

SEVENCRAANE

Henan Seven Industry Co.,Ltd

Address: Changyuan, Xinxiang City, Henan province, China.

Email: info@sevencrane.com

Tel: (00)86-371-55576206

Web: www.sevencrane.com

Henan Seven Industry Co.,Ltd

Single Girder Overhead Crane



SEVENCRA

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 sevencrane 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.

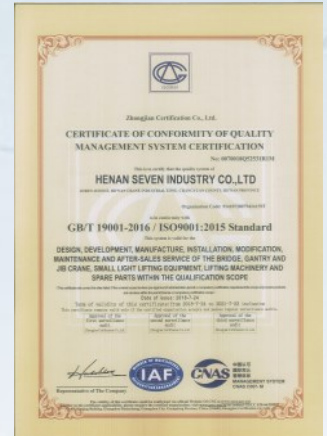
Qualification Certificate



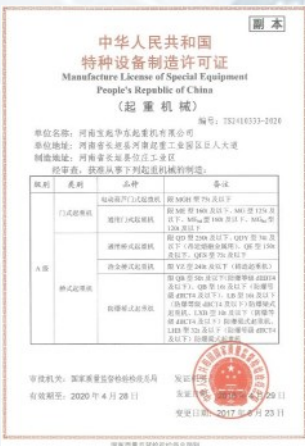
IOS certificate occupational and health



ISO certificate environment



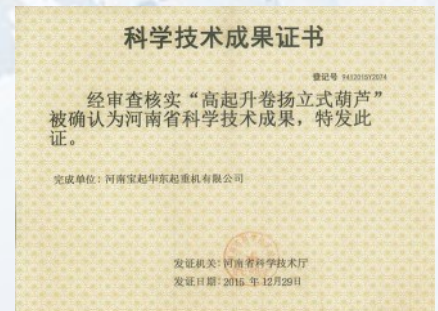
ISO certificate quality



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

Single girder overhead crane

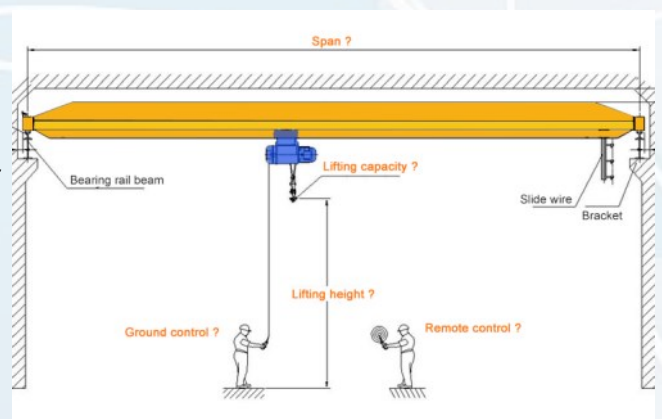


Overview

Single girder overhead crane is the most effective hoisting equipment used in plant or workshop, the beam is established on a rail way from above, so it's also called bridge crane, There is also a suspension in the roof of the plant, beam relies on the lower shelves of the track. Complete crane operation has six directions, respectively is lifting and falling, left and right and forward and backward, commonly used in these industries: Production of building materials, Logistics and warehousing, engineering, metallurgy, power industry, chemical industry, steel storage, open storage areas, cargo terminals etc.

Specification

1. Load capacity: 1~20t
2. Span: 4.5m~31.5m
3. Lifting height: 3m~30m or according to customer request
4. Power supply: Based on your power supply
5. Control method: pendant control, remote control (wireless radio control), cabin control.



Advantages

SEVENCRA single girder overhead crane apply measures as below to insure crane safety during operation:

- Overload limiter, for lifting safety
- Electromagnetic brake, quick response, up to 1000000 times braking lifespan.
- Limit switch for long traveling
- Welding quality inspection, guarantee load capacity of main girder and end beam/carriage.
- Thermal electromechanical protector
- Electrical protection system



SINGLE-GIRDER OVERHEAD CRANE



技术参数 Technical Data

起重机运行机构 Crane travelling mechanism	运行速度 m/min Working speed	20	30	(室room)45	(室room)60		
	速比 Speed ratio	58.95	39.42	26.51	19.44		
	电动机 Motor	型号 Type	锥形鼠笼 cone squirrel-cage		锥形绕线 cone winding thread		
		功率 Power kw	0.8×2	1.5×2	2.2×2	1.5×2	2.1×2
转速 n/min rotational speed		1380		1350			
起升机构 (电动葫芦) 及电动葫芦 运行机构 Lifting mechanism (electric hoist)& electric hoist travelling mechanism	电动葫芦型式 Model of electric hoist	MD _i 型 model		CD _i 型 model			
	起升速度 m/min Lifting speed	8/0.8	7/0.7	3.5/0.35	8	7	3.5
	起升高度 H(m) Lifting height	6 9 12 18 24 30					
	运行速度 m/min Travelling speed	20 30					
	电动机 Motor	锥形鼠笼型 cone squirrel-cage model					
工作级别 Working system	中级 intermediate Jc=25%						
电源 Power source	380V		50Hz	three-phase			
车轮直径 Wheel diameter	φ270		φ400				
轨道面宽 Width of trail	37-70						



起重量 Lifting capacity	跨度 Span	起重机总重 Crane total weight	最大轮压 Max.wheel load	最小轮压 Min.wheel load	基本尺寸(mm) Basle dimensions									
					地面操作 G (t) Ground controlling	Rmax (kN)	Rmin (kN)	踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook	端梁轮距 W (mm) End carriage wheel base	端梁总长 B(mm) Tota length of end carriage	吊钩左极限 C1(mm)Hook approach to limit position on the left	吊钩右极限 C2(mm)Hook approach to limit position on the right	
1	7.5	1.737	8.8	3.7	520	910	1500	2000	796	1274				
	8	1.791	9	3.8										
	8.5	1.84	9.1	3.9										
	9	1.9	9.3	4										
	9.5	2	9.4	4.2										
	10	2.1	9.5	4.3										
	10.5	2.15	9.7	4.4										
	11	2.17	9.9	4.5										
	11.5	2.19	9.9	4.6	520	910	2000	2500	796	1274				
	12	2.2	10	4.7										
	12.5	2.23	10.2	4.8										
	13	2.27	10.3	5										
	13.5	2.37	10.4	5.1										
	14	2.4	10.5	5.2										
	14.5	2.47	11	5.7										
	15	2.5	11.2	5.8										
	15.5	2.56	11.3	5.9	520	910	2000	2500	796	1274				
	16	2.6	11.4	6			2500				3000			
	16.5	2.66	11.6	6.2			550	970			2500	3000	796	1274
	17	2.7	11.7	6.3										
	17.5	2.97	12.2	6.8										
	18	3.05	12.4	6.9										
	18.5	3.1	12.5	7.1										
	19	3.17	12.6	7.2										
	19.5	3.23	12.8	7.3										
	20	3.35	13.3	7.8										
	20.5	3.42	13.4	8	600	970	3000	3500	796	1274				
	21	3.47	13.6	8.1										
	21.5	3.53	13.7	8.3										
	22	3.58	13.9	8.4										
	22.5	3.65	14	8.5										
	23	4.2	15.8	10.3										
23.5	4.27	16	10.5											
24	4.3	16.2	10.7											
24.5	4.39	16.4	10.8	650	990	3500	4000	796	1274					
25	4.46	16.5	11											
25.5	4.7	16.7	11.2											
26	4.97	18.3	12.8											
26.5	5	18.5	13											
27	5.1	18.7	13.2											
27.5	5.18	18.9	13.4											
28	5.24	19.1	13.6											
28.5	5.3	19.4	13.8	700	1005	4000	4500	796	1274					

起重量 Lifting capacity t	跨度 Span S(m)	起重机总重 Crane total weight G (t) Ground controlling	最大轮压 Max.wheel load Rmax (kN)	最小轮压 Min.wheel load Rmin (kN)	基本尺寸(mm) Basle dimensions					
					踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook	端梁轮距 W (mm) End carriage wheel base	端梁总长 B(mm) Tota length of end carriage	吊钩左极限 C1(mm)Hook approach to limit position on the left	吊钩右极限 C2(mm)Hook approach to limit position on the right
2	7.5	1.84	13.6	3.7	520	1080	1500	2000	796	1274
	8	1.89	13.8	3.9						
	8.5	1.94	14	4						
	9	1.99	14.1	4.1						
	9.5	2.04	14.3	4.2						
	10	2.09	14.5	4.3						
	10.5	2.14	14.6	4.4						
	11	2.18	14.8	4.5						
	11.5	2.23	15.2	4.9	520	1125	2000	2500	796	1274
	12	2.28	15.3	5						
	12.5	2.33	15.5	5.1						
	13	2.38	15.6	5.2						
	13.5	2.47	15.8	5.3						
	14	2.5	15.9	5.5						
	14.5	2.8	16.7	6.2						
	15	2.85	16.8	6.3						
	15.5	2.9	17	6.5	600	1140	2000	2500	796	1274
	16	2.96	17.1	6.6			2500	3000		
	16.5	3.02	17.3	6.7						
	17	3.08	17.5	6.9						
	17.5	3.63	18.8	8.2						
	18	3.74	19	8.4						
	18.5	3.81	19.2	8.5						
	19	3.88	19.3	8.7						
	19.5	3.95	19.5	8.9	700	1160	2500	3000	796	1274
	20	4.43	20.2	9.5						
	20.5	4.52	20.4	9.7						
	21	4.6	20.6	9.9						
21.5	4.68	20.8	10.1							
22	4.75	21	10.3							
22.5	4.84	21.2	10.5							
23	5.63	23.3	12.6							
23.5	5.72	23.5	12.8	800	1175	3000	3500	796	1274	
24	5.81	23.7	13							
24.5	5.9	24	13.2							
25	6	24.2	13.4							
25.5	6.26	24.4	13.7							
26	6.55	26.1	15.3							
26.5	6.64	26.4	15.6							
27	6.74	26.6	15.8							
27.5	6.83	26.9	16.1	850	1200	4000	4500	796	1274	
28	6.93	27.1	16.3							
28.5	7.02	27.4	16.6							



起重量 Lifting capacity	跨度 Span	起重机总重 Crane total weight	最大轮压 Max.wheel load	最小轮压 Min.wheel load	基本尺寸(mm) Basle dimensions					
					t	S(m)	(地面操作) G (t) Ground controlling	Rmax (kN)	Rmin (kN)	踏面至主梁顶 H1 (mm) wheel tread approach to top
3	7.5	1.98	18.6	4.1	550	1270	1500	2000	819	1291
	8	2.03	18.9	4.2						
	8.5	2.09	19.1	4.3						
	9	2.15	19.3	4.5						
	9.5	2.2	19.5	4.6						
	10	2.26	19.7	4.7						
	10.5	2.3	19.9	4.9						
	11	2.36	20.1	5						
	11.5	2.47	20.5	5.3						
	12	2.52	20.7	5.4						
	12.5	2.58	20.8	5.5	600	1270	2000	2500	819	1291
	13	2.63	21	5.7						
	13.5	2.73	21.2	5.8						
	14	2.79	21.4	5.9						
	14.5	3.26	22.6	7.2						
	15	3.32	22.8	7.3	700	1290	2000	2500	819	1291
	15.5	3.4	23	7.5						
	16	3.46	23.2	7.7						
	16.5	3.54	23.4	7.9						
	17	3.6	23.6	8						
	17.5	4.04	24.2	8.5	800	1305	2500	3000	819	1291
	18	4.26	24.4	8.7						
	18.5	4.34	24.6	8.9						
	19	4.42	24.8	9.1						
	19.5	4.5	25	9.3						
	20	4.89	26.9	11.2	900	1295	3000	3500	819	1291
	20.5	4.98	27.1	11.4						
	21	5.06	27.4	11.6						
	21.5	5.16	27.6	11.8						
	22	5.24	27.8	12						
22.5	5.33	28.1	12.2	950	1330	3500	4000	819	1291	
23	6.02	28.9	13							
23.5	6.12	29.1	13.3							
24	6.22	29.4	13.5							
24.5	6.32	29.6	13.7							
25	6.42	29.8	13.9	1000	1370	4000	4500	819	1291	
25.5	6.69	30.1	14.2							
26	7.22	34	18.1							
26.5	7.33	34.3	18.4							
27	7.44	34.6	18.7							
27.5	7.54	34.9	19							
28	7.65	35.2	19.2							
28.5	7.75	35.5	19.5							

起重量 Lifting capacity	跨度 Span	起重机总重 Crane total weight	最大轮压 Max.wheel load	最小轮压 Min.wheel load	基本尺寸(mm) Basle dimensions						
					t	S(m)	(地面操作) G (t) Ground controlling	Rmax (kN)	Rmin (kN)	踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook
5	7.5	2.29	28.7	4.6	600	1460	1500	2000	842	1310	
	8	2.35	29.1	4.7							
	8.5	2.42	29.4	4.9							
	9	2.48	29.7	5							
	9.5	2.55	30	5.2							
	10	2.61	30.3	5.3							
	10.5	2.68	30.6	5.5							
	11	2.74	30.8	5.6							
	11.5	2.94	31.4	6.1							
	12	3.01	31.6	6.3							
		12.5	3.08	31.9	6.4	700	1460	2000	2500	842	1310
		13	3.15	32.1	6.6						
		13.5	3.26	32.4	6.8						
		14	3.33	32.6	6.9						
		14.5	3.7	33.2	7.5						
		15	3.79	33.5	7.7						
		15.5	3.87	33.7	7.9	800	1475	2000	2500	842	1310
		16	3.95	33.9	8			2500			
		16.5	4.03	34.2	8.2						
		17	4.11	34.4	8.4						
		17.5	4.54	36	10			900	1465		
		18	4.69	36.3	10.2						
		18.5	4.78	36.5	10.4						
		19	4.86	36.8	10.6						
		19.5	4.95	37	10.8						
		20	5.26	37.8	11.6	1000	1500	3000	3500	842	1310
		20.5	5.36	38.1	11.8						
		21	5.45	38.3	12						
		21.5	5.55	38.6	12.3						
		22	5.63	38.8	12.5						
	22.5	5.73	39.1	12.7							
	23	6.66	40.9	14.6							
	23.5	6.77	41.2	14.8	1100	1540	3500	4000	842	1310	
	24	6.88	41.5	15.1							
	24.5	6.99	41.8	15.3							
	25	7.1	42	15.6							
	25.5	7.38	42.3	15.9							
	26	7.94	46.2	19.7							
	26.5	8.06	46.6	20.1	1150	1540	4000	4500	842	1310	
	27	8.18	46.9	20.4							
	27.5	8.29	47.3	20.7							
	28	8.41	47.6	21							
	28.5	8.53	47.9	21.3							



起重量 Lifting capacity	跨度 Span	起重机总重 Crane total weight	最大轮压 Max.wheel load	最小轮压 Min.wheel load	基本尺寸(mm) Basle dimensions					
					(地面操作) G (t) Ground controlling	Rmax (kN)	Rmin (kN)	踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook	端梁轮距 W (mm) End carriage wheel base
10	7.5	3.28	50.8	5.9	800	1815	1500	2000	1293	1893
	8	3.36	51.6	6						
	8.5	3.44	52.3	6.1						
	9	3.52	53	6.3						
	9.5	3.6	53.6	6.4						
	10	3.68	54.2	6.5						
	10.5	3.76	54.7	6.7						
	11	3.84	55.2	6.9						
	11.5	4.1	56.4	7.8	900	1815	2000	2500	1293	1893
	12	4.19	56.9	7.9						
	12.5	4.38	57.3	8.1						
	13	4.46	57.8	8.3						
	13.5	4.55	58.2	8.5						
	14	4.64	58.6	8.7						
	14.5	4.89	59.4	9.4	1000	1840	2000	2500	1293	1893
	15	5.08	59.8	9.5			2500			
	15.5	5.18	60.2	9.8						
	16	5.27	60.5	10						
	16.5	5.37	60.9	10.2						
	17	5.46	61.2	10.4			1100	1950		
	17.5	5.92	62.5	11.8						
	18	6.01	62.9	12						
	18.5	6.13	63.3	12.3						
	19	6.22	63.6	12.5						
	19.5	6.34	64	12.8	1150	1970	3000	3500	1293	1893
	20	6.75	66.1	14.8						
	20.5	6.88	66.5	15.1						
	21	6.92	66.9	15.3						
	21.5	7.1	67.3	15.7						
	22	7.2	67.6	15.9						
22.5	7.32	68	16.2	1250	1865	3500	4000	1293	1893	
23	8.18	71.9	20.1							
23.5	8.3	72.4	20.5							
24	8.4	72.8	20.8							
24.5	8.56	73.3	21.2							
25	8.68	73.6	21.5							
25.5	8.8	74.1	21.9	1350	1890	4000	4700	1293	1893	
26	9.97	82.5	30.2							
26.5	10.12	83	30.7							
27	10.26	83.5	31.2							
27.5	10.4	84.1	31.7							
28	10.54	84.6	32.1							
28.5	10.68	85.1	32.6							

起重量 Lifting capacity t	跨度 Span S(m)	起重机总重 Crane total weight G (t) Ground controlling	最大轮压 Max.wheel load Rmax (kN)	最小轮压 Min.wheel load Rmin (kN)	基本尺寸(mm) Basle dimensions					
					踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook	端梁轮距 W (mm) End carriage wheel base	端梁总长 B(mm) Tota length of end carriage	吊钩左极限 C1(mm)Hook approach to limit position on the left	吊钩右极限 C2(mm)Hook approach to limit position on the right
16	7.5	3.79	76.5	6.6	900	2445	1500	2000	1293	1893
	8	3.89	77.7	6.8						
	8.5	3.9	78.7	7						
	9	4.1	79.7	7.1						
	9.5	4.2	80.6	7.3						
	10	4.3	81.4	7.5						
	10.5	4.4	82.1	7.7						
	11	4.5	82.8	7.9						
	11.5	4.8	84.3	8.9						
	12	4.9	84.9	9.1						
	12.5	5.15	85.6	9.4						
	13	5.25	86.1	9.6						
	13.5	5.37	86.7	9.8						
	14	5.47	87.3	10.1						
	14.5	5.82	89.6	12.1						
	15	6.04	90.2	12.4						
	15.5	6.17	90.7	12.7						
	16	6.28	91.2	13						
	16.5	6.4	91.8	13.3						
	17	6.5	92.3	13.5						
	17.5	7.16	94.9	16						
	18	7.28	95.4	16.3						
	18.5	7.42	96	16.7						
	19	7.54	96.4	17						
	19.5	7.69	97	17.4						
	20	8.49	98.4	18.6						
	20.5	8.65	98.9	19						
	21	8.78	99.4	19.4						
	21.5	8.95	99.9	19.8						
	22	9.08	100.4	20.1						
22.5	9.24	100.9	20.5							
23	10.21	108.4	27.9							
23.5	10.37	109.1	28.5							
24	10.53	109.6	28.9							
24.5	10.7	110.3	29.4							
25	10.86	110.8	29.9							
25.5	11.03	111.4	30.4							
26	11.89	114.2	33.1							
26.5	12.06	114.9	33.7							
27	12.23	115.4	34.1							
27.5	12.4	116.1	34.7							
28	12.58	116.6	35.2							
28.5	13.72	117.2	35.7							



起重量 Lifting capacity	跨度 Span	起重机总重 Crane total weight	最大轮压 Max.wheel load	最小轮压 Min.wheel load	基本尺寸(mm) Basle dimensions							
					地面操作 G (t) Ground controlling	Rmax (kN)	Rmin (kN)	踏面至主梁顶 H1 (mm) wheel tread approach to top	踏面至吊钩中心 H2 (mm) wheel tread approach to center of hook	端梁轮距 W (mm) End carriage wheel base	端梁总长 B(mm) Tota length of end carriage	吊钩左极限 C1(mm)Hook approach to limit position on the left
20	7.5	5.45	99	10.2	1000	2400	2000	2700	1394	1933		
	8	5.56	100.4	10.4								
	8.5	5.68	101.8	10.6								
	9	5.79	103	10.8								
	9.5	5.83	104.2	11.1								
	10	6.02	105.2	11.3								
	10.5	6.14	106.2	11.6								
	11	6.25	107.1	11.8								
	11.5	6.72	109.1	13.2	1050	2430	2000	2700	1394	1933		
	12	6.85	109.9	13.5								
	12.5	7.09	110.8	13.8								
	13	7.21	111.5	14.1								
	13.5	7.35	112.3	14.5								
	14	7.48	113	14.8								
	14.5	8.24	116.3	17.6	1200	2490	2000	2700	1394	1933		
	15	8.49	117	18			1200				2490	2500
	15.5	8.65	117.7	18.4								
	16	8.79	118.4	18.8								
	16.5	8.92	119.2	19.2								
	17	9.1	119.8	19.6								
	17.5	9.87	121.8	21.4			1300	2550			2500	3200
	18	10.03	122.5	21.8								
	18.5	10.21	123.2	22.3								
	19	10.37	123.8	22.7								
	19.5	10.45	124.5	23.2								
20	11.25	126.6	25.1	1400	2590	3000	3700	1394	1933			
20.5	11.45	127.3	25.6									
21	11.61	127.9	26									
21.5	11.81	128.6	26.5									
22	11.98	129.2	27									
22.5	12.18	129.9	27.5									
23	12.57	132.5	30	1450	2600	3500	4200	1394	1933			
23.5	12.76	133.2	30.6									
24	12.94	133.8	31									
24.5	13.12	134.5	31.6									
25	13.3	135.1	32.1									
25.5	13.49	135.8	32.6									

注：司机室操作时起重机总重增加0.5t，最大、最小轮压均增加2kN。
如有其它要求，请在订货时特别提出。
我公司保留在无需任何通知的情况下对以上信息进行变更的权力。

Note: Total weight should increase 0.5t, the minimum and maximum wheel pressure each increase 2kN if cab operation.

Other requirements please put forward when you place an order.
We reserve the right to change above information without any notice.