

# SEVENCRAANE

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# Crane Spare Parts



## Company profile

SEVENCRANE (Henan Seven Industry Co., Ltd) offers our customers with reliable, safe and high-performance solutions for industrial cranes, crane components and drives. SEVENCRANE serves a wide range of industries including machinery, metallurgy, power industry, railways, water conservancy, ports, mines, coal, petroleum, chemical industries, etc.

SEVENCRANE stands for first-rate service, cost-effective, high quality. Based on our brand commitment, we provide butler-style services to our customers at all stages, and fully consider the solutions for the purchase, production, transportation, installation and after-sale process of cranes.

Our customers appreciate our reliability and professionalism. Our sales staffs are trained in professional crane knowledge and customers can communicate with them on technical issues directly.

### Values and vision

**SEVENCRANE is committed to the highest efficiency, best results and best service. Choose SEVENCRANE to give you peace of mind and focus on your business.**

**Our core values: First class service—Safety—Efficient—Reliable**

*" Tell sevenscrane your needs and leave the rest to us. "*

### Business area

Spare parts and service	Industrial cranes
SEVENCRANE provides components and maintenance services for all types of cranes to help customers increase productivity and perform crane maintenance or assembly.	SEVENCRANE serves a wide range of industries including machinery, metallurgy, power industry, railways, water conservancy, ports, mines, coal, petroleum, chemical industries, etc. We offer cranes, solutions of crane and material handling solutions to a wide range of customers.
Product: SEVENCRANE can provide: Rail system, Bus bar, Remote control, Wire rope, All kinds of hook block, Wheels, Couplings, Drums, Buffers, End carriage, Pulley, Grab buckets, Crane magnet. We also provide crane system design, crane installation and training for our customers, and have perfect after-sales service.	Product: SEVENCRANE provide customers in various industries: Gantry crane, Bridge crane, Jib crane, Electric hoist, Winch, European type crane.



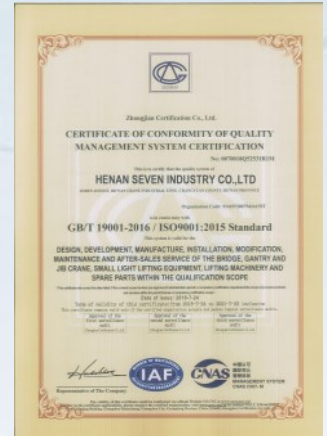
# Qualification Certificate



IOS certificate occupational and health



ISO certificate environment



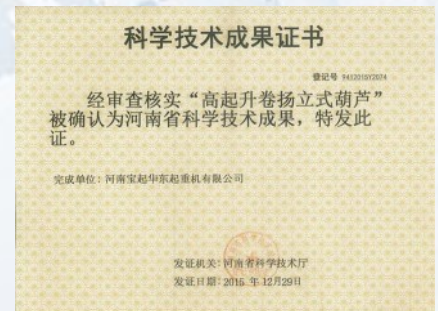
ISO certificate quality



Special equipment manufacturing certificate



China heavy machinery industry association-Membership certificate



Certificate of scientific and technological achievements



Safety mark certificate for mineral products



Abide by the contract honor enterprise



Safety production license

## Grab bucket

### Overview

Grab bucket is a kind of special tool used in the crane to grab bulk cargo. Grab operation does not need heavy manual labor, and can achieve high loading and unloading efficiency and ensure safety.

Sevencrane grab bucket is mainly used for the loading and unloading of logs, minerals, coal, sand and gravel materials, earth and stone, scrap iron, pig iron and other irregular bulk cargo, suitable for steel mills, waste incineration treatment, port, docks, railway transit, mines and other occasions.

### Specification

1. Working duty:A3-A8
2. Volume:0.3-56m<sup>3</sup>
3. Grab weight:1-37.75t

### Types of Sevencrane grab bucket

According to the shape: Clamshell grab /Orange peel grab bucket

According to the driving mode: Hydraulic grab /Mechanical grab

According to the size of the grab bucket, grab capacity: Light/Medium/Heavy/Extra heavy crane

### Advantages

- High quality materials, wear resistance and corrosion resistance, long service life
- Mature production and processing technology, safe and reliable





# Electromagnetic chuck

## Overview

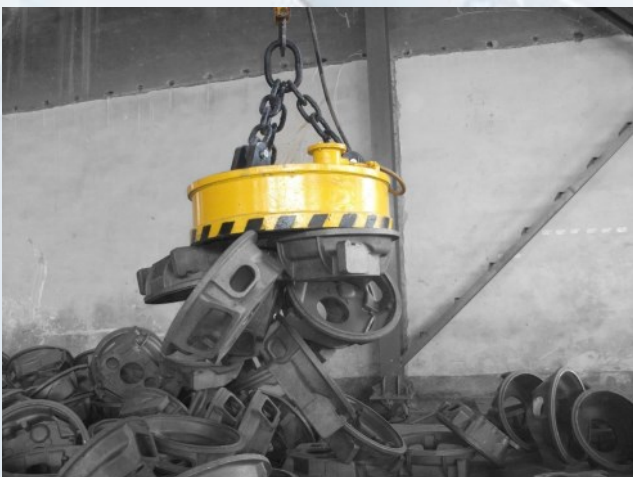
Lifting electromagnetic chucks, also known as lifting electromagnets and electromagnetic hoist, are mainly used for lifting magnetic materials such as steel in metallurgy, mining, machinery, transportation and other industries. Also used as an electromagnetic manipulator, to clamp magnetic materials such as steel, suitable for handling cast iron ingots, steel balls and various scrap steel. The excitation mode can be: constant voltage mode, strong excitation mode and over excitation mode.

## Specification

1. Lifting capacity: Steel ball (1.2t-39t)/Casting ingot (0.13t-8.35t)/turnings (0.065t-5.25t)
2. Cold-state power: 2.6KW-41.6KW
3. we can make products according to customer requirements.

## Advantages

- It adopts fully enclosed structure and has good moisture resistance.
- Optimized by computer, the structure is reasonable, and the energy consumption is low.
- The excitation coil is treated by special process to improve the electrical and mechanical properties of the coil. The insulation material has a heat resistance grade of C and a long service life.
- Different structures and parameters are adopted for different items to be sucked, which can widely meet user requirements.
- The high-temperature electromagnet adopts a unique heat insulation method, the sucked material temperature from former 600 °C to present 700 °C, expanding the applicable scope of the electromagnet.
- Easy installation, operation and maintenance.



# Hook

## Overview

Lifting hook is the one kind of most common type of lifting device. Crane hooks are the very key part in any lifting machines which almost bear all the weight of loads. In Sevenscrane, crane hooks production is strictly according to the technology requirements, quality material, proper forging, machining and heat treatment.

## Specification

1. Capability: up to 500 tons
2. Material: High quality carbon steel and alloy steel and custom required material
3. Standards: can provide DIN standard crane hook

## Advantages

- With solid parts, the quality is guaranteed
- Compact structure, light weight and small size
- Made of high quality materials, not easy to deform, not easy to break





# Crane wheels

## Overview

Crane wheels is a kind of device used to support cranes and loads and to cause the crane to travel back and forth on the track, also known as sky wheels, crane wheels, wheel forgings, forged steel wheels, etc. Crane wheels is one of classification of forgings, mainly used in gantry cranes, port cranes, bridge cranes, mining machinery, etc., ZG430-640 cast steel is generally used on crane wheels. In order to improve the wear resistance and life of the wheel surface, the tread should be surface heat treated. The surface hardness is required to be HB300-350, and the quenching depth is not less than 20mm.

The crane wheel can be divided into three types, double edge wheels, single edge wheels and no edge wheels according to the edge form. The role of the edge is to guide and prevent the car body from derailment.

## Specification

1. Type of production: double edge wheels, single edge wheels, no edge wheels
2. Materials: Cast steel/forged steel
3. Double edges driving and driven cast steel/forged steel wheel group:  
 $\phi 400 \times 130$ ,  $\phi 500 \times 130$ ,  $\phi 500 \times 150$ ,  $\phi 600 \times 150$ ,  $\phi 600 \times 160$ ,  $\phi 600 \times 180$ ,  $\phi 700 \times 150$ ,  $\phi 700 \times 180$ ,  $\phi 710 \times 180$ ,  $\phi 700 \times 200$ ,  $\phi 800 \times 160$ ,  $\phi 800 \times 200$

## Advantages

- Sevenscrane wheels are modular in design, capable of mass production, fast delivery, and can be customized to customer requirements.
- Our wheels are made of high-quality materials, and the production process is supervised and has a long service life.





# End carriage

## Overview

The end carriage is the thing that supports the crane. Wheels are placed at both ends of the end carriage to support the bridge to run on the overhead. The main beam is welded with rails for the hoist trolley to run. Our crane end carriages are available in a variety of designs with multiple options and reliable operation. Our end carriages are mainly composed of anti-twisted box profiles and travel units. They can adapt to various load capacities and are safe and can be customized according to customer requirements.

## Specification

Capacity (t)	Length							
	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
0.5~2	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
3	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
5	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
10	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
16	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
20	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
25	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
32	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m



**Spare parts**

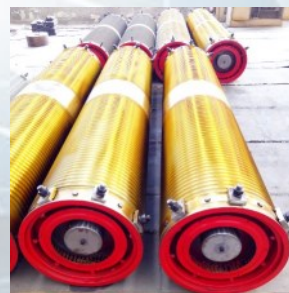
# Drums

## Overview

The rope drum is the component used to wrap the wire rope in the hoisting mechanism. The drum and the drum shaft, the flanged inner ring gear, the drum hub, the bearing and the bearing housing form a rope drum. Rope drum is usually made of cast iron. However, on special occasions or based on your special requirements, crane rope drum can directly weld with cast steel or steel plate.

## Specification

specification	lifting capacity	pulley ratio	screw pitch (mm)	lifting height (m)	Weight (kg)
φ300 x 1000	3.2T	1	14	27	264
φ300 x 1500	3.2T	2	14	22	344
φ400 x 1000	5T	2	16	15	340
φ400 x 1500	5T	1	22	22	492
φ400 x 1500	10T	3	16	16	456
φ400 x 2000	5T	2	16	36	564
φ400 x 2000	10T	3	16	23	564
φ500 x 1500	15T	3	20	16	788
φ500 x 1500	20T	4	20	12	788
φ500 x 2000	15T	3	20	22	972
φ500 x 2000	20T	4	20	16	972
φ500 x 1500	10T	1	28	27	908
φ500 x 2500	20T	4	20	22	1164
φ500 x 3000	15T	3	20	36	1326
φ500 x 3000	20T	4	20	27	1326
φ650 x 2000	32T	4	24	17	1500
φ650 x 2500	32T	4	24	23	1777
φ650 x 3000	32T	4	24	28	2154
φ800 x 2000	50T	5	28	14	2532
φ800 x 2500	50T	5	28	18	2821
φ800 x 3000	50T	5	28	23	3370
φ800 x 3340	75T	5	32	20	4094
φ800 x 3340	75T	5	32	23	3394
φ1000 x 2000	50T	5	28	18	2589
φ1000 x 2500	50T	5	28	22	3038
φ1000 x 3000	50T	5	28	28	3479
φ1000 x 3670	100T	6	36	22	9141





## Pulley group

### Overview

The pulley block is an important part of the lifting machinery. It can save labor and change the direction of force action.

The pulleys are divided into cast iron pulleys, cast steel pulleys, nylon pulleys and aluminum alloy pulleys according to their materials. The cast iron pulley is further divided into gray cast iron pulley and ductile iron pulley. The gray cast iron pulley has good process performance, small wear on the steel wire rope, but easy to break the rim, and the life is extremely short, which is mostly used in the lower working level; the ductile iron pulley has higher strength and impact toughness than the gray cast iron pulley, so it can be used for Among cranes with high working levels. Cast steel pulleys have higher strength and impact toughness, but the process is slightly worse. Due to the hard surface, the wire rope is seriously worn and used in working conditions with high working level. Large-sized pulleys are mostly welded pulleys. These pulleys are roughly the same as cast steel pulleys, but they are light in weight and can be reduced to about a quarter. At present, nylon pulleys and aluminum alloy pulleys have been widely used on cranes. The nylon pulleys are light and wear-resistant, but the rigidity is low; the aluminum alloy sliding wheels have low hardness and wear on the steel wire ropes.

### Specification

1. Capacity:0.5T-300T
2. Material: Ash iron/ cast steel/rolled iron Other



# Cabin

## Overview

The cabin which ensures the safe operation of drivers is an important part of lifting machinery. It is widely used in Packing crane, ship unloader, tire port gantry crane, floating crane, quayside container gantry crane, loader, metallurgical bridge crane, general bridge crane and tower crane and other lifting and transportation machinery.

## Specification

MODEL	Length (mm)	Width (mm)	High (mm)
SEQS-162	2300-2500	1700	2260
SEQS-600B	1500-1950	1950	2200
SEQS-823	1765-2500	1800	2250
SEQS-900	2000-2600	1950	2200
SEQS-841	2100-2400	1600	2300
SEQS-316	2470-3000	1800	2150
SEQS-261	1500-2000	1500	2100
SEQS-575	2500	1400	2200
60	1180-1800	-	2060
40	1050-1480	-	2060
1400*1600	2200	1400	2080

