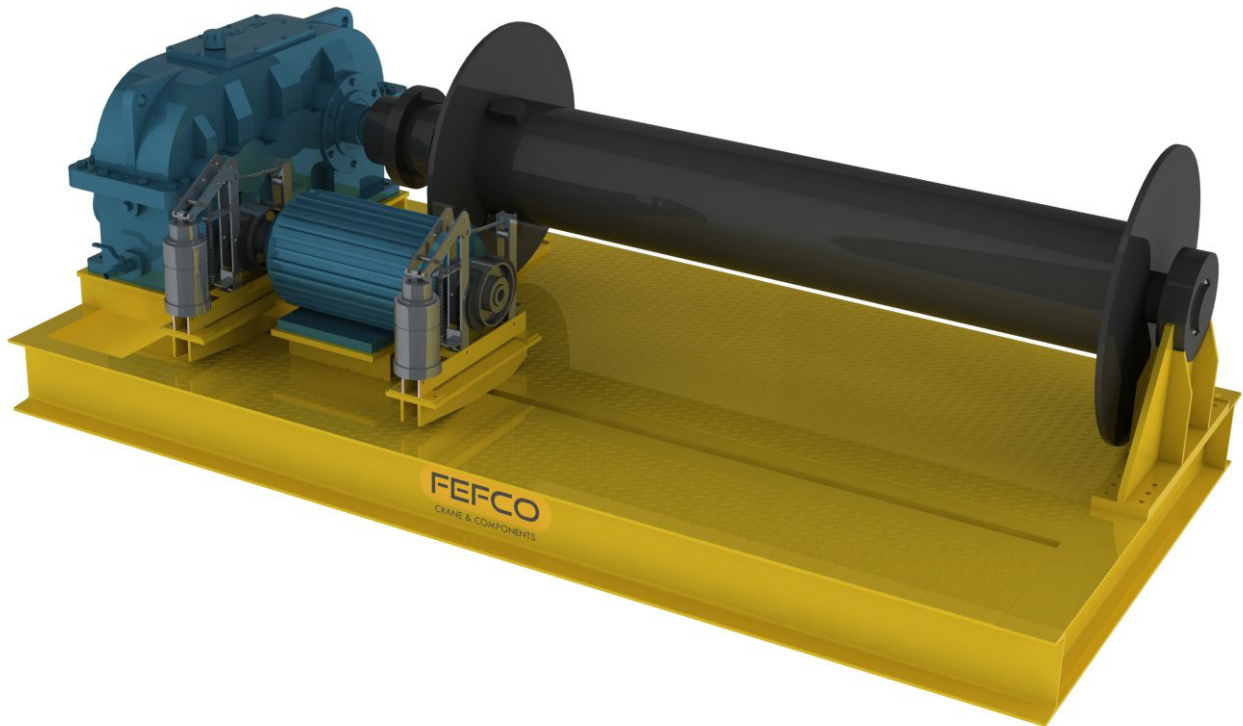


# ELECTRIC WINCH



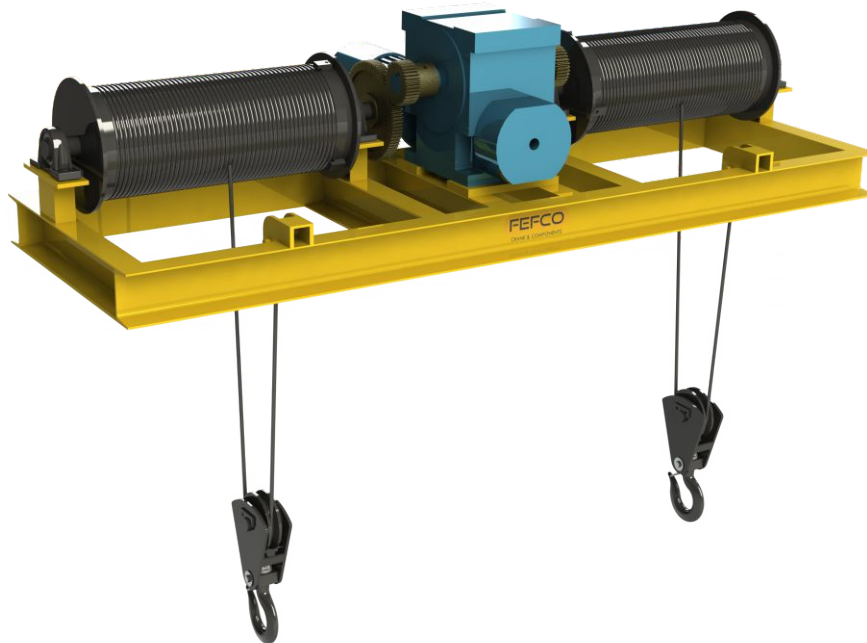
**FEFCO**  
CRANESYSTEMS PVT. LTD.

# ELECTRIC WINCH



- **FEFCO** Electric winch is for lifting and pulling operations in construction sites, mines, factories, Elevators and installation sites.
- **FEFCO** Electric winch is a reliable and cost-effective product, it is designed for many liftings and pulling applications. Powered by electricity, this type of winch provides convenient operation, excellent safety, and low operational cost.
- Our Winch Machine are made under strong quality control to ensure safety.
- If you are looking for an electric winch machine, just contact **FEFCO**. Our winch professionals are here, to help you choose the right winch for your application.





## FEATURES

- Electric Winch Machines are designed as per IS-9507-1979 and are suitable for heavy Duty applications.
- Seamless pipe is used for Rope drum
- Plain drum or Threaded drum available as per client requirement
- Single drum and Double drum winch available as per client requirement
- Single speed or Dual speed available as per client re-equipment.

## Range

- The rated load capacity ranges from 0.5t to 80 tons, and the working speed is in the range of 2-30m/min.
- Winding Capacity from 3 Meter to 1000 M
- Electromagnetic/Elector Hydraulic thruster, Double Shoe Type Brake and Hand Operated brake provided as per requirement.
- All Machines are tasted at 25% overload.
- Reputed make Panel is used as per client requirement.







# ELECTRIC CHAIN HOISTS

# ELECTRIC CHAIN HOISTS



**FEFCO** electric chain hoists are low headroom mechanisms with a compact construction, low headroom & low profile, quick installation, and low cost. **FEFCO** electric chain hoists include a single motor and dual hook hoist design that allows for simultaneous movement of two hooks, as well as well-balanced, high stability, and safety, making them ideal for handling items with two lifting points and goods and weights that require balance when raising.

## FEATURES

- Wide range –250 KG to 2000 KG
- Light weight
- Grade 80 Alloy load chain
- Anti-corrosive powder coated zinc plated parts
- Standard Electric motor with Magnetic Brake
- Compact and optimized design
- Chain sprocket type drive

## OPTION

- Single speed / Dual speed
- Single phase/ Dual phase
- Unconditional warranty

## HEAVY DUTY MOTOR

- Design for tough working conditions
- Temperature control system
- Special voltage available
- 3– phase model as a standard

## TROLLEY

- Reliable technique
- Mechanical interlocked
- Heavy-duty contactors

## SUSPENSION BRACKET

- The removable, hinged suspension bracket is designed for easy suspension and removal of the hoist

## FORGED CARBON STEEL HOOK

- Heavy duty hook latches are standard
- Bottom hook will swivel 360 degree
- Under excessive loads will open gradually and not fracture.

## BRAKE

- Disc type electro magnetic brake system for steady operation and long life
- Maximum safety
- New advance brake design
- Asbestos free brake lining with a long service life
- Unique availability
- Maintenance free

## SPECIFICATION

CATEGORY	AVAILABLE SPECS
BRAKE	Electromagnetic Brake with Double Side Brake Lining
CAPACITY RANGE	0.5 Ton to 10 Ton
CHAIN	BS EN 813-7
CHAIN CONTAINERS	Fabric, plastic or steel
CHAIN FALLS	Single chain fall or Double chain fall
CLASSIFICATION	FMS Class 1m, 2m, 3m, 4m
CONFIRMANCE	CE
CONTROL PENDANTS	Single/Dual Speed : 2-Button when emergency On/OFF
CONTROL VOLTAGE	48V, 50Hz, AC Supply
DUTY CYCLE	Single Speed - 60% ED Dual Speed - 42/20% ED
HOIST MOTOR CONTROL	Pole Changing

## CHAIN

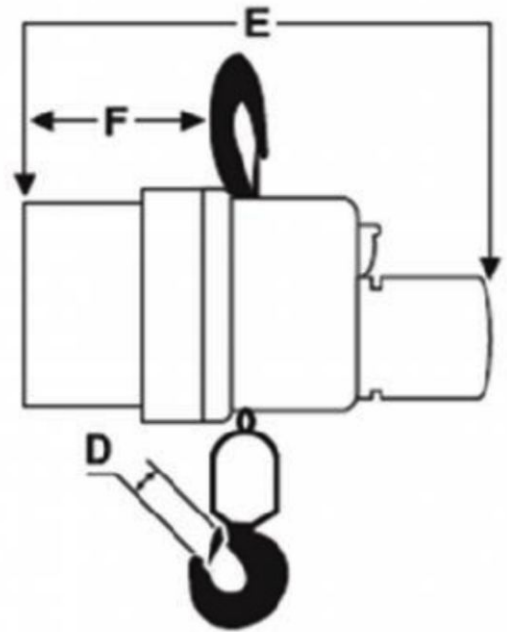
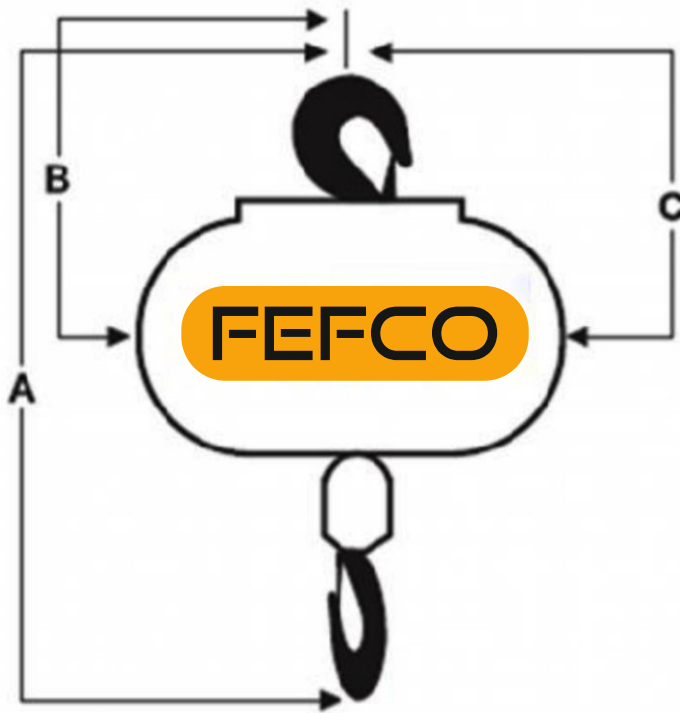
- High Strength, corrosion and wear resistant load chain
- Certified to ISO 9001—2015
- Uses unique technology to greatly increase resistance to fatigue and wear

## CHAIN WHEEL

- Made of hardened steel
- Deep groove pockets fully support the load chain during operation
- Reduces vibration and chain wear

CATEGORY	AVAILABLE SPECS
LIFTING SPEED	4/1, 5/1.25, 8/2, 10/2.5 m/min
MOUNTING	Hook, Lug or trolley
OPERATING CONDITIONS	10° to + 50° C
OVERLOAD PROTECTION	Slipping Clutch
POWER SUPPLY	3 Phase, 380 - 415 V, 50Hz
RATINGS	Hoist - IP55 Pendant - IP65
STANDARD LIFT	3 meters (longer lifts available)
STANDARD PENDANT DROP	1m less than lift (longer drops available)
TEMPERATURE CONTROL OF MOTORS	Thermistor
TRAVEL SPEED	25/6 m/min



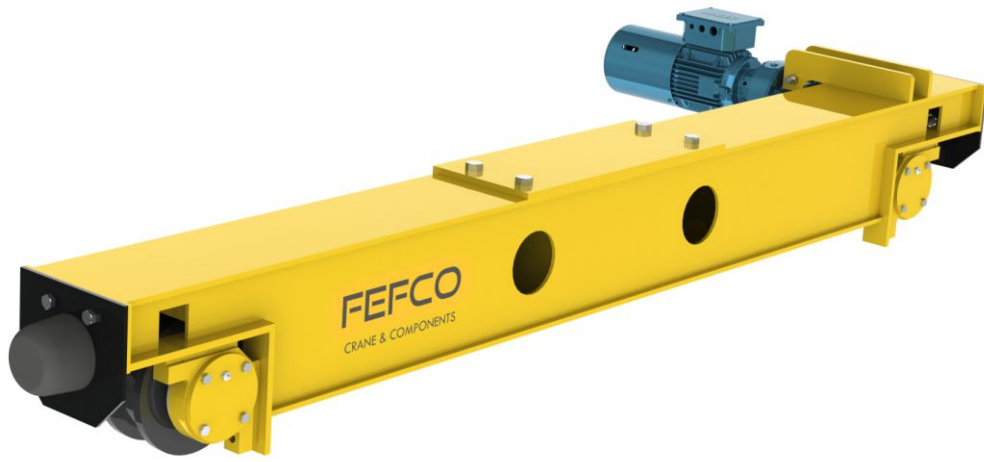


## TECHNICAL DATA

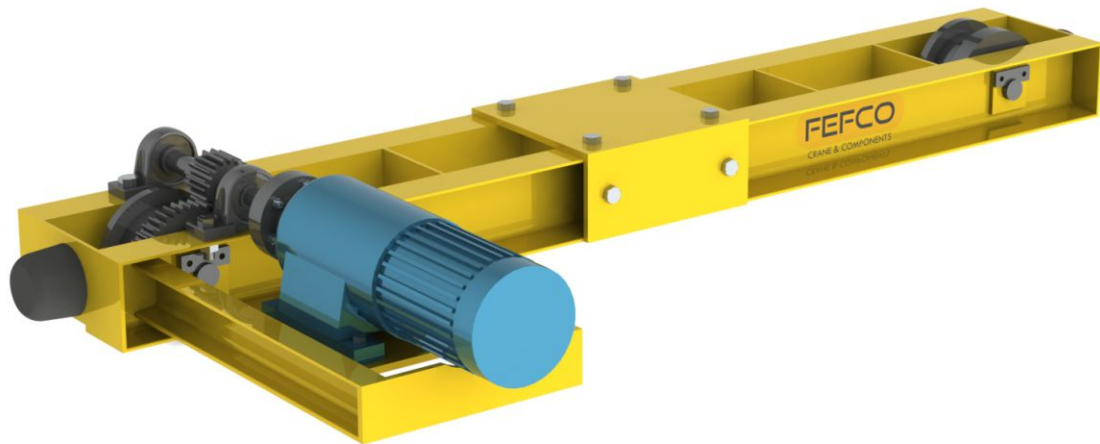
CAPACITY (MT)		0.5 MT	1 MT	2 MT	3 MT	5 MT	7.5 MT	10 MT
NO OF FALL		1	1	2	2	2	3	4
CHAIN DIA (MM)		8	8	9	9	12	12	12
HOIST	SPEED (MPM)	4.25	4.25	2.13	2.13	2.13	1.63	1.22
	HP	1	1	1	2	3	5	5
CT	SPEED (MPM)	10	10	10	8	10	12	12
	HP	0.25	0.25	0.25	0.5	1	1.5	1.5
WEIGHT (KGS)		40	53	60	100	125	170	200
CONTACTOR (AMP)		9	9	9	12	18	25	25
A (MM)		480	480	565	760	800	1000	1100
B (MM)		230	230	230	235	235	255	285
C (MM)		200	200	200	285	285	285	285
D (MM)		31	31	37	42	51	67	75
E (MM)		530	530	530	530	620	620	670
F (MM)		220	220	220	265	265	265	265



# END CARRIAGE AND WHEEL ASSEMBLY



# END CARRIAGE AND WHEEL ASSEMBLY



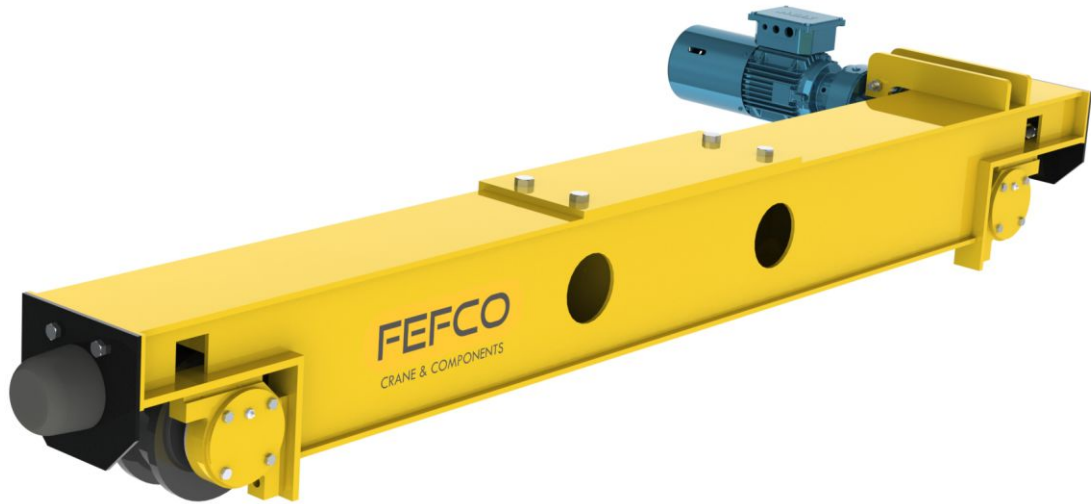
If your cranes require end carriages, wheel assembly, **FEFCO** Cranes & Components is ready to deliver. We design and build industry-leading end carriages, wheel assembly for cranes, gantries, and semi-gantry cranes.

Our supported and suspended end carriages, standardized wheel assembly are ideal for single-girder cranes, double-girder cranes, transfer carts and other industrial applications.

Powered by motor-gearboxes which are designed exclusively for use on cranes and lifting machinery. Also is possible to install commercial motor-gearboxes.

**FEFCO** Cranes & Components designs and manufactures end carriages for single and double girder cranes that offer gradual acceleration and smooth braking, with minimum noise. Our proven design of travel gear motors can be leverages on cross-travel and long-travel motions.



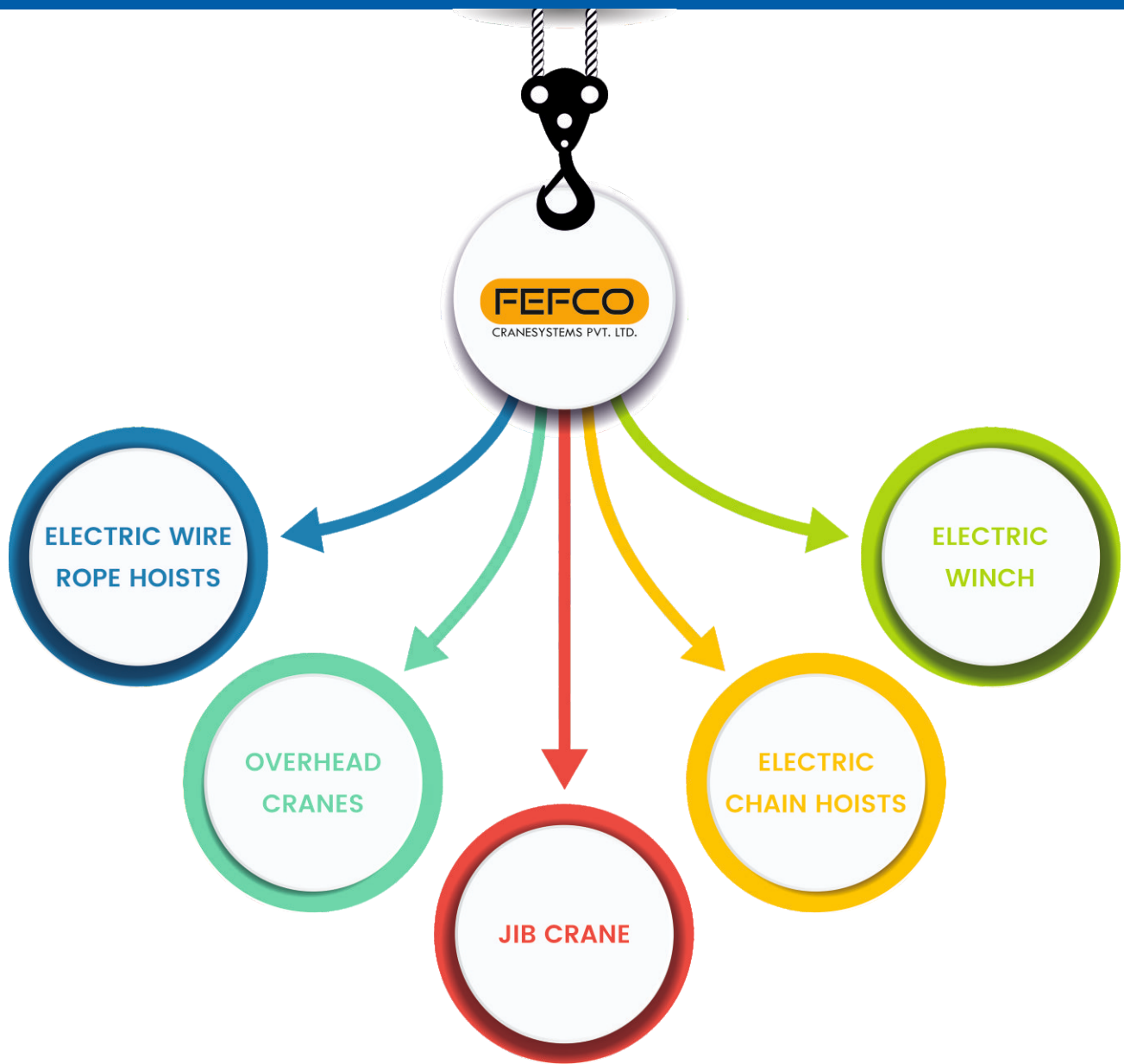



### Wheel Assembly

Our wheel assembly are ideal for gantry and semi-gantry cranes, and are available in a wide range of wheelbases, wheel channels and diameters to suit your unique requirements.

Wide range of diameters (D100, D125, D160, D250, D315, D400, D500, D630, D800), wheelbases, and wheel channels.





Presence in  
**+22** States | **+250** Sold Cranes | **+90**   
**+5000** Sold ELECTRIC WIRE ROPE HOISTS | **+7000** Sold ELECTRIC CHAIN HOISTS

**FEFCO**  
CRANESYSTEMS PVT. LTD.

**FEFCO CRANESYSTEMS PRIVATE LIMITED**



**Factory:**

Plot No 9, Bhumi Estate,  
Opp. Karmabhumi Estate,  
Bakrol,  
Ahmedabad-382210.

 +91 - 9725245524

 [info@fefco.in](mailto:info@fefco.in)

 [www.fefco.in](http://www.fefco.in)