



NOVOCRANE

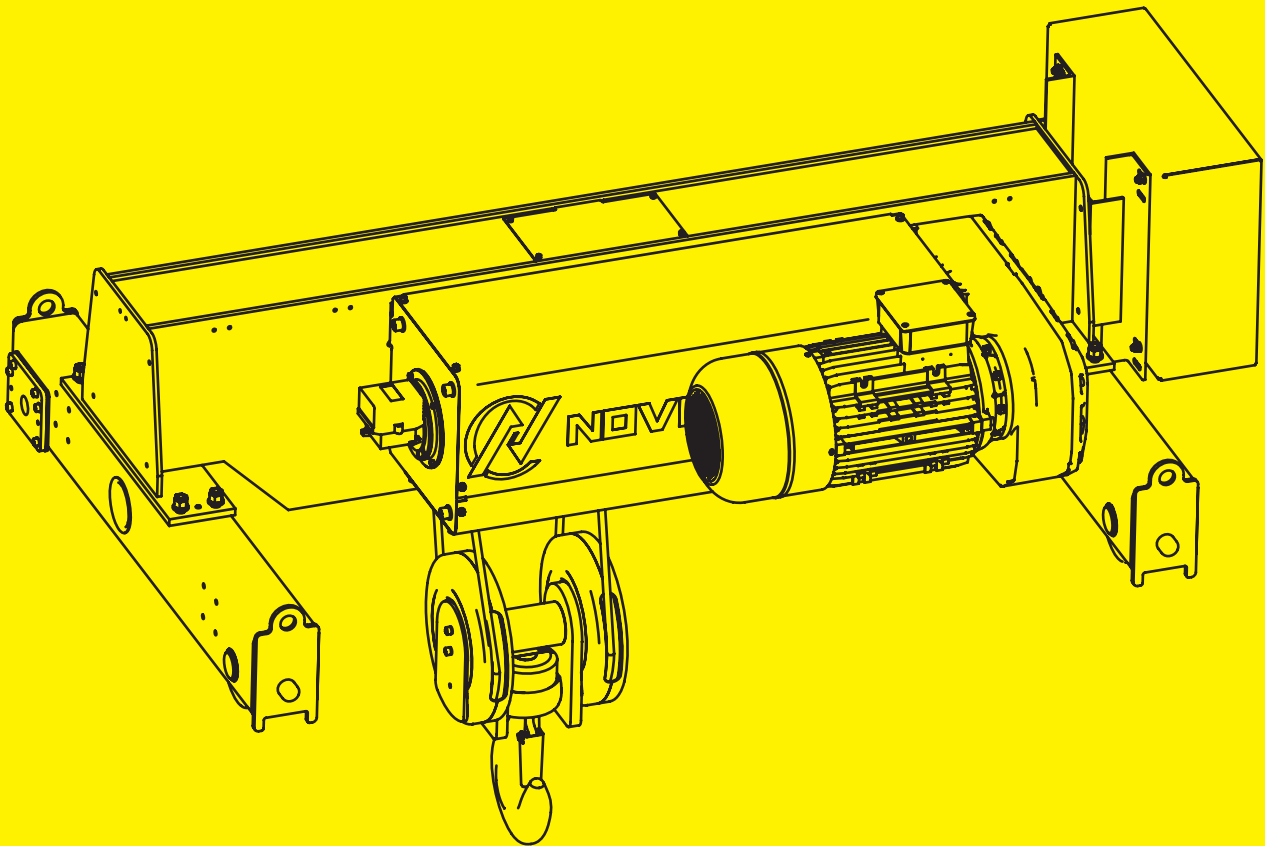
HOIST MASTER

Electric Wire Rope Hoist

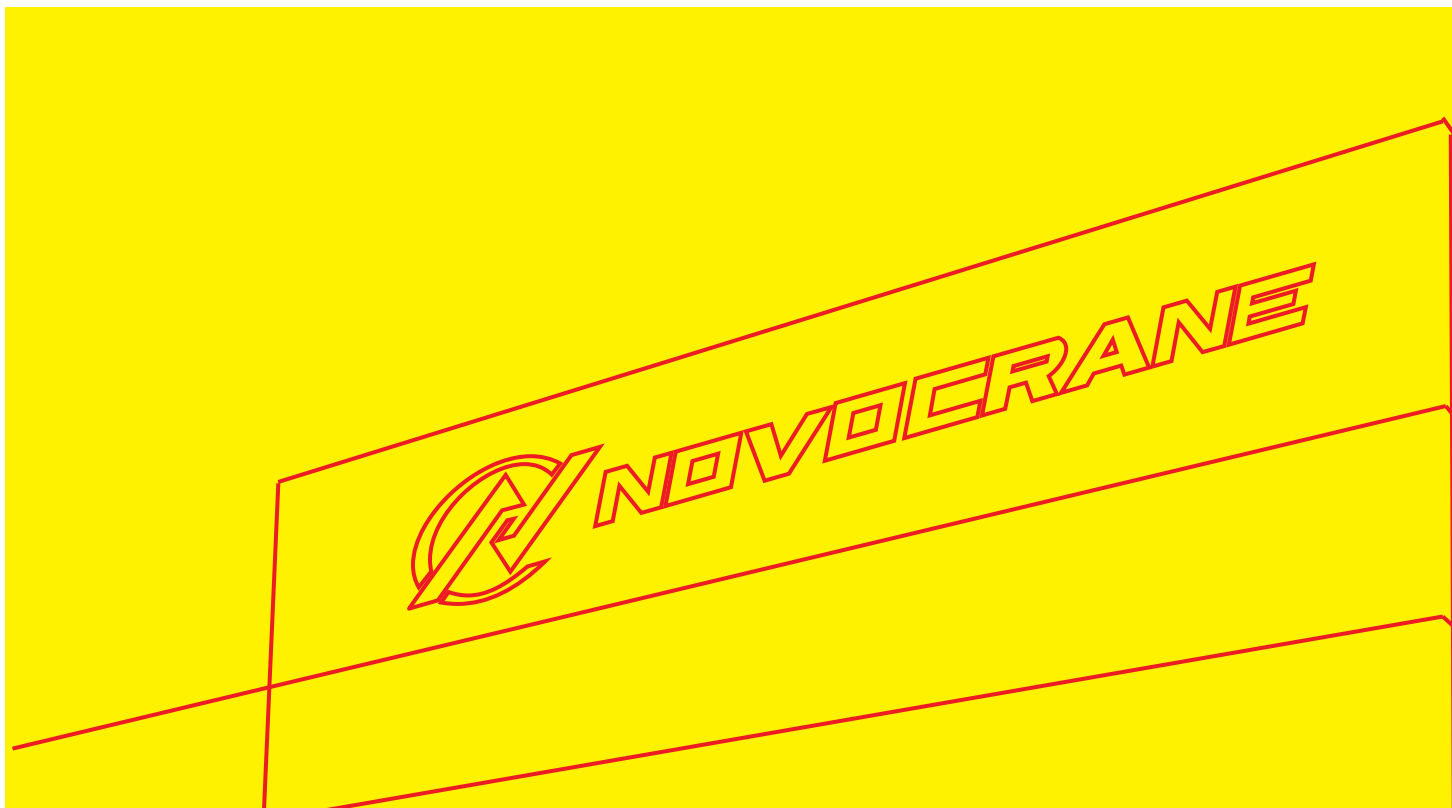
Crane kits (End Carriages and Bridge Panel)

Electric Chain Hoist

Crane kits Sales Manual



Version: 2022/02/28





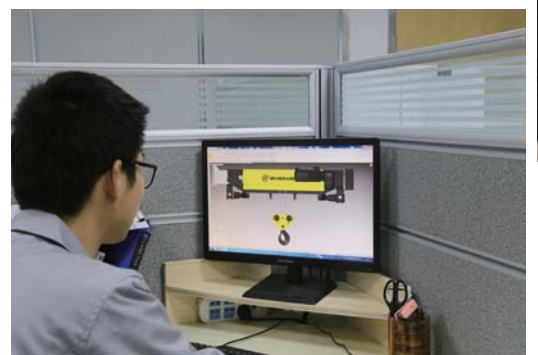
HOIST MASTER

About us

Novocrane (Suzhou) Co., Ltd. is an advanced professional manufacturer and service provider of electric hoists, which inherits the advanced German product design concept, perfect technological process and strict quality management, committed to providing cost-effective products with reliable quality and good performance to users. Products mainly include NCH electric chain hoists, NWH electric wire rope hoists, NDR electric clean room hoists, electric explosion-proof hoists, flexible-girder cranes, jib cranes, and crane kits, which are widely used in equipment manufacturing, automobile industry, transportation and logistics, energy industry, metallurgy, shipbuilding, and many other fields. Novocrane puts advanced design and application concepts into practice, and provides lifting equipment with light dead weight, low headroom, safety and reliability, excellent performance and efficient operation to customers.

Adhering to the mission of being close to users and the market, Novocrane has maintained long-term close cooperative relationship with well-known domestic and foreign enterprises, academic institutions, and industry experts, can quickly understand the development and application of new technologies in this industry, and guide the technological development of the electric hoist industry. At the same time, Novocrane continues to invest in product research and development every year, guide the market trend through technological innovation, gain the trust of customers through the pursuit of quality, and let the products maintain unique advantages in the market. Novocrane focuses on the production of electric hoists from 50kg to 100t, light cranes and crane components, which can meet customers' requirements on various working conditions and provide customers with excellent solutions. Novocrane has established long-term cooperative relationships with major crane companies in China, from various perspectives such as providing technical solutions, technical exchanges and product delivery, and ultimately providing users with one-stop services.

With the more and more widely use of electric hoists, the operation content and working conditions of electric hoists have been differentiated in detail and pertinent, and various special electric hoists have emerged to meet the individual needs of different market segments. Novocrane understands customers' needs in depth, and has developed and manufactured advanced clean room electric hoists which are special for high-level clean application environments, which meets users' special requirements on equipment, environment and use. As an innovator and pioneer in the segmented field of electric hoists, we are always willing to understand the needs of our customers, take the initiative to innovate to meet the needs of our customers, and accumulate rich experience in segmented market applications at the same time, Novocrane will keep being committed to inject new vitality into the electric hoist industry.

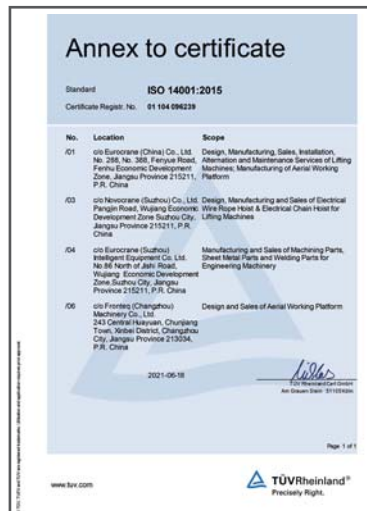


Research and Development Innovation

Focusing on customers' needs, Novocrane keeps innovating on technology, products, solutions and businesses, actively explores the intelligent material handling market, realizes the integration of industrialization and informatization, accelerates the R&D and promotion of new products, and promotes the upgrading and transformation of the industry to automation and intelligence, ushering the new era of industrial manufacturing and security upgrades, and helping the new development of material handling equipment.

Novocrane keeps increasing investment in research and development, advocates the goal of green manufacturing, high efficiency and reliability, and continues to create value for customers. So far, Novocrane has 87 patents of various categories, which have been recognized as high-tech enterprises in Jiangsu Province, product design won the Suzhou Industrial Design Product Excellence Award. Providing customers with excellent products and intelligent solutions. The safety and production efficiency of the electric hoist in operation are improved, and the maintenance is more convenient, which is highly recognized by domestic and foreign users.





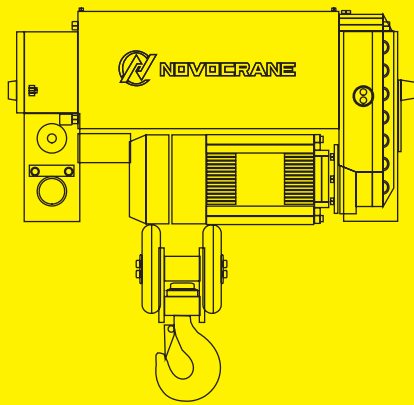
Excellent Quality

Novocrane was established in 2008 with a registered capital of more than 60 million. In 2010, Novocrane established its headquarters and manufacturing base in Wujiang Economic Development Zone, covering an area of 25,000 square meters, with a production capacity of 15,000 units per year.

Novocrane has passed the TUV ISO9001 quantity management system certification, ISO14001 environmental management system certification and obtained these certificates. Main products have passed the EU CE system certification. Advanced management system, excellent R&D capability, perfect quality assurance system and advanced testing tools enable Novocrane to provide customers with very competitive high-quality and high-performance products.



NOVOCRANE NWH



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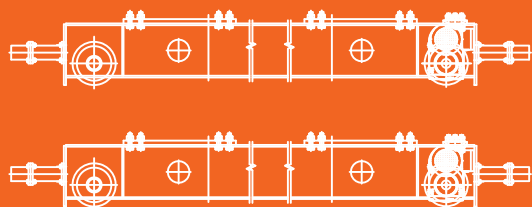
Double Girder Electric Wire Rope Hoist 32t

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NOVOCRANE NGS



Crane Kits (End Carriages and Bridge Panel)

Crane End carriages and Bridge Panel

GS12 Crane End carriages and Bridge Panel

GS16 Crane End carriages and Bridge Panel

GD16 Crane End carriages and Bridge Panel

GS20 Crane End carriages and Bridge Panel

GD20 Crane End carriages and Bridge Panel

GB20 Crane End carriages and Bridge Panel

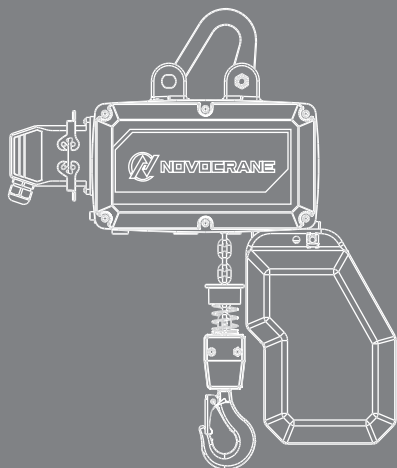
GS25 Crane End carriages and Bridge Panel

GD25 Crane End carriages and Bridge Panel

GB25 Crane End carriages and Bridge Panel

GB32 Crane End carriages and Bridge Panel

NOVOCRANE NGH



Electric Chain Hoist

NCH1 Fixed Type Electric Chain Hoist (F) -1 Fall

NCH2 Fixed Type Electric Chain Hoist (F) -1 Fall

NCH5 Fixed Type Electric Chain Hoist (F) -1 Fall

NCH1 Fixed Type Electric Chain Hoist (F) -2 Falls

NCH2 Fixed Type Electric Chain Hoist (F) -2 Falls

NCH5 Fixed Type Electric Chain Hoist (F) -2 Falls

NCH1 Monorail/ Crane Type Electric Chain Hoist (M/E) -1 Fall

NCH2 Monorail/ Crane Type Electric Chain Hoist (M/E) -1 Fall

NCH5 Monorail/ Crane Type Electric Chain Hoist (M/E) -1 Fall

NCH1 Monorail/ Crane Type Electric Chain Hoist (M/E) -2 Falls

NCH2 Monorail/ Crane Type Electric Chain Hoist (M/E) -2 Falls

NCH5 Monorail/ Crane Type Electric Chain Hoist (M/E) -2 Falls



NWH Electric Wire Rope Hoist Code

NWH	4	050	41	P	1	5	F	S	A	N
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No. Code Description Parameter

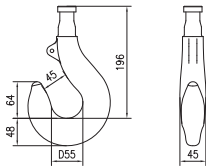
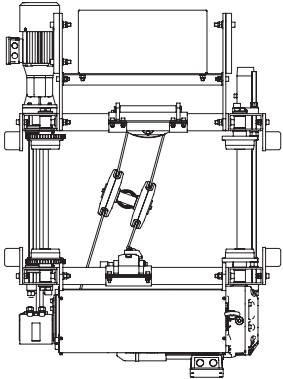
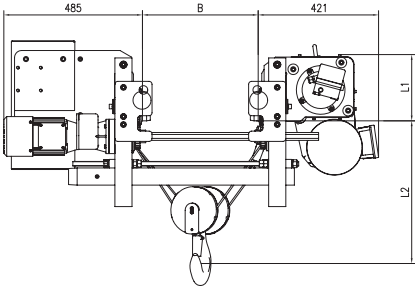
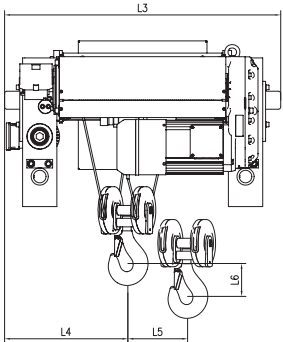
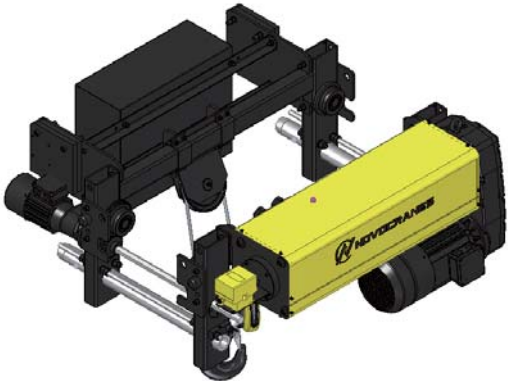
1	NWH	Electric Wire Rope Hoist Code					
2	4	Frame Model	3. GH 3201 hoisting mechanism with 140 drum, maximum load capacity: 3.2t 4. GH 5000 hoisting mechanism with 190 drum, maximum load capacity: 6.3t 5. GH 12500 hoisting mechanism with 268 drum, maximum load capacity: 12.5t 6. GH 20000 hoisting mechanism with 295 drum, maximum load capacity: 20t 7. GH 25000 hoisting mechanism with 325 drum (for identifying hoisting mechanism and drum) 8. GH 40000 hoisting mechanism and 20/5kw 2-speed motor, with 405 drum 9. GH 40000 hoisting mechanism and 38kw variable frequency motor, with 405 drum				
3	050	Load Capacity	050=50*100=5000kg				
4	4	Rope Way	4. Reeving (2,4,6,8) 1. The number of wire rope fixed to the drum (1,2)				
5	P	Lifting Motor Type	P 2-speed Motor T Variable Frequency Motor				
6	1	Lifting Motor Power	0~9 A , B ,C				
7	5	Working Class	3. ISO M3 1Bm 4.ISO M4 1Am 5. ISO M5 2m 6.ISO M6 3m 7. ISO M7 4m				
8	F	Hoisting Mechanism Speed Ratio	E \ F \ G \ H \ I				
9	S	Trolley Structure	F. Fixed Type S. Single Girder D. Double Girder A. Single Girder Monorail Crane B. Double Girder Double-track Crane N. Normal Headroom				
10	A	Drum Length	A.550mm B.700mm C.900mm D.1100mm E.1300mm F.1500mm G.1700mm H.1900mm I.2100mm J.2300mm K.2500mm L.3100mm M.3700mm N.4300mm P.4800mm				
11	N	Special Instructions	N. Standard Configuration S. Special design				

Low Headroom Single Girder Electric Wire Rope Hoist 3.2t

Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	0.45/3.2	5-20	0.64	267
9	2m(M5)	0.8/5	0.45/3.2	5-20	0.64	279
12	2m(M5)	0.8/5	0.45/3.2	5-20	0.64	294



Hook Size: LMDL6-T

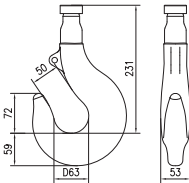
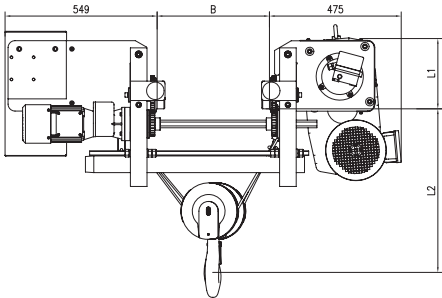
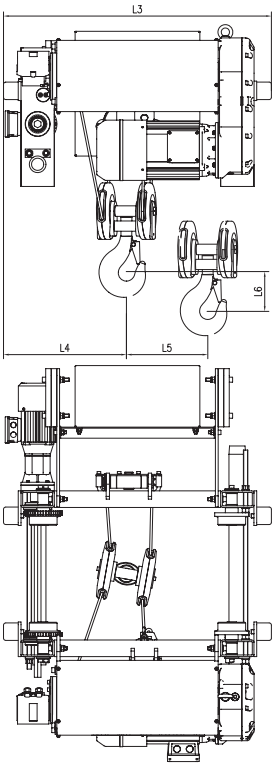
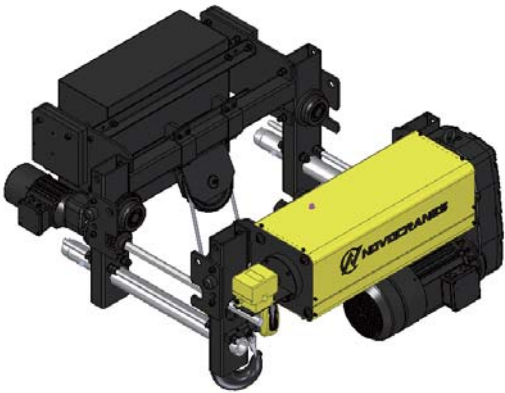
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	B(mm)
6	231	500	966	370	98	6000	250~350
9	231	500	1116	320	147	9000	250~350
12	231	500	1316	320	196	12000	250~350

Low Headroom Single Girder Electric Wire Rope Hoist 5t
Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1/6.1	5-20	0.64	349
9	2m(M5)	0.8/5	1/6.1	5-20	0.64	365
12	2m(M5)	0.8/5	1/6.1	5-20	0.64	393
15	2m(M5)	0.8/5	1/6.1	5-20	0.64	414
18	2m(M5)	0.8/5	1/6.1	5-20	0.64	435



Hook Size: LMD2.5-T

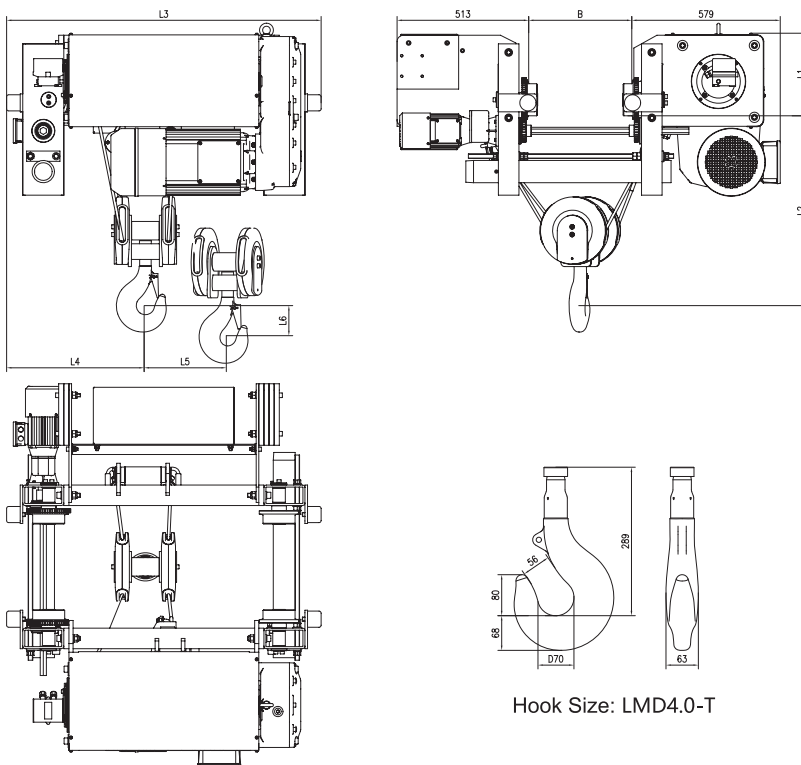
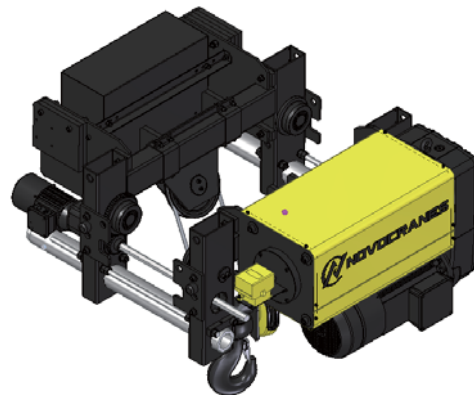
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	B(mm)
6	254	590	966	320	98	6000	250~400
9	254	590	1116	320	135	9000	250~400
12	254	590	1316	320	180	12000	250~400
15	254	590	1516	270	225	15000	250~400
18	254	590	1716	270	270	18000	250~400

Low Headroom Single Girder Electric Wire Rope Hoist 10t Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1.5/9.5	5-20	0.96	643
9	2m(M5)	0.8/5	1.5/9.5	5-20	0.96	671
12	2m(M5)	0.8/5	1.5/9.5	5-20	0.96	706
15	2m(M5)	0.8/5	1.5/9.5	5-20	0.96	742
18	2m(M5)	0.8/5	1.5/9.5	5-20	0.96	776



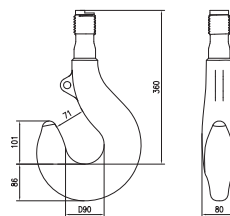
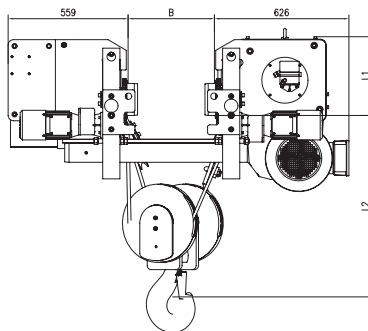
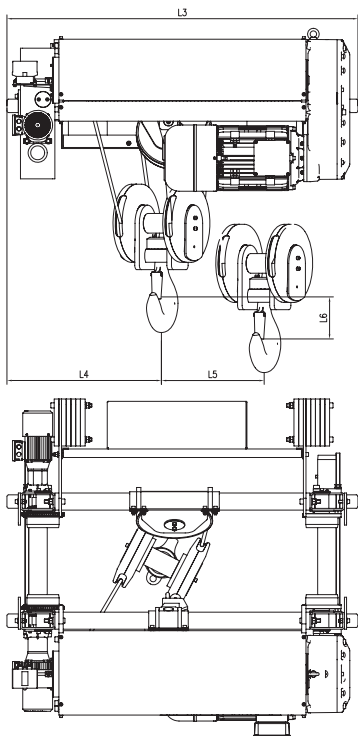
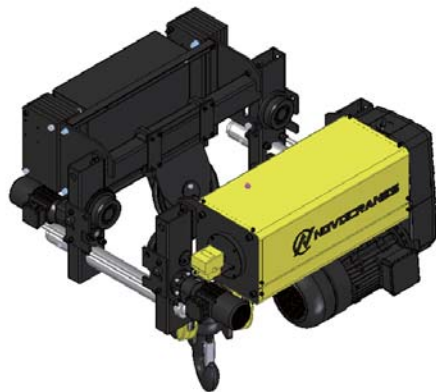
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	B(mm)
6	322	740	1076	518	89	6000	250~400
9	322	740	1226	518	133	9000	250~400
12	322	740	1426	518	178	12000	250~400
15	322	740	1626	430	222	15000	250~400
18	322	740	1826	430	267	18000	250~400

Low Headroom Single Girder Electric Wire Rope Hoist 20t
Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	1A(M4)	1.2/5	5/20	5-20	2*0.96	1100
9	1A(M4))	1.2/5	5/20	5-20	2*0.96	1185
12	1A(M4)	1.2/5	5/20	5-20	2*0.96	1255
15	1A(M4)	1.2/5	5/20	5-20	2*0.96	1355
18	1A(M4)	1.2/5	5/20	5-20	2*0.96	1455



Hook Size: LMD6.0-T

Product Dimensions

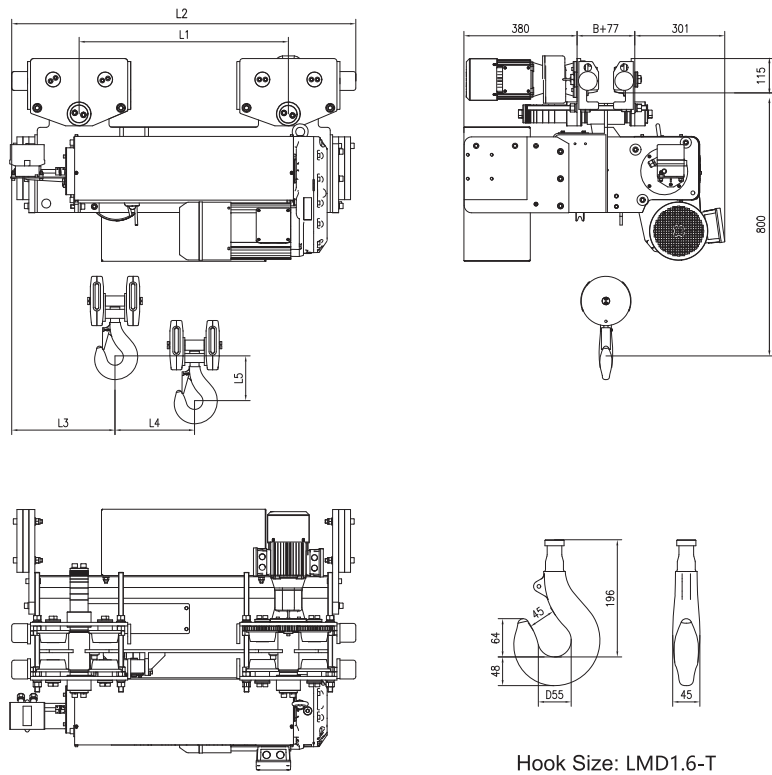
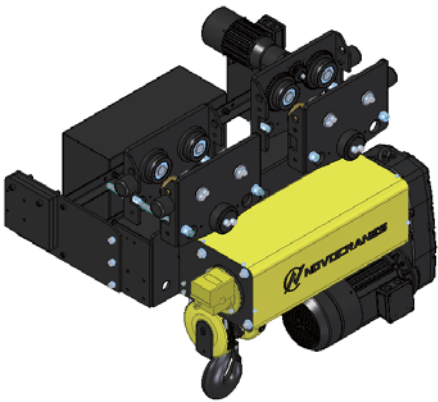
Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	L6(mm)	B(mm)
6	404	850	1234	541	80	6000	250~400
9	404	850	1434	641	120	9000	250~400
12	404	850	1634	641	160	12000	250~400
15	404	850	1834	641	200	15000	250~400
18	404	850	2034	641	240	18000	250~400

Normal Headroom Single Girder Electric Wire Rope Hoist 3.2t

Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	0.45/3.2	5~20	0.64	291
9	2m(M5)	0.8/5	0.45/3.2	5~20	0.64	311
12	2m(M5)	0.8/5	0.45/3.2	5~20	0.64	328



Hook Size: LMD1.6-T

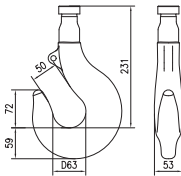
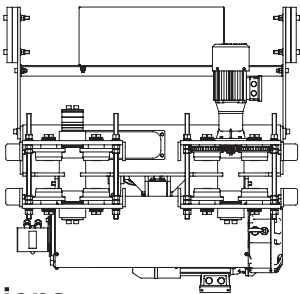
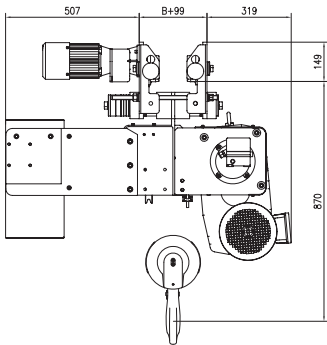
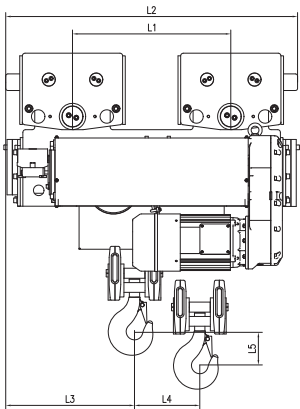
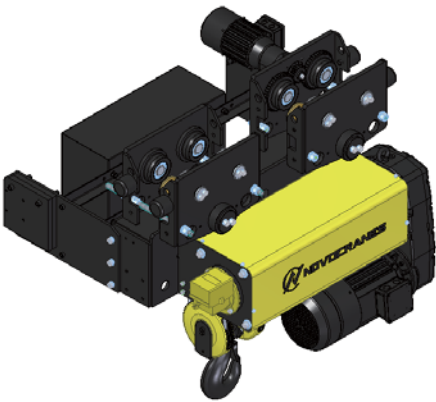
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	B(mm)
6	550	1001	318	98	6000	100~200
9	700	1151	268	147	9000	100~200
12	900	1351	268	196	12000	100~200

Normal Headroom Single Girder Electric Wire Rope Hoist 5t
Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1/6.1	5-20	0.64	441
9	2m(M5)	0.8/5	1/6.1	5-20	0.64	463
12	2m(M5)	0.8/5	1/6.1	5-20	0.64	501
15	2m(M5)	0.8/5	1/6.1	5-20	2*0.64	535
18	2m(M5)	0.8/5	1/6.1	5-20	2*0.64	600



Hook Size: LMD2.5-T

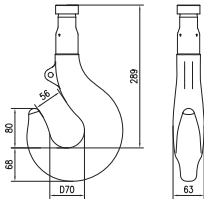
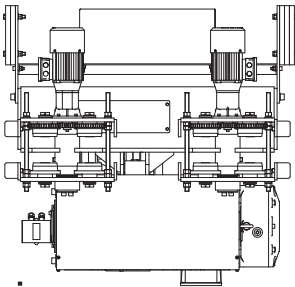
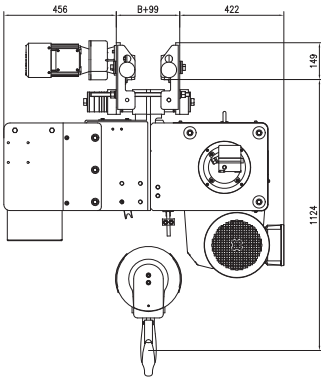
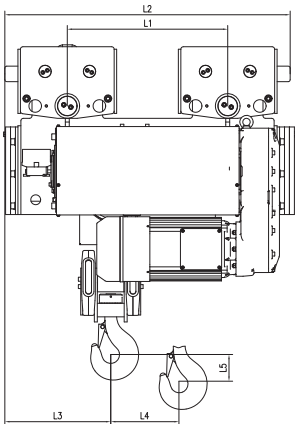
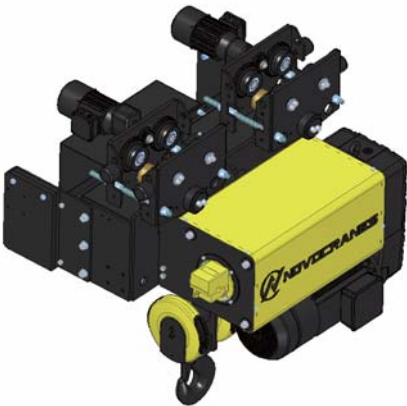
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	B(mm)
6	450	956	373	80	6000	100~200
9	600	1106	408	136	9000	100~200
12	800	1306	408	181	12000	100~200
15	1000	1506	408	226	15000	100~200
18	1200	1706	408	271	18000	100~200

Normal Headroom Single Girder Electric Wire Rope Hoist 10t Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.64	693
9	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.64	766
12	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.64	833
15	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.64	875
18	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.64	937



Hook Size: LMD4.0-T

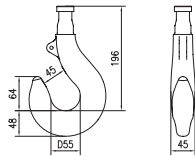
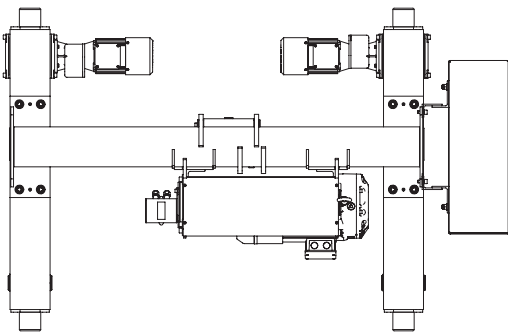
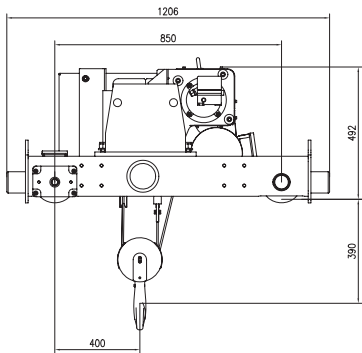
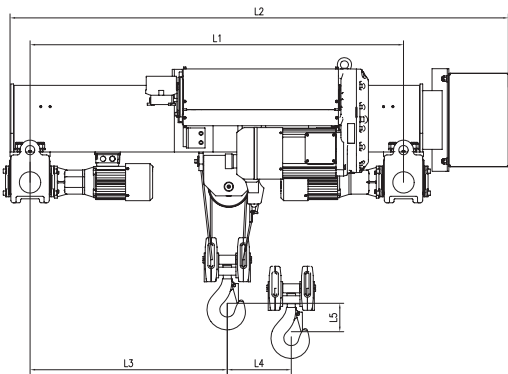
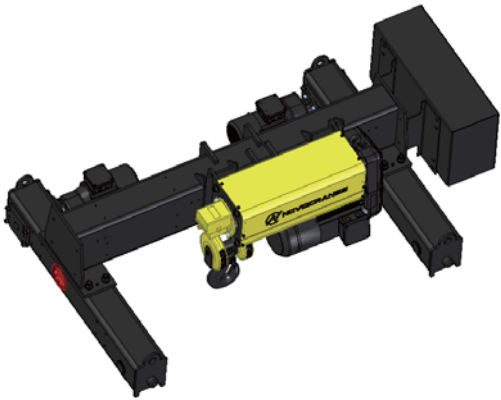
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)	B(mm)
6	500	1006	459	89	6000	100~200
9	650	1156	429	133	9000	100~200
12	850	1356	461	178	12000	100~200
15	1050	1556	475	222	15000	100~200
18	1250	1756	501	256	18000	100~200

Double Girder Electric Wire Rope Hoist 3.2t
Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	0.45/3.2	5-20	2*0.31	393
9	2m(M5)	0.8/5	0.45/3.2	5-20	2*0.31	450
12	2m(M5)	0.8/5	0.45/3.2	5-20	2*0.31	500



Hook Size: LMD1.6-T

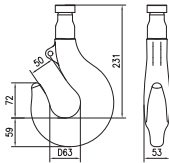
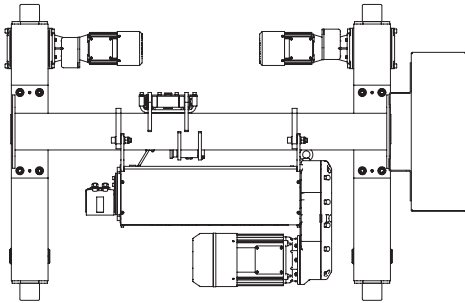
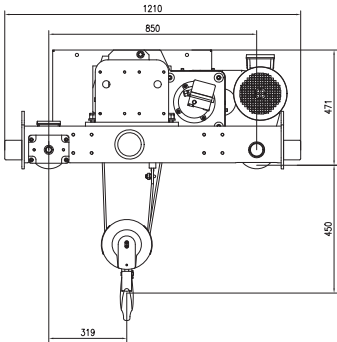
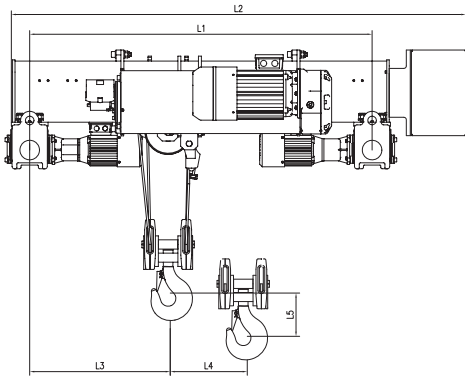
Product Parameter

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)
6	1400	1855	679	98	6000
9	1400	1855	633	147	9000
12	1700	2155	700	196	12000

Double Girder Electric Wire Rope Hoist 5t Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1/6.1	5-20	2*0.31	500
9	2m(M5)	0.8/5	1/6.1	5-20	2*0.31	551
12	2m(M5)	0.8/5	1/6.1	5-20	2*0.31	610
15	2m(M5)	0.8/5	1/6.1	5-20	2*0.31	663
18	2m(M5)	0.8/5	1/6.1	5-20	2*0.31	710



Hook Size: LMD2.5-T

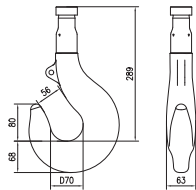
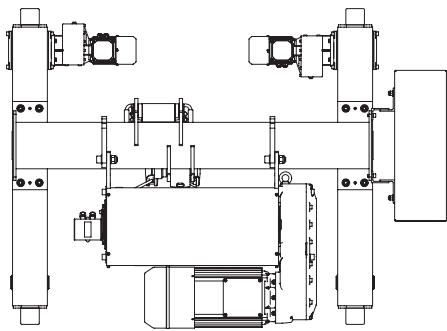
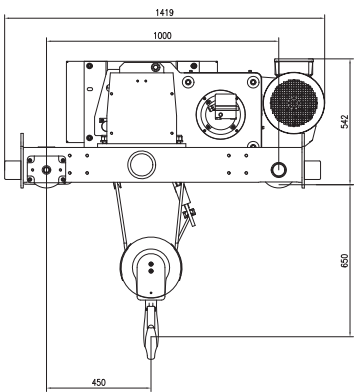
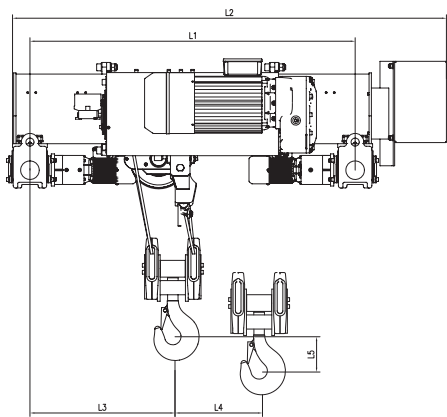
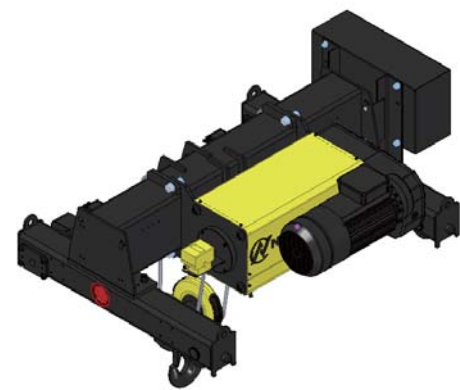
Product Parameter

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)
6	1400	1855	655	90	6000
9	1400	1855	575	135	9000
12	1700	2155	689	180	12000
15	2000	2458	814	225	15000
18	2400	2858	1013	270	18000

Double Girder Electric Wire Rope Hoist 10t
Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.44	720
9	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.44	745
12	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.44	800
15	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.44	850
18	2m(M5)	0.8/5	1.5/9.5	5-20	2*0.44	900



Hook Size: LMD4.0-T

Product Parameter

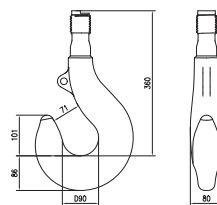
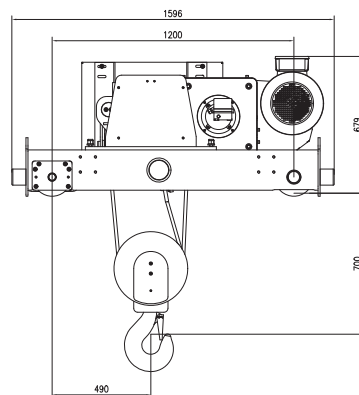
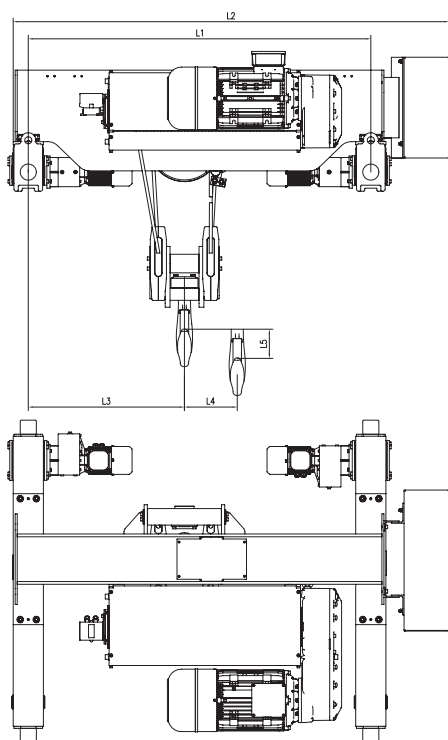
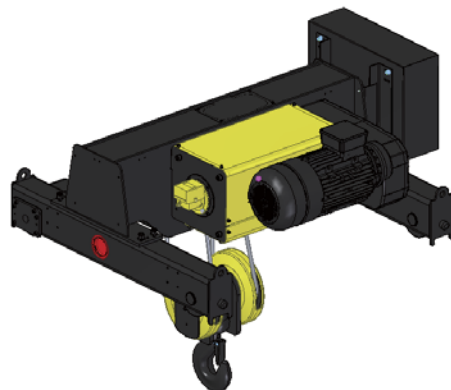
Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)
6	1400	1855	670	89	6000
9	1400	1855	615	133	9000
12	1700	2155	745	178	12000
15	2000	2458	865	222	15000
18	2400	2858	1090	267	18000



Double Girder Electric Wire Rope Hoist 20t Reeving: 4/1

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	1Am(M4)	0.66/4	2.4/16	5-20	2*0.96	1150
9	1Am(M4)	0.66/4	2.4/16	5-20	2*0.96	1250
12	1Am(M4)	0.66/4	2.4/16	5-20	2*0.96	1350
15	1Am(M4)	0.66/4	2.4/16	5-20	2*0.96	1450
18	1Am(M4)	0.66/4	2.4/16	5-20	2*0.96	1550



Hook Size: LMD6.0-T

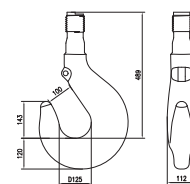
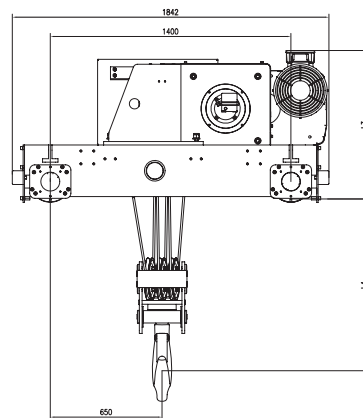
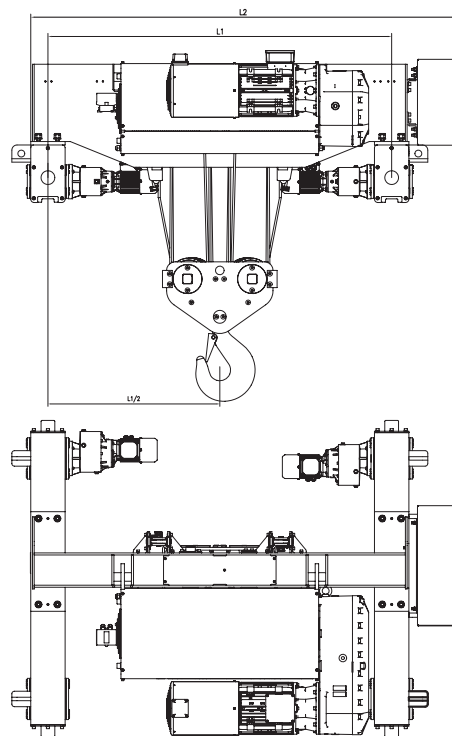
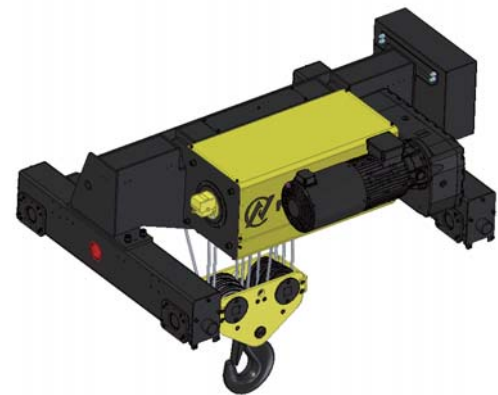
Product Parameter

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	L5(mm)
6	1400	1850	680	110	6000
9	1700	1850	755	165	9000
12	2000	2450	875	220	12000
15	2400	2850	1075	275	15000
18	2700	3150	1175	330	18000

Double Girder Electric Wire Rope Hoist 40t
Reeving:8/2

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0.8/3.3	5/20	5-20	2*1.2	2050
9	2m(M5)	0.8/3.3	5/20	5-20	2*1.2	2150
12	2m(M5)	0.8/3.3	5/20	5-20	2*1.2	2300
15	2m(M5)	0.8/3.3	5/20	5-20	2*1.2	2400
18	2m(M5)	0.8/3.3	5/20	5-20	2*1.2	2500



Hook Size: LMD12.0-T

Product Parameter

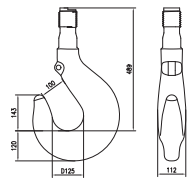
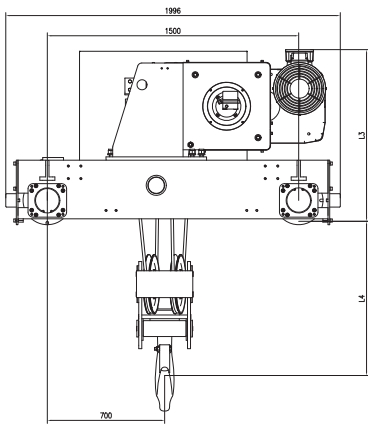
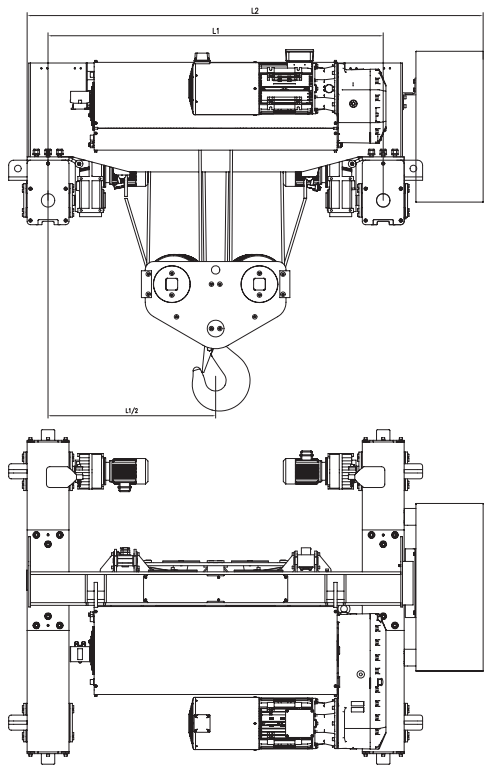
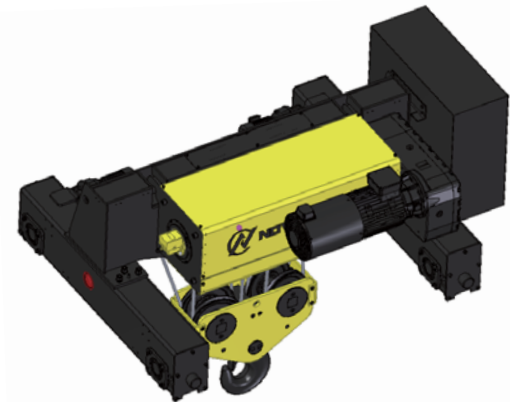
Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)
6	2000	2490	864	1000
9	2400	2890	864	1000
12	2700	3190	864	1000
15	3100	3590	864	1000
18	3400	3890	864	1000



Double Girder Electric Wire Rope Hoist 50t Reeving: 12/2

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	1Am(M4)	0/4.9	38	5-20	2*1.6	2850
9	1Am(M4)	0/4.9	38	5-20	2*1.6	2850
12	1Am(M4)	0/4.9	38	5-20	2*1.6	3000
15	1Am(M4)	0/4.9	38	5-20	2*1.6	3150
18	1Am(M4)	0/4.9	38	5-20	2*1.6	3350



Hook Size: LMD12.0-T

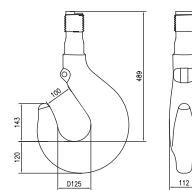
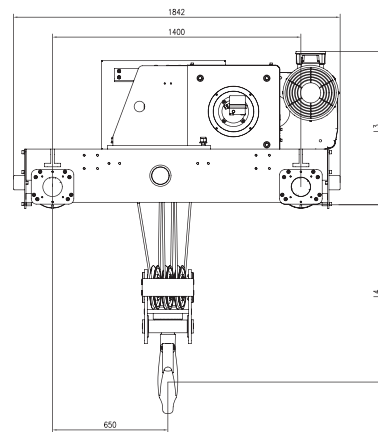
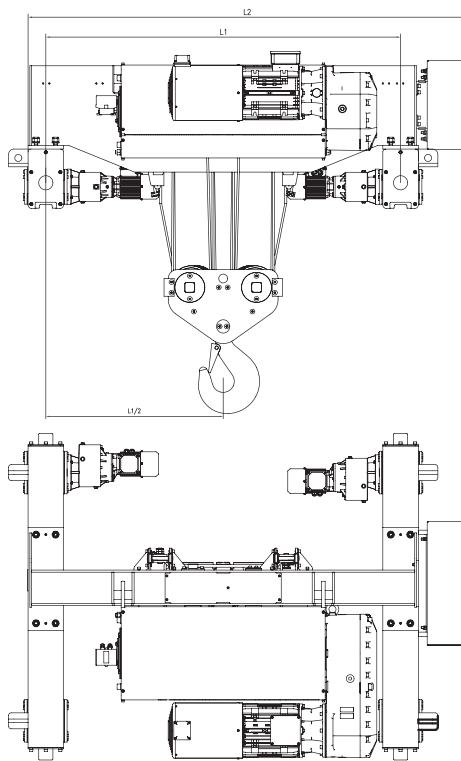
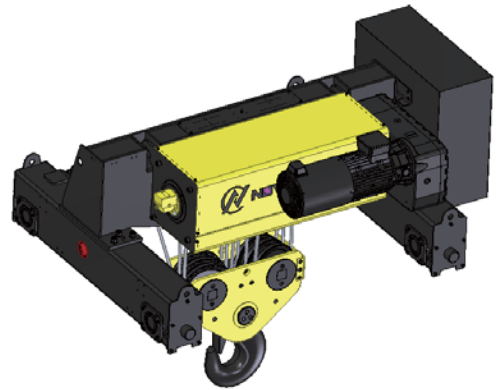
Product Parameter

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)
6	2000	2830	1025	920
9	2000	2830	1025	920
12	2400	3230	1025	920
15	2700	3530	1025	920
18	3100	3930	1025	920

*Double Girder Electric Wire Rope Hoist 50t
Reeving: 12/2*

Product Parameter

Height (m)	Working Class FEM(GB)	Lifting Speed (m/min)	Lifting Motor Power (kw)	Trolley Speed (m/min)	Trolley Motor (kw)	Power Weight (kg)
6	2m(M5)	0/3.2	38	5-20	2*1.6	3050
9	2m(M5)	0/3.2	38	5-20	2*1.6	3350
12	2m(M5)	0/3.2	38	5-20	2*1.6	3550
15	2m(M5)	0/3.2	38	5-20	2*1.6	3750
18	2m(M5)	0/3.2	38	5-20	2*1.6	4000



Hook Size: LMD20.0-T

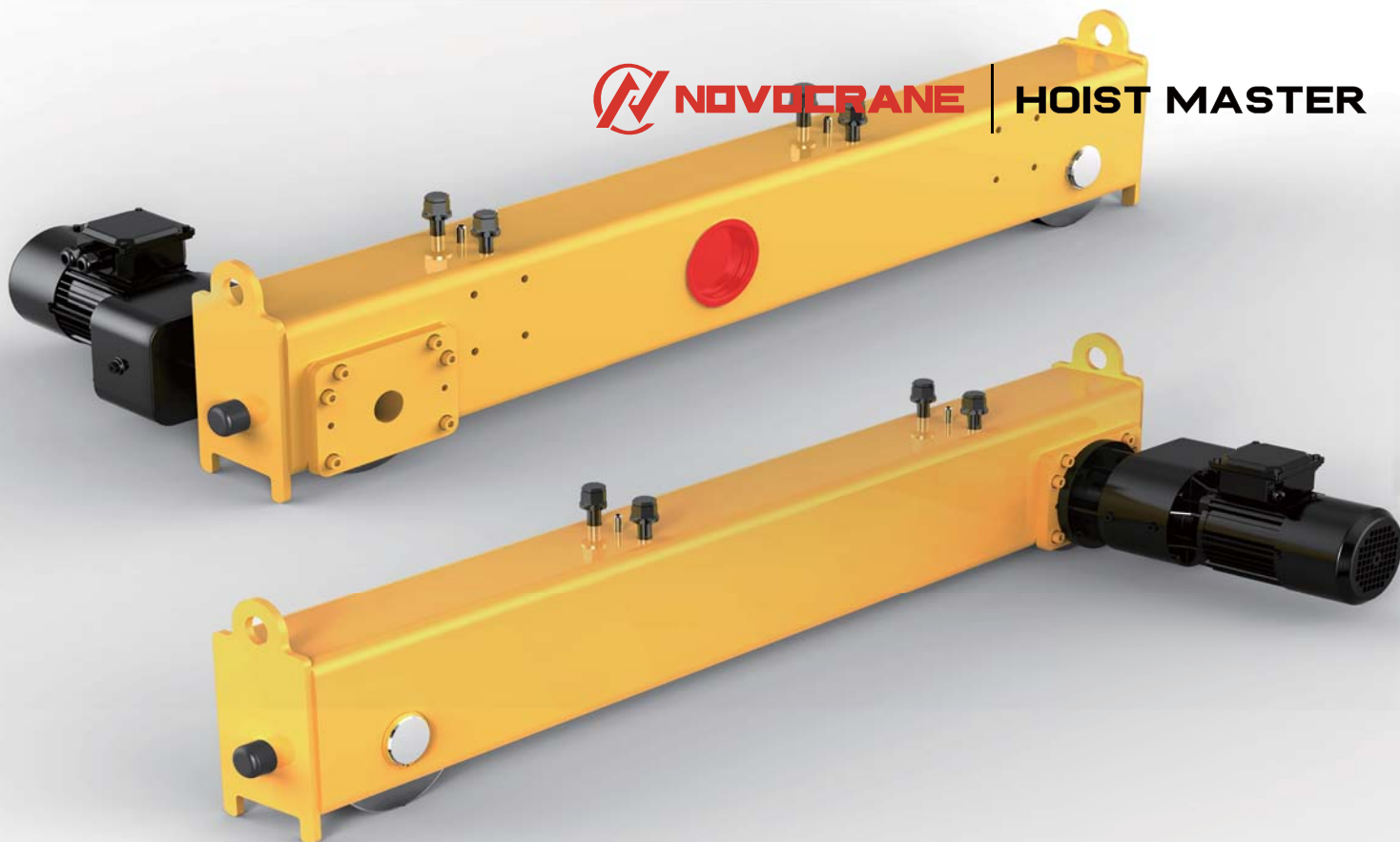
Product Dimensions

Height(m)	L1(mm)	L2(mm)	L3(mm)	L4(mm)
6	2000	2830	1023	950
9	2700	2530	1023	950
12	3100	3930	1023	950
15	3400	4130	1023	950
18	3800	4630	1023	950



NOVOCRANE

HOIST MASTER



NGS Crane End Carriages Code

GS

12

18

No.	Code	Description	Parameter
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1	GS	End Carriages Type	"GS"= Single Girder, "GD"= Double Girder, "GB"= Bogie Girder
2	12	Wheel Groove Diameter	"Numerical Value" x 10 (mm)
3	18	Wheel Base	"Numerical Value" x 100 Bogie For Bogie Girder, it refers to the wheel base of 2 wheels on the outermost side of the End Carriages

NWH Crane Bridge Panel Code

NWH

D

32T

063

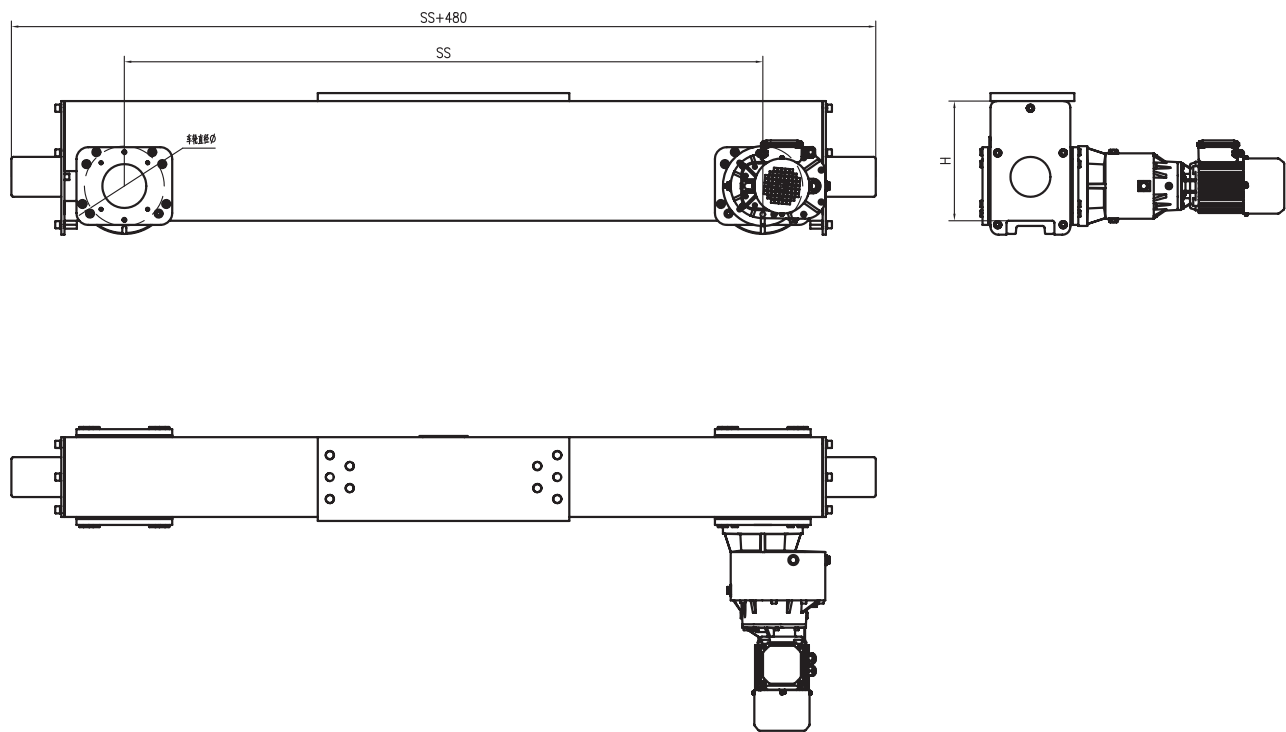
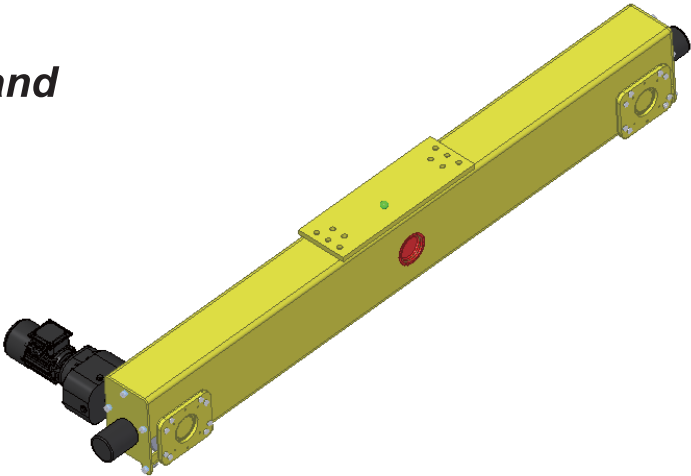
17

48

No.	Code	Description	Parameter
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1	NWH	Bridge Panel Series	"N"= Novocrane Brand, "W"= Wire Rope, "H"= Electric Hoist
2	D	Crane Electric Control Type	"S"= Single Girder Crane Electronic Control, "D"= Double Girder Crane Electronic Control
3	32T	Crane S.W.L	Tonnage Numerical: 3t, 5t, 10t, 20t, 32t, 50t
4	063	Rated Current of the Bridge Panel	Rated Current of the Bridge Panel: 16A, 25A, 40A, 63A, 80A, 100A
5	17	Rated Current of the Long Travel Motor	Rated Current of the Long Travel Motor: 4A, 7A, 9A, 13A, 17A, 25A
6	48	Control Voltage	AC 48V

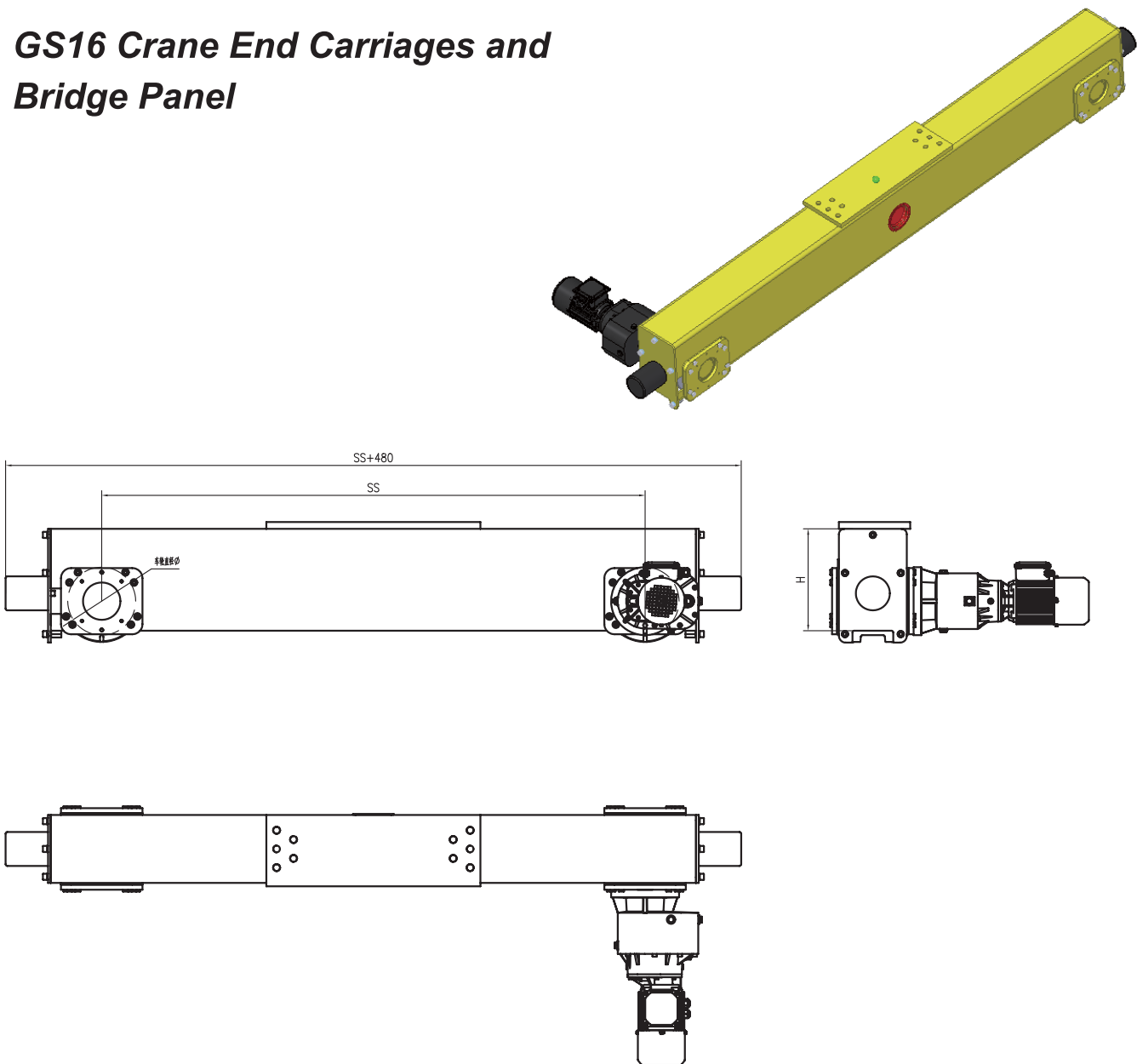
GS12 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
125	GS1218	1800	200	HS3.2-10.5-6 A5	131	NWHS03T-016-04-48
125	GS1222	2200	200	HS3.2-13.5-6 A5	148	NWHS03T-016-04-48
125	GS1227	2700	250	HS3.2-16.5-6 A5	189	NWHS03T-016-04-48

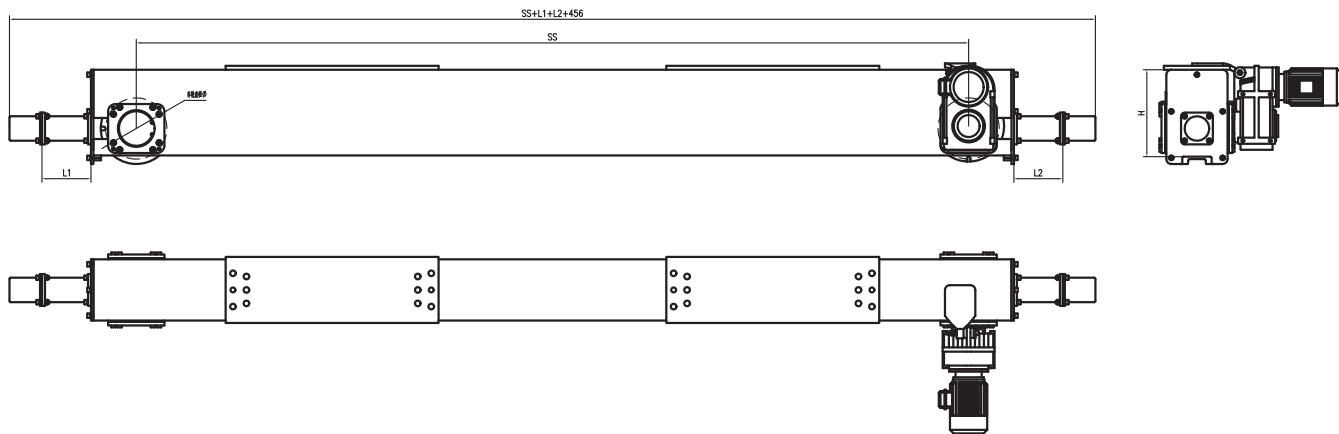
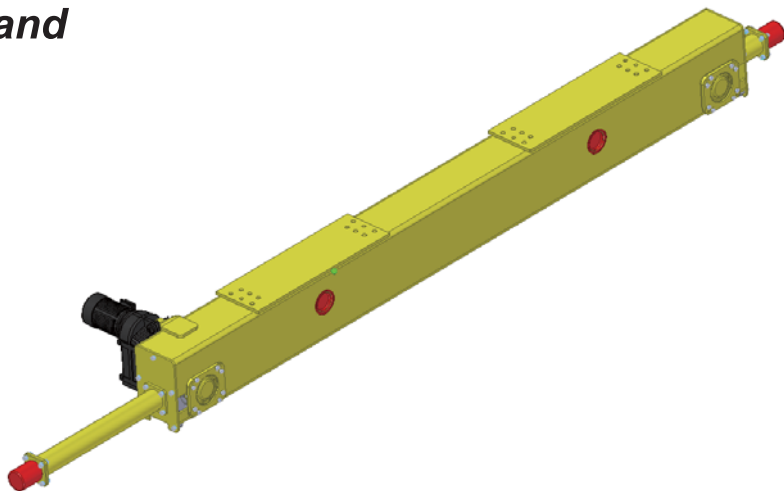
GS16 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
160	GS1618	1800	200	HS5-10.5-6 A5	167	NWHS05T-025-04-48
160	GS1622	2200	250	HS5-13.5-6 A5 HS10-10.5-6 A5	201	NWHS05T-025-04-48 NWHS10T-040-09-48
160	GS1627	2700	250	HS5-16.5-6 A5	225	NWHS05T-025-04-48
160	GS1631	3100	250	HS3.2-19.5-6 A5 HS3.2-22.5-6 A5	242	NWHS03T-016-04-48 NWHS03T-016-04-48

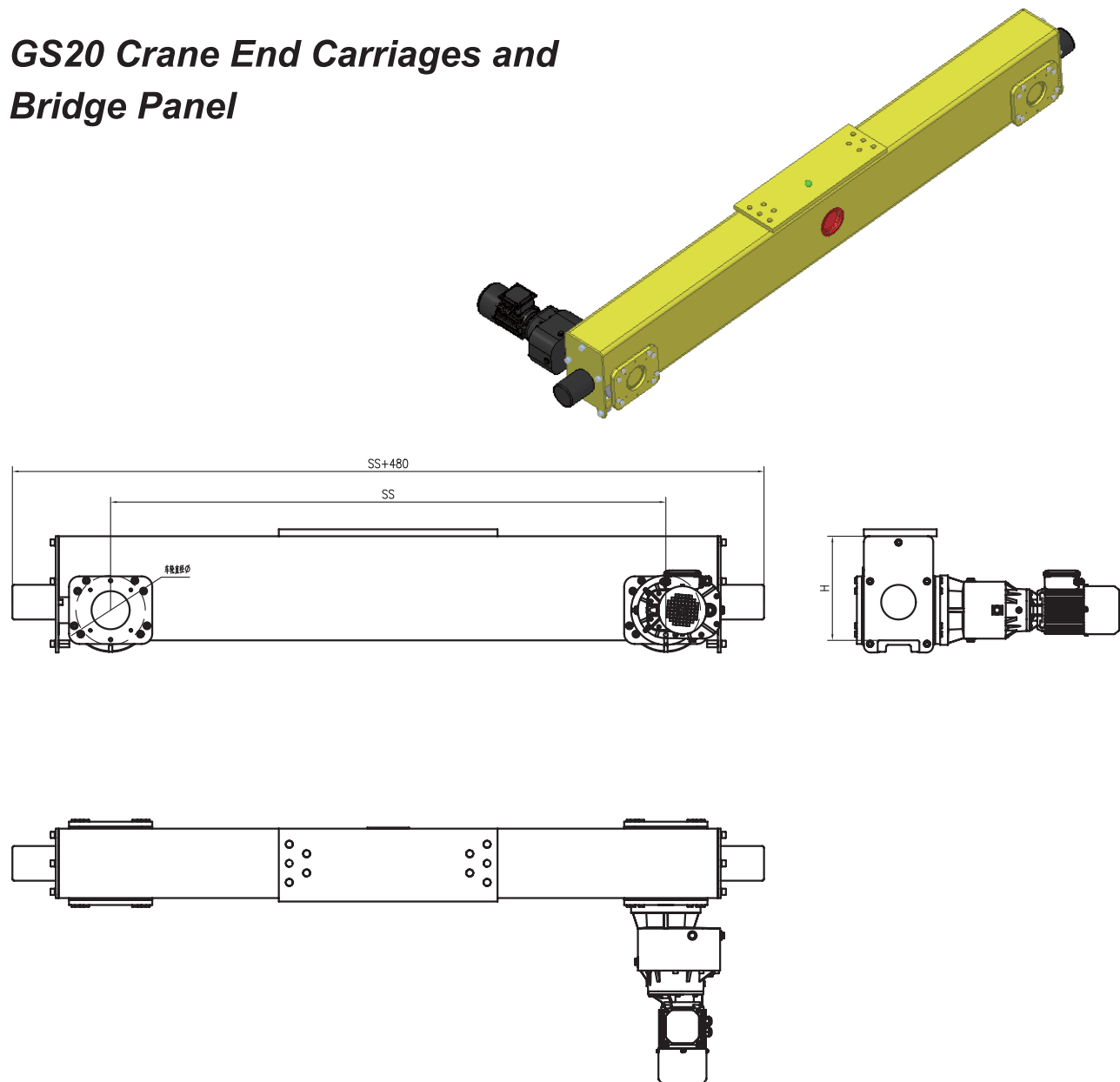
GD16 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
160	GD1628	2800	250	HD5-10.5-6 A5 HD5-13.5-6 A5	239	NWHD05T-016-04-48 NWHD05T-016-04-48

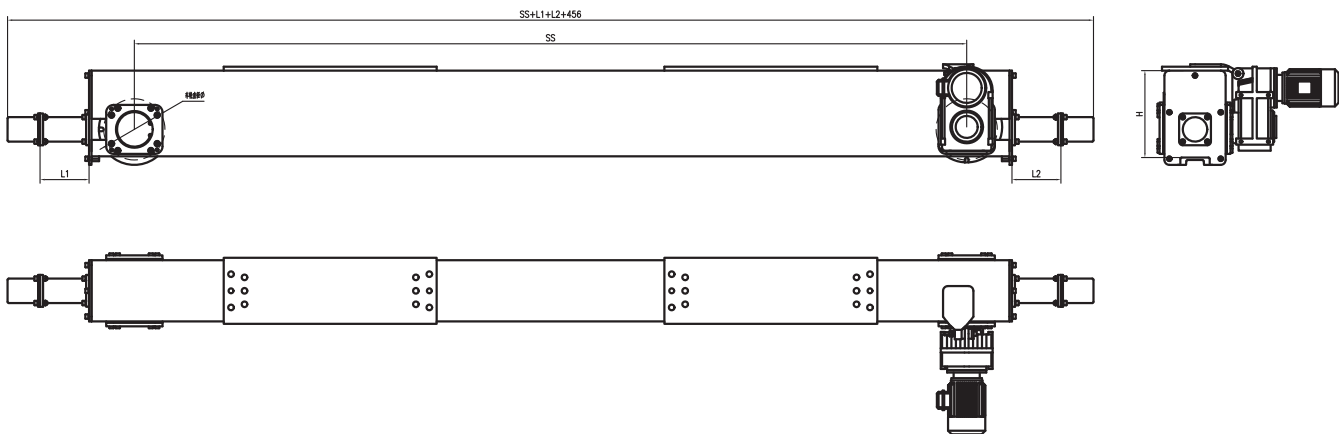
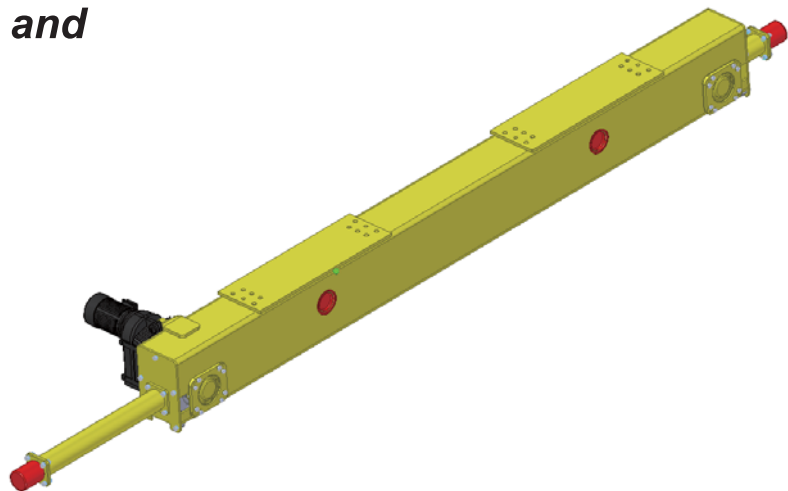
GS20 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
200	GS2022	2200	300	HS10-13.5-6 A5	291	NWHS10T-040-09-48
200	GS2027	2700	350	HS10-16.5-6 A5	341	NWHS10T-040-09-48
200	GS2031	3100	350	HS10-19.5-6 A5 HS10-22.5-6 A5	367	NWHS10T-040-09-48 NWHS10T-040-09-48
200	GS2038	3800	350	HS5-25.5-6 A5	477	NWHS05T-025-09-48
200	GS2041	4100	350	HS5-28.5-6 A5	567	NWHS05T-025-09-48

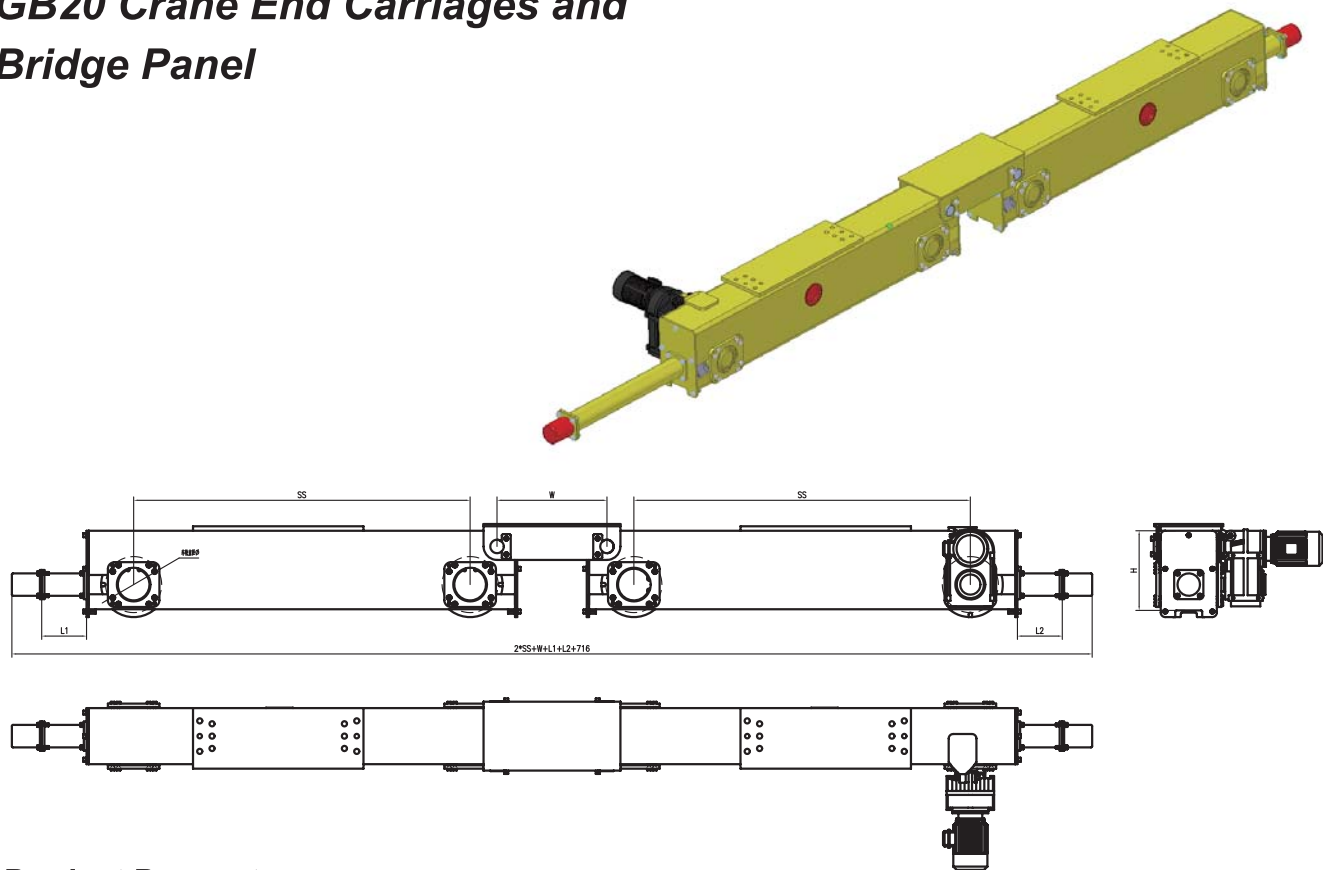
GD20 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
200	GD2028	2800	350	HD5-16.5-6 A5 HD5-19.5-6 A5	374	NWHD05T-025-07-48 NWHD05T-025-07-48
200	GD2031	3100	350	HD5-22.5-6 A5	394	NWHD05T-025-07-48
200	GD2038	3800	350	HD5-25.5-6 A5	510	NWHD05T-025-07-48
200	GD2041	4100	350	HD5-28.5-6 A5	535	NWHD05T-025-07-48

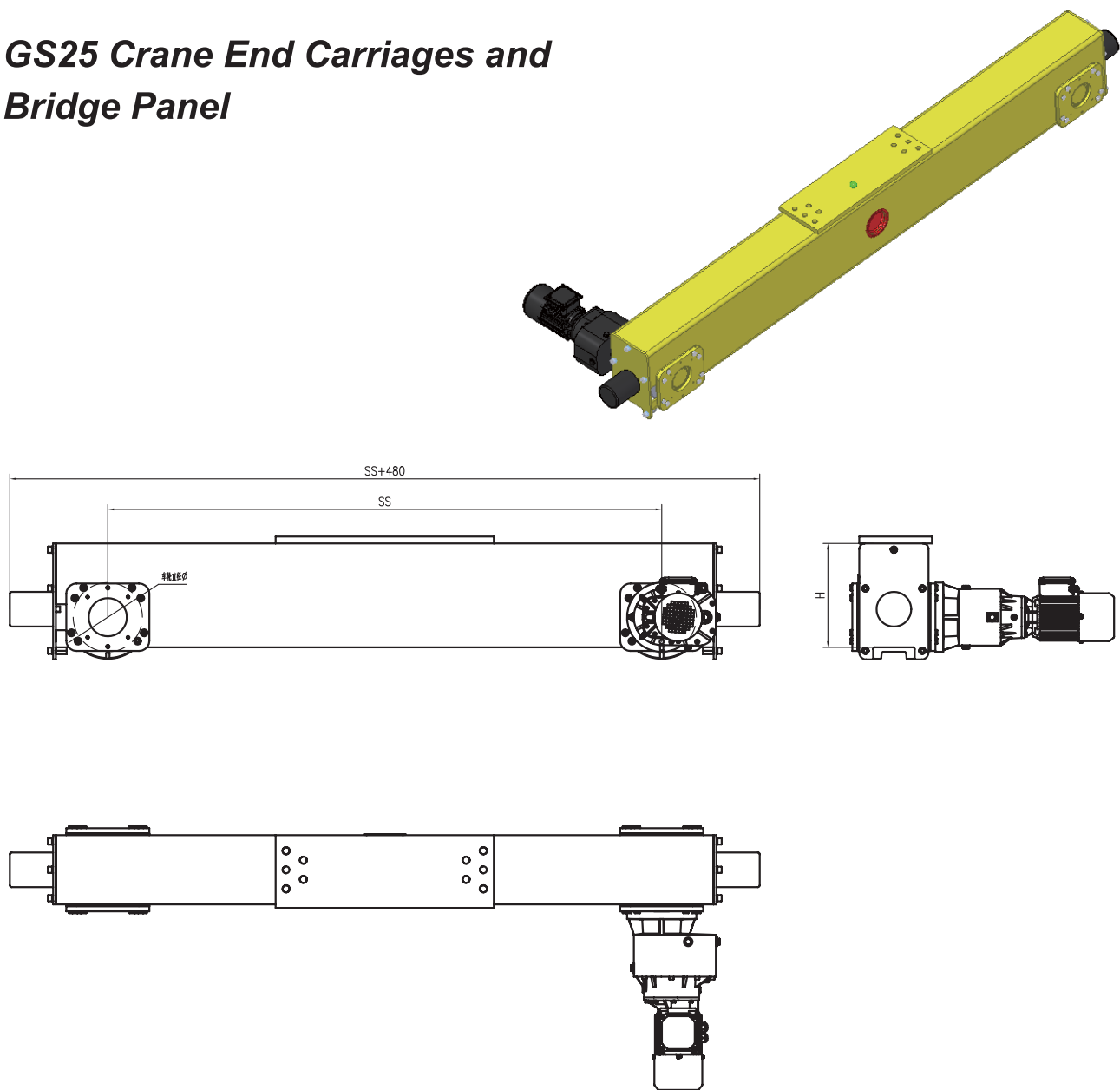
GB20 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
200	GB2012	1200	300	HD25-10.5-6 A5	472	NWHD32T-063-13-48
				HD25-13.5-6 A5		NWHD32T-063-13-48
				HD32-10.5-6 A5		NWHD32T-063-13-48
				HD32-13.5-6 A5		NWHD32T-063-13-48
200	GB2014	1400	300	HD16-25.5-6 A5	504	NWHD20T-063-13-48
				HD20-22.5-6 A4		NWHD20T-063-13-48
				HD25-16.5-6 A5		NWHD32T-063-13-48
				HD25-19.5-6 A5		NWHD32T-063-13-48
				HD25-22.5-6 A5		NWHD32T-063-17-48
				HD32-16.5-6 A5		NWHD32T-063-17-48
				HD32-19.5-6 A5		NWHD32T-063-17-48
200	GB2018	1800	300	HD10-31.5-6 A5	620	NWHD10T-040-13-48
				HD16-28.5-6 A5		NWHD20T-063-13-48
				HD16-31.5-6 A5		NWHD20T-063-13-48
				HD20-25.5-6 A4		NWHD20T-063-13-48
				HD20-28.5-6 A4		NWHD20T-063-13-48
				HD20-31.5-6 A4		NWHD20T-063-17-48
				HD25-25.5-6 A5		NWHD32T-063-17-48
				HD25-28.5-6 A5		NWHD32T-063-17-48
200	GB2020	2000	300	HD16-34.5-6 A5	658	NWHD20T-063-17-48
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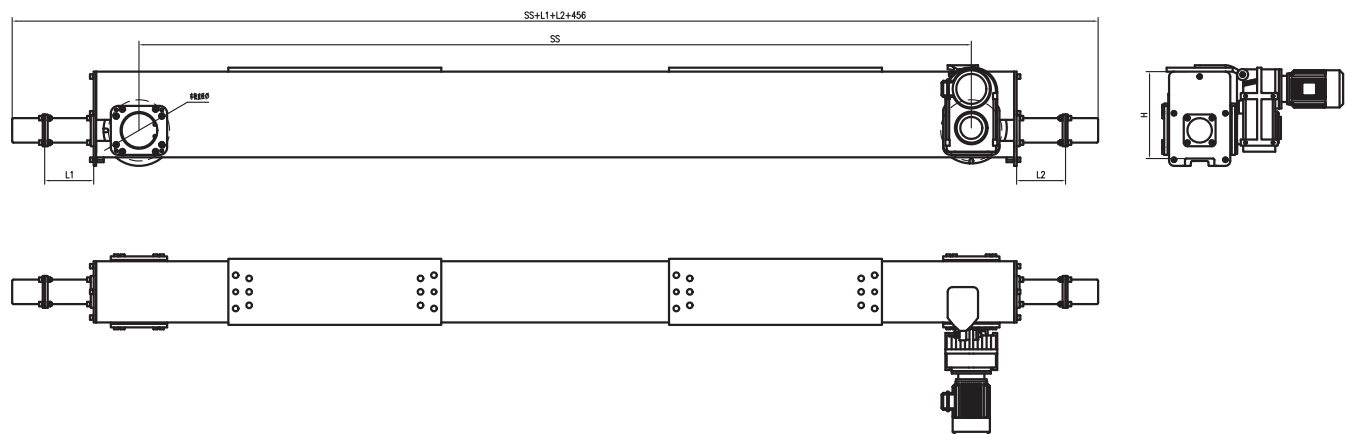
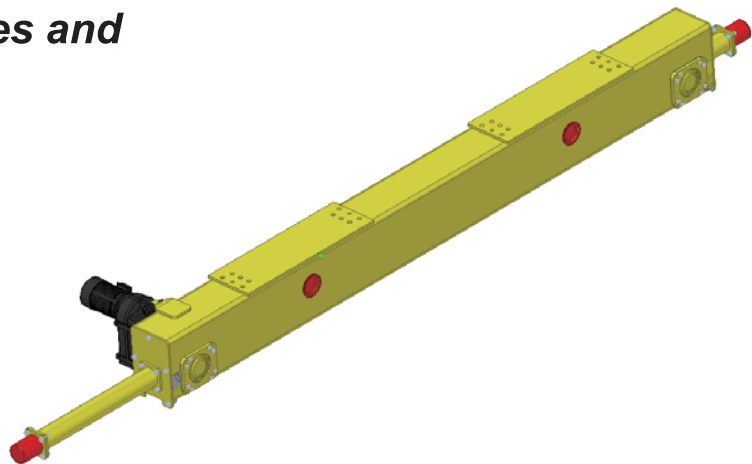
GS25 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
250	GS2538	3800	350	HS10-25.5-6 A5	665	NWHS10T-040-07-48
250	GS2541	4100	350	HS10-28.5-6 A5	697	NWHS10T-040-07-48

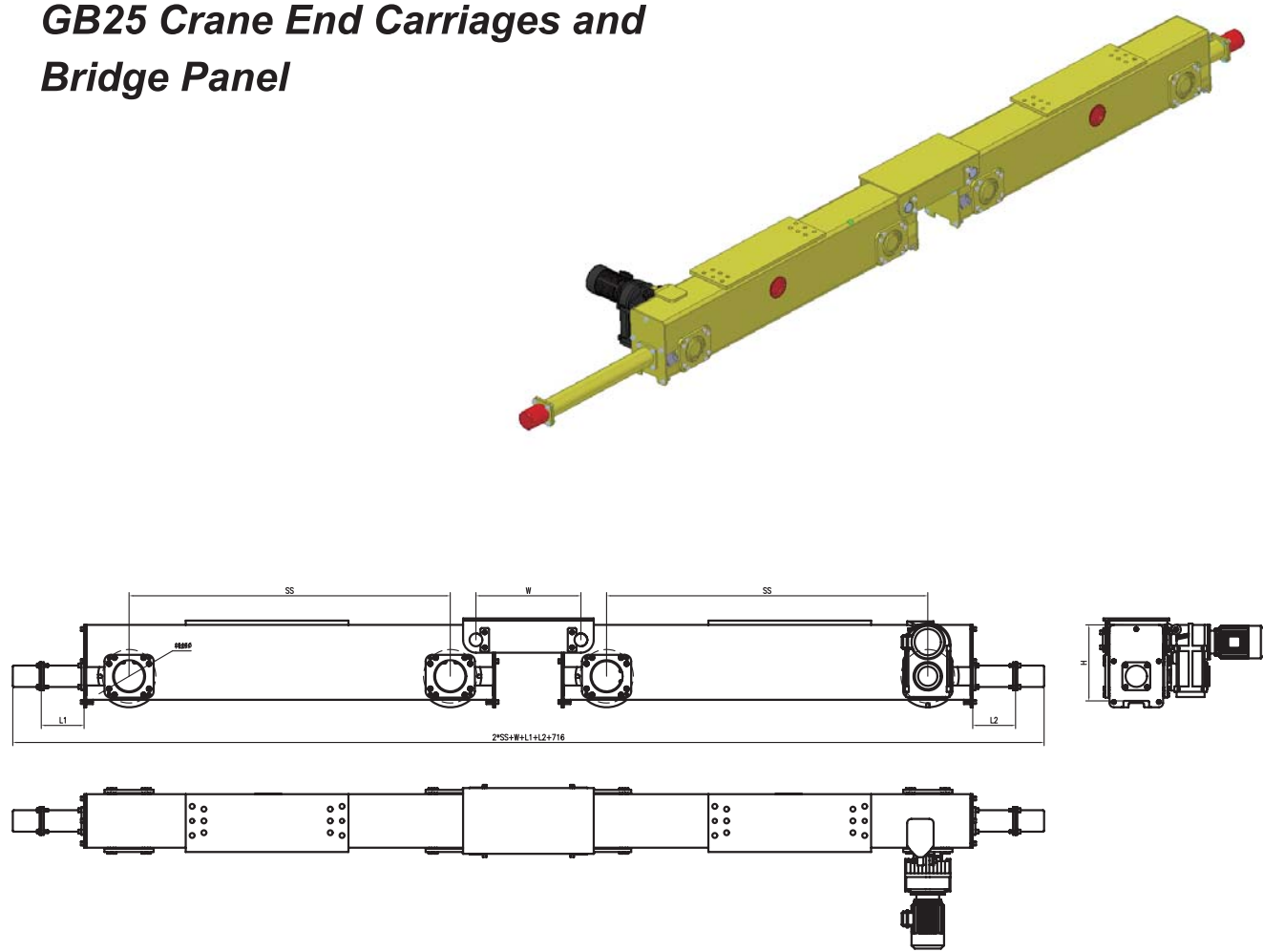
GD25 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
250	GD2528	2800	350	HD16-10.5-6 A5 HD16-13.5-6 A5 HD16-16.5-6 A5 HD20-10.5-6 A4 HD20-13.5-6 A4	521	NWHD20T-063-09-48 NWHD20T-063-09-48 NWHD20T-063-09-48 NWHD20T-063-09-48 NWHD20T-063-09-48
250	GD2531	3100	350	HD10-22.5-6 A5 HD16-19.5-6 A5 HD20-16.5-6 A4 HD20-19.5-6 A4	548	NWHD10T-040-09-48 NWHD20T-063-09-48 NWHD20T-063-09-48 NWHD20T-063-13-48
250	GD2534	3400	350	HD16-22.5-6 A5	574	NWHD20T-063-09-48
250	GD2538	3800	350	HD10-25.5-6 A5	680	NWHD10T-040-09-48
250	GD2541	4100	350	HD10-28.5-6 A5	712	NWHD10T-040-09-48
250	GD2545	4500	400	HD5-31.5-6 A5	820	NWHD05T-025-07-48

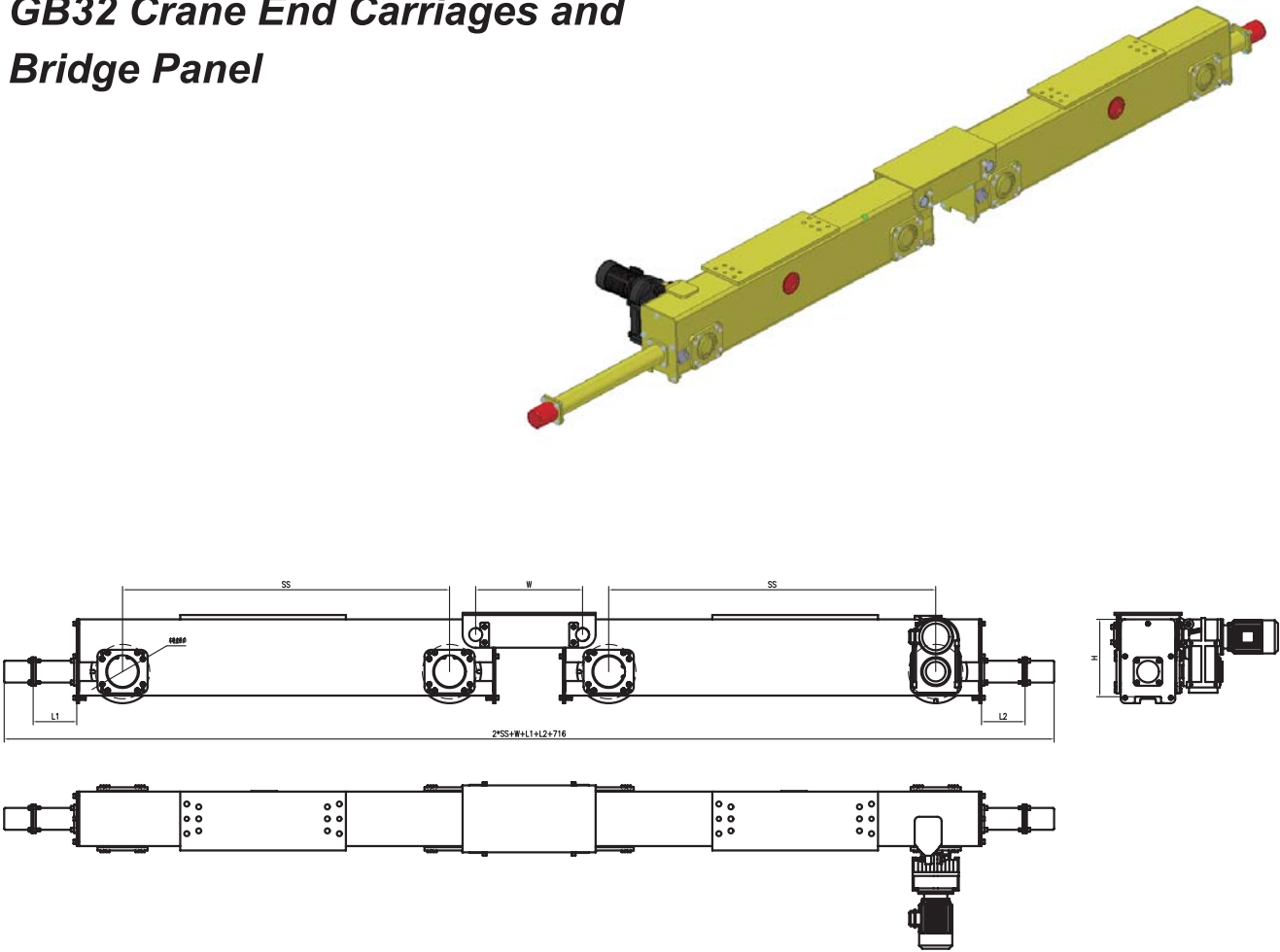
GB25 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
250	GB2514	1400	350	HD40-10.5-6 A4	693	NWHD50T-100-17-48
				HD40-13.5-6 A4		NWHD50T-100-17-48
				HD40-16.5-6 A4		NWHD50T-100-17-48
				HD40-19.5-6 A4		NWHD50T-100-17-48
250	GB2518	1800	350	HD32-22.5-6 A5	839	NWHD32T-063-17-48
				HD32-25.5-6 A5		NWHD32T-063-17-48
				HD32-28.5-6 A5		NWHD32T-063-17-48
				HD32-31.5-6 A5		NWHD32T-080-25-48
				HD40-22.5-6 A4		NWHD50T-100-17-48
250	GB2520	2000	350	HD32-34.5-6 A5	887	NWHD32T-080-25-48

GB32 Crane End Carriages and Bridge Panel



Product Parameter

Wheel Diameter (mm)	End Carriages Model	Wheelspan(SS) (mm)	Height(H) (mm)	Applicable Crane Model	Weight (kg)	Bridge Panel
320	GB3214	1400	400	HD50-10.5-6 A5	1011	NWHD50T-100-17-48
320	GB3216	1600	400	HD50-13.5-6 A5	1067	NWHD50T-100-17-48
				HD50-16.5-6 A5		NWHD50T-100-17-48
				HD50-19.5-6 A5		NWHD50T-100-17-48
320	GB3218	1800	400	HD40-25.5-6 A4	1129	NWHD50T-100-17-48
				HD40-28.5-6 A4		NWHD50T-100-17-48
				HD40-31.5-6 A4		NWHD50T-100-25-48
				HD50-22.5-6 A5		NWHD50T-100-25-48
				HD50-25.5-6 A5		NWHD50T-100-25-48
				HD50-28.5-6 A5		NWHD50T-100-25-48
320	GB3221	2100	400	HD40-34.5-6 A4	1215	NWHD50T-100-25-48
				HD50-31.5-6 A5		NWHD50T-100-25-48
				HD50-34.5-6 A5		NWHD50T-100-25-48

>>> Crane kits Sales Manual



NCH Electric Chain Hoist Code

NCH	2	07	1	100	08	M
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No. Code Description Notes / Properties

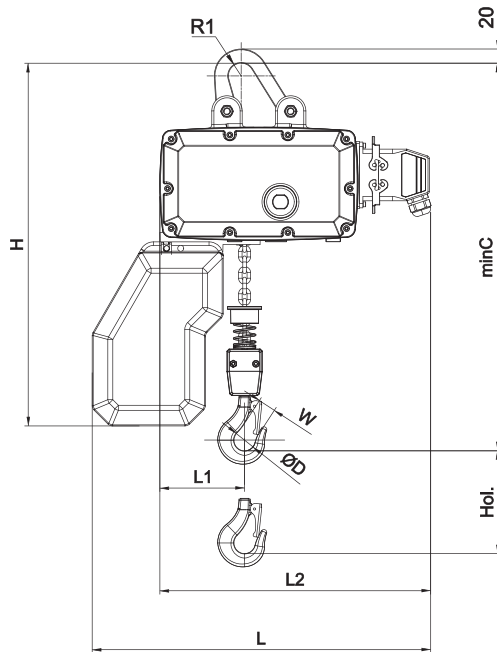
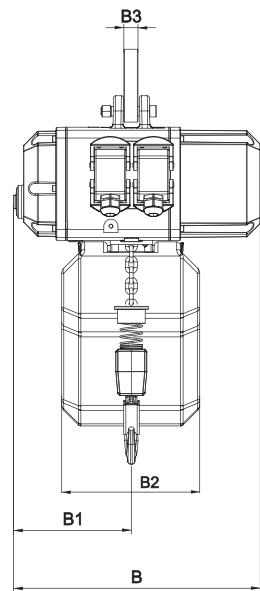
1	NCH	Electric Chain Hoist Code	
2	2	Series Code	1, 2, 5 refer to NCH1, NCH2, NCH5 series
3	07	Chain Diameter	05 Chain Specification: 5 x 15 07 Chain Specification: 7 x 21 09 Chain Specification: 9 x 27 11 Chain Specification: 11 x 31
4	1	Number of Falls	1 Single Fall Load Lifting 2 Double Fall Load Lifting
5	100	Rated Load Capacity	050 1) 050=50 x 10kg=500kg 100 2) 100=100 x 10kg=1000kg
6	08	Lifting Speed	03 Hoist Lifting Speed: 3.2/0.75m/min 04 Hoist Lifting Speed: 4/1m/min 06 Hoist Lifting Speed: 6.3/1.6m/min 08 Hoist Lifting Speed: 8/2m/min 16 Hoist Lifting Speed: 16/4m/min
7	M	Structure Type	F Fixed Electric Chain Hoist P Manual Trolley Electric Chain Hoist M Monorail type Electric Chain Hoist E Crane type Electric Chain Hoist

Selection Table of NCH Electric Chain Hoist

Load Capacity (kg)	Hoist Model	F.E.M	ISO	Number of Falls	Lifting Speed (m/min)	Lifting Power (kw)	Type
250kg	NCH1051 02508	3m	M6	1	8/2	0.75/0.18	F/P/M/E
250kg	NCH1051 02516	1Am	M4	1	16/4	0.75/0.18	F/P/M/E
320kg	NCH1051 03208	2m	M5	1	8/2	0.75/0.18	F/P/M/E
500kg	NCH1051 05008	1Am	M4	1	8/2	0.75/0.18	F/P/M/E
500kg	NCH2071 05008	3m	M6	1	8/2	1.9/0.45	F/P/M/E
500kg	NCH2071 05016	2m	M5	1	16/4	1.9/0.45	F/P/M/E
630kg	NCH1052 06304	2m	M5	2	4/1	0.75/0.18	F/P/M/E
630kg	NCH2071 06308	3m	M6	1	8/2	1.9/0.45	F/P/M/E
1000kg	NCH1052 10004	1Am	M4	2	4/1	0.75/0.18	F/P/M/E
1000kg	NCH2071 10008	2m	M5	1	8/2	1.9/0.45	F/P/M/E
1000kg	NCH5091 10016	1Am	M4	1	16/4	3.5/0.86	F/M/E
1600kg	NCH2072 16004	3m	M6	2	4/1	1.9/0.45	F/P/M/E
1600kg	NCH5091 16008	2m	M5	1	8/2	3.5/0.86	F/M/E
2000kg	NCH2072 20004	2m	M5	2	4/1	1.9/0.45	F/P/M/E
2000kg	NCH5111 20008	1Am	M4	1	8/2	3.5/0.86	F/M/E
2000kg	NCH5111 20006	2m	M5	1	6.3/1.6	3.5/0.86	F/M/E
2500kg	NCH5092 25004	2m	M5	2	4/1	3.5/0.86	F/M/E
2500kg	NCH5111 25006	1Am	M4	1	6.3/1.6	3.5/0.86	F/M/E
3200kg	NCH5092 32004	1Am	M4	2	4/1	3.5/0.86	F/M/E
3200kg	NCH5112 32003	3m	M6	2	3.2/0.75	3.5/0.86	F/M/E
4000kg	NCH5112 40003	2m	M5	2	3.2/0.75	3.5/0.86	F/M/E
4000kg	NCH5112 40004	1Am	M4	2	4/1	3.5/0.86	F/M/E
5000kg	NCH5112 50003	1Am	M4	2	3.2/0.75	3.5/0.86	F/M/E

Note: For other non-standard tonnage hoists, please check with sales from Novocrane.

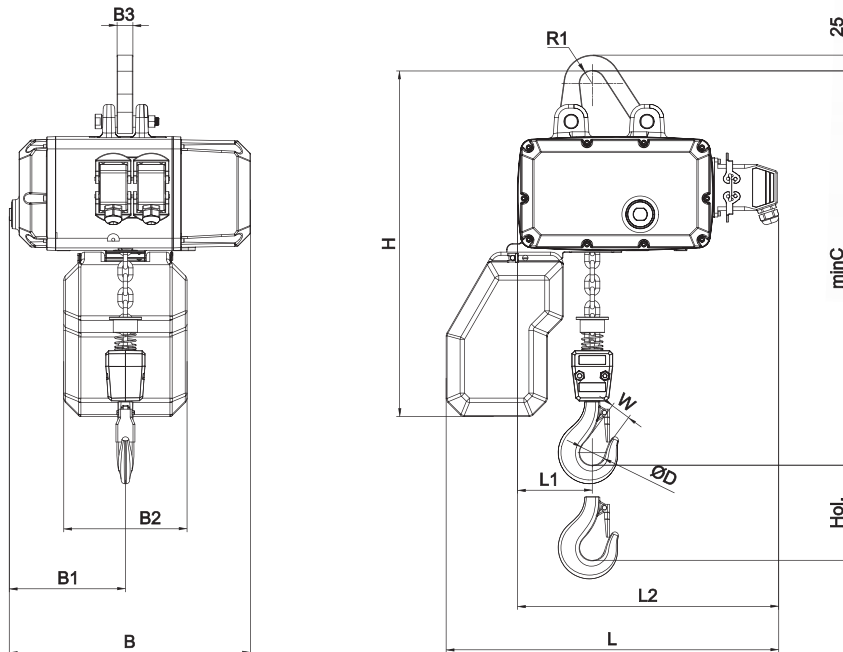
NCH1 Fixed Type Electric Chain Hoist
(F) -1 Fall



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		320kg	500kg		
B		348.5		Lifting Motor Power kw	0.75/0.18
B1		166.5			
B2		195		Lifting Motor RPM r/min	2860/740
B3		20			
L		478.5		Trolley Motor Power kw	/
L1		115			
L2		383		Trolley Motor RPM r/min	/
H	HoI≤ 12m	512			
	HoI≤ 28m	662		Trolley Speed m/min	/
R1		18			
W		27		Protection Class	IP54
D		34			
C		465	475	Insulation Class	F
Applicable Model for Overall Dimensions		NCH1051 02508F NCH1051 03208F NCH1051 02516F	NCH1051 05008F		
		Total Weight/kg			
		30+(HoI-3)*0.55			

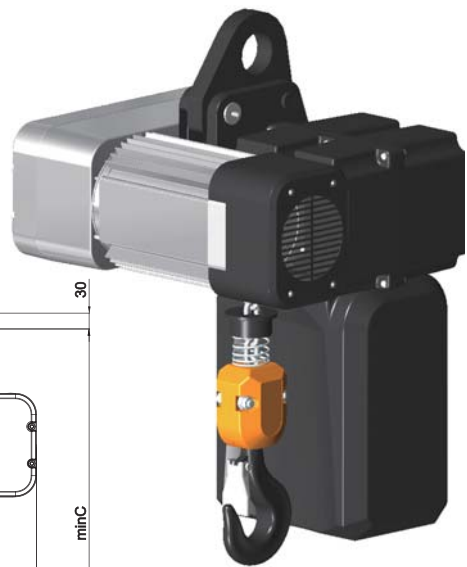
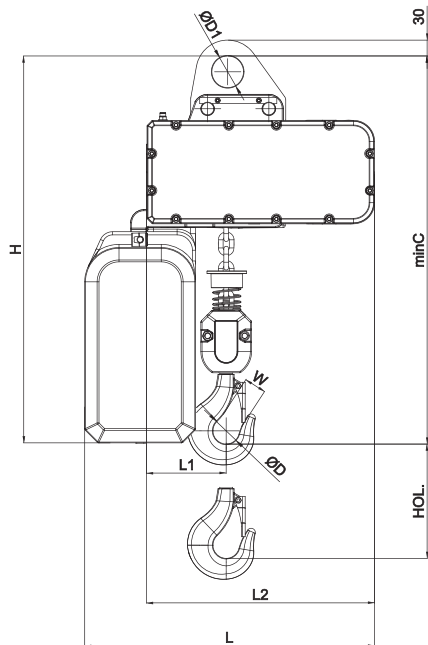
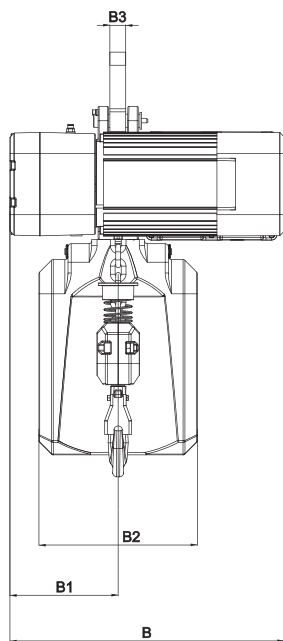
NCH2 Fixed Type Electric Chain Hoist (F) -1 Fall



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		1000kg			
B		381.5		Lifting Motor Power kw	1.9/0.45
B1		184			
B2		195		Lifting Motor RPM r/min	2860/740
B3		25			
L		526		Trolley Motor Power kw	/
L1		118.5			
L2		413		Trolley Motor RPM r/min	/
H	Hol ≤ 8m		547		
	Hol ≤ 16m		697	Trolley Speed m/min	/
R1		20			
W		32		Protection Class	IP54
D		40			
C		519		Insulation Class	F
Applicable Model for Overall Dimensions		NCH2071 05008F NCH2071 05016F NCH2071 06308F NCH2071 10008F			
				Total Weight/kg	
				49+(Hol-3)*1.08	

NCH5 Fixed Type Electric Chain Hoist
(F) -1 Fall

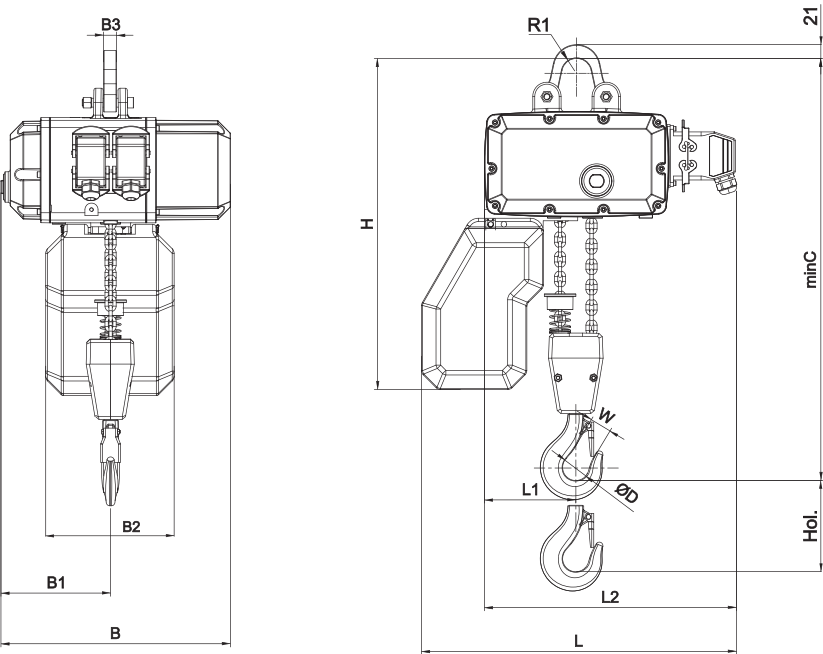


Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		1600kg	2500kg		
B		519		Lifting Motor Power kw	3.5/0.86
B1		205			
B2		300		Lifting Motor RPM r/min	2860/740
B3		30			
L		549		Trolley Motor Power kw	/
L1		270	268		
L2		432		Trolley Motor RPM r/min	/
H	HoI ≤ 16m	733	/		
	HoI ≤ 12m	/	733	Trolley Speed m/min	/
D1		60			
W		38	40	Protection Class	IP54
D		48	50	Insulation Class	F
C		643	650	1600kg: Total Weight/kg	
Applicable Model for Overall Dimensions		NCH5091 10016F NCH5091 16008F	NCH5111 20008F NCH5111 20006F NCH5111 25006F	119+(HoI-3)*1.77	
				2500kg: Total Weight/kg	
				123+(HoI-3)*2.81	

NCH1 Fixed Type Electric Chain Hoist

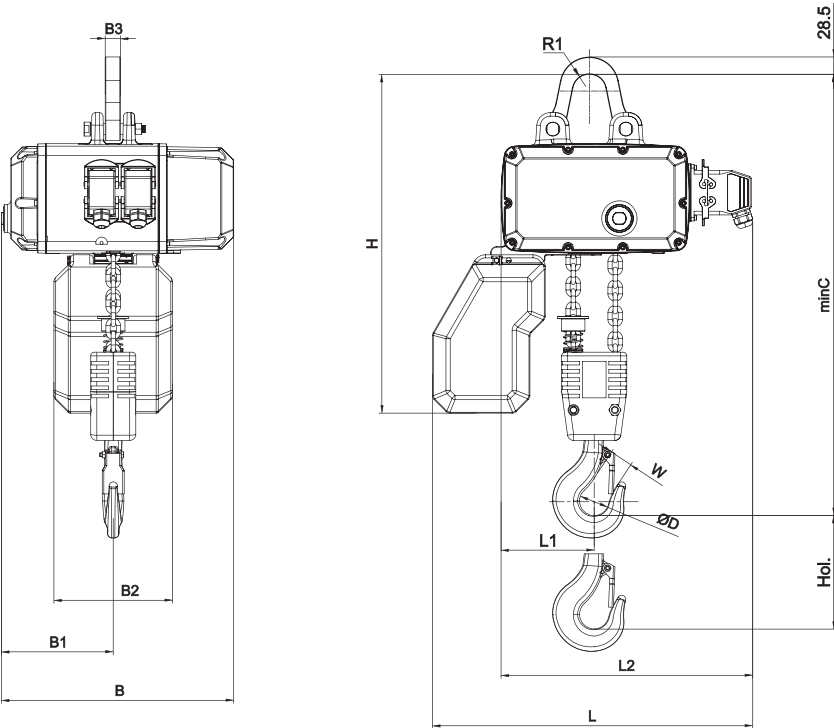
(F) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity	Relevant Parameter	
		1000kg		
B		348.5	Lifting Motor Power kw	0.75/0.18
B1		166.5		
B2		195	Lifting Motor RPM r/min	2860/740
B3		20		
L		478.5	Trolley Motor Power kw	/
L1		139		
L2		383	Trolley Motor RPM r/min	/
H	HoI ≤ 6m	503		
	HoI ≤ 14m	653	Trolley Speed m/min	/
R1		22.5		
W		32	Protection Class	IP54
D		40		
C		525.5	Insulation Class	F
Applicable Model for Overall Dimensions		NCH1052 06304F NCH1052 10004F		
			33+(HoI-3)*1.1	

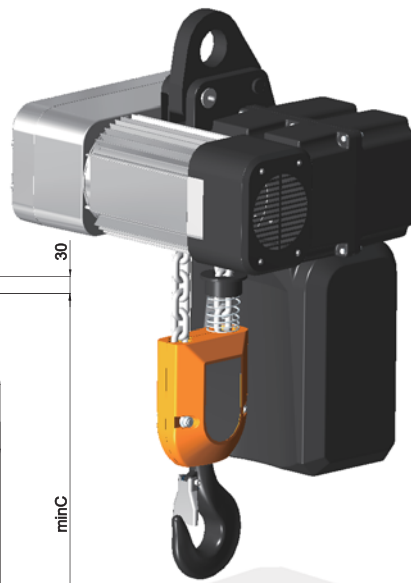
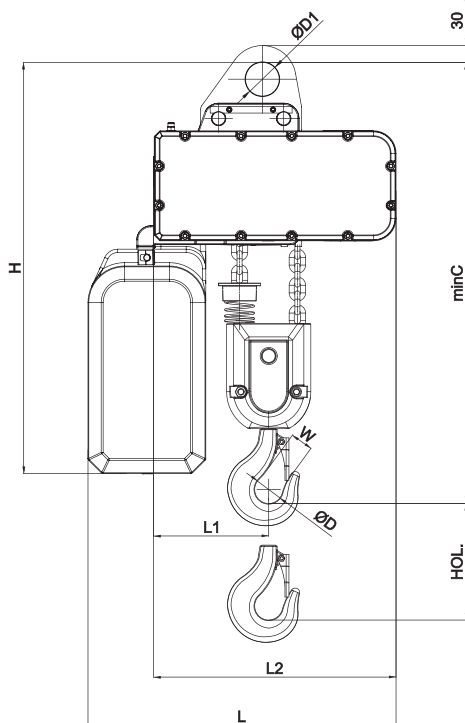
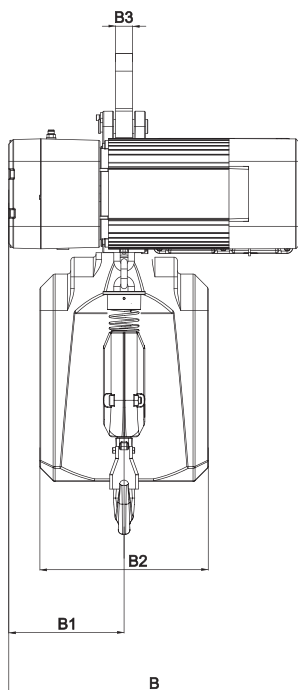
NCH2 Fixed Type Electric Chain Hoist
(F) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity	Relevant Parameter	
		2000kg		
B		381.5	Lifting Motor Power kw	1.9/0.45
B1		184	Lifting Motor RPM r/min	2860/740
B2		195	Trolley Motor Power kw	/
B3		25	Trolley Motor RPM r/min	/
L		526	Trolley Speed m/min	/
L1		152	Protection Class	IP54
L2		413	Insulation Class	F
H	Hol ≤ 4m	557	Total Weight/kg	
	Hol ≤ 8m	707		
R1		27.5		
W		40	56+(Hol-3)*2.16	
D		50		
C		630		
Applicable Model for Overall Dimensions		NCH2072 16004F NCH2072 20004F	Total Weight/kg	
			56+(Hol-3)*2.16	

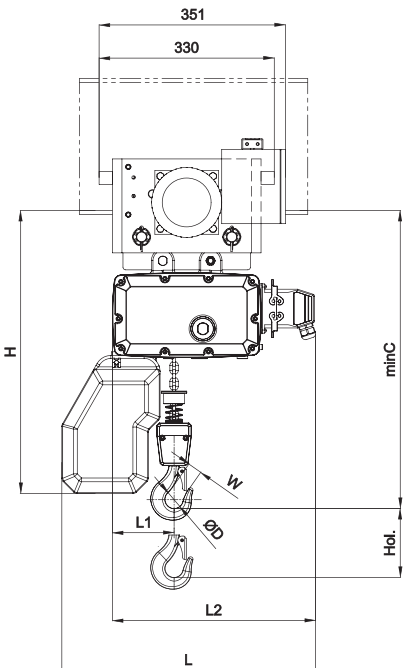
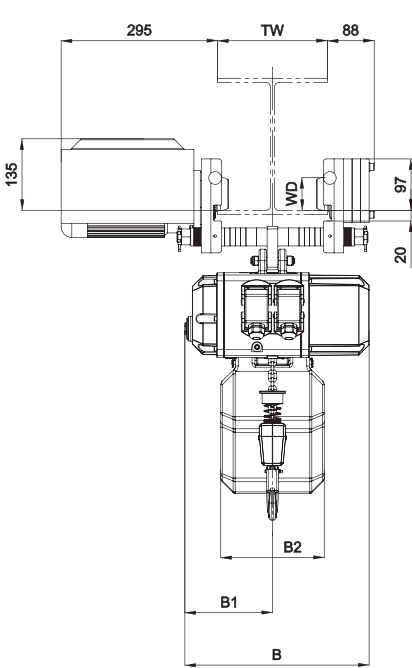
NCH5 Fixed Type Electric Chain Hoist (F) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		3200kg	5000kg		
B		519		Lifting Motor Power kw	3.5/0.86
B1		205			
B2		300		Lifting Motor RPM r/min	2860/740
B3		30			
L		549		Trolley Motor Power kw	/
L1		322	311.5		
L2		432		Trolley Motor RPM r/min	/
H	Hol ≤ 8 <i>m</i>	733	/		
	Hol ≤ 6 <i>m</i>	/	733	Trolley Speed m/min	/
D1		60			
W		40	45	Protection Class	IP54
D		50	56	Insulation Class	F
C		720	754	3200kg: Total Weight/kg	
Applicable Model for Overall Dimensions		NCH5092 25004F NCH5092 32004F	NCH5112 32003F NCH5112 40004F NCH5112 40003F NCH5112 50003F	125+(Hol-3)*3.54	
				5000kg: Total Weight/kg	
				132+(Hol-3)*5.62	

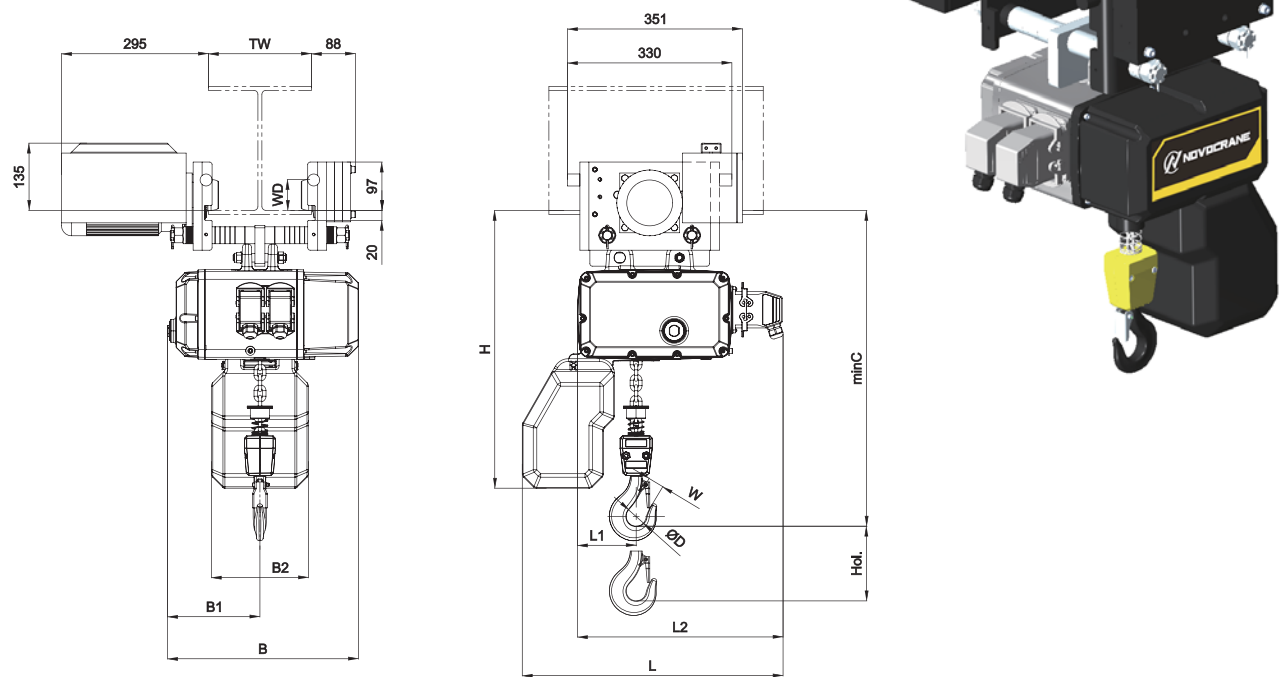
NCH1 Monorail/ Crane Type Electric Chain Hoist (M/E type) -1 Fall



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		320kg	500kg		
B		348.5		Lifting Motor Power kw	0.75/0.18
B1		166.5			
B2		195		Lifting Motor RPM r/min	2860/740
TW		50-230			
L		478.5		Trolley Motor Power kw	0.2
L1		115			
L2		383		Trolley Motor RPM r/min	1400
H	≤ 12m	540			
	≤ 28m	690		Trolley Speed m/min	5-20
WD		62			
W		27		Protection Class	IP54
D		34			
C		490	500	Insulation Class	F
Applicable Model for Overall Dimensions		NCH1051 02508M/E	NCH1051 05008M/E		
		NCH1051 03208M/E			
		NCH1051 02516M/E			
				Total Weight/kg	
				56+(Hol-3)*0.55	

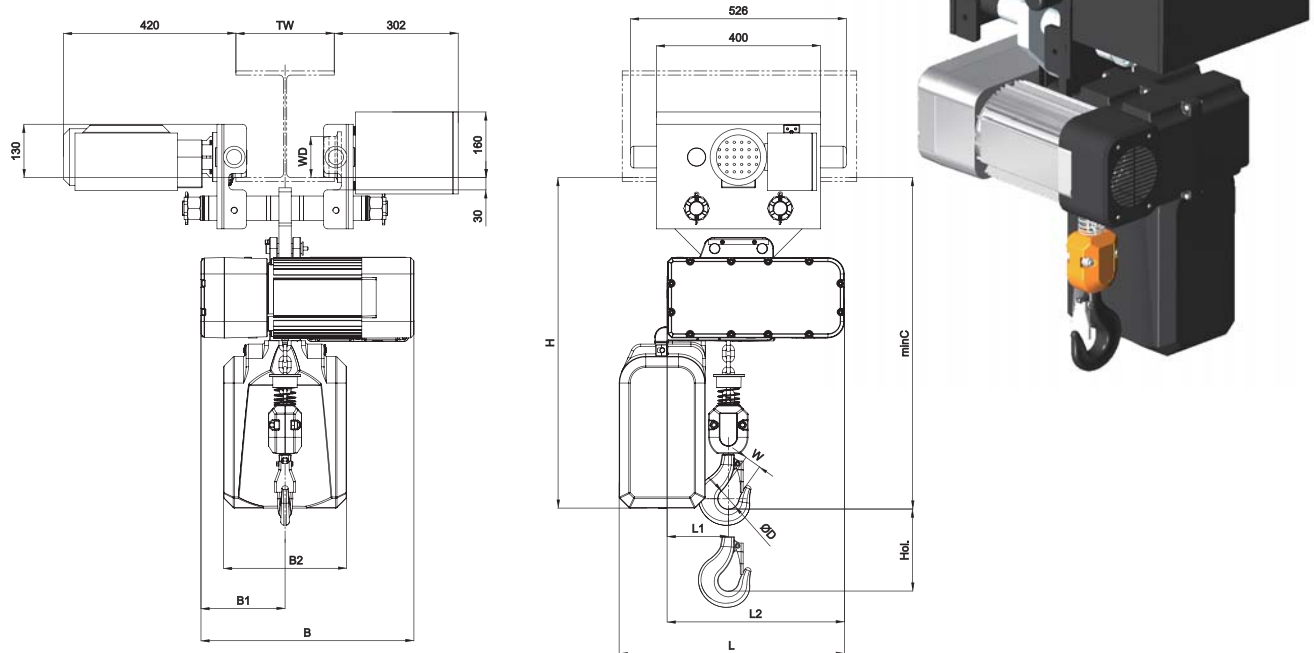
NCH2 Monorail/ Crane Type Electric Chain Hoist (M/E type) -1 Fall



Product Dimensions and Parameters

size (mm)		Rated Load Capacity	Relevant Parameter	
		1000kg		
B		381.5	Lifting Motor Power kw	1.9/0.45
B1		184		
B2		195	Lifting Motor RPM r/min	2860/740
TW		50-230		
L		526	Trolley Motor Power kw	0.2
L1		118.5		
L2		413	Trolley Motor RPM r/min	1400
H	Hol ≤ 8m	560		
	Hol ≤ 16m	710	Trolley Speed m/min	5-20
WD		62		
W		32	Protection Class	IP54
D		40		
C		540	Insulation Class	F
Applicable Model for Overall Dimensions		NCH2071 05008M/E NCH2071 05016M/E NCH2071 06308M/E NCH2071 10008M/E		
			Total Weight/kg	
		75+(Hol-3)*1.08		

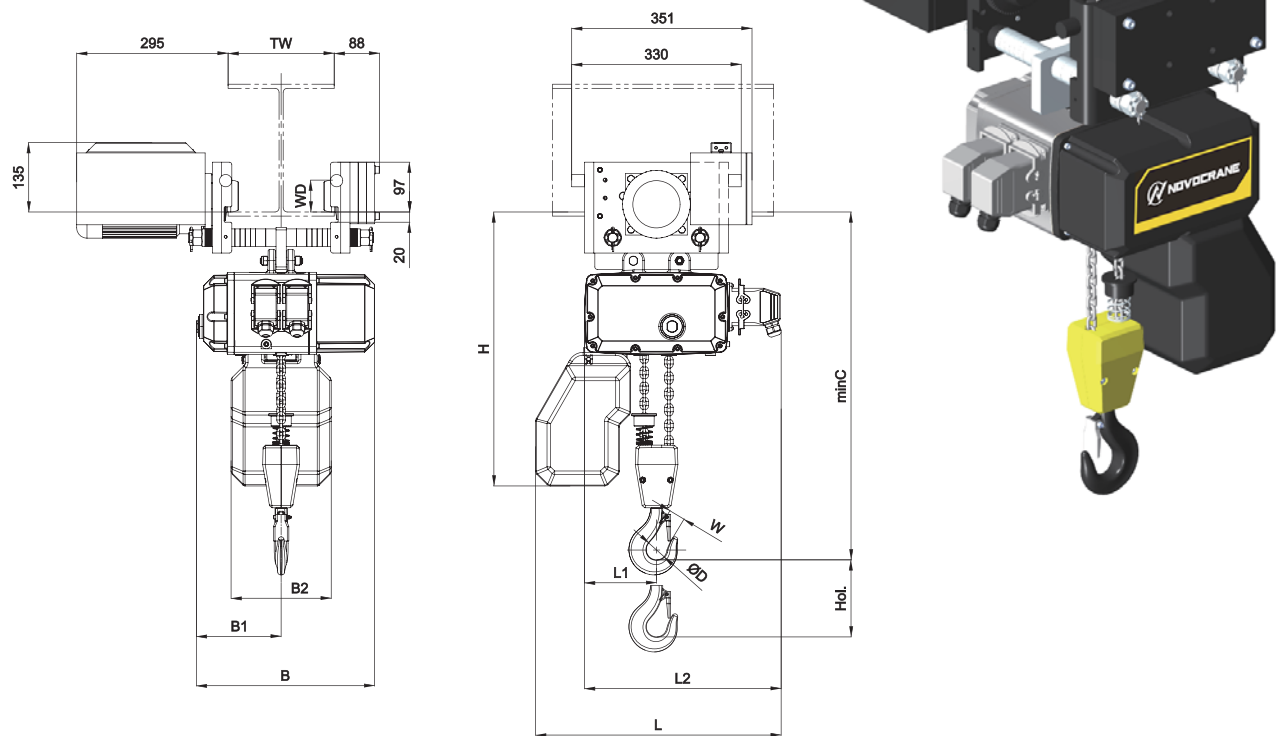
NCH5 Monorail/ Crane Type Electric Chain Hoist (M/E type) -1 Fall



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		1600kg	2500kg		
B		519		Lifting Motor Power kw	3.5/0.86
B1		205			
B2		300		Lifting Motor RPM r/min	2860/740
TW		80-300			
L		549		Trolley Motor Power kw	0.64
L1		270	268		
L2		432		Trolley Motor RPM r/min	2410
H	Hol ≤ 16m	733	/		
	Hol ≤ 12m	/	733	Trolley Speed m/min	5-20
WD		100			
W		38	40	Protection Class	IP54
D		48	50	Insulation Class	F
C		725	728	1600kg: Total Weight/kg	
Applicable Model for Overall Dimensions		NCH5091 10016M/E NCH5091 16008M/E	NCH5111 20008M/E NCH5111 20006M/E NCH5111 25006M/E	185+(Hol-3)*1.77	
				2500kg: Total Weight/kg	
				189+(Hol-3)*2.81	

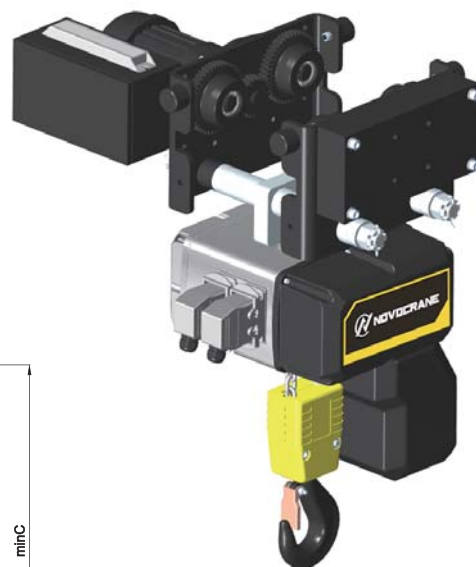
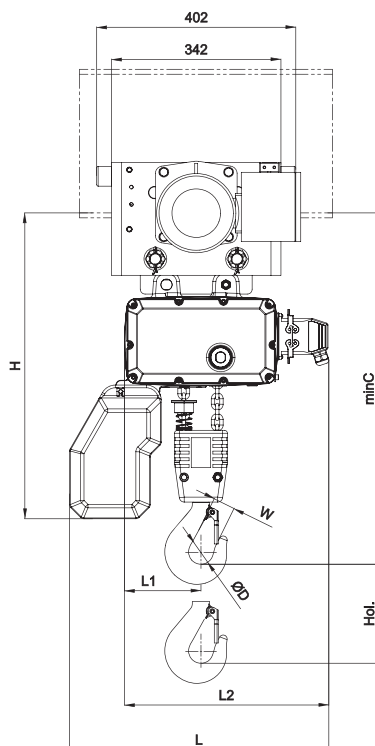
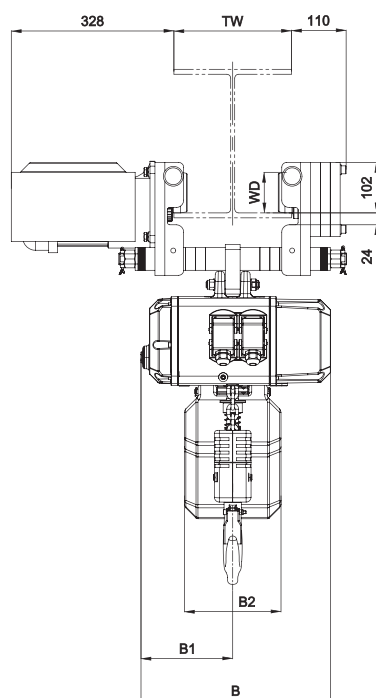
NCH1 Monorail/ Crane Type Electric Chain Hoist (M/E type) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		1000kg			
B		348.5		Lifting Motor Power kw	0.75/0.18
B1		166.5			
B2		195		Lifting Motor RPM r/min	2860/740
TW		50-230			
L		478.5		Trolley Motor Power kw	0.2
L1		139			
L2		383		Trolley Motor RPM r/min	1400
H	Hol ≤ 6m	540			
	Hol ≤ 14m	690		Trolley Speed m/min	5-20
WD		62			
W		32		Protection Class	IP54
D		40			
C		562.5		Insulation Class	F
Applicable Model for Overall Dimensions		NCH1052 06304M/E NCH1052 10004M/E			
				Total Weight/kg	
				59+(Hol-3)*1.1	

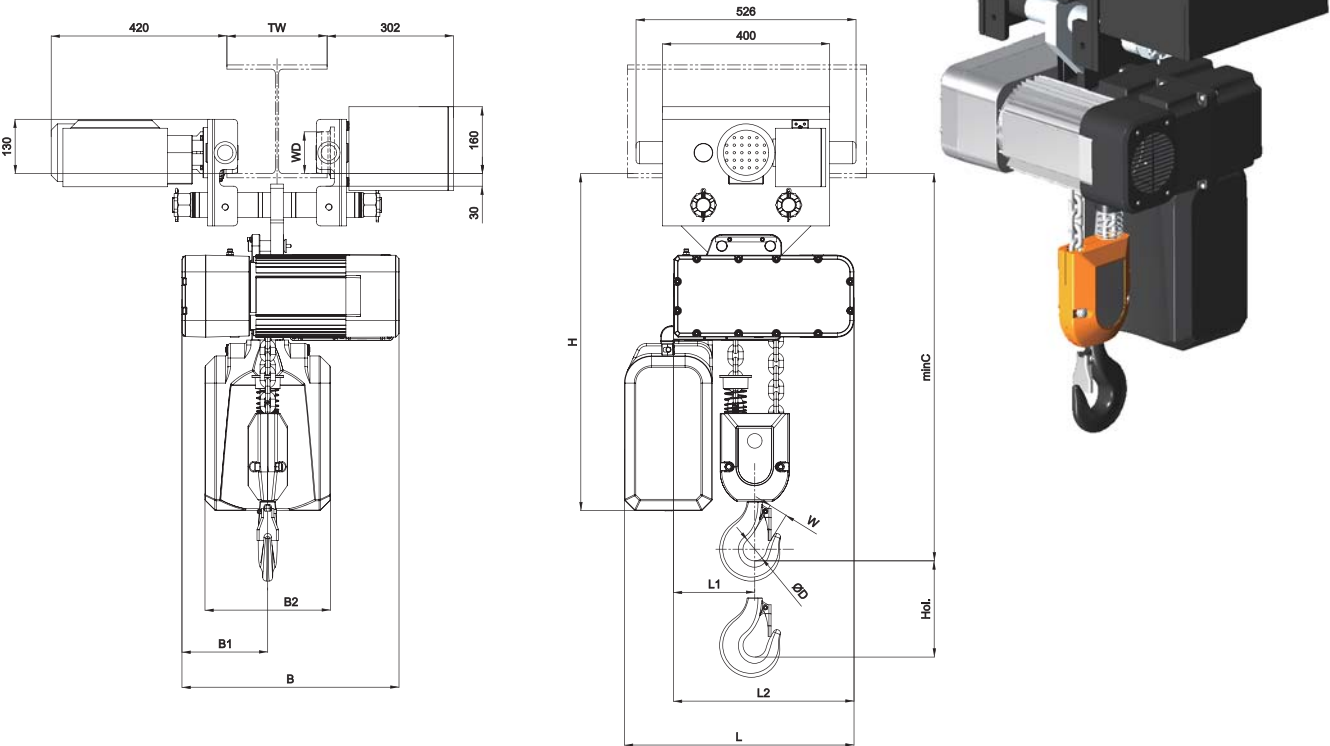
NCH2 Monorail/ Crane Type Electric Chain Hoist (M/E type) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		2000kg			
B		381.5		Lifting Motor Power kw	1.9/0.45
B1		184			
B2		195		Lifting Motor RPM r/min	2860/740
TW		70-300			
L		526		Trolley Motor Power kw	0.4
L1		152			
L2		413		Trolley Motor RPM r/min	1400
H	HoI ≤ 4m	608			
	HoI ≤ 8m	758		Trolley Speed m/min	5-20
WD		82			
W		40		Protection Class	IP54
D		50			
C		690		Insulation Class	F
Applicable Model for Overall Dimensions		NCH2072 16004M/E NCH2072 20004M/E			
				Total Weight/kg	
		100+(HoI-3)*2.16			

NCH5 Monorail/ Crane Type Electric Chain Hoist (M/E type) -2 Falls



Product Dimensions and Parameters

size (mm)		Rated Load Capacity		Relevant Parameter	
		3200kg	5000kg		
B		519		Lifting Motor Power kw	3.5/0.86
B1		205			
B2		300			
TW		80-300		Lifting Motor RPM r/min	2860/740
L		549			
L1		322	311.5	Trolley Motor Power kw	0.64
L2		432			
H	Hol ≤ 8m	733	/	Trolley Motor RPM r/min	2410
	Hol ≤ 6m	/	733		
WD		100		Trolley Speed m/min	5-20
W		40	45		
D		50	56	Insulation Class	F
C		800	832	3200kg: Total Weight/kg	
Applicable Model for Overall Dimensions		NCH5092 25004M/E NCH5092 32004M/E	NCH5112 32003M/E	191+(Hol-3)*3.54	
			NCH5112 40004M/E	5000kg: Total Weight/kg	
			NCH5112 40003M/E NCH5112 50003M/E	198+(Hol-3)*5.62	