

CATALOGUE



Henan Dafang Heavy Machinery Co., Ltd



Add: Changnao Industry Zone, Xinxiang City,
Henan Province, China
Email: info@hndfcrane.com
Tel: 0373-5818299
Web: www.hndfcrane.com/www.henandafang.com

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CATALOGUE INDEX

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Henan Dafang Heavy Machinery Co.,Ltd



Henan Dafang Heavy Machinery Co., Ltd. is a crane manufacturer with well-equipped testing equipment and strong technical force. Due to wide range products, good quality, reasonable prices, considerable services and stylish designs, our company has become one of the most competitive crane manufacture enterprises among crane industry.

Our main products are engineering equipment, including single-girder crane, double-girder crane, gantry crane, foundry crane, **upstroke moving carrier bridge girder launcher**, etc. Our company also undertakes projects of manufacturing heavy or light steel structure. Dafang Heavy Machinery have transformed

to a mature manufacturer with advanced technology.

The company covers an area of **850,000 square meters** with **230 million register capitals**, around **2000 workers** and the manufacture license has covered all types of cranes. The largest tonnage of crane that the company can manufactured is 300 tons QD model double-girder crane. We also have products **1600t bridge girder erection machine**. With its large plant area, complete production types, faster delivery speed and good cost performance, the company has become one of the most competitive crane manufacture enterprises in the domestic crane industry.

Single Girder Overhead Crane

Single Girder Overhead Crane with catenary and rope pulley blocks are optimal decision for cranes from easy A1 to middle A5 of operation, control from the floor.

Single girder overhead crane is widely used in plants, warehouse, material stocks to lift goods, It is prohibited to use the equipment in the combustible, explosive or corrosive environment.

1. Capacity: 1ton~20ton
2. Span length: 7.5m~28.5m
3. Traveling mechanism: CD/MD electric wire rope hoist





Steel Plate Uncoiler and Straightener



1500t 22.5m Pressure trough



Weld



CNC Cutting Machine



Reinforcing Plate Weld



Painting



Shot Blasting Processing



Submerged Arc Welding



Double Girder Overhead Crane

Double Girder Overhead Crane
sometimes also called bridge cranes and eot crane, which are cranes with a hoist or winch traveling along the bridge between parallel runways. They are designed to meet the medium to heavy industrial lifting requirements, covering all parts of the manufacturing process. Compared with single girder overhead crane, the double girder overhead crane can support bigger lift capacity, and more suitable for heavy work duty.

Mechanism Item			Lift Mechanism		Mechanism Item		Travel Mechanism	
			Main Lift Hook	Aux Lift Hook			Trolley	Crane
Lift Capacity	t		10	3.5	Gauge	mm	2000	20000
Lift Speed	m/min		10.4	19.7	Travel Speed	m/min	43.8	116.8
Work Duty			M6	M5	Work Group		M5	M6
Max Lift Height	m		16	18	Track	mm	2300	4050
Power			380V 3AC 60HZ					
Wire Rope	Work Tension	KN	17.4	8.26	Buffer Stroke	mm	60	140
Wheel Diameter	mm		Φ400x1500	Φ300x1500	Rail Type		24kg/m	43kg/m
Pulley Diameter	mm				Max Wheel Load	KN	35.25	135
Reducer	Type		ZQ500-3CA	ZQ400-3CA	Reducer	Type	ZSC-400-1-1	ZQ350-1/2
	Speed Ratio		40.17	23.34		Speed Ratio	22.4	12.64
Motor	Type		YZR 200L-6	YZR 160L-6	Motor	Type	YZR132M1-6	YZR160M2-6
	Power	kw	22	13		Power	KW	2x7.5
	Rotation Speed	r/min	964	942		Rotation Speed		892 940
Brake	Type		YWZ -300/45	YWZ 200/25	Brake	Type	YWZ-100/18	YWZ-200/25
	Brake Torture	N.m	2X630	200		Brake Torture	Nm	40 2x200
	Pusher Type		YT -45Z/5	YT1-25ZB/4		Pusher Type		YT1-18Z/2 YT1-25ZB/4
Limit Switch			DZX multifunctional switch of LX10-31		Limit Switch			LX10-11 LX10-11





1.QZ Grab Double Girder
Overhead Crane

2.QC Magnetic Double Girder
Overhead Crane

3.QDY and YZ Foundry and
Casting Overhead Crane

4.QB Explosion Proof
Overhead Crane

5.QE Double Trolley and
Double Girder Overhead
Crane



Single Girder Gantry Crane

Electric single beam gantry crane with hook is applied outside warehouse or railway sideways to do common lifting and unloading works, this kind of crane is composed of bridge, support legs, crane traveling organ, electric equipment, strong lifting winch, the frame adopts boxed-type welding mechanism, crane traveling mechanisms are operated in the driver cabin or remote control, Power is supplied by cable or slide wire.





Ground Beam



Pulley



Rail



Cabin



Slide Wire



Motor



Cable Drum



Remote Control



Reducer

Double Girder Gantry Crane

Double Girder Gantry Crane is of a box-shape structure, the girder is bias track double girder and the leg is divided into Type A and U according to use's requirements.

The colosed cab is employed for operation, where there are adjustable seat, insulating mat on the floor, toughened glass for the window, fore extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.





**30Ton+30Ton
Gantry Crane
From Manufacture to Delivery**



Bridge Girder Launcher

Bridge Girder Launcher is designed for highway and railway. According to the situation of present railway with less sub-grade, more bridges and tunnels which connected too closely, our company design and manufacture the new box girder bridge girder launcher with double girder. It is mainly used for hoisting (lifting) of concrete girder in bridge construction (bridge building) of general railway and highway.

YUGONG



Classify By Usage

Highway Bridge –erecting Crane
Bridge Girder Launcher for Tunnel
Bridge Erection Machine for Train

Classify By Type

Bridge Girder Launcher Integrating Carrying And Erecting
Upstroke Moving Carrier Bridge Girder Launcher
Segment Assembled Bridge Girder Launcher

Girder Lifter

Usage: To lift the finished heavy girder

Parameter: 1. Lift capacity:150t

2. Lift Height: 30m

3. Span: 40m

4. Lift Speed: Double

5. Travel Speed: Double

Features: 1. Lift mechanism: Hoist

2. Usually 2sets work together to lift girder

3. Some type also can transverse girder.

Girder Carrier

Usage: To transverse the girder on rail

Parameter: 1. Type: Six axle

2. Capacity: 400t

3. Wheels: 48

4. Travel direction: bothway

5. Travel Speed: 2~300

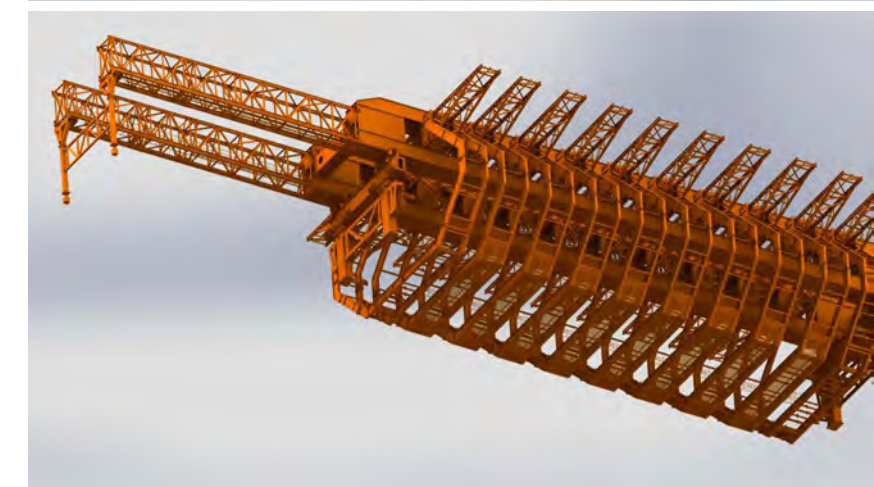
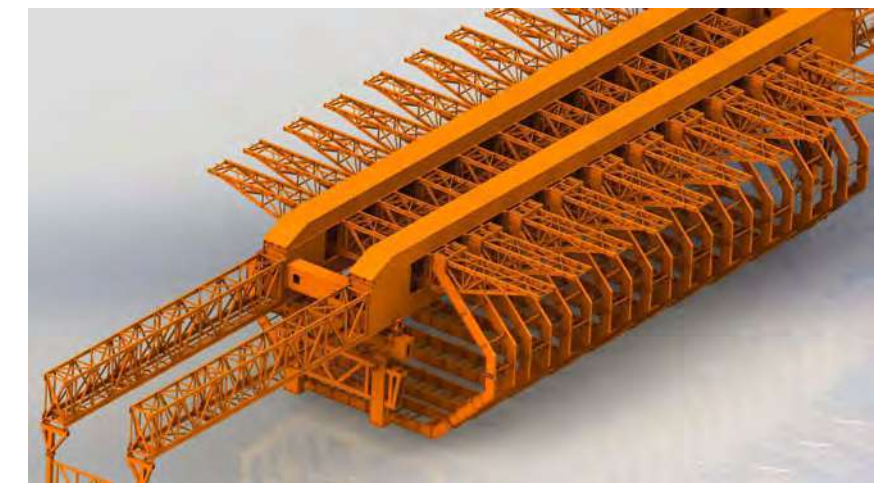
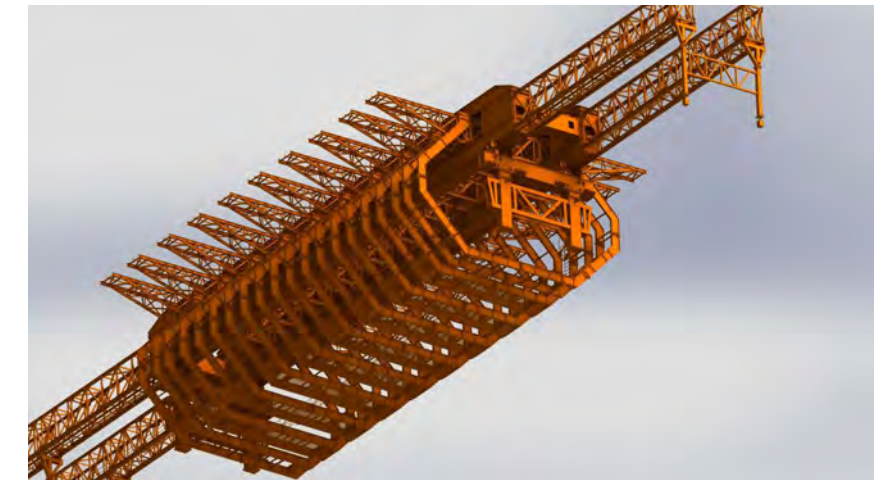
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Process of 1600ton Upstroke Moving Carrier Bridge Girder Launcher



JiB Crane

1. 360° rotation.
2. Allows for electrified, motor driven, powered rotation through various collector ring assemblies.
3. The boom or I-beam is designed to meet all specifications utilizing a 25% factor of rated load for impact and 15% of rated load for hoist and trolley weight.
4. The pipe mast or column is designed to give maximum strength and minimum deflection to resist bending, buckling, and crushing as well as wear by the trunnion roller assembly.
5. The top bearing assembly utilizes a Timken tapered roller bearing provided with a grease fitting for proper lubrication.
6. The bearings are designed for a 5000 hour, B-10 design life.



Column Mounted Jib Crane

This floor mounted slewing jib crane is designed for heavy lifting, able to rotate 360 degrees. Used indoors or outdoors for production lines, depatch areas or general workshop applications.

1. Model Capacity Range: 0.5 ton to 10 ton
2. Outreach Range: 2m to 12m
3. Maximum Slew: 360 degrees



Wall Mounted Jib Crane

These mount easily to any substantial structural steel building column, at any desired height. The crane has a structural steel finish, in highly visible yellow enamel.

1. Duty group: Class C (intermediate)
2. Lifting capacity: 0.25-16t
3. Lifting height: 5-6m
4. Valid radius: 4-5m



Wall Travelling Jib Crane

These are useful where overhead cranes are not practical or feasible. They offer 360 degree floor coverage, allowing unrestricted placement of machinery and equipment.

1. Duty group: Class C (intermediate)
2. Lifting height: 6-30m
3. Max validity cantilever: 5-30m



Electric Hoist

As a kind of small-lifting equipment, Wire Rope Electric Hoist can be mounted on single girder, bridge, gantry and jib cranes.

1. Wire rope hoist is with advantages of compact structure, light dead weight, small volume, widely common use, convenient operation and easy maintenance, etc.

2. With slight modification, mini electric wire rope hoist can also be used as a winch.

3. Wire rope hoist is widely used in factories, mines, warehouses, cargo storage areas and shops, very important in raising working efficiency and improving working conditions.





Cd1 Single Speed Wire Rope Electric Hoist



Low Headroom Wire Rope Electric Hoist



MD Dual Speed Hoist



Electric Chain Hoist



Low Headroom Wire Rope Electric Hoist



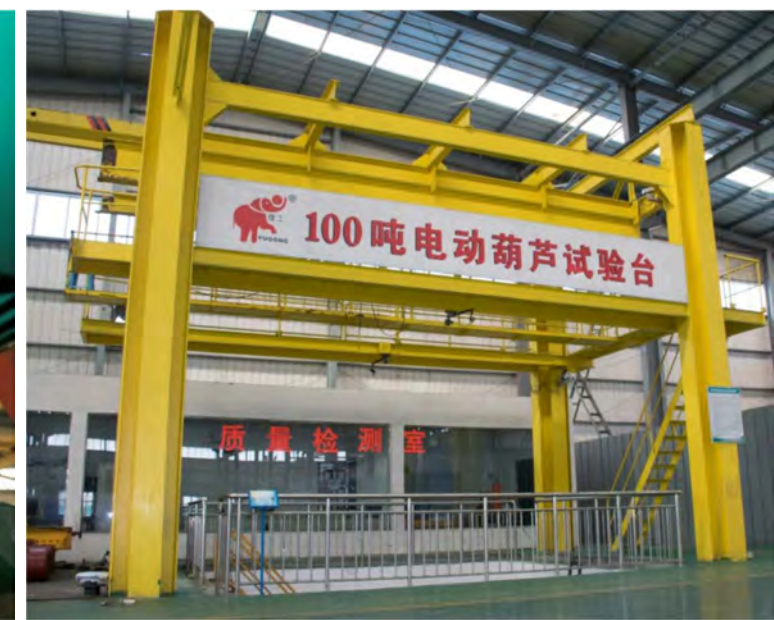
Explosion Proof Electric Hoist



Hoist Winch



QD Electric Winch



Grab Bucket

Grab bucket are designed as per, volume of material to be lifted and its cycle time of delivering the raw material to other line. Grab buckets are required in the cement, sugar industry and various other industries for the applications and handing of bulk raw material to feed the supplies.

The grab buckets are offered with EOT cranes as well for various industrial applications.



Transfer Car

The transfer machine is designed for transporting heavy cargoes or equipment from one bay to another in factory. It can be used indoor or outdoor. The fields include metallurgy, foundry, new factory construction and shipbuilding and so on. With different styles and standard capacities up to 300 tons, we have the solution you need and each style can be designed for your specific application.

1. Steel Laddle Transfer Car
2. turning rail transfer carts
3. Turnplate rail transfer cart
4. Vacuum furnace using ferry transfer cart

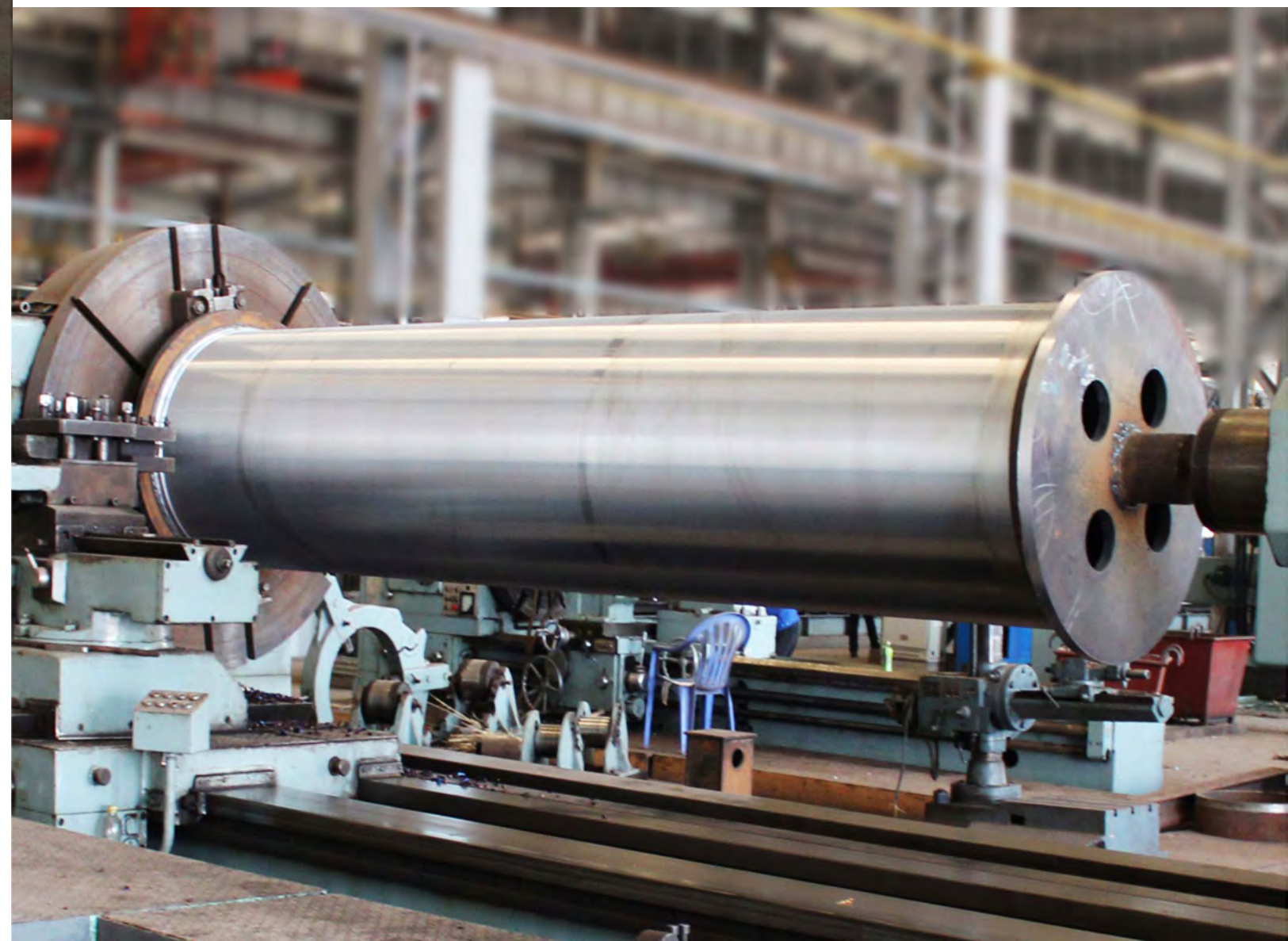
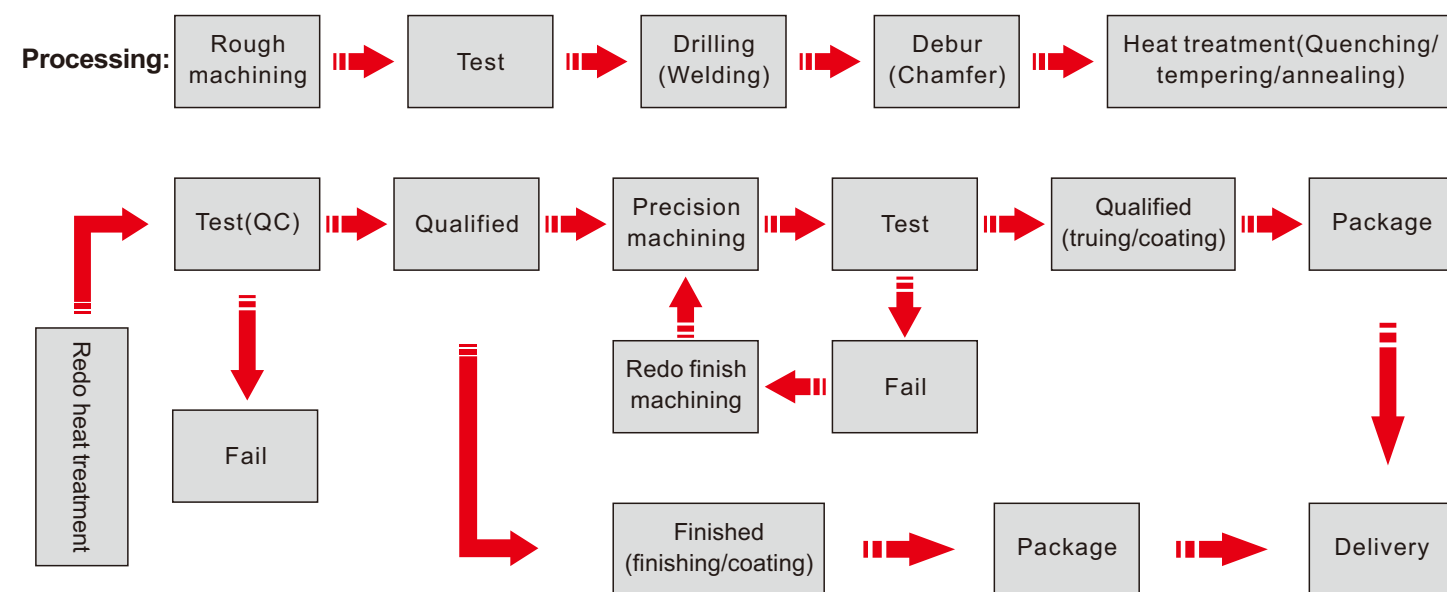


Crane Drum

1. Material: Q235 ,Q345 ,45#
2. Heat treatment :hardening and tempering,high frequency quenching, carburizing quenching and so on
3. Groove surface quench: HRC45-55
4. Groove surface quench depth: $\geq 2\text{mm}$
5. Max processing diameter: 2,000mm
6. Inspection:all items are checked and tested thoroughly during every working procedure and after the product is finally manufactured to ensure that best quality product goes out in the market.



Crane Wheels



Crane Hook

Safety operation crane hook blocks 200t is one of the most suitable slings in hoisting. It is connected with pulleys to hang on the wire rope of lifting mechanism. And the hook is the most widely usage when lifting cargos. It is made easily and operated practically. Hooks can be classified into single hook and double hooks according to the appearance; forged hooks and strapped hooks according to production method.

Field of Application:

Single hook is easy to produce and use, but its load carrying is not good, so most of time, it is only used at the low capacity working site(less than 80T). When the capacity is large, double hook with symmetrical load carrying will be used.



Electric Magnet

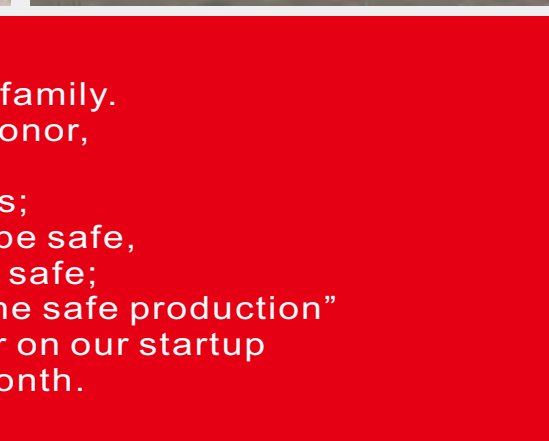
Electric magnet is used for load and unload metallic materials and used in metallurgy and mechanism factory to load and unload metallic materials such as steel plate, scrap iron, and so on.

1. Lifting material: cast ingot, steel scraps, steel ball, steel billets;
2. Wide use in steel plants, melting plant, waste warehouse, billet processing workshop;
3. High working efficiency, safe and reliable operation;
4. Strong absorption force, perfect performance, low maintenance;
5. Magnetic retentive is 10~20 minutes after power failure.





"I am one of Dafang big family.
For responsibility and honor,
I swear that safety need
everybody's carefulness;
we need safety, we will be safe,
we can be safe, we love safe;
Try our best to ensure the safe production"
This is the stately swear on our startup
meeting of the safety month.



Sales Service Network



Asia India; Indonesia; Malaysia;Philippines;Singapor;Tailand;UAE;

Kazakhstan;Iraq;Qatar etc.

Europe Netherlands;Russia; Ukraine;Germany;England etc.

South America Nicaragua;Peru;Brazil; Columbia; Bolivia; Argent; Ecuador etc.

North America America; Mexico; Cannada.

Africa Nigeria; Tanzania;South Africa; Algeria; Kenya; Egypt; etc.

Oceania Australia; New Zealand etc.



Certificate