



Sales & Service Office :
3/F, 6# Rencai Building, Xiacheng District,
Hangzhou, Zhejiang, China

Crane Factory:
Dongguan Southern Industrial Zone, Shangyu District,
Shaoxing City, Zhejiang, China

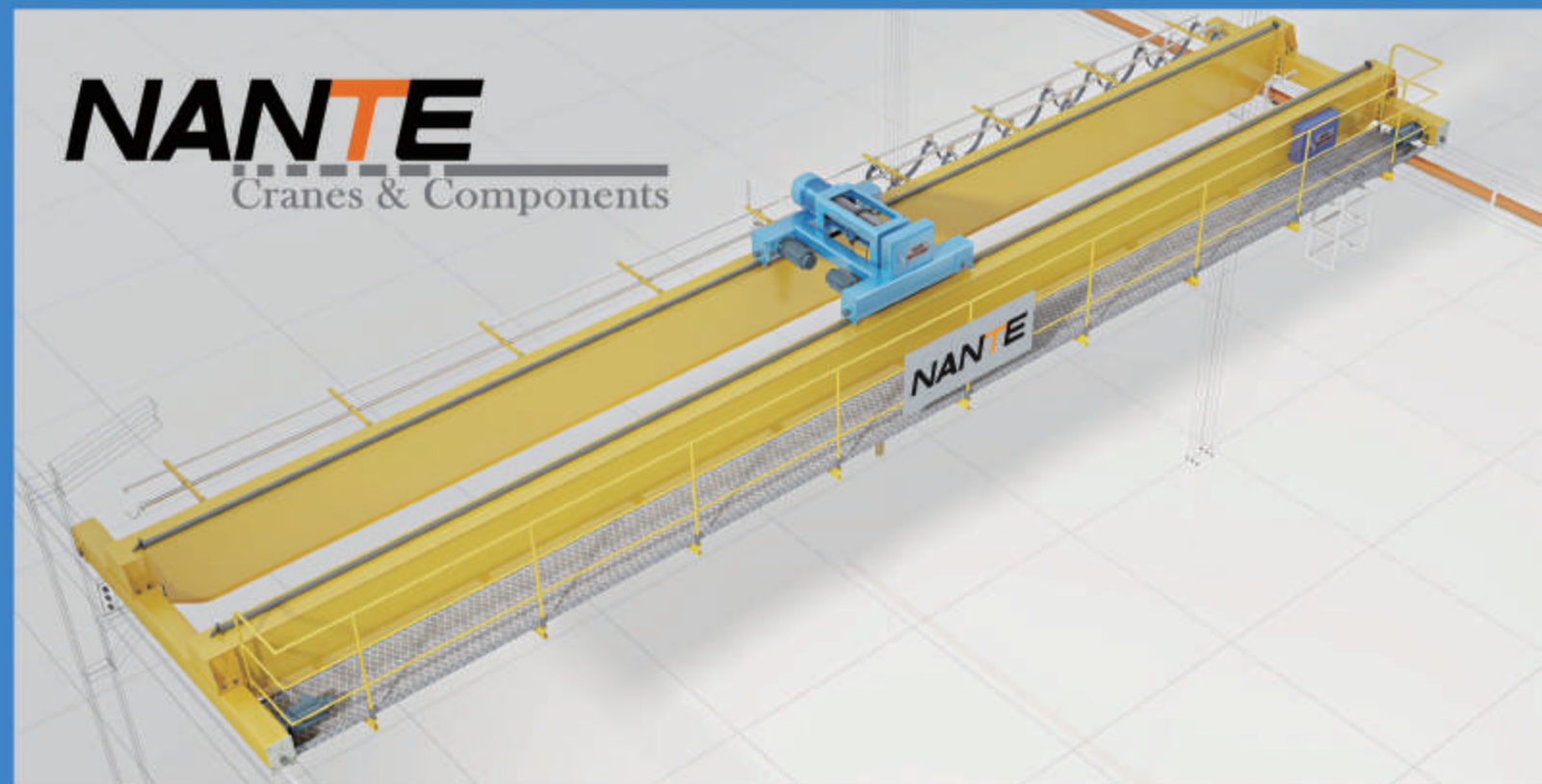
Components Factory:
Lianxing Village, Dongguan Street, Shangyu District,
Shaoxing City, Zhejiang, China

Tel: +86 - 571 - 8891 3677
Fax: +86 - 571 - 5638 9040
www.nantecrane.com
sales@nantecrane.com

DISTRIBUTOR



NANTE
Cranes & Components



COMPONENTS & HOIST



2019 VERSION

Profession, Integrity, Innovation, Win-Win



Introduction

After 20 years rapid development, NANTE and its parents company ZHONGJIAN Group has grown into a leading integrated solution provider for crane and crane components in China. Dedicated to the research and development of new lifting and handling technologies, we adopt innovative ideas and design in developing new products and services. Backed up by a wealth of industrial experience on lifting industry, We can provide to customer wide range of lifting equipment and components with scientific design, good safety, high performance, efficient operation and low maintenance cost. We are committed to help our clients to reduce investment cost, improve production efficiency, and economize energy consumption.

Our Products

In order to offer our clients with a complete set of competitive lifting solution. We deliver a wide range of products include:

1. Lifting Equipments for Construction: Beam Launcher, Gantry Crane, Segment Lifter, Form Traveler, and Bailey Bridge etc.
2. Lifting Equipments for Industry: Overhead Crane, Gantry Crane, Jib Crane, Light Crane System.
3. Crane Components: Electrical Hoist & Winch, End Carriage, Control Panel, Conductor Rail, Festoon system, Crane Rail, Flat Cable, Pendant/Remote Control, Crane Cabin etc.



Our Service

We can provide to customer an integrated solution which includes project consultant, design, manufacturing,



transportation, installation, maintenance and technical support. Our one-stop services can not only save our customers time but also minimize their cost. In compliance with our service concept "Customer First", we provide the following support services to ensure smooth running of customer's lifting and handling, Presale Technical Support, After-sale Maintenance, Spare Parts Support and Customized Solutions.

Quality Control

Quality concept lies deeply in our blood. We are awarded Class-A (Top) license of specialized equipment manufacturing and repairing officially by China's State Administration of Quality Supervision, Inspection and Quarantine.

All of our deliverables have been certified against ISO9001-2008 quality management system. Streamlined quality management system ensures overall control over material purchase, production, assembly, transportation, and installation. We want to make sure that we always deliver high quality products to our customers.

We are equipped with testing equipments and facilities required for quality control. Our quality control team includes qualified NDT staffs and welding engineers. Furthermore, we hold regularly quality control training sessions and activities to improve working performance and product quality.



R&D Strength

All staffs in our R&D Center are engineers with many years of experiences in lifting equipment design. They input great efforts in technology transformation, computerized designing and integration. We can not only design the product with the national regulated safety technique specifications and design standards, but also BS, DIN, and other international standard.

To name some strength of our R&D:

1. We are the Beam launcher National standards drafting company.
2. We design and build the China highest truss gantry crane.
3. We design and build China longest beam launcher.



Wire Rope Hoist 01-06
NHA / NHB / CD/MD



Winch and Chain Hoist 07-10
NW / NCH



End Carriage, Wheel Block, Wheel Sets 11-25
HSE / HSB / HSW Hollow Shaft Type
OGE / OGB / OGW Open Gear Type



Flat bar, Crane Rail and Accessories 26-32
Flat Bar, P Rail / QU Rail / A Rail,
Rubber Pad, Rail Clamp, Rail Joint plate.



Enclosed Conductor Rail 33-44
HFP56 & HFP52 & HFP95



Conductor Rail 44-64
HTR High Tro Reel System
NSP-H32 / H24 / H19 Unipole Conductor Rail



Festoon System 65-82
C track festoon system
I beam festoon system.
Wire rope /Angel Bar festoon system
Energy Chain System



Cable Reeling System 83-84
MCR Motorized Cable Reel
SCR Spring Cable Reel



Electric Cable 85-90
YFFB flat cable, RVV1,2 Pendant Cable
RVV power and transmission cable
RVV-PUR Cable Reel cable
RVV-TLC Energy Chain Cable



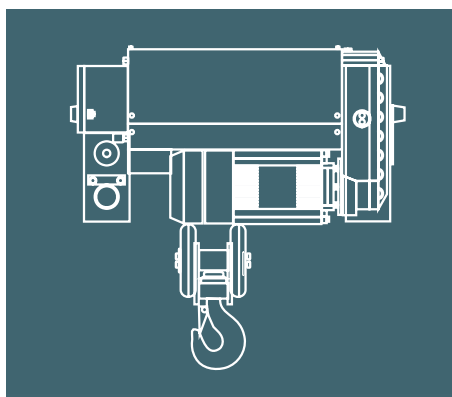
Crane Cabin and Control Panel 91-96
NTC Control Cabin
NCP Long Travel Control Panel



Remote Control and Pendant Control 97-100
F21 / F24 / F24+ / NXAC



Other Crane Electrical Appliance 101-105
Limited switch, Sound and Revolving Light
Crane Safety Device

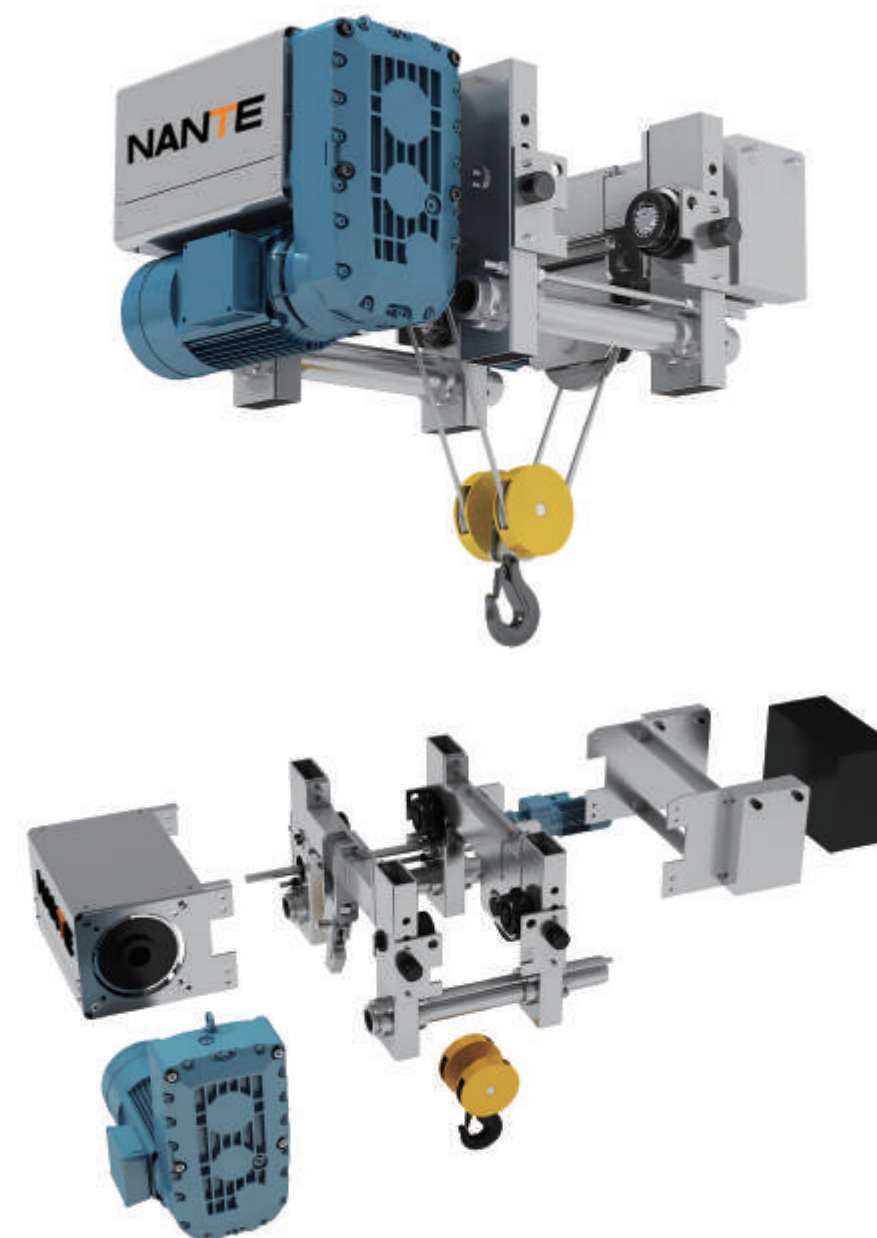


Wire Rope Hoist

Crane Lifting Mechanism

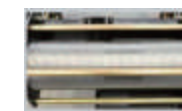
Catalogue

NHA - NH - CD - MD Series



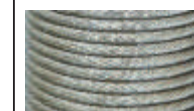
Lifting Gear Motor

Compact design, smooth operation and low noise level.
Three-in-one system integrated by pole-changing professional hoisting motor, Different gear ratio makes more options for different lifting speed.
Low energy consumption motor
High performance and stable brake with electromagnetic disk type.
IP55(IP56, IP66 is options),
Class F(Class H is options).



Rope Drum

Made of seamless tube, CNC machined with precision of concentricity.
Advanced processing methods ensure concentricity of the reels.
The depth of rope groove complies with the FEM standard.
High-strength lock plates are fastened on drum to hold the wire rope ensuring the safety of lifting.



Wire Rope

Top brand wire rope, adopt high-performance and high-tensile wire rope with zinc surfacing-plating, effectively prevent corrosion, high breaking force and good flexibility.



Rope Guider

Use special high-strength Nylon which light weight, good wear resistance, Prevent wire rope from skipping and losing to off-groove, and safety first.



Hook

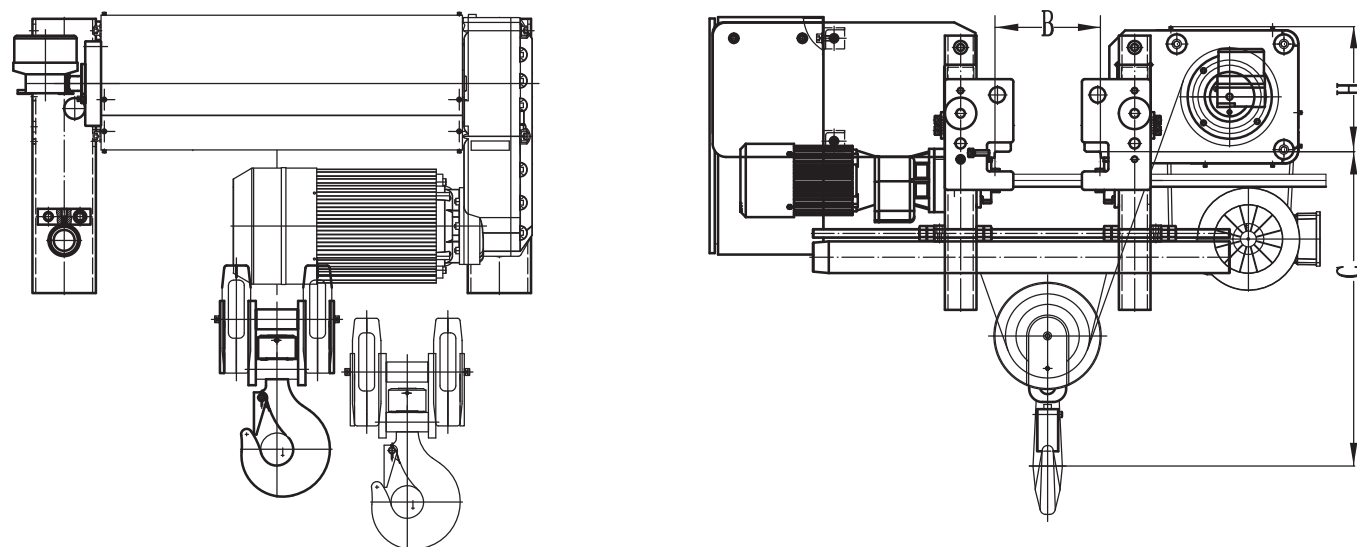
Forge high-strength alloy steel T grade hook, DIN standard with safety clasp and wire rope sheath ergonomic design.



Control Panel

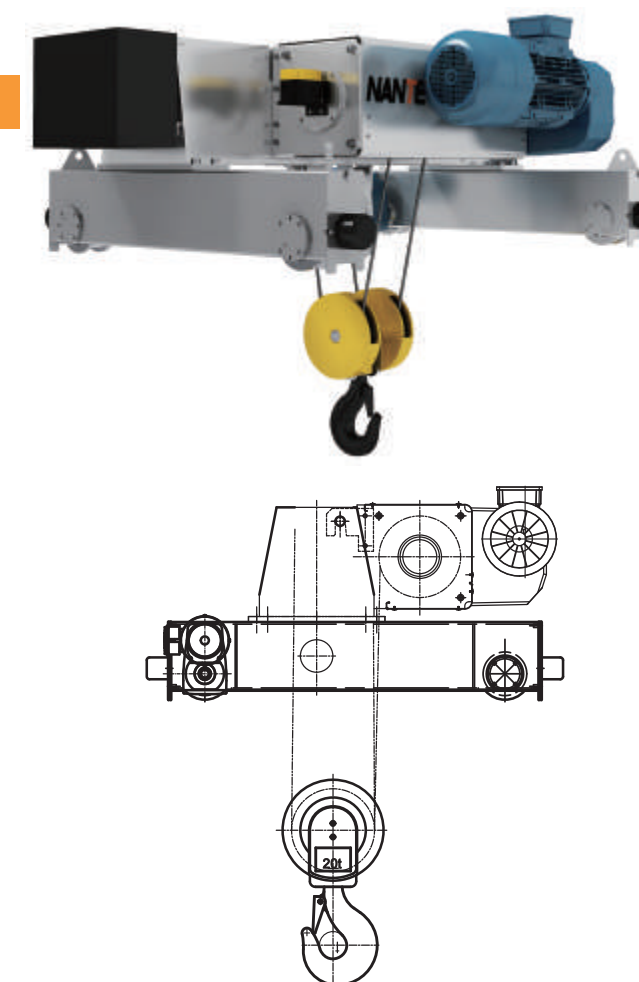
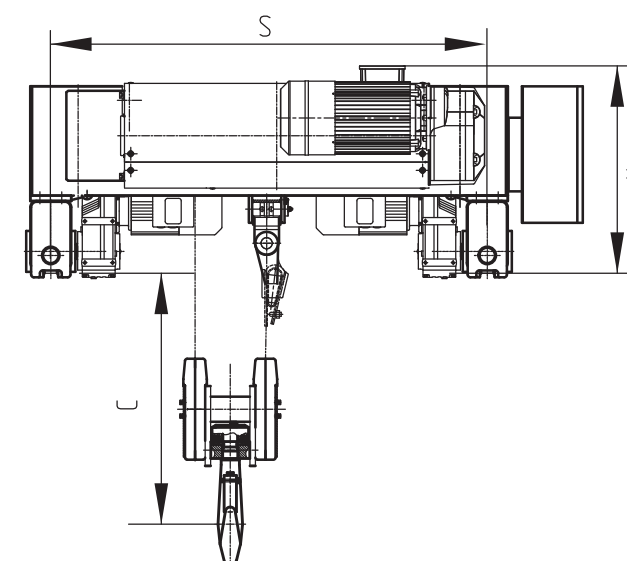
Top brand electrical unit and inverter for long service life. Clear labeling and socket design for easy maintenance and wiring. Multiple protection devices to make sure the safety.

NHA Low headroom hoist



Capacity (t)	Lifting Height (m)	Lifting Speed (m/min)	Lifting Power (KW)	Travel Speed (m/min)	Travel Power (KW)	Work Duty - Lifting FEM/ISO		H (mm)	C (mm)	Rail Gauge B(mm)
2	6/9/12/15/18	5/0.8	3.3/0.5	5/20	0.37	3M	M6	210	556	150-300
3.2	6/9/12/15/18	5/0.8	3.3/0.5	5/20	0.37	2M	M5	210	556	150-300
5	6/9/12/15/18	5/0.8	6.1/1	5/20	0.37	2M	M5	260	596	200-350
6.3	6/9/12/15/18	5/0.8	6.1/1	5/20	0.37	1Am	M4	260	596	200-350
8	6/9/12/15/18	5/0.8	9.5/1.5	5/20	0.55	3M	M6	325	750	200-410
10	6/9/12/15/18	5/0.8	9.5/1.5	5/20	0.55	2M	M5	325	750	200-410
12.5	6/9/12/15/18	5/0.8	12.5/2	5/20	0.55	1Am	M4	325	750	200-410
16	6/9/12/15/18	4/0.6	15/2.5	5/20	0.55×2	2M	M5	400	920	300-450
20	6/9/12/15/18	4/0.6	15/2.5	5/20	0.55×2	1Am	M4	400	920	350-400

NHA-D Low headroom hoist

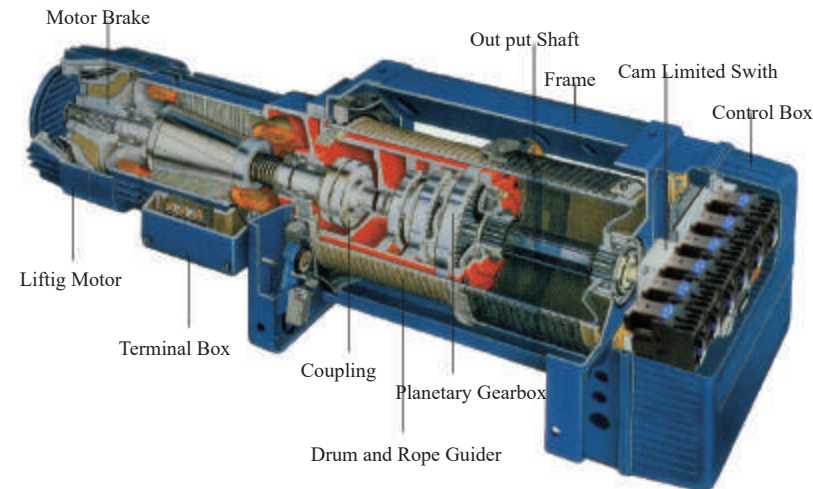


Capacity (kg)	Lifting Height (m)	Lifting Speed (m/min)	Lifting Power (KW)	Travel Speed (m/min)	Travel Power (KW)	Work Duty - Lifting FEM/ISO		H (mm)	C (mm)	Rail Gauge S(mm)
3.2	6/9/12/15/18	5/0.8	3.3/0.5	5/20	0.25×2	2M	M5	500	420	1400~2000
5	6/9/12/15/18	5/0.8	6.1/1	5/20	0.37×2	2M	M5	520	425	1400~2000
6.3	6/9/12/15/18	5/0.8	6.1/1	5/20	0.37×2	2M	M5	520	425	1400~2000
8	6/9/12/15/18	5/0.8	9.5/1.5	5/20	0.37×2	2M	M5	550	580	1400~2000
10	6/9/12/15/18	5/0.8	9.5/1.5	5/20	0.37×2	2M	M5	550	580	1400~2000
12.5	6/9/12/15/18	5/0.8	12.5/2	5/20	0.55×2	1Am	M4	550	580	1400~2000
16	6/9/12/15/18	4/0.6	15/2.5	5/20	0.55×2	2M	M5	720	920	1400~2400
20	6/9/12/15/18	4/0.6	15/2.5	5/20	0.55×2	1Am	M4	720	920	1400~2400
25	6/9/12/15/18	3/0.5	18/3	5/20	0.75×2	2M	M5	950	450	1700~3100
32	6/9/12/15/18	3/0.5	18/3	5/20	1.1×2	1Am	M4	950	450	1700~3100
40	6/9/12/15/18	0-4	38	5/20	1.5×2	1Am	M4	950	630	2000~3100
50	6/9/12/15/18	0-3	38	5/20	1.5×2	2M	M5	950	660	2000~4200

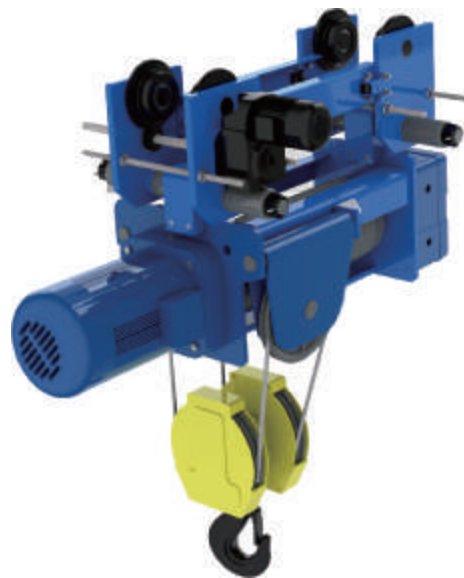
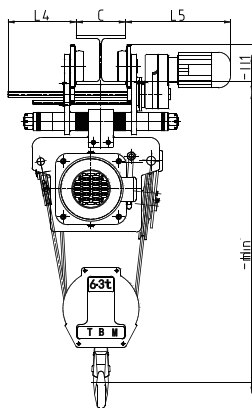
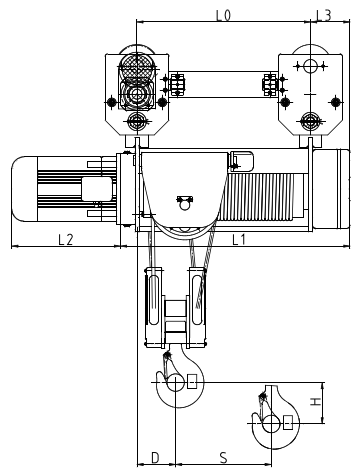
NHB SERIES ELECTRIC WIRE ROPE HOIST

NHB series steel rope electric hoist have newest designing with quadrate outline, modularize construction, good unitized capability.

1. The fundamental mode change combine is very convenient and multiform.
2. The special long transmission shaft.
3. The reducer use planetary speed-down drive which have high effective, low yawp long using life.
4. Unique column rotor-taper breaking wheel motor with low yawp, disk reliable.
5. With the advanced guide rope technology from overseas, unit is very reliable and safety.
6. High precision and super mechanical apin limiter.
7. High quality control electric component with low malfunction.



NHB (4/1 Rope) Underhang Hoist



Type	Capacity (t)	Duty	Rope reeving	Lifting speed (m/min)	Lifting motor (kw)	Traveling speed (m/min)	Traveling motor (kw)	L2 (mm)		Suitable for Rail C (mm)		L5 mm	L4 mm	H1 mm	Hmin mm	L3 mm	D mm	S mm	Lifting height(H)				Size
								Single speed	Double speed	I	H								6m	9m	12m	15m	
NH4B	3.2	M4	4/1	3.6 3.6/1.2	3 3/1	20 20/6.7	0.37 0.37/0.12	350	535	110-180	180-420	375	282	121	1105	147	142	0.0174H	716	924	1132	1340	L0
																			925	1133	1341	1549	L1
NH5B	6.3	M4	4/1	3.5 3.5/0.8	4.5 4.5/1.1	20 20/6.7	0.55 0.55/0.18	380	600	130-180	180-420	429	278	151	1225	161	157	0.0182H	757	975	1193	1411	L0
																			986	1204	1422	1640	L1
NH6B	10	M4	4/1	3.8 3.8/0.9	7.5 7.5/2.0	20 20/6.7	0.75 0.75/0.25	460	645	140-180	180-450	434	308	179	1314	194	175	0.0191H	832	1061	1290	1519	L0
																			1101	1330	1559	1788	L1
NH7B	16	M4	4/1	4 4/1	13 13/3.4	20 20/6.7	2x0.75 0.75/0.25	520	620	150-180	180-300	434	186	179	1412	250	208	0.0194H	885	1118	1351	1584	L0
																			1201	1434	1667	1900	L1
NH8B	20	M4	4/1	3.2 3.2/0.8	13 13/3.4	20 20/6.7	2x0.75 0.75/0.25	520	620	150-180	180-300	434	186	179	1412	250	208	0.0194H	885	1118	1351	1584	L0
																			1201	1434	1667	1900	L1

CD/MD Underhang Hoist

Product Features:

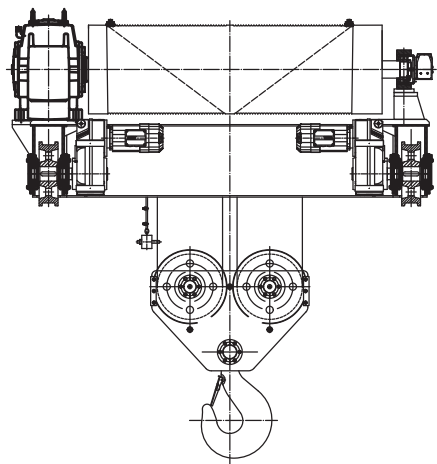
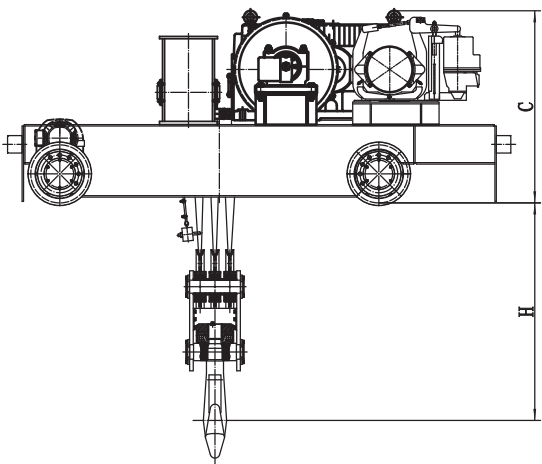
1. GEAR BOX : With three-stage fixed-axis helical gear transmission structure, alloy steel gear shaft, cast steel cabinet and cover, it guarantees a good leak tightness and easy maintenance.
2. CONTROL BOX: With limit stopper, the circuit can be cut off automatically in case of emergency, and keep long service life.
3. WIRE ROPE CABLE: Durable GB1102-74(6x37+1) wire rope cable.
4. CONIC MOTOR: Conical rotor induction motor does not need to be added any brakes. The duty circle is 25%, insulation class is B or F and protective class is IP44/IP5.
5. CONTROL PENDANT: Portable control pendant, including wire control

Technical Parameters



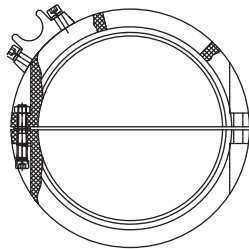
Type	Capacity (t)	Working Duty	Lifting Height (m)	Lifting Speed (m/min)	Traveling Speed (m/min) (suspended type)	Rope reeving	Lifting Motor Power (kw)	Traveling Motor Power (kw) (suspended type)	IP Class	I-beam Track (mm)	Min Turning Radius (m)	N.W (kg)
CD1 MD1	0.5	M3	6	8 8/0.8	20	2/1	ZD21-4 0.8 ZDS1 0.8/0.2 0.8/0.2	ZDY11-4 0.2	IP44 IP54	88~124	1.5	135
			9								1.5	140
			12								1.5	155
			18								1.8	175
			24								2.5	185
	1	M3	30								3.2	195
			6								1.8	180
			9								1.8	190
			12				ZD22-4 1.5 ZDS1 1.5/0.2 1.5/0.2	ZDY11-4 0.2	IP44 IP54	100~125	2.0	205
			18								2.3	220
			24								2.5	235
			30								3.2	255
	2	M3	6				ZD31-4 3 ZDS1 3/0.4 3/0.4	ZDY11-4 0.4	IP44 IP54	100~154	2.2	230
			9								2.2	240
			12								2.5	298
			18								2.8	320
			24								3.0	334
	3	M3	30								4.0	356
			6				ZD32-4 4.5 ZDS1 4.5/0.4 4.5/0.4	ZDY11-4 0.4	IP44 IP54	116~154	2.5	293
			9								2.5	310
			12								2.8	346
			18								2.8	400
	5	M3	24								3.0	435
			30								4.0	496
			6				ZD41-4 7.5 ZDS1 7.5/0.8 7.5/0.8	ZDY11-4 0.8	IP44 IP54	116~180	2.8	474
			9								2.8	495
			12								3.0	546
	10	M3	18								3.2	622
			24								4.0	670
			30								5.0	800
	16	M3	6	3.5 3.5/0.35	20	4/1	ZD51-4 13 ZDS1 13/1.5 1.3/1.5	ZDY21-4 2x0.8	IP44 IP54	142~180	3.0	980
			9								3.5	1050
			12								4.0	1190
			18								5.0	1330
			24								6.0	1470
	20	M3	30								4.0	1214
			6				ZD51-4 13 ZDS1 13/1.5 1.3/1.5	ZDY21-4 2x0.8	IP44 IP54	150~180	6.0	1294
			9								7.0	1454
			12								8.0	1614
			18								4.0	1250
			10								6.0	1340
			15								7.0	1520
			20								8.0	1700
			24								9.0	1950

NW
Winch



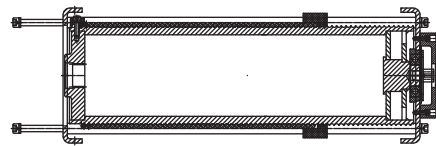
Capacity (t)	Lifting Height (m)	Lifting Speed (m/min)	Power of Lifting (kw)	Traveling speed (m/min)	Power of Traveling (kw)	Work Duty FEM/ISO	Rail Distance (mm)	C (mm)	H (mm)	Weight (kg)
10	12	0.8~8	15	2~20	0.55×2	3m/M6	1600	805	1000	1960
	18						2000			2106
16	12	0.78~7.8	22	2~20	0.75×2	3m/M6	2000	895	1200	2847
	18						2400			2996
20	12	0.6~6	22	2~20	0.75×2	3m/M6	2000	965	1250	3295
	18						2500			3480
25	12	0.5~5	22	2~20	1.1×2	3m/M6	2000	990	1300	3886
	18						2600			4152
32	12	0.5~5	30	2~20	1.5×2	3m/M6	2200	1000	1350	4428
	15						2600			4610
	18						3000			4802
40	12	0.4~4	30	2~20	1.5×2	3m/M6	2200	1030	1400	4095
	15						2600			5364
	18						3000			5667
50	12	0.4~4	37	2~20	2.2×2	3m/M6	2500	1160	1450	6582
	15						2800			6845
	18						3200			7090
63	12	0.4~4	45	2~20	3.0×2	3m/M6	2500	1299	1550	7656
	15						3000			8012
	18						3500			8368
80	12	0.4~4	55	2~20	3.0×2	3m/M6	3000	1249	1650	10527
	15						3500			10975
	18						4000			11423
100	12	0.4~4	75	2~20	4.0×2	3m/M6	3000	1370	1800	12542
	15						3500			13088
	18						4000			13636

Hoist Spare Parts - Rope Guider



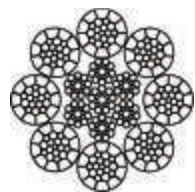
Capacity	Dia.Wire Rope	Dia.Drum
3.2t	6mm	140mm
5t	8mm	190mm
10t	11mm	268mm
20t	15mm	299mm

Hoist Spare Parts - Drum



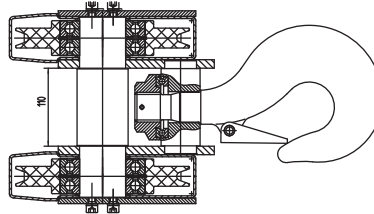
NHA Capacity	Drum Size	
	Dia.	Wall thickness
3.2t	140mm	12mm
5t	190mm	14mm
10t	268mm	14mm
20t	299mm	14.5mm

Hoist Spare Parts

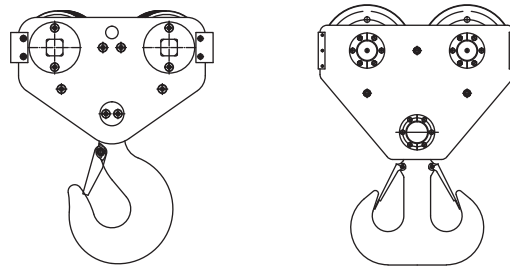


Diameter	Nominal length mass		Minimum Breaking Force		
			EEIP/2160		
mm	kg/m	Lb/Ft	kN	Tons (short)	Tonnes (metric)
10.0	0.471	0.316	93.2	10.5	9.50
11.0	0.570	0.383	115	12.9	11.7
12.0	0.678	0.456	134	15.1	13.7
13.0	0.796	0.535	157	17.6	16.0
14.0	0.923	0.620	182	20.5	18.6
15.0	1.06	0.712	207	23.3	21.1
16.0	1.21	0.810	236	26.5	24.1
17.0	1.36	0.915	267	30	27.2
18.0	1.53	1.03	299	33.6	30.5
19.0	1.70	1.14	333	37.4	34
20.0	1.88	1.27	369	41.5	37.6

Hoist Spare Parts - Hook



Capacity	Work Duty	Hook	Dia.Wire Rope	Fall
3.2t	M5	Single Hook	6mm	4/1
5t	M5	Single Hook	8mm	4/1
10t	M5	Single Hook	11mm	4/1
20t	M4	Single Hook	15mm	4/1



Capacity	Work Duty	Fall	Hook	Dia.of Wire Rope	
16t	M5	2/8	Single Hook	12mm	11mm
20t	M5	2/8	Single Hook	14mm	13mm
25t	M5	2/8	Single Hook	16mm	14mm
32t	M5	2/12	Single Hook	14mm	13mm
40t	M5	2/12	Single/Double Hook	16mm	14mm
50t	M5	2/12	Single/Double Hook	18mm	16mm
63t	M5	2/12	Double Hook	20mm	18mm
80t	M5	2/12	Double Hook	22mm	20mm
100t	M5	2/12	Double Hook	24mm	22mm

Hoist Spare Parts - Hoist Stopper



Capacity (kg)	Max.Hoist Weight (kg)	Max.Operating Speed (m/min)
2000	250	20
3200	250	20
5000	400	20
6300	400	20
8000	900	16
10000	900	16

NCH SERIES ELECTRIC CHAIN HOIST

NCH

Shell: Made of light aluminum alloy, the cooling fin is specially designed to ensure quick heat dissipation with the rate up to 40% and continuous service. The integral enclosed structure is applicable to chemical plant and electroplated factory

Side magnetic braking device: Latest design of magnetic orce generator, it allows instant brake as soon as the power off.

Limit switch: To make the motor to stop automatically, to prohibit the chains safety.

Chain: Chinese Chain Or Imported FEC80 ultra heat-treatable alloy aluminum, It can used in poor environments such as raining, sea water and chemical.

Hook: hot forging with perfect strength, hard to break. The lower hook is ensured by 360 degree rotation with safety tongue piece.

Support frame: Consist of two sturdy steel plates

Transformer: 24V/36V/48V
Used to prohibit unexected accident, for example, Electric leakage while raining.

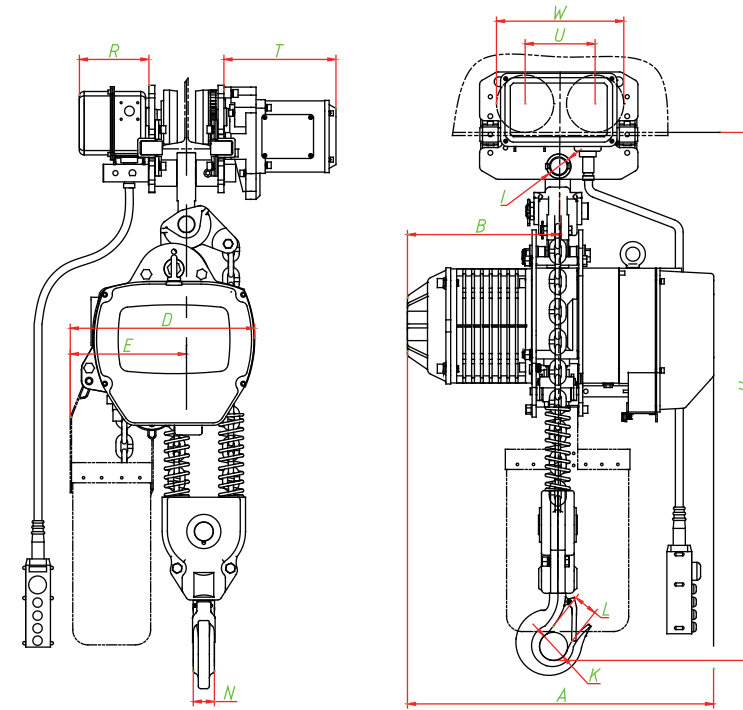
Electromagnetic contractor: Long working life.

Mechanical braker: Dual braking system to be saft and reliable.

Reverse protecting device: special cable solution protect control wire system.

Push button: Waterproof, lifght and durable

NCH (0.5t - 5t)
Chain hoist

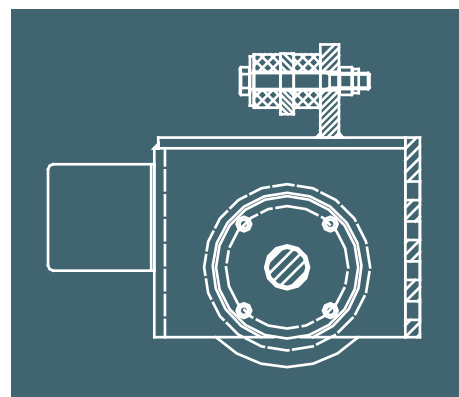


NCH

Double speed Chain hoist Datasheet:

Model	Unit(mm)					Model	NCH										
	H	A	B	D	E		0.5-01S	01-01S	01-02S	1.5-01S	02-01S	02-02S	2.5-01S	03-01S	03-02S	03-03S	05-02S
NCH0.5-01S	635	460	230	288	165	Capacity(Ton)	0.5	1	1	1.5	2	2	2.5	3	3	3	5
NCH0.5-01D	635	545	260	288	165	Lifting speed(m/min)	7.2	6.8	3.6	8.8	6.6	3.4	5.6	5.6	3.3	2.2	2.8
NCH01-01S	650	520	260	300	176	Motor Power(kw)	1.1	1.5	1.1	3	3	1.5	3	3	3	1.5	3
NCH01-01D	650	582	280	300	176	Net Weight(kg)	47	65	53	108	108	73	115	115	131	85	145
NCH01-02S	660	460	230	288	165	Model	NCH										
NCH01-02D	660	545	260	288	165		0.5-01D	01-01D	01-02D	1.5-01D	02-01D	02-02D	2.5-01D	03-01D	03-02D	03-03D	05-02D
NCH1.5-01S	770	615	295	430	265	Capacity(Ton)	0.5	1	1	1.5	2	2	2.5	3	3	3	5
NCH1.5-01D	770	670	313	430	265	Lifting speed(m/min)	7.2/2.4	6.9/2.3	3.6/1.2	8.8/2.9	6.6/2.2	3.3/1.1	5.6/1.8	5.6/1.8	3.3/1.1	2.2/0.8	2.8/0.9
NCH02-01S	770	615	295	430	265	Motor Power(kw)	1.1/0.37	1.8/0.6	1.1/0.37	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0
NCH02-01D	770	670	313	430	265	Net Weight(kg)	54	75	60	128	128	83	135	135	151	95	165
NCH02-02S	815	520	260	300	236	Other Specification for Single and Double Speed Electric Chain Hoist											
NCH02-02D	815	582	280	300	236	Rotation speed(r/min)	1440										
NCH2.5-01S	830	615	295	430	265	Insulation Grade	F class										
NCH2.5-01D	830	670	313	430	265	Travelling speed(m/min)	Slow: 11m/min & Fast: 21m/min										
NCH03-01S	830	615	295	430	265	Power Supply	3-Phase 380v 50Hz										
NCH03-01D	830	670	313	430	265	Control Voltage	24V 36V 48V										
NCH03-02S	930	615	295	430	320	NO.of Load Chain	1	1	2	1	1	2	1	1	2	3	2
NCH03-02D	930	670	313	430	320	Spec.of load Chain	Φ6.3	Φ7.1	Φ6.3	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ11.2	Φ10.0	Φ7.1	Φ11.2
NCH03-03S	940	520	260	350	205	I-Beam(mm)	75-125	75-178	75-178	82-178	82-178	82-178	100-178	100-178	100-178	100-178	112-178
NCH03-03D	940	582	280	350	205												
NCH05-02S	1015	615	295	430	325												
NCH05-02D	1015	670	313	430	325												

HOLLOW SHAFT END CARRIAGE

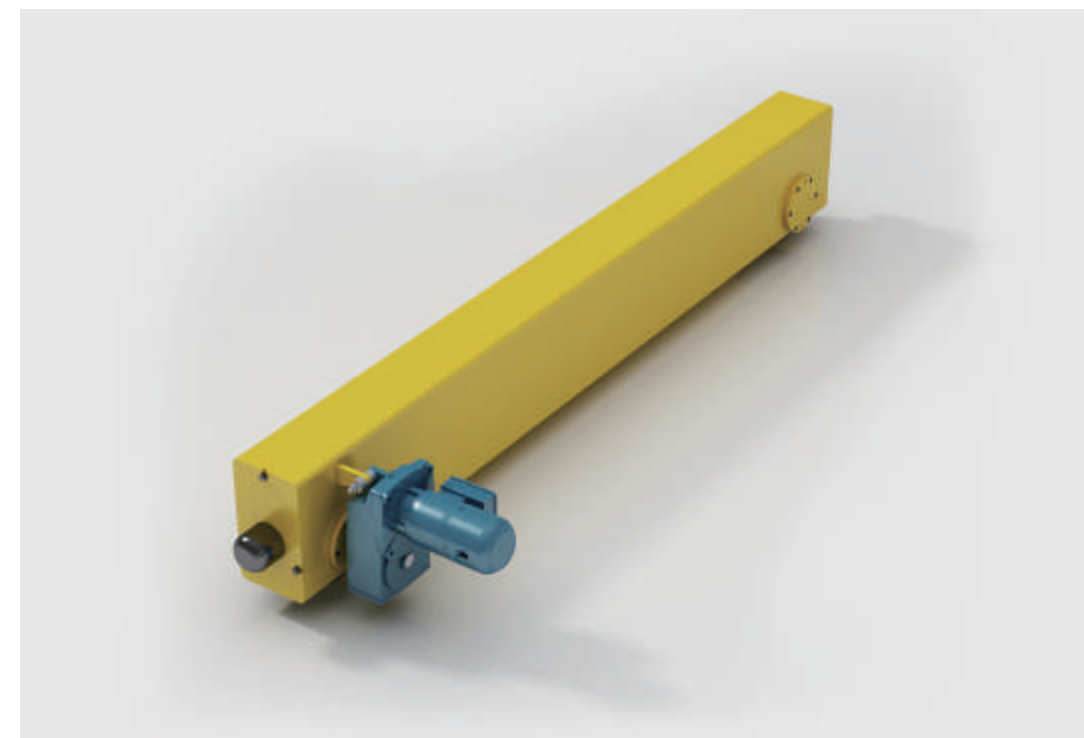


End Carriage

Crane Traveling Mechanism

Catalogue

HSB - HSE - OGB - OGE Series



H S W 160 - D25- 0.25KW

W: wheel set
B: wheel block
E: end carriage

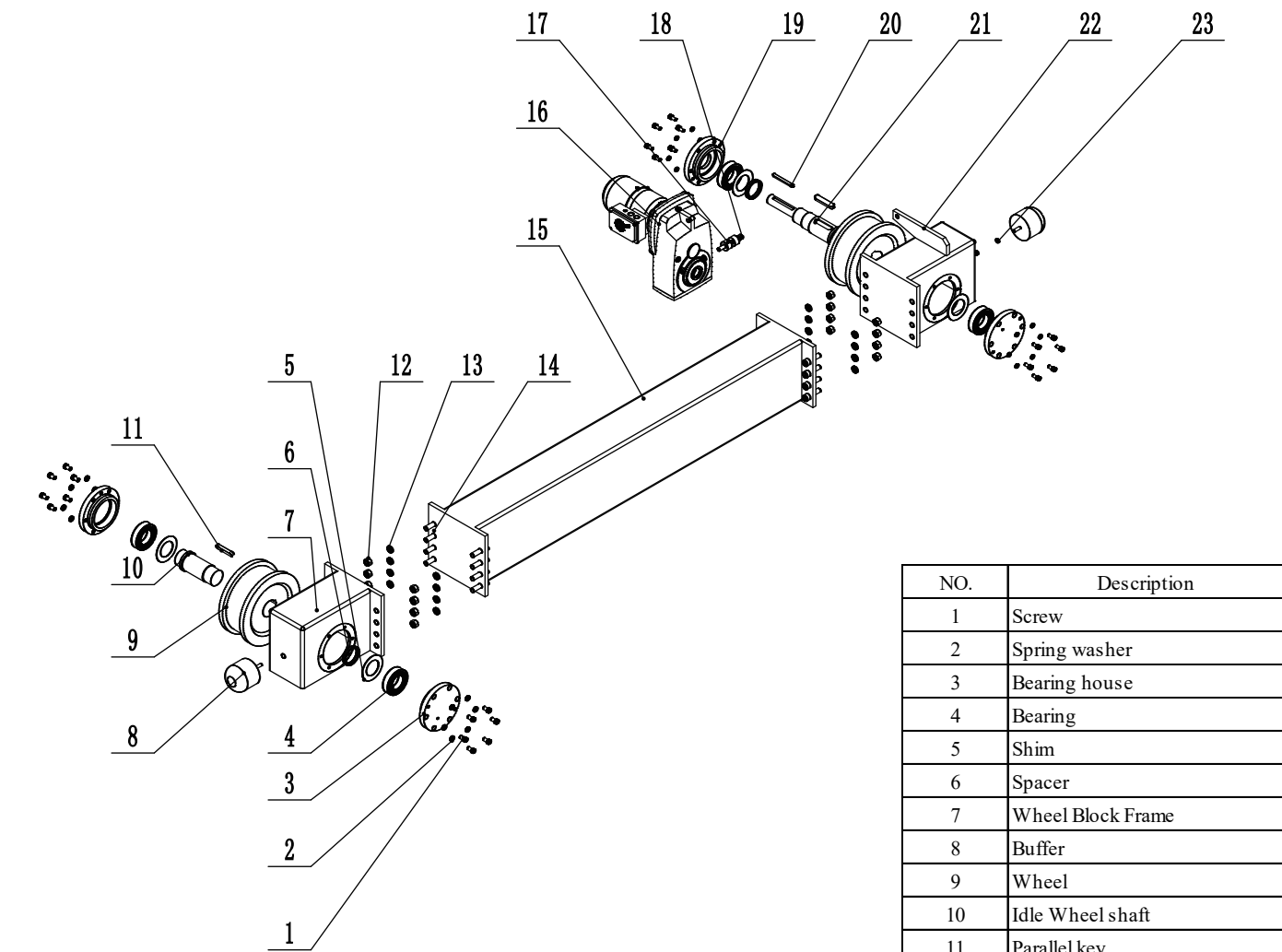
wheel diameter

end carriage length

D: double girder

Motor power

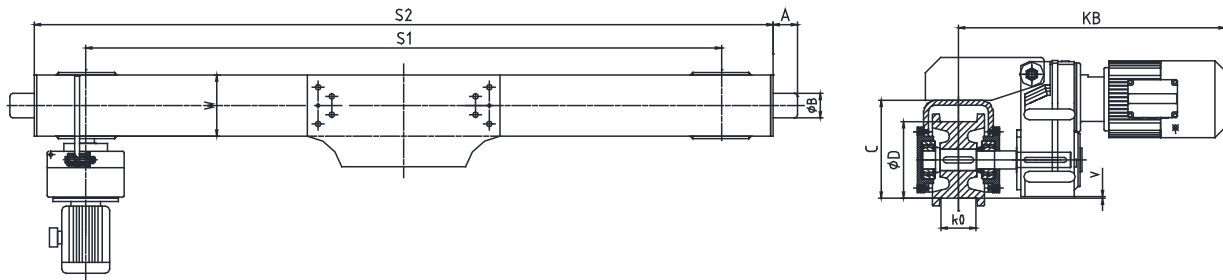
Hollow Shaft End Carriage



NO.	Description
15	End carriage body
16	Gear motor
17	Buffer for motor
18	Bolt for Motor
19	Bearing house
20	Parallel key
21	Drive Wheel shaft
22	Mounting plate for motor
23	Spring washer

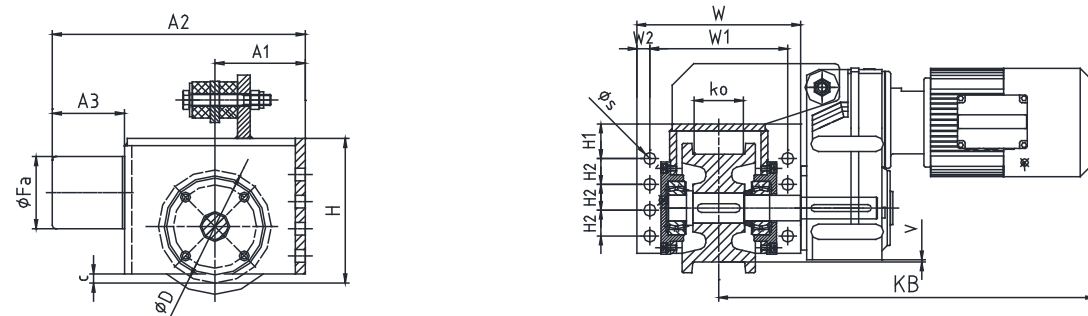
NO.	Description
1	Screw
2	Spring washer
3	Bearing house
4	Bearing
5	Shim
6	Spacer
7	Wheel Block Frame
8	Buffer
9	Wheel
10	Idle Wheel shaft
11	Parallel key
12	Nut
13	Spring washer
14	Screw

HSE Hollow Shaft End Carriage



ΦD (mm)	S1 (mm)	S2 (mm)	A (mm)	ΦB (mm)	W (mm)	C (mm)	K0 (mm)	Weight (kg)
125	1500	1736	50	60	150	212.5	65	84
	2000	2336						104
	2500	2836						124
	3000	3336						164
	3500	3836						184
160	1500	1766	80	80	150	270	65	100
	2000	2266						124
	2500	2766						147
	3000	3266						171
	3500	3766						194
200	1500	1816	80	80	200	325	75	159
	2000	2316						196
	2500	2816						233
	3000	3316						270
	3500	3816						307
250	1500	1866	90	100	200	375	80	179
	2000	2366						220
	2500	2866						261
	3000	3366						302
	3500	3866						343
320	2500	2940	90	100	230	435	80	456
	3000	3440						509
	3500	3940						563
	4000	4440						616
	4500	4940						670
400	2500	3020	100	120	250	540	85	678
	3000	3520						754
	3500	4020						831
	4000	4520						907
	4500	5020						984

HSB Hollow Shaft Wheel Block

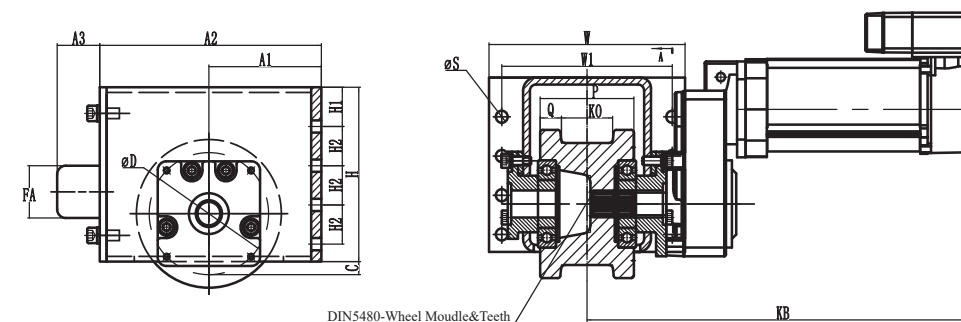


ΦD (mm)	A1 (mm)	A2 (mm)	A3 (mm)	C (mm)	Fa (mm)	W (mm)	W1 (mm)	W2 (mm)	H (mm)	H1 (mm)	H2 (mm)	ΦS (mm)	K0 (mm)
125	122	290	50	10	60	230	200	15	213	45	45	14	65
160	141	354	80	20	80	230	200	15	220	45	45	14	65
200	166	404	80	25	80	260	210	25	275	65	50	18	75
250	191	464	90	25	100	310	260	25	325	70	65	18	80
320	225	530	90	35	100	320	260	30	385	75	75	22	80
400	290	680	100	40	120	360	300	30	480	100	100	22	85
500	335	770	100	60	120	420	340	80	590	130	120	26	90

Model	Tread Width (mm)	Output Shaft with keyway (mm)	NORD Motor	KB (mm)	V (mm)	SEW Motor	KB (mm)	V (mm)
HSB125	60	Ø25×89	SK0182-0.25kw	454	8	FA27-0.25kw	436	2.5
HSB125	60	Ø25×89	SK0182-0.37kw	454	8	FA27-0.37kw	461	2.5
HSB125	60	Ø25×89	SK0182-0.55kw	502	8	FA27-0.55kw	486	2.5
HSB160	65	Ø30×105	SK1282-0.37kw	517	5	FA37-0.37kw	491	4
HSB160	65	Ø30×105	SK1282-0.55kw	548	5	FA37-0.55kw	516	4
HSB160	65	Ø30×105	SK1282-0.75kw	548	5	FA37-0.75kw	538	4
HSB200	75	Ø30×105	SK1282-0.55kw	558	25	FA37-0.55kw	526	24
HSB200	75	Ø30×105	SK1282-0.75kw	558	25	FA37-0.75kw	548	24
HSB200	75	Ø35×132	SK2282-0.75kw	570	10	FA47-0.75kw	571	23
HSB200	75	Ø35×132	SK2282-1.1kw	622	10	FA47-1.1kw	602	23
HSB200	75	Ø35×132	SK2282-1.5kw	622	10	FA47-1.5kw	618	23
HSB250	80	Ø35×132	SK2282-0.75kw	583	35	FA47-0.75kw	584	48
HSB250	80	Ø35×132	SK2282-1.1kw	635	35	FA47-1.1kw	615	48
HSB250	80	Ø35×132	SK2282-1.5kw	635	35	FA47-1.5kw	631	48
HSB250	80	Ø40×156	SK3282-1.1kw	655	19	FA67-1.1kw	636	28
HSB250	80	Ø40×156	SK3282-1.5kw	655	19	FA67-1.5kw	650	28
HSB250	80	Ø40×156	SK3282-2.2kw	701	19	FA67-2.2kw	670	28
HSB320	80	Ø40×156	SK3282-1.1kw	647	54	FA67-1.1kw	628	63
HSB320	80	Ø40×156	SK3282-1.5kw	647	54	FA67-1.5kw	642	63
HSB320	80	Ø50×183	SK4282-1.5kw	665	37	FA77-1.5kw	667	39
HSB320	80	Ø50×183	SK4282-2.2kw	711	37	FA77-2.2kw	687	39
HSB320	80	Ø50×183	SK4282-3kw	711	37	FA77-3kw	717	39

*If K0<Applied rail, please contact us

HSBG Hollow Soft End Carriage (GGG70 Wheel Material)



ΦD (mm)	A1 (mm)	A2 (mm)	A3 (mm)	C (mm)	Fa (mm)	W (mm)	W1 (mm)	W2 (mm)	H (mm)	H1 (mm)	H2 (mm)	S (mm)	Q (mm)	K0 (mm)	P (mm)	KB (mm)	Weight (kg)
110	122	240	50	15	60	230	200	15	200	45	45	14	18.5	60	110	415.5	26
140	133	260	50	15	60	230	200	25	200	45	45	14	25	60	110	459.5	32
160	140	273	80	15	80	260	210	25	200	45	45	18	19	70	110	466.5	35
200	161	307	80	15	80	310	260	25	250	65	50	18	20	80	130	488	61
250	191	367	90	15	100	310	260	25	300	70	65	18	25	90	145	560	87

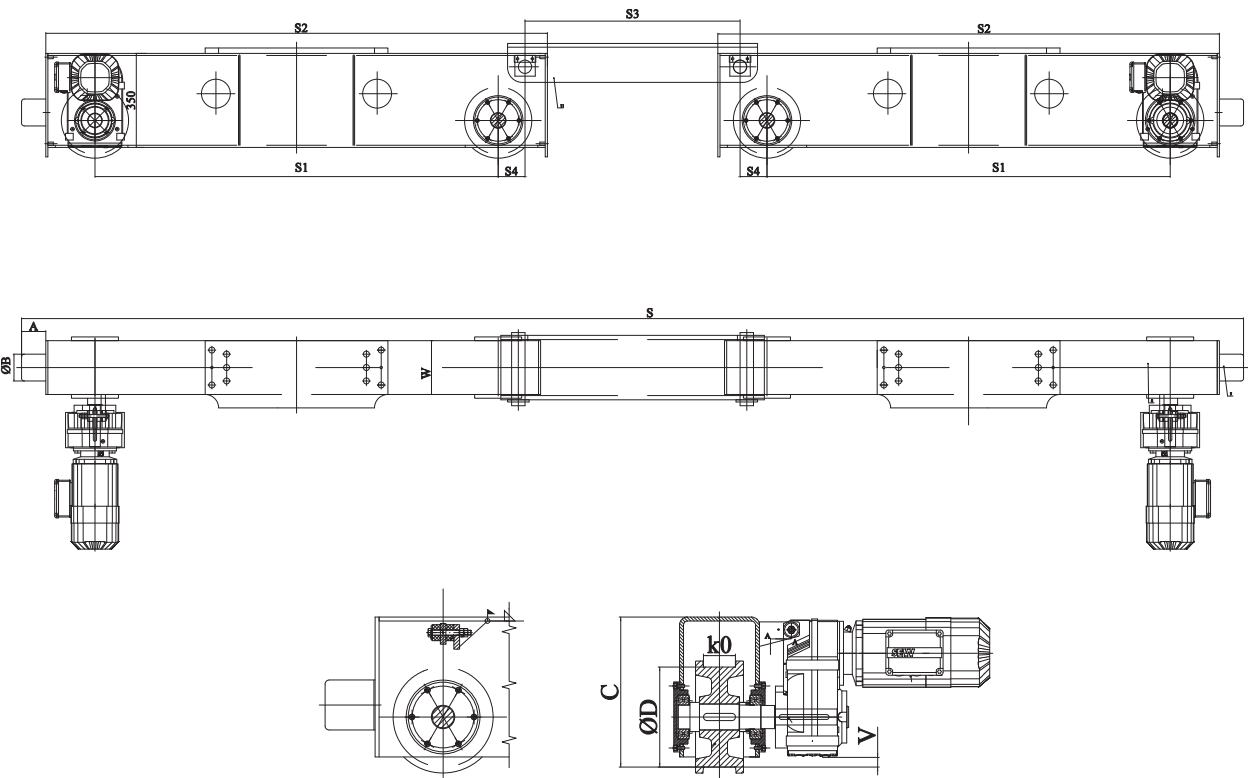
Wheel Mouldle&Teeth	Wheel Tread Dia (mm)	Speed (m/min)	Motor type	Power (kw)	KB (cm)	Weight (kg)
DIN5480-N22*1.25*16*9H	110	32	NGG3	0.3	415.5	26
DIN5480-N30*1.5*18*9H	140	32	NGG3	0.37	459.5	32
DIN5480-N30*1.5*18*9H	160	32	NGG3	0.65	466.5	35
DIN5480-N30*1.5*18*9H	200	32	NGG4	1.1	488	61
DIN5480-N45*2*21*9H	250	32	NGG4	2.2	560	87

Classification of Mechanisms Acc. With F.E.M. (ISO)									
Load Spectrum	Definition	Average operating time per day in hours							
		≤0.25	≤0.5	≤1	≤2	≤4	≤8	≤16	> 16
Light	Mechanisms, or parts thereof, usually subject to light loads and occasional maximum loads	—	1Dm (M1)	1Cm (M2)	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)
Medium	Mechanisms, or parts thereof, usually subject to light loads, but with a higher incidence of maximum loads	1Dm (M1)	1Cm (M2)	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)
Heavy	Mechanisms, or parts thereof, usually subject to medium loads, and frequently to maximum loads	1Cm (M2)	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)	—
Very Heavy	Mechanisms, or parts thereof, usually subject to maximum or almost maximum loads	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)	—	—

HSE Bogie for Overhead Crane

HSE200 - XX × 2 - OC - YY

Wheel diameter
Length of end carriage
Length of Joint Beam
For overhead crane

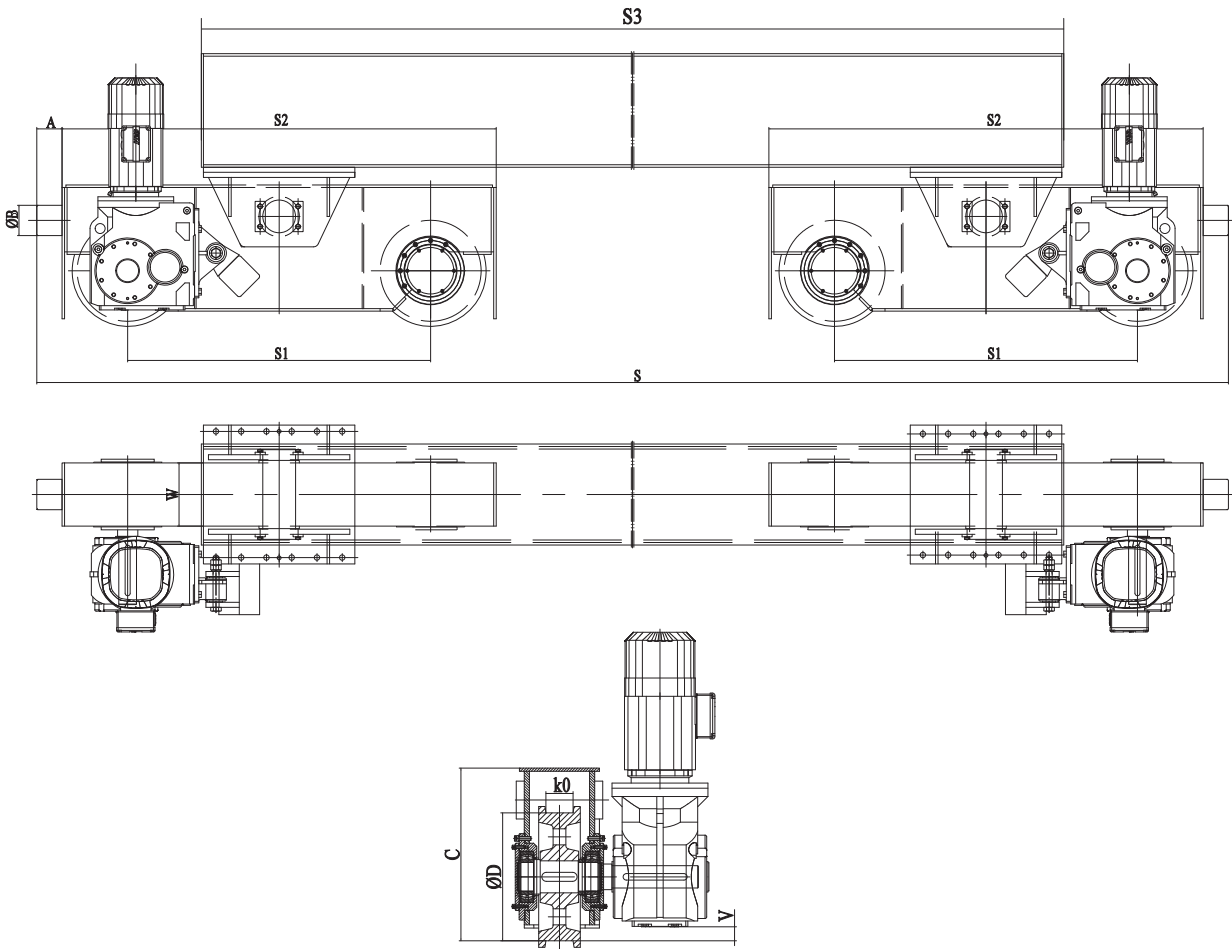


Model Name	Wheel Size (mm)	Length of Boogie (S1)	Length of Joint Beam (S3)	Speed (m/min)	No.of Gear Motor
HSE200-XX×2-OCYY	200mm * 8unit	1m, 1.5m, 2m, 2.5m, 3m	1m, 1.5m, 2m, 2.5m, 3m	20, 32, 40	2, 4
HSE250-XX×2-OCYY	250mm * 8unit	1m, 1.5m, 2m, 2.5m, 3m	1m, 1.5m, 2m, 2.5m, 3m	20, 32, 40	2, 4
HSE320-XX×2-OCYY	320mm * 8unit	1.5m, 2m, 2.5m, 3m, 3.5m	1m, 1.5m, 2m, 2.5m, 3m	20, 32, 40	2, 4
HSE400-XX×2-OCYY	400mm * 8unit	1.5m, 2m, 2.5m, 3m, 3.5m	1.5m, 2m, 2.5m, 3m, 3.5m	20, 32, 40	2, 4
HSE500-XX×2-OCYY	500mm * 8unit	2m, 2.5m, 3m, 3.5m, 4m	1.5m, 2m, 2.5m, 3m, 3.5m	20, 32, 40	2, 4
HSE630-XX×2-OCYY	630mm * 8unit	2m, 2.5m, 3m, 3.5m, 4m	1.5m, 2m, 2.5m, 3m, 3.5m	20, 32, 40	2, 4

HSE Bogie for Gantry Crane

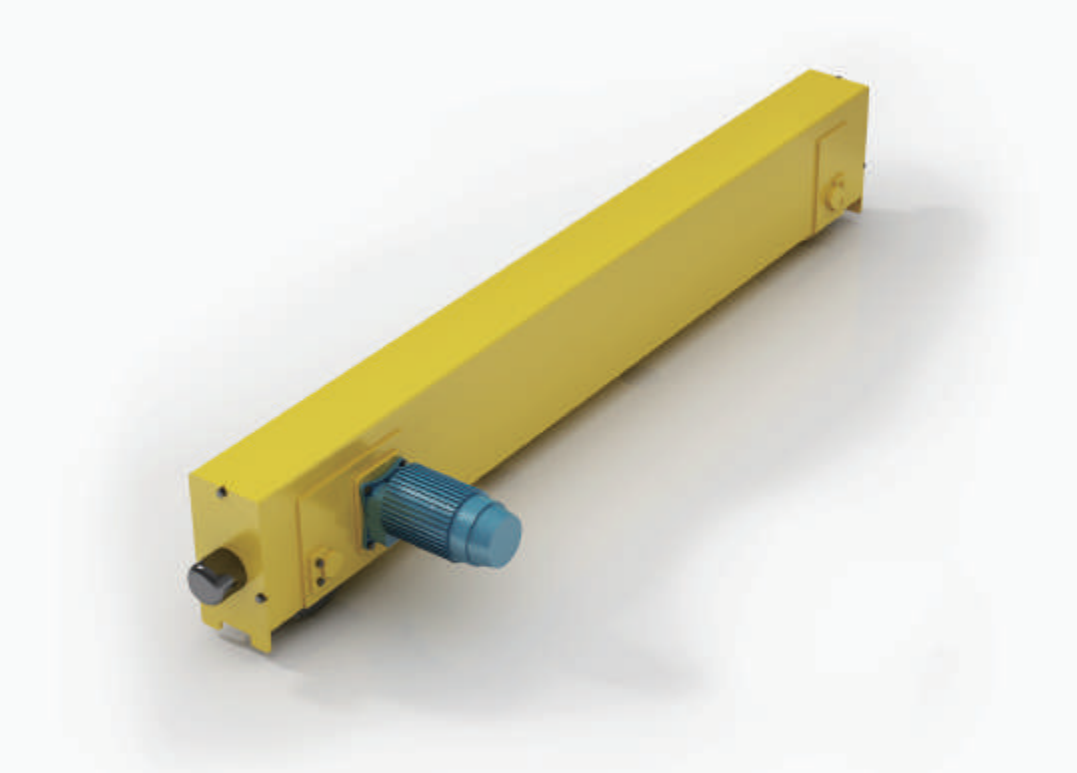
HSE200 - XX × 2 - GC - YY

Wheel diameter
Length of end carriage
Length of End Beam
For gantry crane



Model Name	Wheel Size (mm)	Length of Boogie(S1)	Length of Joint Beam(S3)	Speed (m/min)	No.of Gear Motor
HSE200-XX×2-GCYY	200mm * 8unit	0.8m, 1m, 1.2m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4
HSE250-XX×2-GCYY	250mm * 8unit	0.8m, 1m, 1.2m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4
HSE320-XX×2-GCYY	320mm * 8unit	1m, 1.2m, 1.5m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4
HSE400-XX×2-GCYY	400mm * 8unit	1.2m, 1.5m, 2m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4
HSE500-XX×2-GCYY	500mm * 8unit	1.2m, 1.5m, 2m, 2.5m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4
HSE630-XX×2-GCYY	630mm * 8unit	1.5m, 2m, 2.5m	3m, 4m, 5m, 6m, 7m	20, 32, 40	2, 4

OPEN GEAR END CARRIAGE



O G W 160 - D25 - 0.25

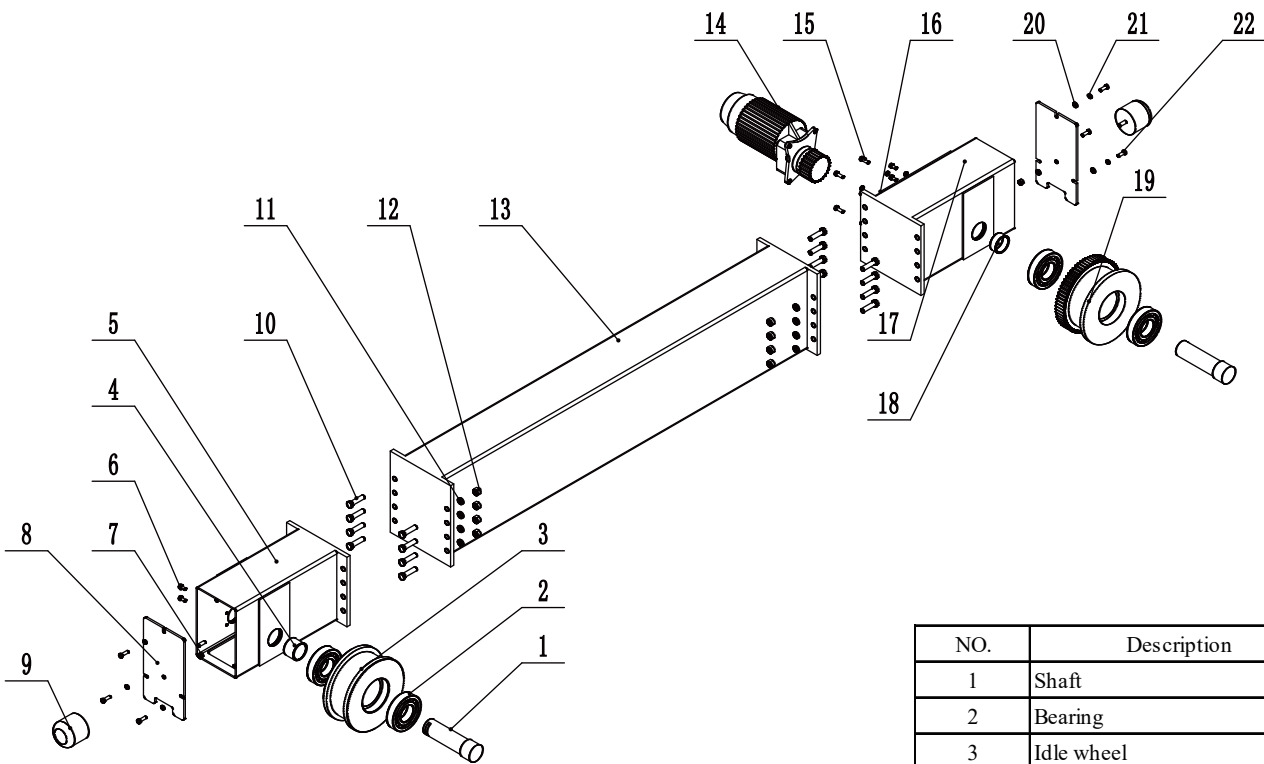
W: wheel set
B: wheel block
E: end carriage

wheel diameter

end carriage length

D: double girder

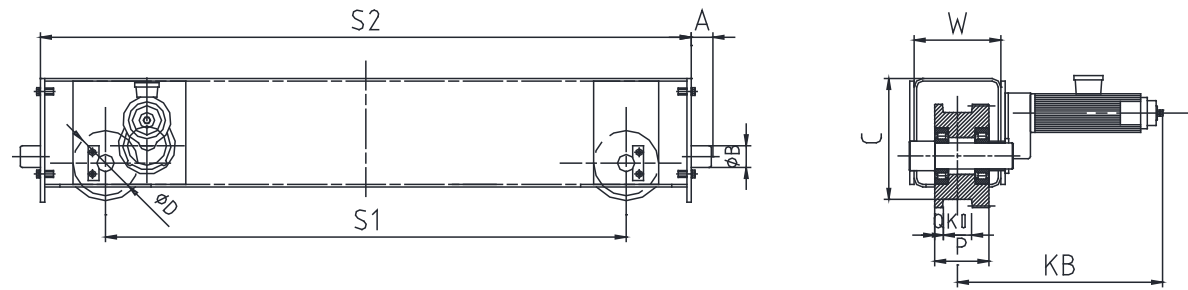
Motor power



NO.	Description
1	Shaft
2	Bearing
3	Idle wheel
4	Spacer
5	Idle wheel frame
6	Bolt
7	Nut
8	Stopper plate
9	Buffer
10	Bolt
11	Spring washer
12	Nut
13	End carriage body
14	Gear Motor

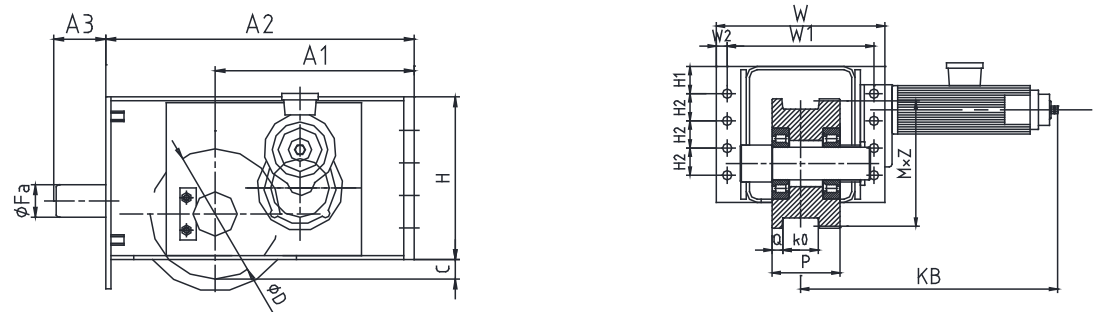
NO.	Description
15	Bolt
16	Snap-gauge
17	Drive wheel structure
18	Spacer
19	Drive wheel
20	Flat washer
21	Spring washer
22	Bolt

Open Gear End Carriage
OGE



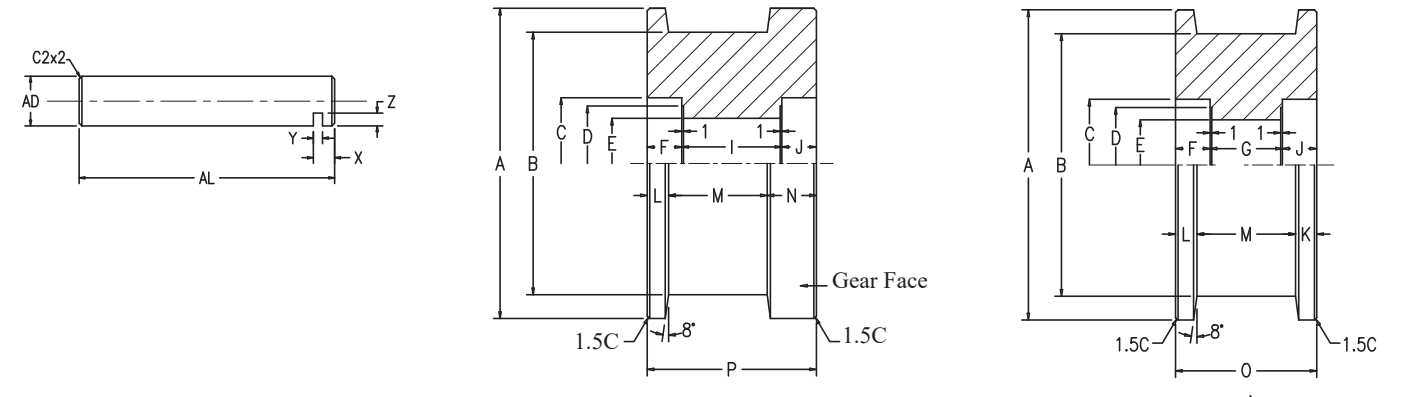
ΦD (mm)	S1 (mm)	S2 (mm)	A (mm)	ΦB (mm)	W (mm)	C (mm)	K0 (mm)	Q (mm)	P (mm)
120	1500	1746	50	60	150	215	60	10	92
	2000	2246							
	2500	2746							
	3000	3246							
	3500	3746							
140	1500	1766	50	60	150	220	65	10	97
	2000	2266							
	2500	2766							
	3000	3266							
	3500	3766							
160	1500	1806	80	80	200	275	65	15	115
	2000	2306							
	2500	2806							
	3000	3306							
	3500	3806							
200	1500	1836	80	80	200	330	75	20	135
	2000	2336							
	2500	2836							
	3000	3336							
	3500	3836							

Open Gear Wheel Block
OGB



ΦD (mm)	A1 (mm)	A2 (mm)	A3 (mm)	C (mm)	Fa (mm)	W (mm)	W1 (mm)	W2 (mm)	H (mm)	H1 (mm)	H2 (mm)	ΦS (mm)	Q (mm)	K0 (mm)	P (mm)	M (mm)	N (mm)
120	245	368	65	25	60	250	210	20	200	50	40	14	10	60	92	3	47
140	255	388	65	25	60	250	210	20	200	50	40	14	10	65	97	3.5	46
160	285	438	80	25	80	270	220	25	250	50	50	18	15	65	115	3.5	52
200	305	473	80	30	80	320	270	25	250	50	50	18	20	75	135	3.5	66
250	330	523	100	35	100	320	270	25	300	50	50	18	20	80	140	4	69

Wheel Sets for Open Geared End Carriage
OGW Series



Wheel Size	Ø120	Ø120	Ø150	Ø160	Ø190	Ø200	Ø250	Ø315	Ø400	Ø500
A	Ø145	Ø147	Ø178.5	Ø189	Ø227.5	Ø238	Ø283.5	Ø348	Ø440	Ø540
B	Ø120	Ø120	Ø150	Ø160	Ø190	Ø200	Ø250	Ø315	Ø400	Ø500
C	Ø62	Ø62	Ø72	Ø80	Ø100	Ø120	Ø130	Ø140	Ø160	Ø180
D	Ø55	Ø55	Ø60	Ø60	Ø70	Ø100	Ø105	Ø115	Ø140	-
E	Ø40	Ø40	Ø45	Ø45	Ø55	Ø80	Ø95	Ø90	Ø120	Ø150
F	16	16	17	21	25	30	31	33	37	52
G	38	38	38	44	40	60	43	49	52	67
I	50	50	51	61	60	65	64	70	90	16
J	16	16	17	21	25	22	31	33	37	52
K	10	10	10	13	15	22	15	25	24	27
L	10	10	10	13	15	22	20	25	24	27
M	45	50	55	60	60	60	65	65	78	66
N	22	22	25	30	35	35	40	45	62	77
P	87	82	85	103	110	120	125	135	164	170
Q	70	70	80	86	90	100	105	115	126	120
Gear Profile	M3T47	M3.5T40	M3.5T49	M3.5T52	M3.5T63	M3.5T66	M3.5T79	M4T85	M5T86	M6T88
AL	180	180	180	180	190	195	225	240	300	310
AD	Ø30	Ø30	Ø35	Ø35	Ø45	Ø55	Ø60	Ø65	Ø75	Ø85
X	15	15	15	15	15	16	20	20	20	22
Y	6.5	6.5	6.5	6.5	6.5	8	6.5	10	11	10.5
Z	9	9	9	9	9	9	9	10	11	12

Wheel dia.(mm)	Group classification of Mechanism(FEM)	Applied Rail Head Width	Crane Travel Speed										
			10	12.5	16	20	25	32	40	50	63	80	100
			Permissible Wheel Load (KN) for S45C, GGG70										
110	M1-M4	35	28.31	27.47	26.63	26.91	24.66	23.54	21.86	20.46	19.34	17.66	16.26
		40	32.35	31.39	30.43	30.75	28.19	26.91	24.98	23.38	22.10	20.18	18.58
		45	36.40	35.32	34.23	34.59	31.71	30.27	28.11	26.31	24.86	22.70	20.90
	M5	35	25.28	24.52	23.77	24.02	22.02	21.02	19.52	18.27	17.27	15.77	14.51
		40	28.89	28.03	27.17	27.46	25.17	24.02	22.31	20.88	19.73	18.02	16.59
		45	32.50	31.53	30.57	30.89	28.31	27.03	25.10	23.49	22.20	20.27	18.66
125	M1-M4	35	32.49	31.85	30.58	30.58	28.67	27.71	25.80	24.21	22.61	21.02	19.11
		40	37.13	36.40	34.94	34.94	32.76	31.67	29.48	27.66	25.84	24.02	21.84
		45	41.77	40.95	39.31	39.31	36.86	35.63	33.17	31.12	29.07	27.03	24.57
	M5	35	29.01	28.44	27.30	27.30	25.59	24.74	23.03	21.61	20.19	18.77	17.06
		40	33.15	32.50	31.20	31.20	29.25	28.28	26.33	24.70	23.08	21.45	19.50
		45	37.29	36.56	35.10	35.10	32.91	31.81	29.62	27.79	25.96	24.13	21.94
140	M1-M4	40	41.99	41.18	39.95	39.14	37.51	36.28	34.25	32.21	30.17	28.13	25.68
		45	47.24	46.32	44.95	44.03	42.19	40.82	38.53	36.23	33.94	31.65	28.89
		50	52.49	51.47	49.94	48.92	46.88	45.35	42.81	40.26	37.71	35.16	32.10
	M5	40	37.49	36.76	35.67	34.94	33.49	32.40	30.58	28.76	26.94	25.12	22.93
		45	42.18	41.36	40.13	39.31	37.67	36.45	34.40	32.35	30.30	28.26	25.80
		50	46.87	45.96	44.59	43.68	41.86	40.50	38.22	35.95	33.67	31.40	28.67
160	M1-M4	40	49.39	47.99	46.59	45.66	43.80	42.40	40.54	38.67	36.34	34.01	31.22
		45	55.56	53.99	52.42	51.37	49.27	47.70	45.60	43.51	40.88	38.26	35.12
		50	61.73	59.99	58.24	57.08	54.75	53.00	50.67	48.34	45.43	42.52	39.02
	M5	40	44.10	42.85	41.60	40.77	39.10	37.86	36.19	34.53	32.45	30.37	27.87
		45	49.61	48.20	46.80	45.86	43.99	42.59	40.72	38.84	36.50	34.16	31.36
		50	55.12	53.56	52.00	50.96	48.88	47.32	45.24	43.16	40.56	37.96	34.84
200	M1-M4	45	71.42	69.45	67.49	65.52	63.55	61.59	59.62	57.00	53.73	50.45	47.17
		55	87.29	84.88	82.48	80.08	77.68	75.28	72.87	69.67	65.67	61.66	57.66
		65	103.16	100.32	97.48	94.64	91.80	88.96	86.12	82.34	77.60	72.87	68.14
	M5	45	63.77	62.01	60.26	58.50	56.75	54.99	53.24	50.90	47.97	45.05	42.12
		55	77.94	75.79	73.65	71.50	69.36	67.21	65.07	62.21	58.63	55.06	51.48
		65	92.11	89.57	87.04	84.50	81.97	79.43	76.90	73.52	69.29	65.07	60.84
250	M1-M4	45	90.91	89.27	86.81	84.36	81.90	79.44	76.99	74.53	71.25	67.16	63.06
		55	111.11	109.11	106.11	103.10	100.10	97.10	94.09	91.09	87.09	82.08	77.08
		65	131.31	128.95	125.40	121.85	118.30	114.75	111.20	107.65	102.92	97.01	91.09
	M5	45	81.17	79.71	77.51	75.32	73.13	70.93	68.74	66.54	63.62	59.96	56.31
		55	99.21	97.42	94.74	92.06	89.38	86.69	84.01	81.33	77.76	73.29	68.82
		65	117.24	115.13	111.96	108.79	105.63	102.46	99.29	96.12	91.89	86.61	81.33
320	M1-M4	45	118.46	116.36	114.27	111.12	107.98	104.83	101.69	98.54	95.40	91.20	85.96
		55	144.78	142.22	139.66	135.82	131.97	128.13	124.28	120.44	116.60	111.47	105.06
		65	171.11	168.08	165.05	160.51	155.97	151.42	146.88	142.34	137.80	131.74	124.17
	M5	45	105.77	103.90	102.02	99.22	96.41	93.60	90.79	87.98	85.18	81.43	76.75
		55	129.27	126.98	124.70	121.26	117.83	114.40	110.97	107.54	104.10	99.53	93.81
		65	152.78	150.07	147.37	143.31	139.26	135.20	131.14	127.09	123.03	117.62	110.86
400	M1-M4	55	182.58	179.38	177.78	172.97	168.17	164.96	160.16	155.36	150.55	144.14	137.74
		65	215.78	211.99	210.10	204.42	198.74	194.96	189.28	183.60	177.92	170.35	162.78
		75	248.98	244.61	242.42	235.87	229.32	224.95	218.40	211.85	205.30	196.56	187.82
	M5	55	163.02	160.16	158.73	154.44	150.15	147.29	143.00	138.71	134.42	128.70	122.98
		65	192.66	189.28	187.59	182.52	177.45	174.07	169.00	163.93	158.86	152.10	145.34
		75	222.30	218.40	216.45	210.60	204.75	200.85	195.00	189.15	183.30	175.50	167.70
500	M1-M4	65	272.09	269.72	267.36	262.63	257.89	250.80	243.70	236.60	229.50	222.40	215.31
		75	313.95	311.22	308.49	303.03	297.57	289.38	281.19	273.00	264.81	256.62	248.43
		85	355.81	352.72	349.62	343.43	337.25	327.96	318.68	309.40	300.12	290.84	281.55
	M5	65	242.94	240.83	238.71	234.49	230.26	223.93	217.59	211.25	204.91	198.58	192.24
		75	280.31	277.88	275.44	270.56	265.69	258.38	251.06	243.75	236.44	229.13	221.81
		85	317.69	314.93	312.16	306.64	301.11	292.83	284.54	276.25	267.96	259.68	251.39
630	M1-M4	75	399.02	399.02	395.58	392.14	385.26	374.94	364.62	354.30	378.38	333.66	323.34
		85	452.22	452.22	448.32	444.42	436.63	424.93	413.23	401.54	428.83	378.15	366.45
		95	505.42	505.42	501.06	496.71	487.99	474.92	461.85	448.78	479.28	422.64	409.57
	M5	75	356.27	356.27	353.19	350.12	343.98	334.77	325.55	316.34	337.84	297.91	288.70
		85	403.77	403.77	400.29	396.81	389.84	379.40	368.96	358.52	382.88	337.63	327.19
		95	451.27	451.27	447.38	443.49	435.71	424.04	412.37	400.70	427.93	377.35	365.68

Special Note: NANTE can offer 42Crmo forged steel material for heavy duty crane, and the wheel load is 1.3time more than S45C wheel material under the same condition.



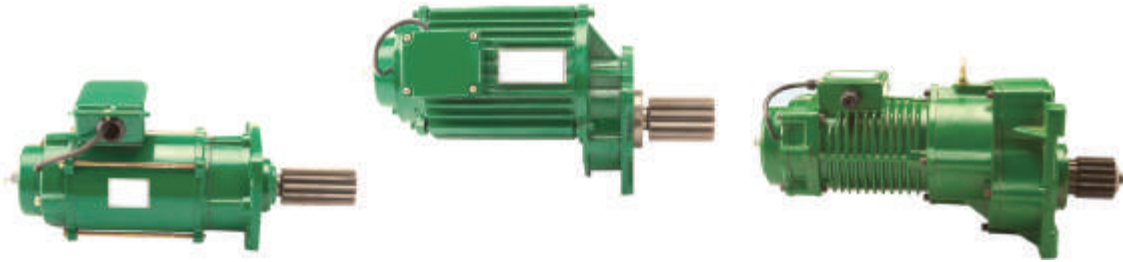
Crane Rail

Crane Long Traveling Rail

Catalogue

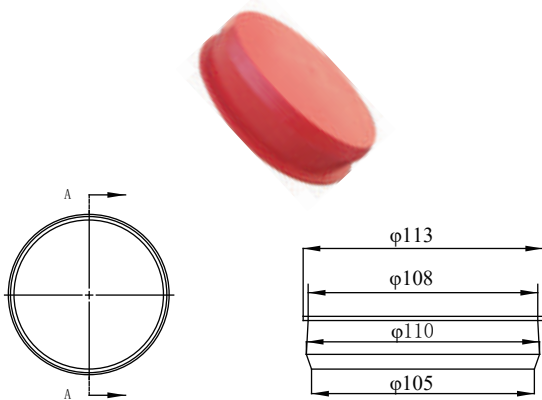
Flat Bar, P Rail, QU Rail, A Rail

NT Motor for Open Geared End Carriage
NT Series

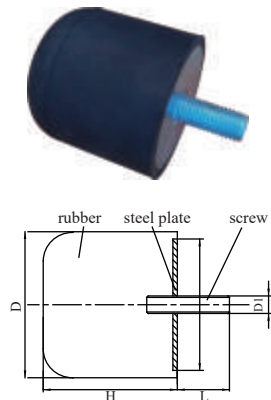


Gear Motor Model	Power	Pole No.	Mouldle	Ratio	Speed		Voltage
					50Hz (r/min)	60Hz (r/min)	
NT-030	0.25KW	4P	M3 M3.5 M4	10:1	133	176	220V-440V 50HZ/60HZ 3Phase
NT-050	0.4KW	4P	M3 M3.5 M4	8.5:1	176	210	
NT-100	0.75KW	4P	M3 M3.5 M4 M5	7.7:1	189	228	
NT-150	1.1KW	4P	M3.5 M4 M5	13:1	112	135	
NT-200	1.5KW	4P	M3.5 M4 M5 M6	16:1	92	110	
NT-300	2.2KW	4P	M4 M5 M6	16:1	92	110	
NT-500	3.75KW	4P	M5 M6 M7	16:1	92	110	

End Carriage Spare Parts - Hand Seal Retainer

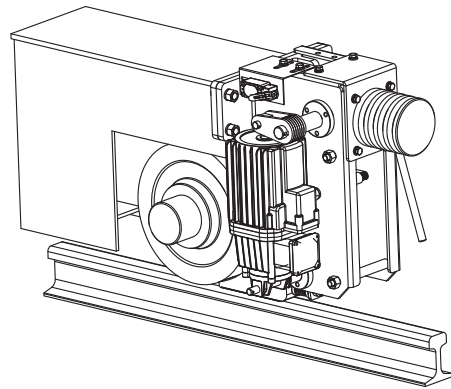


End Carriage Spare Parts - Buffer



Model	Dimensions (mm)		
	H×D	D1	L
B50	50×60	50	M12*35
B80	80×80	70	M16*35
B90	90×100	90	M12*35
B100	100×120	110	M12*35
B160	160×160	150	M16*35
B200	200×200	190	M16*40

Storm Locker for Gantry Crane
SLG Series



SLG- 250/80 - HL

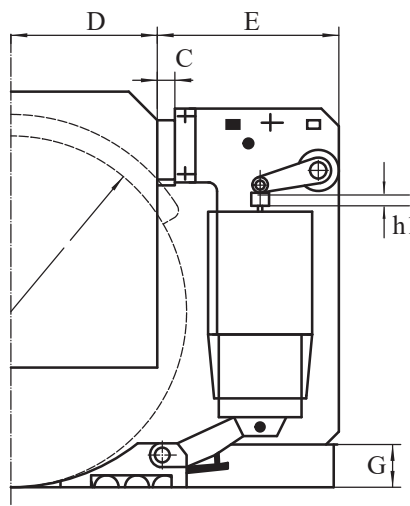
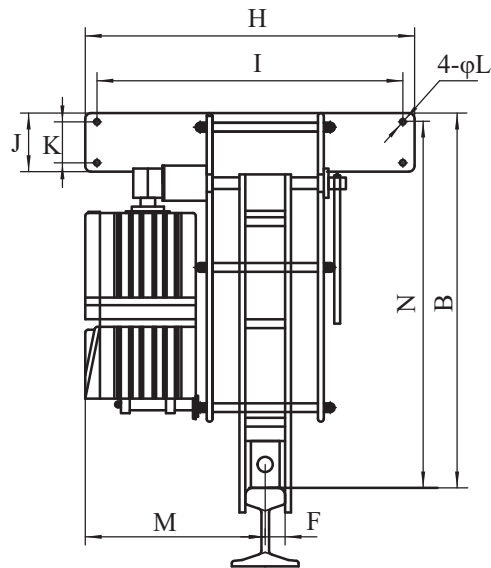
Model _____

Diameter of Wheel _____

Hand Release Postion
HR: Right
HL: Left

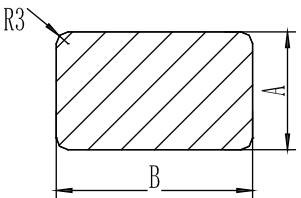
Thruster Force _____

Special noted: SLG storm locker can be applied for
A rail, P rail, QU rail and flat bar.



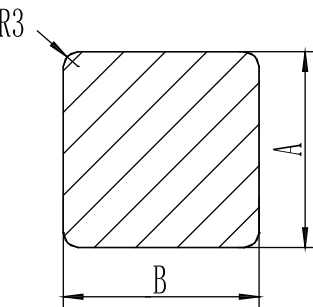
Model	Size	Electro-hydraulic Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	h1 (mm)	Weight (kg)
SLG-200/80		Ed80/6ws	200	640	20	250	310	60	55	450	400	165	100	18	360	607	8	129
SLG-250/80		Ed80/6ws	250	640	20	250	310	60	55	450	400	165	100	18	360	607	8	129
SLG-300/80		Ed80/6ws	300	640	20	250	310	60	55	450	400	165	100	18	360	607	8	129
SLG-400/80		Ed80/6ws	400	640	20	250	310	60	55	450	400	165	100	18	360	607	8	129
SLG-500/80		Ed80/6ws	500	640	20	350	310	60	55	600	550	165	100	18	360	605	8	129
SLG-550/80		Ed80/6ws	550	640	20	350	310	60	55	600	550	165	100	18	360	725	8	129
SLG-600/80		Ed80/6ws	600	760	25	350	315	60	120	600	550	170	100	22	360	725	8	146
SLG-630/80		Ed80/6ws	630	760	25	350	315	60	120	600	600	170	100	22	360	725	8	146
SLG-700/80		Ed80/6ws	700	760	25	350	315	70	120	700	650	170	100	22	360	725	8	149
SLG-710/80		Ed80/6ws	710	760	25	350	315	70	120	700	650	170	100	22	360	725	8	149
SLG-800/80		Ed80/6ws	800	910	25	400	355	70	120	700	650	170	100	22	360	915	8	164

Crane rail
Flat Bar



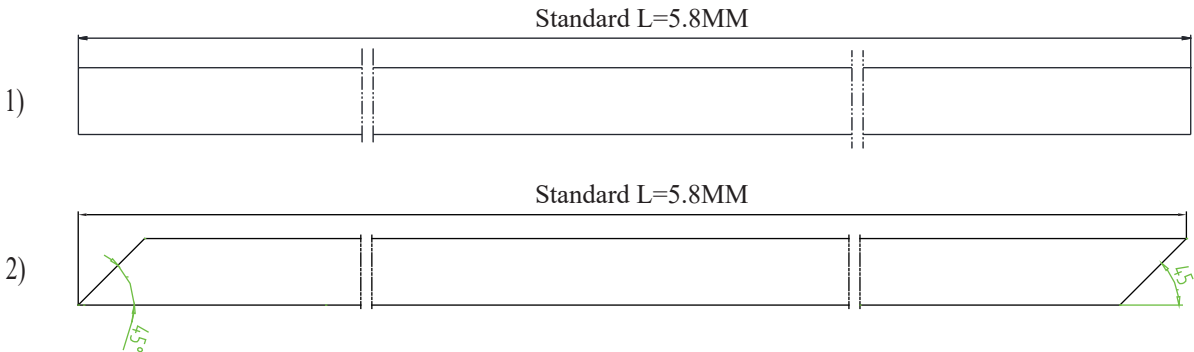
Type	B	A	Weight (kg/m)
Standard			
40×30	40	30	9.42
50×30	50	30	11.78
50×40	50	40	15.70
60×40	60	40	18.84
70×40	70	40	21.98
80×60	80	60	37.68
100×60	100	60	47.11
120×80	120	80	75.37

Other sizes are available

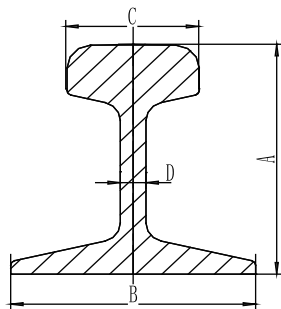


Type	B	A	Weight (kg/m)
Standard			
40×40	40	40	12.56
50×50	50	50	19.63
70×70	70	70	38.47
80×80	80	80	50.25
Customized			
30×30	30	30	7.07
60×60	60	60	28.26
90×90	90	90	63.59
100×100	100	100	78.51

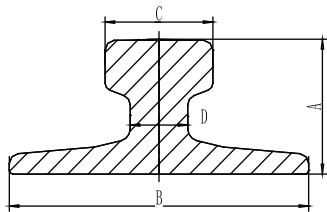
Flat Bar Cutting Design



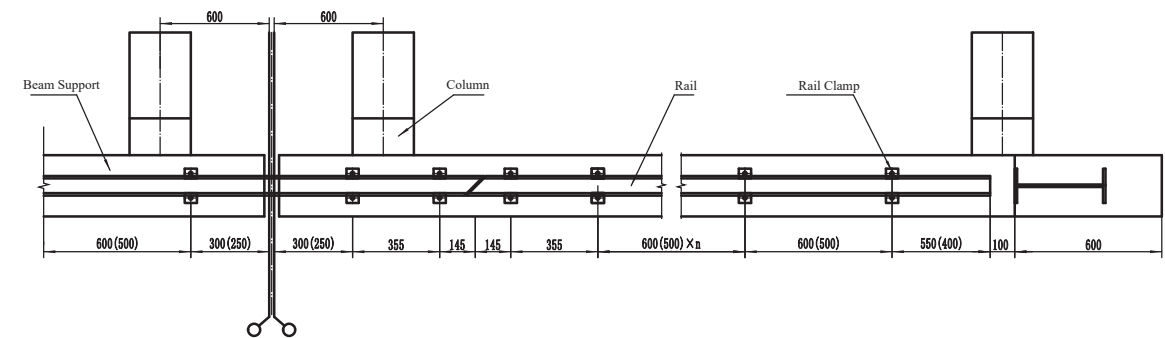
Crane rail
P / QU Series



Type	C	B	A	D	Weight (kg/m)	Standard
P18	40	80	90	10	18.06	YB222-63
P24	51	92	107	10.9	24.46	YB222-63
P22	50.8	93.66	93.66	10.72	22.3	GB11264-89
P30	60.33	107.95	107.95	12.3	30.1	GB11264-89
P38	68	114	134	13	38.72	GB183-63
P43	70	114	140	14.5	44.65	GB183-63
P50	70	132	152	15.5	51.51	GB183-63
QU70	70	120	120	28	52.8	GB3426-82
QU80	80	130	130	32	63.69	GB3426-82
QU100	100	150	150	38	88.96	GB3426-82
QU120	120	170	170	44	118.1	GB3426-82

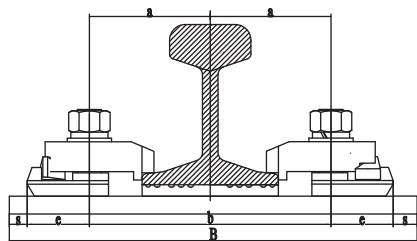
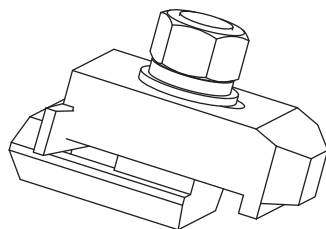


Type	C	B	A	D	Weight (kg/m)	Standard
A45	45	125	55	24	22.2	DIN536
A55	55	150	65	31	32	DIN536
A65	65	175	75	38	43.5	DIN536
A75	75	200	85	45	56.6	DIN536
A100	100	200	95	60	75.2	DIN536
A120	120	220	105	72	101.3	DIN536
A150	150	220	150	80	151.3	DIN536

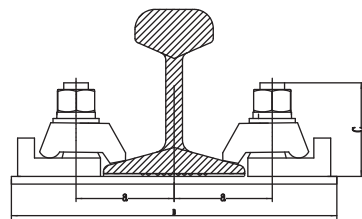
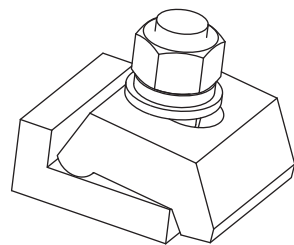


Rail Clamp Quantity $n=1.03 \times (\text{Traveling length } L \times 2 / 0.5 \text{ or } 0.6)$

Crane rail Accessories - Rail Clamp
TG/TGS Series

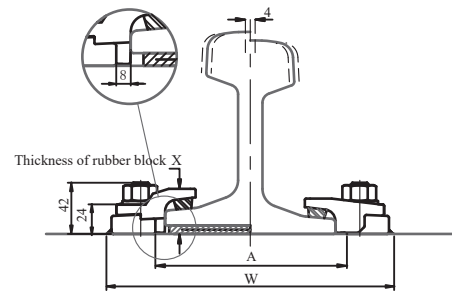
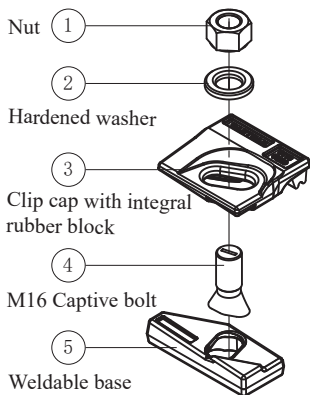
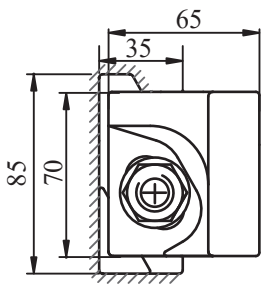


Model	Rail Size	a (mm)	b (mm)	2e e=62 (mm)	2s s=10(5) (mm)	B B=b+2e+2s (mm)
TG38	P38	97	194	124	20(10)	338(328)
TG43	P43	97	194			338(328)
TG50	P50	106	212			356(346)
TG60	P60	115	230			374(364)
TG70	QU70	100	200			344(334)
TG80	QU80	105	210			354(344)
TG100	QU100	115	230			374(364)
TG120	QU120	125	250			394(384)

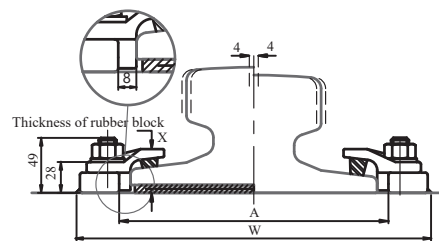
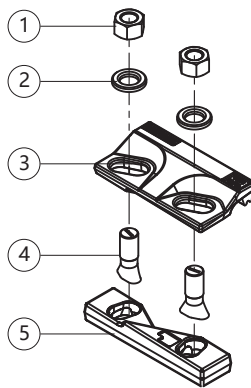
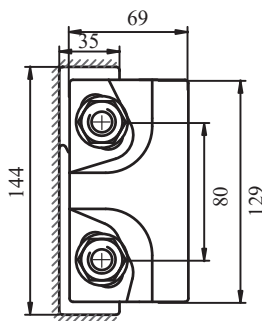


Model	Rail Size	a (mm)	B (mm)
TGS22	P22	64	204
TGS24	P24	63	202
TGS30	P30	71	218

Crane rail Accessories - Rail Clamp
GTX/GTXD Series

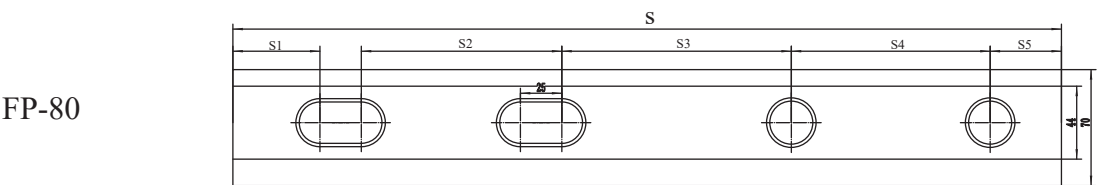
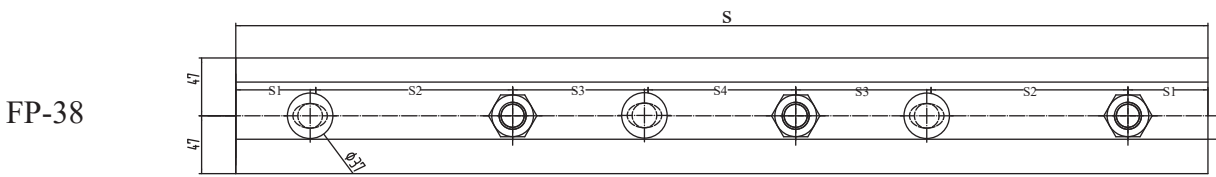
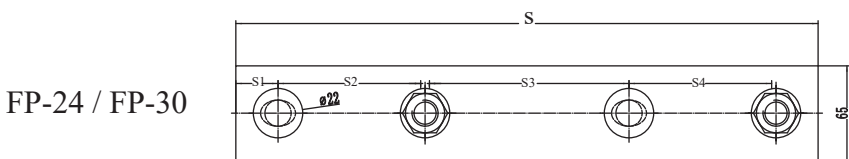
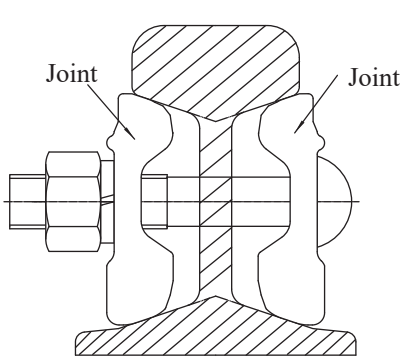


Model	Rail Size	A (mm)	Min.W (mm)	X1 with Pad (mm)	X1 w/o Pad (mm)
GTX38	P38	114	214	14	21
GTX43	P43	114	214		
GTX50	P50	132	232		
GTX70	QU70	120	220		
GTX80	QU80	130	230		
GTX55	A55	150	250		
GTX65	A65	175	275		
GTX75	A75	200	300		
GTX100	A100	200	300		



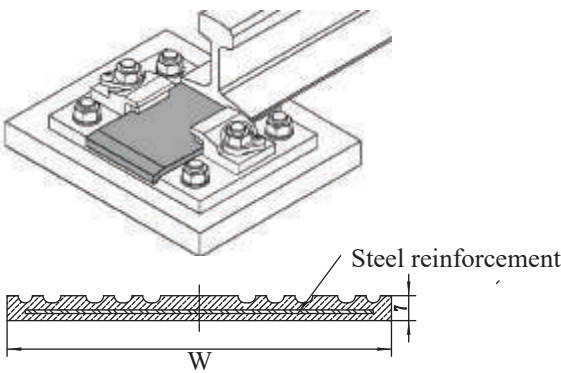
Model	Rail Size	A (mm)	Min.W (mm)	X1 with Pad (mm)	X1 w/o Pad (mm)
GTXD43	P43	114	214	14	21
GTXD50	P50	132	232		
GTXD70	QU70	120	220		
GTXD80	QU80	130	230		
GTXD75	A75	200	300		
GTXD100	A100	200	300		
GTXD120	A120	200	300		

Crane rail Accessories - Fish Plate
FP series



Model	S (mm)	S1 (mm)	S2 (mm)	S3 (mm)	S4 (mm)	S5 (mm)	Rail Size
FP-24	400	29	98	137	98	-	P18 / P22 / P24
FP-30	490	36	128	127	128	-	P30
FP-38	790	65	160	110	120	-	P38 / P43
FP-80	500	52.5	121	138.5	120	43	QU70 / QU80

Crane rail Accessories
Rubber Pad



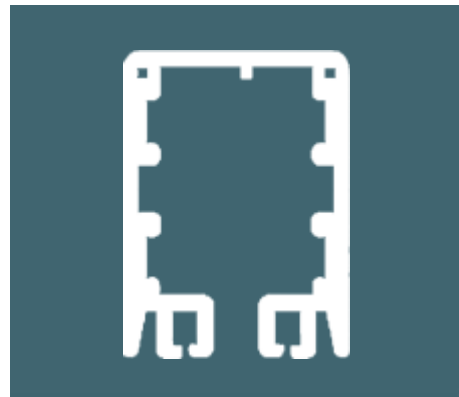
Specification:

1. Pad thickness: 7mm +0.5mm
2. Shore hardness: 75 durometer plus or minus 5
3. Shore hardness after ageing: 75 durometer plus or minus 5
4. Temperature range: -40° F to +212°F
5. Ultimate tensile strength: 2500psi
6. Rebound resilience: 30%
7. Elongation: 250%
8. Permanent set: 5%
9. Length: 12m/roll or 0.6m/pc
10. EVA material is customized

Features

1. Reduce noise and structural vibration
2. Reduce rail wear and fatigue stresses
3. Reduce crane runway maintenance
5. Reduce stress in the runway structure and the crane
6. Totally resistant to water, oil, grease, mildew and fungus
7. Absorbs the uneven contact between the rail and runway
8. Protects the crane mechanism and increase working life of the wheels, bearing and axle.
9. Distributes the wheel load over a larger surface area
10. Available for all rail size

Model	W (mm)	Rail Size
PA7-108	108	P30 P38 P43
PA7-118	118	QU70
PA7-128	128	QU80
PA7-147	147	QU100
PA7-168	168	QU120
PA7-195	195	A100
PA7-215	215	A120 A150



Enclosed Conductor Rail

Mobile Electrification System

Catalogue

HFP56 - HFP52 - HFP95 Series

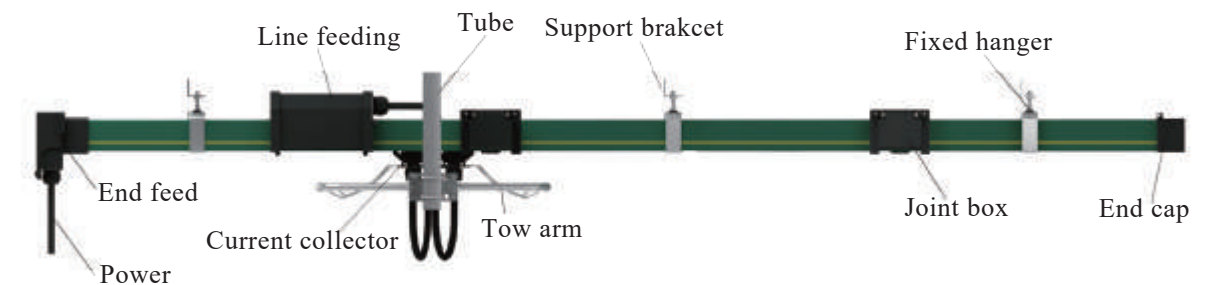


General

NANTE HFP Enclosed Conductor Rail System is a compact, reliable and safe current supply system for cranes, hoists, monorail systems, conveyor belts etc.

The basic design of HFP Conductor Rail System is a PVC housing which is prepared to accommodate copper conductors, and current collector run in the PVC housing to get the power and feed it to the equipment. NANTE HFP series Conductor Rail can be 4poles, 7 poles and 10poles with current capacity from 35A to 240A.

System Description



Technical Data

Electrical properties:

Max.current	240A
Max.voltage	660V
Dielectric strength	30-40KV/mm
Spec.resistance	$5 \times 10^5 \text{ Ohm} \times \text{cm}$
Surface resistivity	$10^{13} \text{ Ohm} \times \text{cm}$
Leakage resistance	CTI600-2.7

Combustibility:

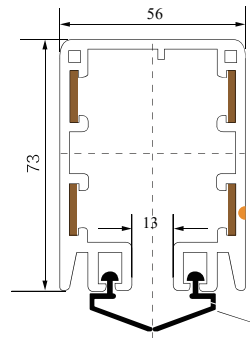
Flame retardant	B1 Class
Self extinguishing	Class B1 - no flaming particles, self-extinguishing

Mechanical properties:

Flexible strength	$75 \text{ N/mm}^2 \pm 10\%$
Tensile strength	$40 \text{ N/mm}^2 \pm 10\%$
Temperature range:	
Standard Housing	-20°C up to +70°C
High Temp.Housing	-10°C up to +115°C



Please contact with Nante technical team for special projects and conditions



Model Code
HFP56-4-n/m

n: max.current capacity
m: conductor cross section

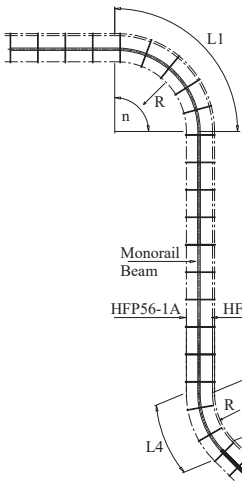
Standard Length: 4m, others is available,
but not more than 6m

Joint menthod: 50A~120A connected by screw
140A~240A connected by bolted joint

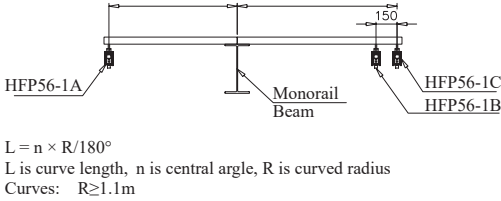
Support Bracket Spacing: 1.2m for straight travel

Sealing strip (be ordered separately)

Model	Pole No.	Cross section (mm ²)	Max. current (A)	Leakage-distance (mm)	Max. voltage (V)	Resistance (Ω/km)	Weight (kg)
HFP56-4-8/35	4	8	35	35	600	1.944	2.09
HFP56-4-10/50	4	10	50	35	600	1.656	2.16
HFP56-4-12/65	4	12	65	35	600	1.321	2.23
HFP56-4-15/80	4	15	80	35	600	1.137	2.3
HFP56-4-20/100	4	20	100	33	600	1.011	2.43
HFP56-4-25/120	4	25	120	33	600	0.713	2.56
HFP56-4-35/140	4	35	140	33	600	0.522	2.95
HFP56-4-50/170	4	50	170	33	600	0.337	3.25
HFP56-4-70/210	4	70	210	33	600	0.265	3.85
HFP56-4-80/240	4	80	240	30	600	0.223	4.16



Customized Curve Conductor Rail System



$L = n \times R / 180^\circ$
L is curve length, n is central angle, R is curved radius
Curves: $R \geq 1.1m$



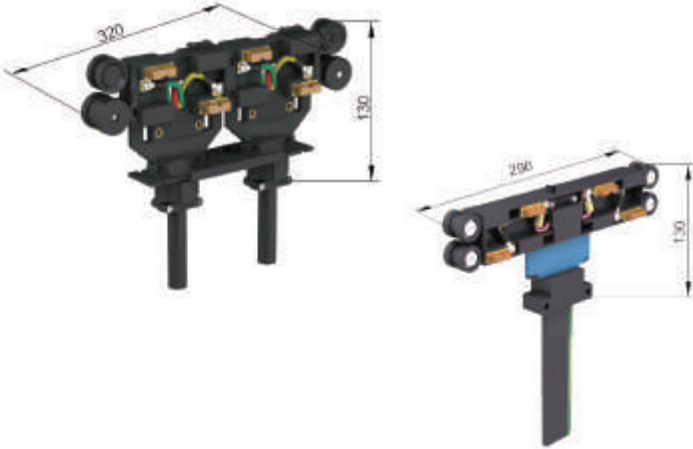
HFP56 Accessories - Current Collector
56JD-40



40A current collector is used for conductor bar 35A -120A

Type	Weight (kg)	Poles	Power rating
56JD-4/40	0.7	4	40A

HFP56 Accessories - Current Collector
56JD-60 / 56JD-80



60A current collector is used for conductor bar 120 -170A

Type	Weight (kg)	Poles	Power rating
56JD-4/60	1.35	4	60A

80A current collector is used for conductor bar 140-240A

Type	Weight (kg)	Poles	Power rating
56JD-4/80	1.3	4	80A

HFP56 Accessories - Current Collector
56JDR-25/40 for Curves (R>1100mm)



25A current collector is used for conductor bar 50A
40A current collector is used for conductor bar 65A-120A

Type	Weight (kg)	Poles	Power rating
56JDR-4/25	0.5	4	25A
56JDR-4/40	0.6	4	40A

HFP56 Accessories - Carbon Brush Assembly
56CB-1 / 56CB-2

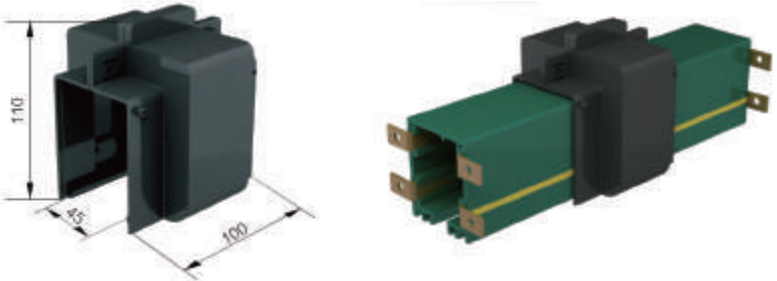


56TS-1

56TS-2

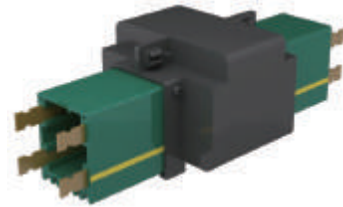
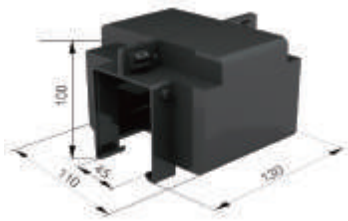
Type	Weight (kg)	Remark
56CB-1	0.04	Be used for: 56JD series collector
56CB-2	0.04	56JDR series collector

HFP56 Accessories - Jointing Box
56JBX/45 for bended joints (conductor rail $\leq 120A$)



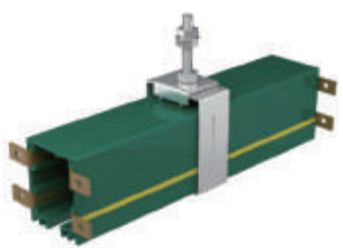
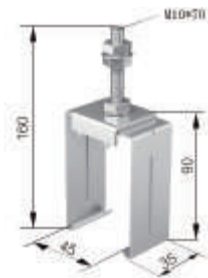
Type	Weight (kg)	Material
56JBX/45	0.09	Plastic

HFP56 Accessories - Jointing Box
56JBX-5 for bolted joints (conductor rail $\geq 140A$)



Type	Weight (kg)	Material
56JBX-5	0.16	Plastic

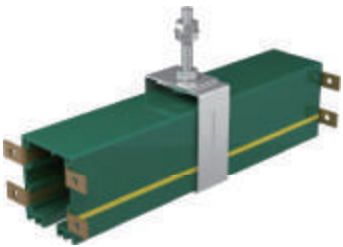
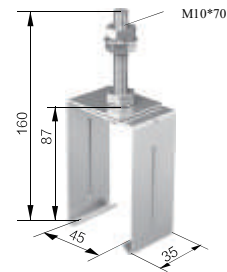
HFP56 Accessories - Fixed Hanger
56HG-3



Type	Weight (kg)	Material
56HG-3	0.21	Steel

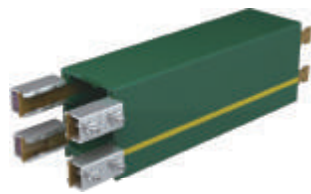
Special note: Max.2pcs each traveling line

HFP56 Accessories - Sliding Hanger
56HG-4



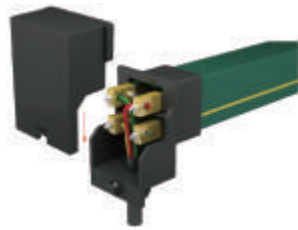
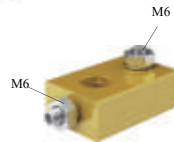
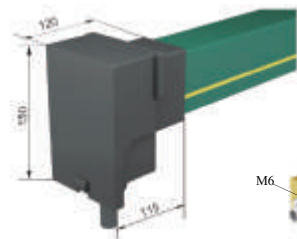
Type	Weight (kg)	Material
56HG-4	0.17	Steel

HFP56 Accessories - Bolted Joint
56BT



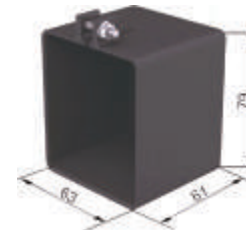
Type	Weight (kg)	Material
56BT-80A	0.042	Steel cover & Copper plate
56BT-120A	0.049	
56BT-140A	0.053	
56BT-240A	0.085	

HFP56 Accessories - End Feed / End Feeding Joint
56EF / 56EJ



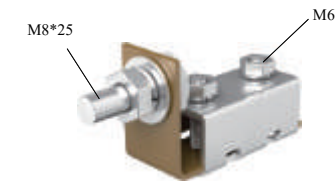
Type	Weight (kg)	Material
56EF	0.25	Plastic
56EJ	0.06	Brass

HFP56 Accessories - End Cap
56EC

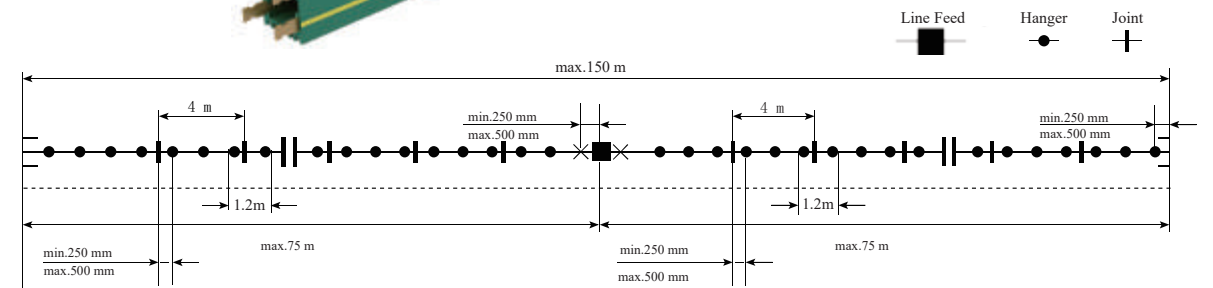


Type	Weight (kg)	Material
56EC	0.065	Plastic

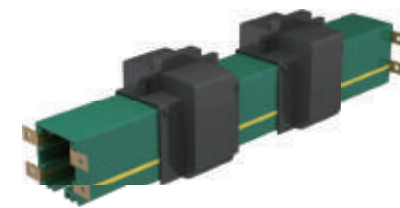
HFP56 Accessories - Line Feed (with 0.5meter powerail)
56LF/500-X/m



Type	Weight (kg)
56LF/500-4/80	1.91
56LF/500-4/120	2.07
56LF/500-4/140	2.18
56LF/1000-4/240	5.14

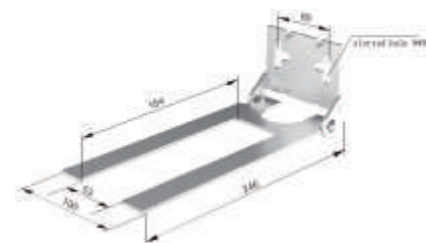


HFP56 Accessories - Conductor Isolating Section
56IS



Type	Material
56IS	Plastic with copper

HFP56 Accessories - Tow Arm
56TM/53



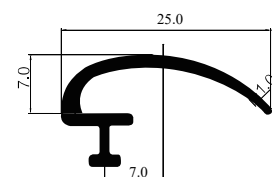
Type	Weight (kg)	Material
56TM/53	0.53	Steel

HFP56 Accessories - Led Light
56LED



Type	Weight kg	Material
56LED	0.28	Plastic

HFP56 Accessories - Sealing Strip
56SLT



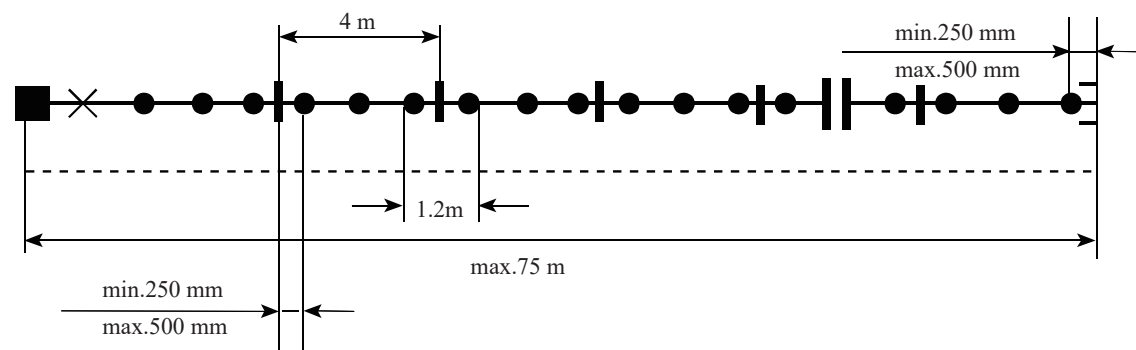
Type	Weight kg	Material
56SLT	0.065	Plastic

sealing strip is used for dusty or fireproof ambient, usually 50meters in one packing

Symbols

Powerail	Jointing box	Sliding hanger	End feed	End cap
Runway	Fixpoint hanger	Isolating assembly	Line feed	

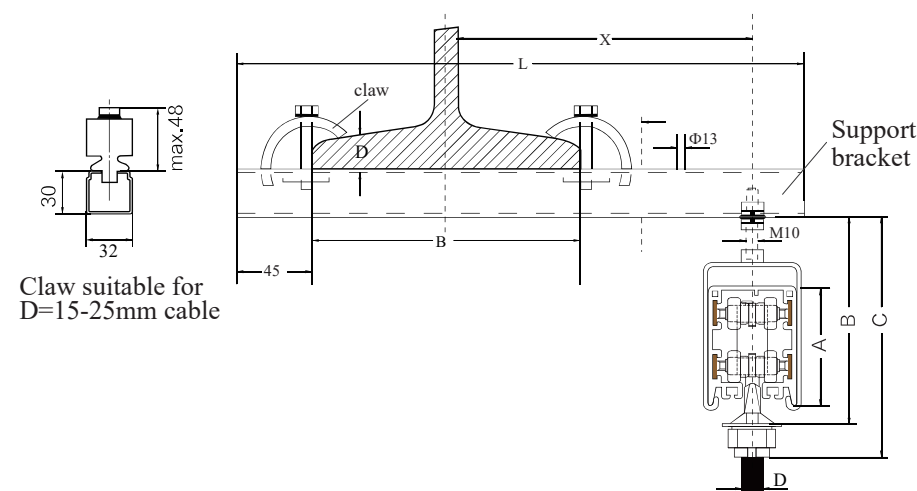
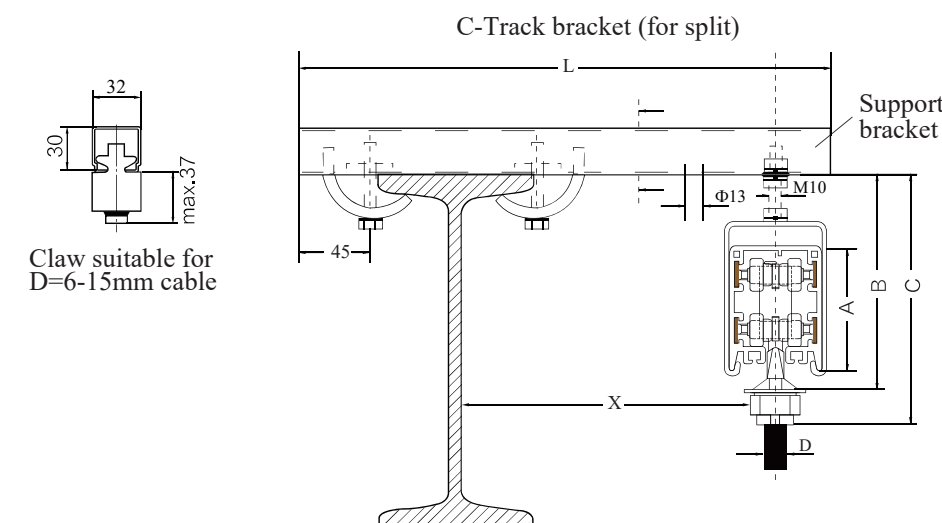
Each sliding hanger can be converted to a fixpoint hanger.



Maintenance Guide

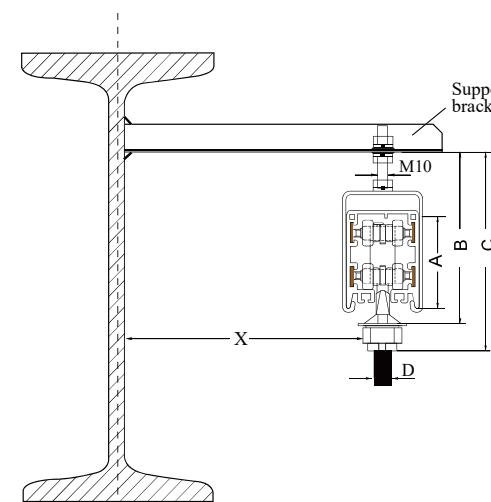
- 1) After installation, Make sure that the sliding hangers are straight(in a perpendicular position) after nuts have been tightened to guarantee free sliding of the powerail. The powerail must be installed exactly straight and parallel to the machinery track.
- 2) Before running the powerail. Check the system for easy running of the current collector trolleys. i.e.there may be no resistance by an excessively narrow slot or pull by the connecting cable.
- 3) Every 3 up to max.12months, depending on the frequency of operation and travel distance, check the carbon brushes and mechanical components for wear and replace them if necessary.
- 4) There is no more than 2pcs fixed hanger in one traveling line
- 5) Line feed is fixed for the long traveling line which is more than 75meters

Installed on C- Track Bracket (for split)

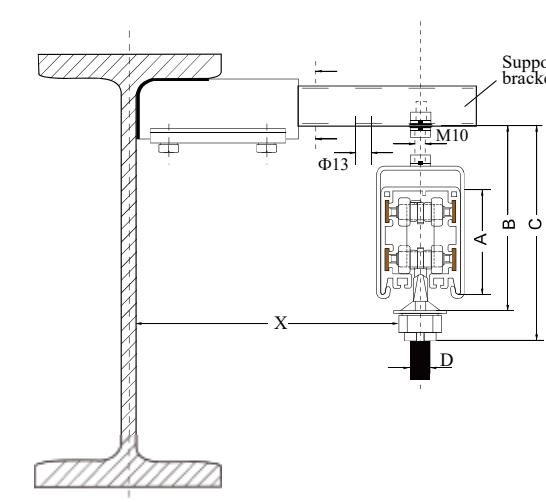


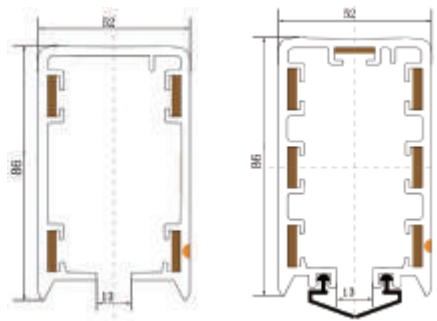
Note, If width of I Beam is more than 170mm, please select larger bracket

Installed on Angle Steel Bracket (for welding)



Installed on C- Track Bracket (for welding)





Model Code
HFP52-4/7-n/m

n: max.current capacity
m: conductor cross section

Standard Length : 4m, others is available,
but not more than 6m

Curves: $R \geq 1.1m$, 7poles without curve

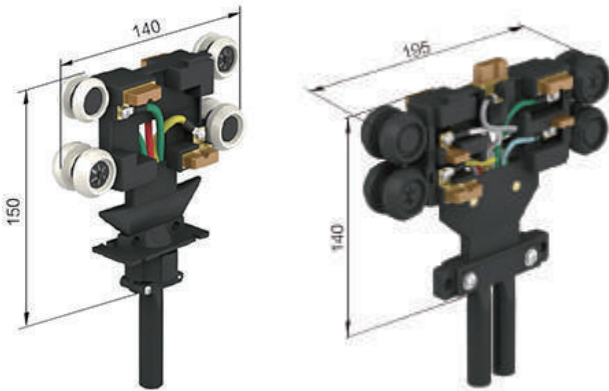
Joint method: Connected by bolted joint

Support Bracket : 1pc/1.2m for straight travel

Sealing strip (To be ordered separately)

Model	Pole No.	Cross section (mm ²)	Max. current (A)	Leakage-distance (mm)	Max. voltage (V)	Resistance (Ω)	Weight (kg)
HFP52-4-10/50	4	10	50	55	600	1.656	2.05
HFP52-7-10/50	7	10	50	15	600	1.656	2.32
HFP52-4-15/80	4	15	80	55	600	1.137	2.32
HFP52-7-15/80	7	15	80	15	600	1.137	2.71
HFP52-4-20/100	4	20	100	55	600	1.011	2.47
HFP52-7-20/100	7	20	100	15	600	1.011	2.99
HFP52-4-25/120	4	25	120	55	600	0.713	2.63
HFP52-7-25/120	7	25	120	15	600	0.713	3.27
HFP52-4-35/140	4	35	140	55	600	0.522	2.97
HFP52-7-35/140	7	35	140	15	600	0.522	3.87

HFP52 Accessories - Current Collector
52JD-4/40 52JD-7/40



40A current collector is used for conductor bar 50A-120A

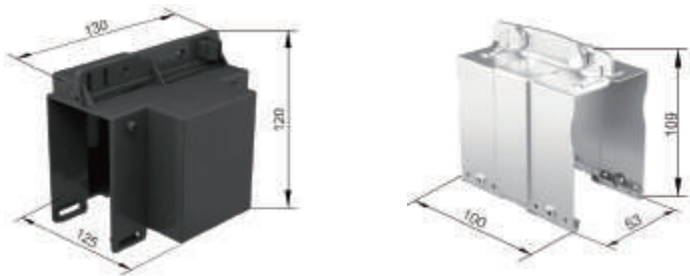
Type	Weight (kg)	Poles	Power rating
52JD-4/40	0.61	4	40A
52JD-7/40	1.07	7	40A

HFP52 Accessories - Carbon Brush
52CB-1 52CB-2



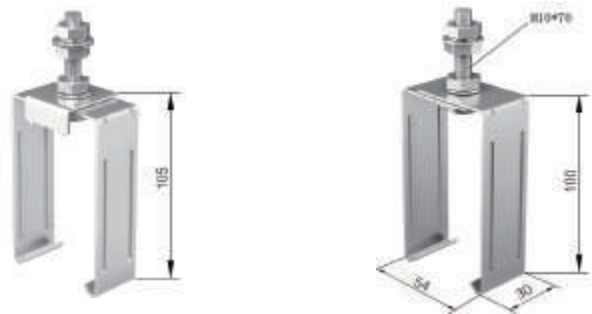
Type	Weight (kg)	Remark
52CB-1	0.03	Be used for: 52JD-4/40 52JD-7/40
52CB-2	0.03	52JD-7/40

HFP52 Accessories - Jointing Box
52JBX-1 52JBX-2



Type	Weight (kg)	Material
52JBX-1	0.22	Plastic
52JBX-2	0.26	Steel

HFP52 Accessories - Hanger
52HG-1 52HG-2



Type	Weight (kg)	Material
56HG-1	0.21	Steel
56HG-2	0.17	Steel

Note: 56HG-1 is fixed hanger,
No more 2pcs for each traveling line

HFP52 Accessories - Line Feed
52LF/500-X/m



Type	Weight (kg)
52LF/500-4/80A	1.77
52LF/500-4/140A	2.02
52LF/500-7/80A	3.05
52LF/500-7/140A	3.50

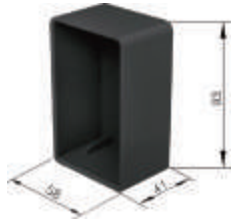
Note: Lind feed is required for the line more than 75m

HFP52 Accessories - Bolted Joint
52BJ



Type	Weight (kg)	Material
52BJ-80A	0.041	Steel cover & Copper plate
52BJ-120A	0.048	
52BJ-140A	0.052	
52PBT-50A	0.031	
52PBT-80A	0.038	
52PBT-100A	0.052	

HFP52 Accessories - End Cap
52EC

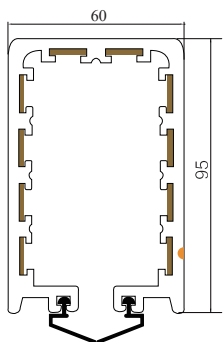


Type	Weight (kg)	Material
52EC	0.05	Plastic

HFP52 Accessories - End Feed
52EF



Type	Weight (kg)	Material
52EF	0.22	Plastic



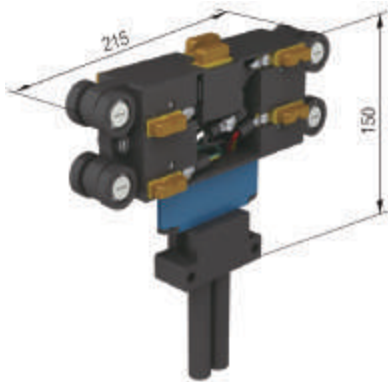
Model Code
HFP95-p-n/m

p: 5, 6, 7, 8, 9, 10
n: max.current capacity
m: conductor cross section

Standard Length : 4m, others is available,
but not more than 6m
Curves: $R \geq 1.5m$, 9pole and 10pole without curves
Joint method: No joints or by screws
Support Bracket : 1pc/1.2m for straight travel
Sealing strip (To be ordered separately)

Model	Pole No.	Cross section (mm ²)	Max. current (A)	Leakage-distance (mm)	Max. voltage (V)	Resistance (Ω)	Weight (kg)
HFP95-5-10/50	10	10	50	20	660	1.656	3.2
HFP95-5-15/80	10	15	80	20	660	1.193	3.28
HFP95-5-20/100	10	20	100	20	660	1.011	3.51
HFP95-6-10/50	10	10	50	20	660	1.656	3.16
HFP95-6-15/80	10	15	80	20	660	1.193	3.41
HFP95-6-20/100	10	20	100	20	660	1.011	3.68
HFP95-7-10/50	10	10	50	20	660	1.656	3.25
HFP95-7-15/80	10	15	80	20	660	1.193	3.56
HFP95-7-20/100	10	20	100	20	660	1.011	3.88
HFP95-8-10/50	10	10	50	20	660	1.656	3.34
HFP95-8-15/80	10	15	80	20	660	1.193	3.7
HFP95-8-20/100	10	20	100	20	660	1.011	4.04
HFP95-9-10/50	10	10	50	20	660	1.656	3.42
HFP95-9-15/80	10	15	80	20	660	1.193	3.77
HFP95-9-20/100	10	20	100	20	660	1.011	4.24
HFP95-10-10/50	10	10	50	20	660	1.656	3.54
HFP95-10-15/80	10	15	80	20	660	1.193	3.98
HFP95-10-20/100	10	20	100	20	660	1.011	5.21

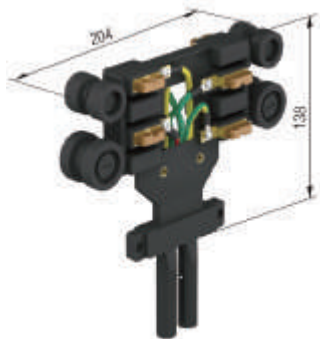
HFP95 Accessories - Current Collector
95JD



25A current collector is used for conductor bar 50A
40A current collector is used for conductor bar 65A-100A

Type	Weight (kg)	Poles	Power rating
95JD-5/25	1.05	5	25A
95JD-5/40	1.13	5	40A
95JD-8/25	1.25	8	25A
95JD-8/40	1.35	8	40A
95JD-10/25	1.45	10	25A
95JD-10/40	1.60	10	40A

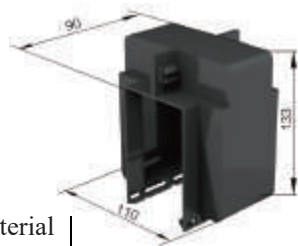
HFP95 Accessories - Current Collector
95JDR



25A current collector is used for conductor bar 50A
40A current collector is used for conductor bar 65A-100A

Type	Weight (kg)	Poles	Power rating
95JDR-5/25	0.85	5	25A
95JDR-5/40	0.89	5	40A
95JDR-6/25	0.94	6	25A
95JDR-6/40	0.99	6	40A
95JDR-8/25	1.22	8	25A
95JDR-8/40	1.32	8	40A

HFP95 Accessories - Jointing Box
95JBX



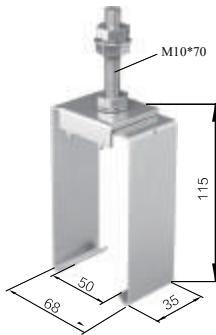
Type	Weight (kg)	Material
95JBX	0.11	Plastic

HFP95 Accessories - Line Feed
95LF



Type
95LF

HFP95 Accessories - Hanger
95HG-1 95HG-2



Type	Weight (kg)	Material
95HG-1	0.26	Steel
95HG-2	0.23	Steel

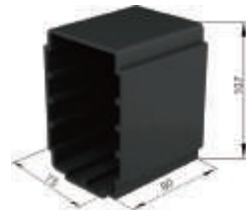
Special note: Max.2pcs each traveling line

HFP95 Accessories - Carbon Brush
95CB



Type	Weight (kg)	Remark
95CB	0.04	Be used for: 95JD and 95JDR

HFP95 Accessories - End Cap
95EC

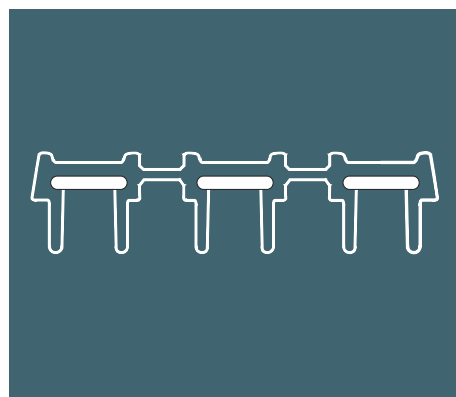


Type	Weight (kg)	Material
95EC	0.1	Plastic

HFP95 Accessories - End Feeding
95EF



Type	Weight (kg)	Material
95EF	0.28	Plastic



High Tro - Reel System

Mobile Electrification System

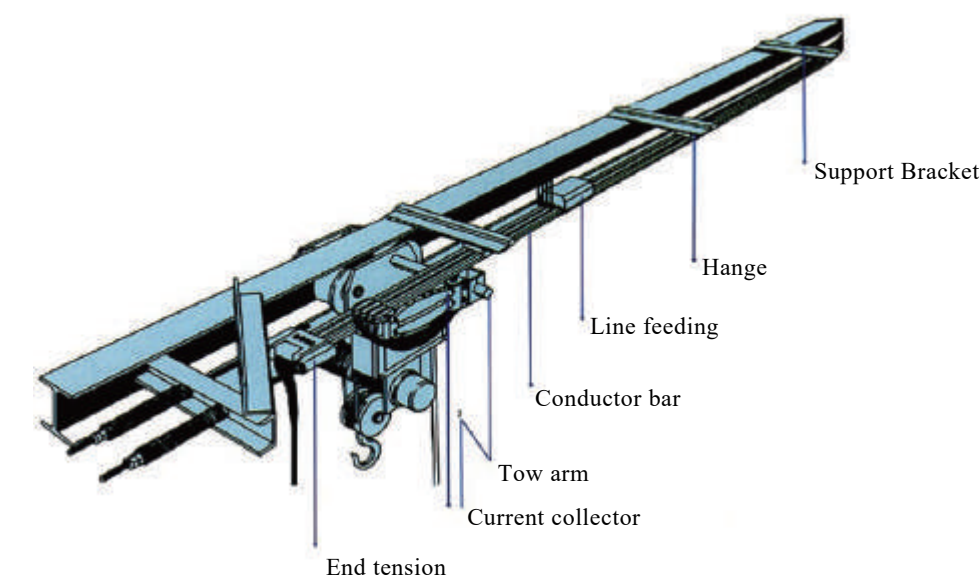
Catalogue

HTR-3, HTR-4, HTR-6 Series



NANTE HTR series High Tro Reel System is a new Type of industrial mobile power feeding system. It can be 3, 4, 6 poles with current capacity from 50A to 140A.

- Safe, Stable, Seamless.
- Light weight, Simple structure, Easy for carry and install.
- Copper contact closely with insulated sleeve, no bad contact due to vibration.
- Insulated material is special formula PVC, which is impact resistant, uv resistant.
- Suitable for various kind of curve runway. (Curve $R \geq 0.6m$)



Technical Data

Poles: 3P/ 4P/6P

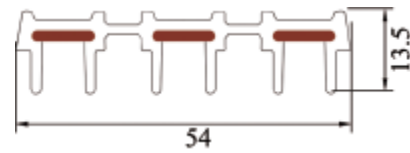
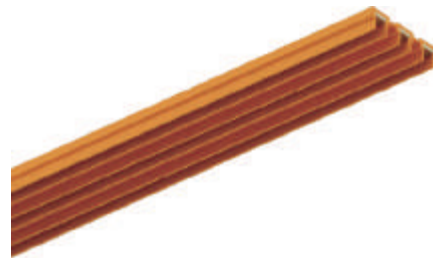
Max.current: 140A

Max.Voltage: 600V

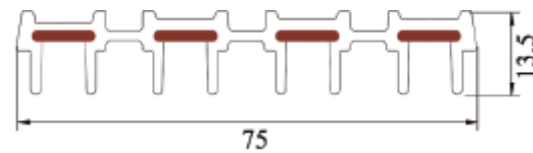
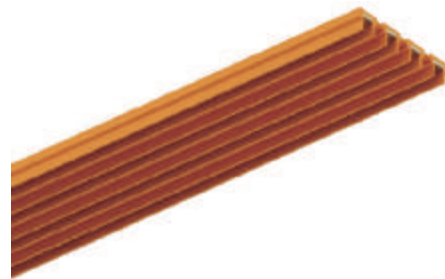
Material: Conductor Bar: Copper

Insulation: PVC (heat resistance: $75^{\circ}C$)

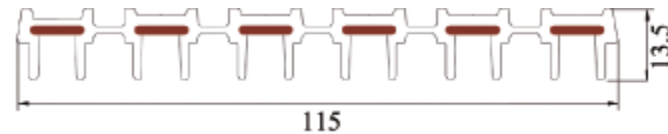
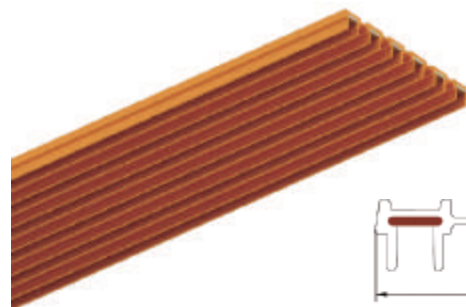
Sparts: Plastic / Galvanized Steel



Type	Poles	Conductor Cross Section (mm ²)	Max.Current (A)	Weight (kg/m)
HTR-3-10/50A	3	3x10	50A	0.57
HTR-3-15/80A	3	3x15	80A	0.73
HTR-3-20/100A	3	3x20	100A	0.85
HTR-3-25/120A	3	3x25	120A	0.98
HTR-3-35/140A	3	3x35	140A	1.27

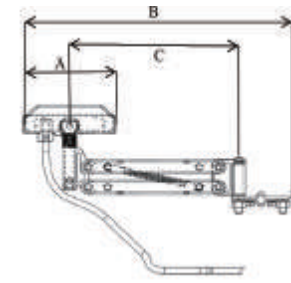


Type	Poles	Conductor Cross Section(mm ²)	Max.Current (A)	Weight (kg/m)
HTR-4-10/50A	4	3x10+1x10	50A	0.75
HTR-4-15/80A	4	3x15+1x10	80A	0.90
HTR-4-20/100A	4	3x20+1x10	100A	1.05
HTR-4-25/120A	4	3x25+1x10	120A	1.15
HTR-4-35/140A	4	3x35+1x10	140A	1.43



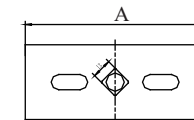
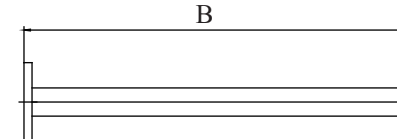
Type	Poles	Conductor Cross Section (mm ²)	Max.Current (A)	Weight (kg/m)
HTR-6-10/50A	6	6x10	50A	1.10
HTR-6-15/80A	6	6x15	80A	1.50

HTR Accessories - Current Collector
HTR-CC-3/60A / HTR-CC-4/60A / HTR-CC-6/60A



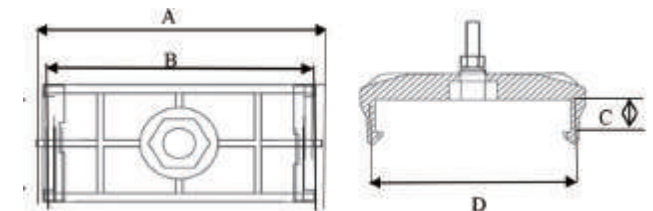
Type	A	B	C	Max.Voltage	Max. Current	Weight (kg)
HTR-CC-3/60A	90	300	175	600V	60A	0.30
HTR-CC-4/60A	90	300	175	600V	60A	0.40
HTR-CC-6/60A	90	300	175	600V	60A	0.60

HTR Accessories - Tow Arm
HTR-TA



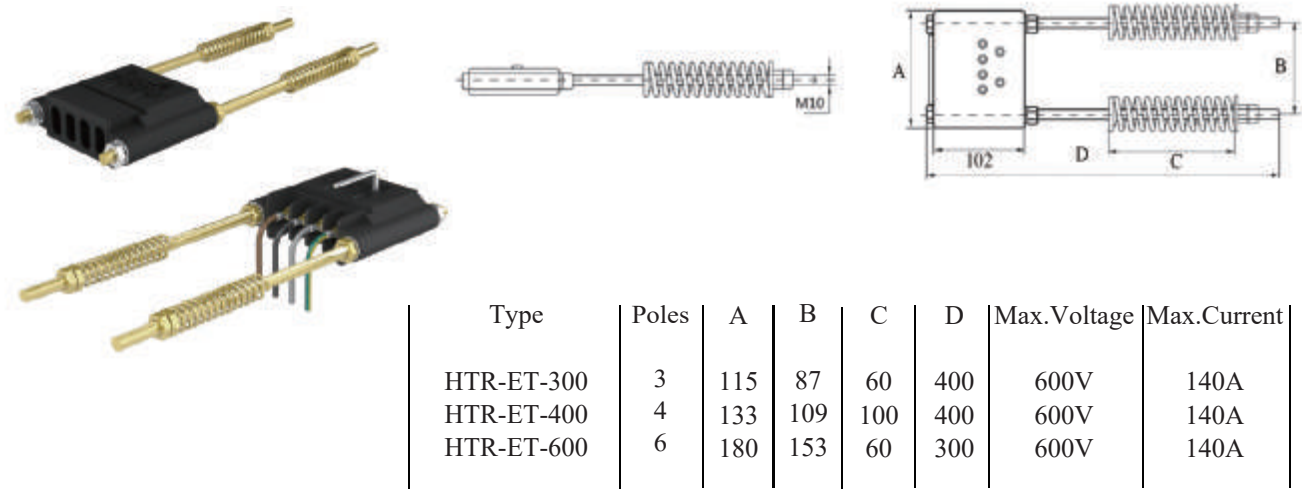
Type	A	B	Weight (kg)
HTR-TA	118	240	0.51

HTR Accessories - Hanger
HTR-HG-300/400/600

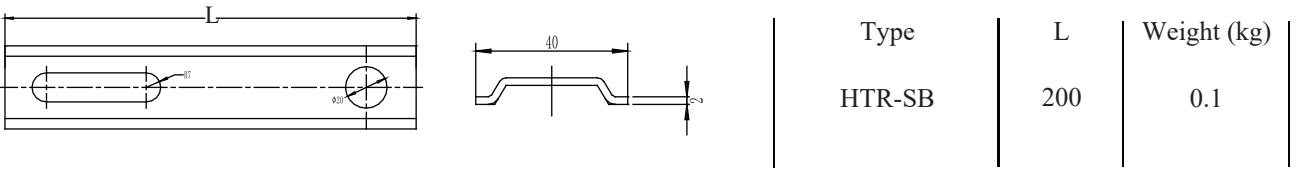


Type	Poles	A	B	C	D	Weight (kg)
HTR-HG-300	3	69	63	8.2	55	0.071
HTR-HG-400	4	88	82	8.2	75	0.075
HTR-HG-600	6	129	126	8.3	116	0.088

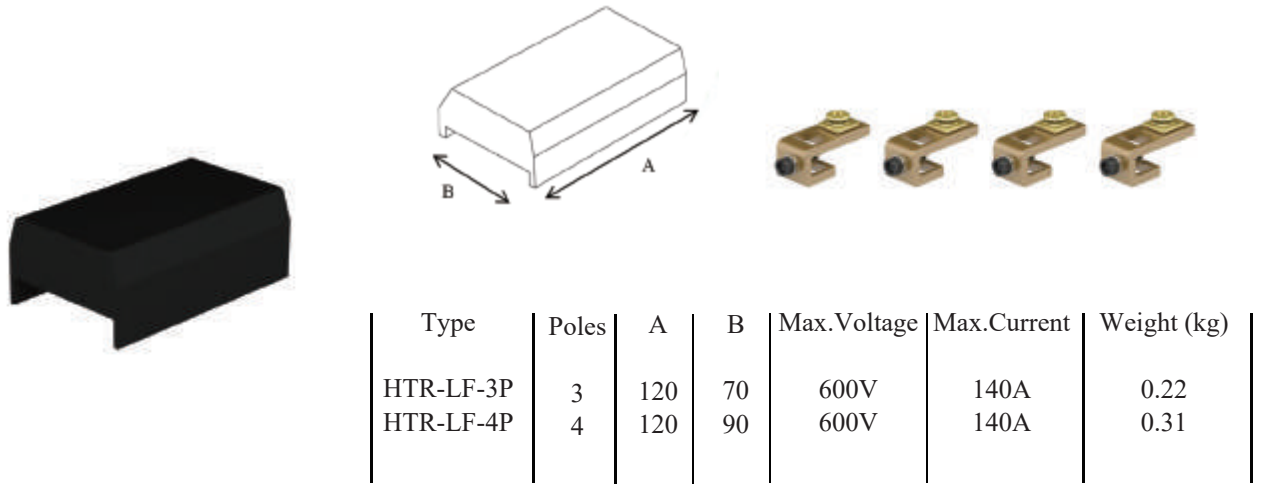
HTR Accessories - End Tensioner
HTR-ET-300/400/600



HTR Accessories - Support bracket
HTR-SB

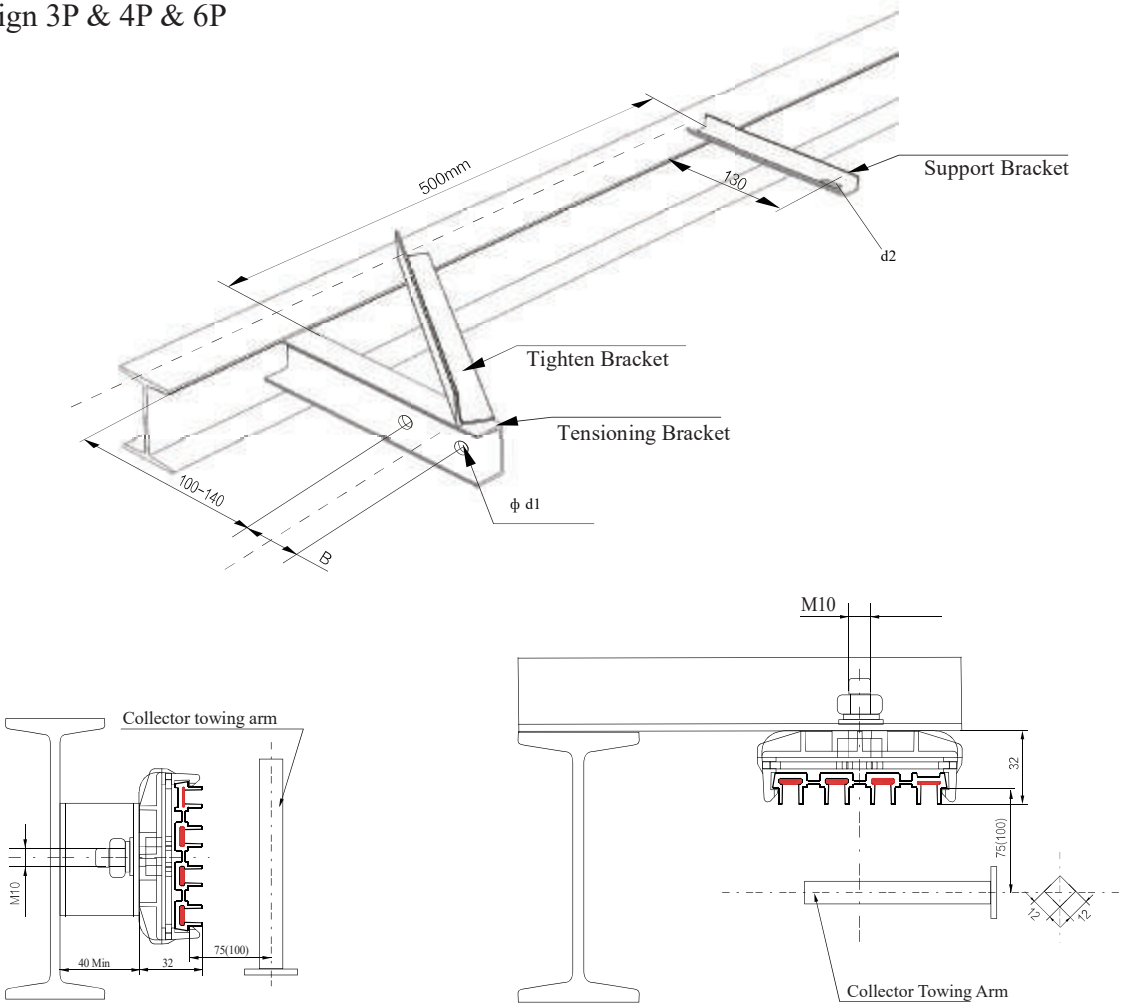


HTR Accessories - Line Feeding
HTR-LF-3P/4P

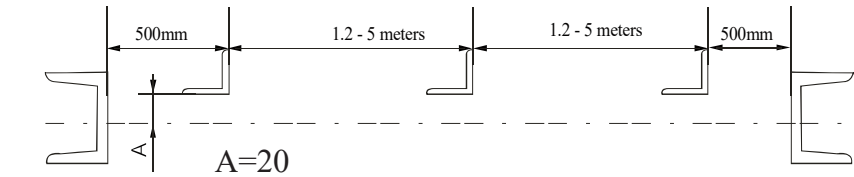


Installation Guide

Vertical Design 3P & 4P & 6P



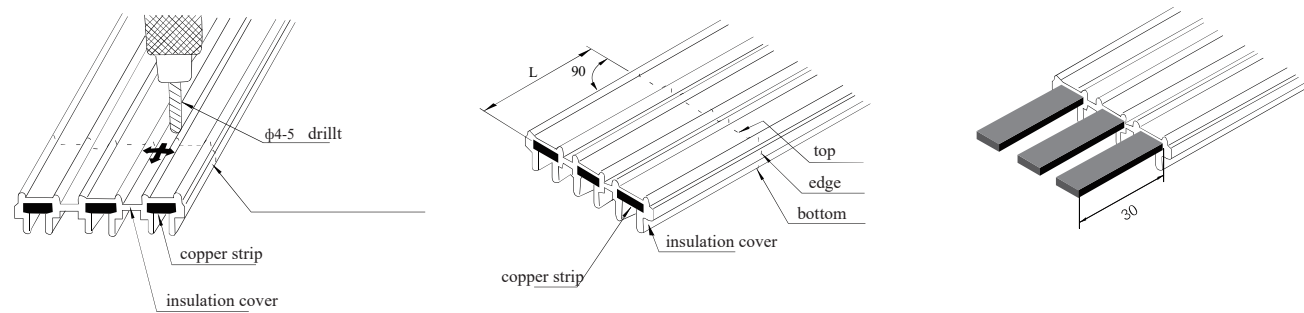
Step1. Support Design



Remark:

- 1) The side design installment is recommended when a camber occurs to the 3-6P safty power rail asseblly
- 2) The hanger clamps are supposed to be installed every 0.5meter from the starting point of the running.
- 3) The 3-6P tension part for safety power rails must be installed at the place about 10mm higher than the hanger clamp
This step prevents water from flowing to the power-in place along the safety power rails; so the short circuit will not happen
- 4) The silica gel must be coated on the connected place of the power-in part and saety power rail as weather protection
- 5) The 3-6P safety power rails are not suitable for outdoor usage or the place with high acidic/alkaline environments

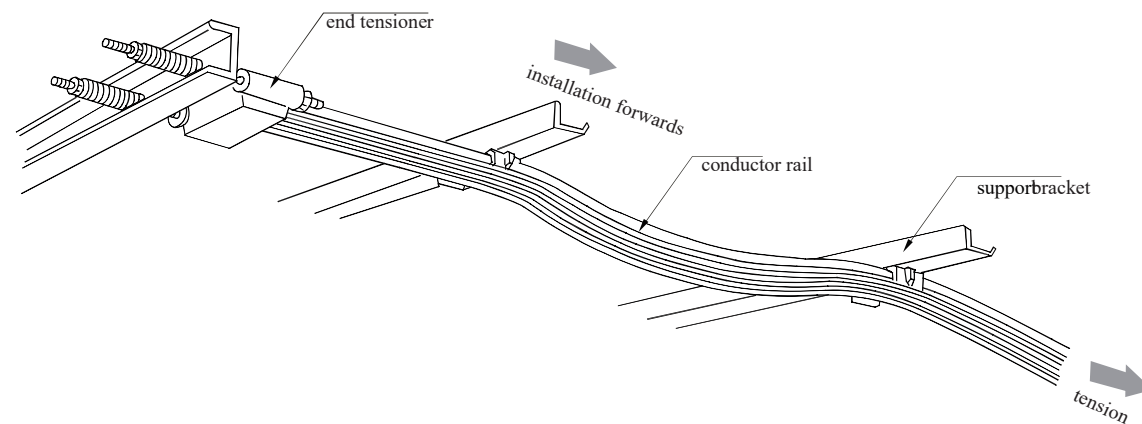
Step2. End Tension & Power-in



Remark:

- 1) Install one end of the ground then lift rail up to the estimated locain and install another
- 2) End tension (plstic cut needed): Cut the PVC material at 90mm from the starting point of the end.
- 3) Cut the concave PVC material at 10mm from the point of the step (1).
- 4) Safety power rail perforated through the End tensin, fixed with terminal board (use M6 * 12mm Hex Socket Screws), and bend the copper in a 90° angle.
- 5) Power cable perforated in the connector box first, located with terminal (use M8*16mm Hex Socket Screws).
- 6) Installment completed

Step 3 Hanger Clamp

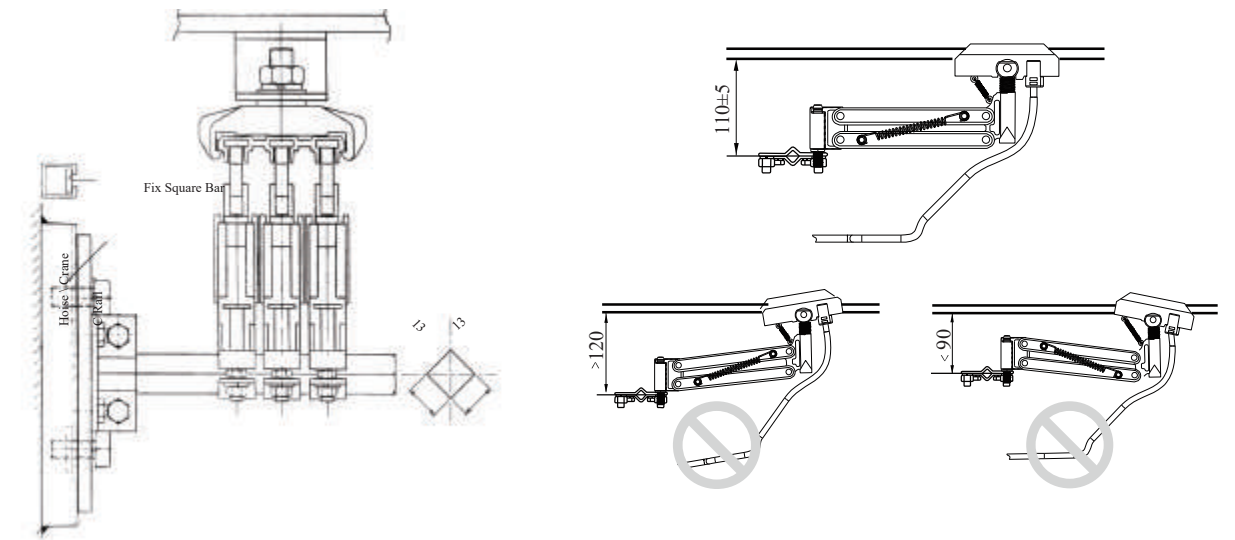


Remark:

- 1) Aim the hanger clamp with power rail and push up
- 2) Use a slotted screw driver to dismantle the hanger clamp

Step 4 Repeat the Step 2 End Tension & Power-in

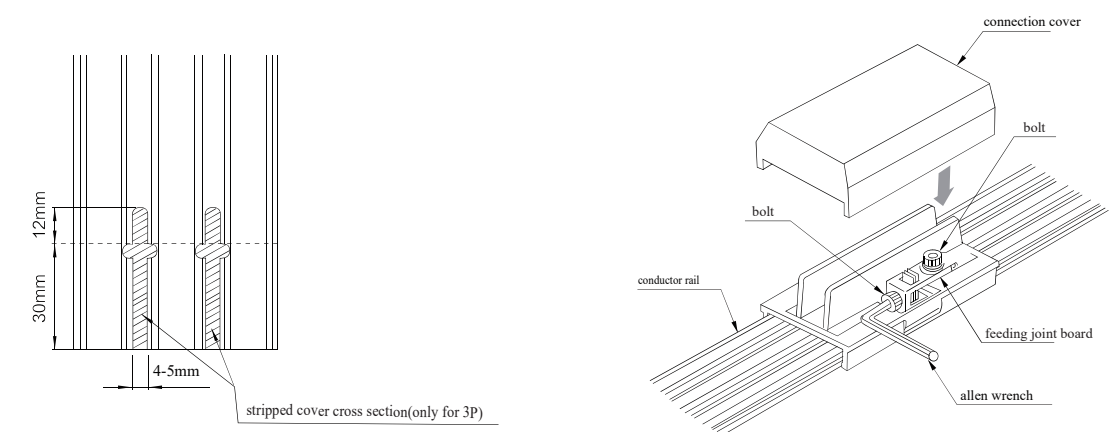
Step 5 Fix Square Bar & Current Collector



Remark:

- 1) Fix square bar could be welded on the crane or screw used.
- 2) Fix square bar's angle is supposed to be mounted. One diagonal of the bar must be parallel to ground and safety power rail, another is vertical
- 3) Length could be cut as demand
- 4) If carbon brushes worn, replace a new one.

Conductor Rail Connector and Line Feed



Remark:

- 1) Cut off the PVC material at 35mm from the end of safety power rail.
- 2) Bend upward copper material in vertical 90°angle.
- 3) Insert both sides of 90° vertical angle safety power rail into middle power feeding and connect both sides by screwing up M6 inner hexagon screw bolt on U type copper connector.



Unipole Insulated Conductor

Mobile Electrification System

Catalogue

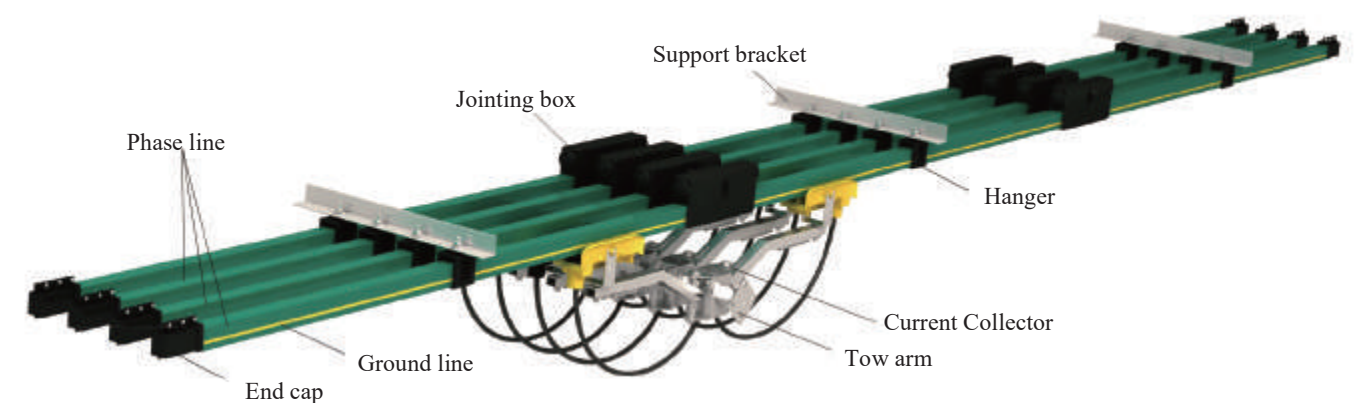
NSP-H Series

NSP-H unipole insulated conductor rail system is a modern mobile power supply system. The material of conductor rail can be copper and aluminum.

The aluminum conductor is mounted with a stainless strip to be long service life.

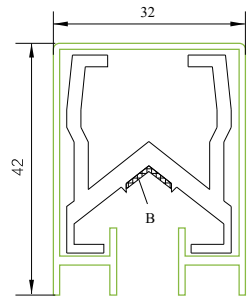
Any numbers of poles of conductor rail can be installed vertically or horizontally, no matter on straight or curved system. This type of conductor rail also can be used indoor and outdoor.

System Description



Technical Data

Unipole Conductor Rail system NSP-H Series					
Conductor rail	Aluminium			Copper	
Type	H19	H24	H32	H24	H32
Nominal current at 100% DC and 35°C[A]	150	250 - 300	320 - 1250	500 - 800	800 - 1600
D.C.resistance at 35°C [Ω/km]	0.376	0.2030.187	0.1530.046	0.1160.067	0.0670.039
Impedance at 35°C [Ω/km]	0.376	0.2090.195	0.1550.048	0.1180.069	0.0690.04
Support spacing [m]	1.8	1.5	1.8	1.5	1.8
Rail length [m]	4/6	4/6	4/6	4/6	4/6
Housing length [m]	3.88/5.88	3.88/5.88	3.83/5.83	3.88/5.88	3.83/5.83
Max.voltage [V]	660V	Dielectric strength[KV/mm]		30-40	
Travelling speed	≤ 600 m/min	Standard		GB7251.2-2006	
Expansion joint	only required when total length ≥ 200m				
Flame retardant	Class B1-no flaming particles,self-extinguishing				
Permissible ambient temperature	Standard insulation -20C- +70C				
	High temperature insulation -10C- +115C				

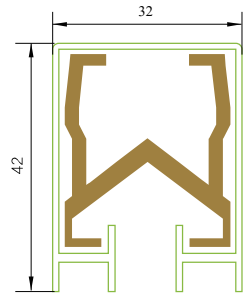


Model Code
NSP-H32-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m

Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Q/km)	Weight (kg/m)
NSP-H32-230/320	Aluminium	230	320	80	0.153	0.96
NSP-H32-285/500	Aluminium	285	500	80	0.116	1.13
NSP-H32-360/630	Aluminium	360	630	80	0.087	1.38
NSP-H32-420/800	Aluminium	450	800	80	0.067	1.5
NSP-H32-550/1000	Aluminium	550	1000	80	0.058	1.83
NSP-H32-600/1250	Aluminium	600	1250	80	0.046	2.01



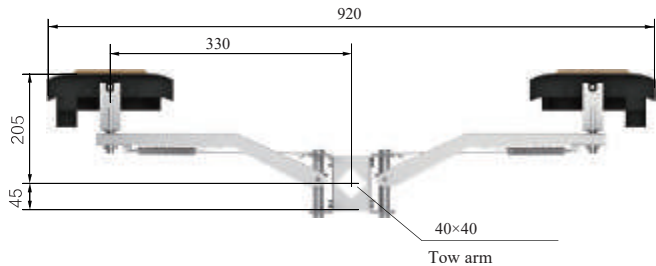
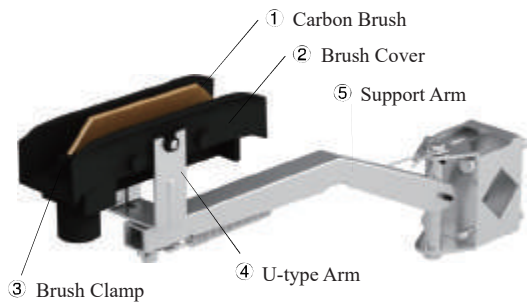
Model code
NSP-HT32-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m

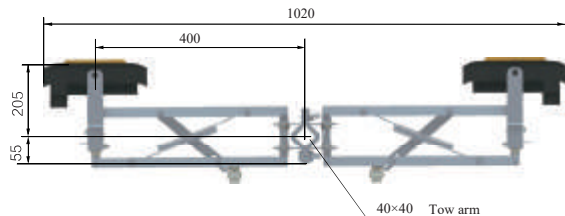
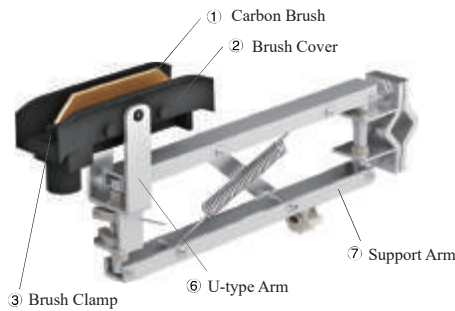
Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Q/km)	Weight (kg/m)
NSP-HT32-230/800	Copper	230	800	80	0.067	2.43
NSP-HT32-300/1000	Copper	300	1000	80	0.058	3.05
NSP-HT32-360/1250	Copper	360	1250	80	0.046	3.56
NSP-HT32-450/1600	Copper	450	1600	80	0.039	4.37

NSP-H32 Accessories - Current Collector
NCC-400 NCC*2-400



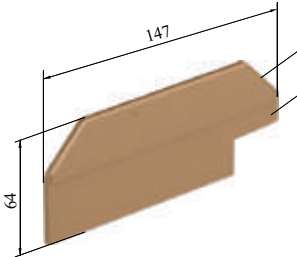
Type	Weight (kg)	Material	Rated Current
NCC-400	1.75	steel	400Amp
NCC*2-400	3.45	steel	800Amp

NSP-H32 Accessories - Current Collector
NCL-400 / NCL*2-400



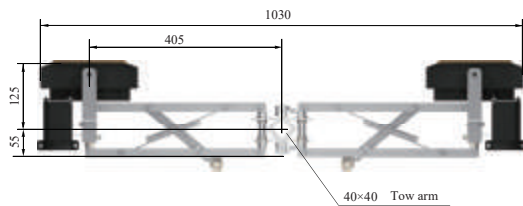
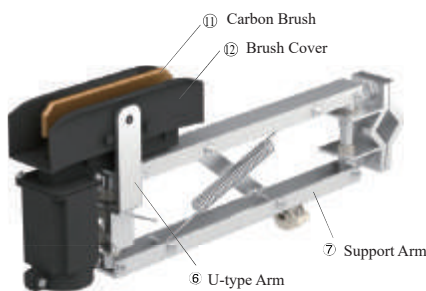
Type	Weight (kg)	Material	Rated Current
NCL-400	2.35	Aluminum	400Amp
NCL*2-400	4.61	Aluminum	800Amp

NSP-H32 Accessories - Carbon Brush & Spare Parts of Collector
H32CB-147



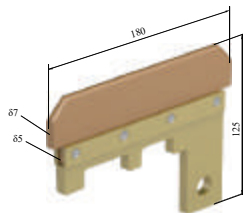
Name	Type	Weight (kg)	Material	Remark
Carbon brush	32CB-147	0.27	Copper-graphite Brush	①
Brush cover	32BC-1	0.18	Plastic	②
Brush clamp	32BL	0.025	Plastic	③
U-type arm	32UA-1	0.15	Steel	④
Support arm	32SA-1	1.2	Steel	⑤
U-type arm	32UA-2	0.2	Steel	⑥
Support arm	32SA-2	1.6	Steel	⑦
Carbon brush assembly	32CBA-1	0.57	Plastic&carbon brush&clamp	①+②+③+ Copper clamp

NSP-H32 ccessories - Current Collector
NCT-500 / NCT*2-500



Type	Weight (kg)	Material	Rated Current
NCT-500	3.05	Aluminum	500Amp
NCT*2-500	6.01	Aluminum	1000Amp

NSP-H32 Accessories - Carbon Brush & Spare Parts of Collector
H32CB-180 H32HT-2 H32TB-2



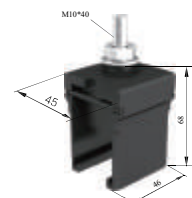
Name	Type	Weight (kg)	Material	Remark
Carbon brush	32CB-180	0.73	Copper-graphite brush	⑪
Brush cover	H32HT-2	0.30	Plastic	⑫
Carbon brush assembly	H32TB-2	1.03	Plastic & carbon brush	⑪

NSP-H32 Accessories - Tow Arm
HTA-400 / HTA-350



Type	Weight (kg)	Material
HTA-400	1.0	Galvanized Steel
HTA-350	0.85	
HTA-X	>1.00	

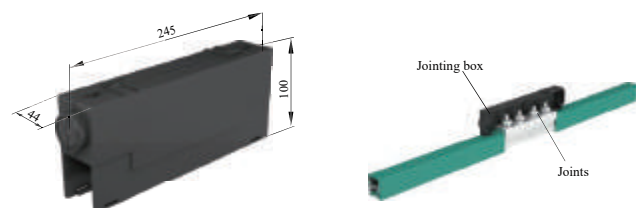
NSP-H32 Accessories - Hanger
H32HG-1 / H32HG5*



Type	Weight (kg)	Material
H32HG-1	0.075	Plastic
H32HG-5*	0.088	Polyseter

* be used for high temperature

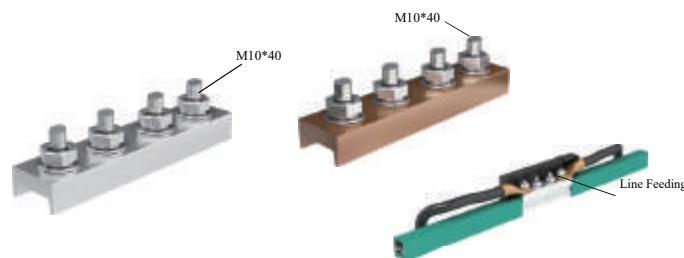
NSP-H32 Accessories - Jointing Box
H32JBX-1 / H32JBX-5*



Type	Weight (kg)	Material
H32JBX-1	0.21	Plastic
H32JBX-5*	0.23	Polyseter

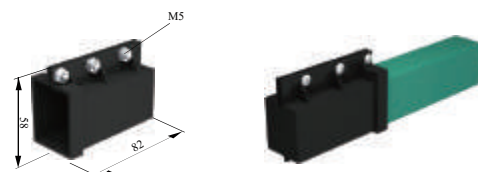
* be used for high temperature

NSP-H32 Accessories - Joint
H32JBT



Type	Weight (kg)	Material
H32JBT-500A	0.32	Aluminium
H32JBT-800A	0.41	Copper
H32JBT-1000A	0.40	Aluminium
H32JBT-1250A	0.66	Copper
H32JBT-1600A	0.82	Copper

NSP-H32 Accessories - End Cap
H32EC



Type	Weight (kg)	Material
H32EC	0.04	Plastic

NSP-H32 Accessories - Isolating Section
H32IS

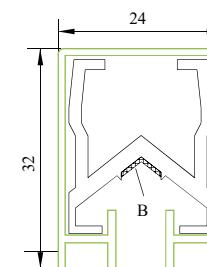


Type	Weight (kg)	Material
H32IS	0.13	Plastic

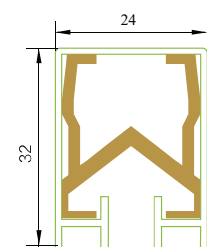
Model code
NSP-H24-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m



Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Ω/km)	Weight (kg/m)
NSP-H24-160/250	Aluminium	160	250	45 or 80	0.203	0.63
NSP-H24-180/300	Aluminium	180	300	45 or 80	0.187	0.71



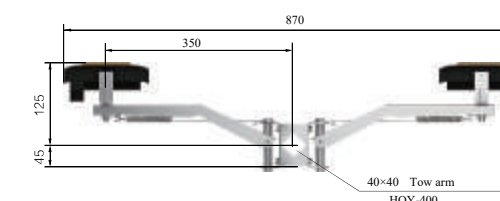
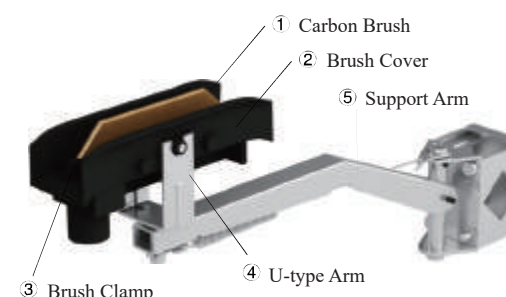
Model code
NSP-HT24-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m

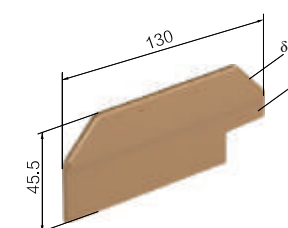
Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Ω/km)	Weight (kg/m)
NSP-HT24-160/500	Copper	160	500	45 or 80	0.112	1.68
NSP-HT24-180/600	Copper	180	600	45 or 80	0.098	1.86
NSP-HT24-200/700	Copper	200	700	45 or 80	0.087	2.04
NSP-HT24-230/800	Copper	230	800	45 or 80	0.076	2.3

NSP-H24 Accessories - Current Collector
NCC-200 & NCC*2-200



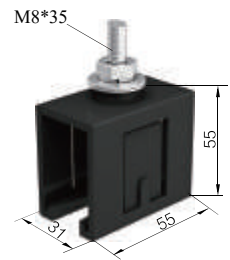
Type	Weight (kg)	Material	Rated Current
NCC-200	1.45	Galvanized Steel	200Amp
NCC*2-200	2.72	Steel	400Amp

NSP-H24 Accessories - Carbon brush & Spare parts of Collector
H24CB-130



Name	Type	Weight (kg)	Material	Remark
Carbon brush	24CB-130	0.120	Copper-graphite Brush	①
Brush cover	24HT-1	0.090	Plastic	②
Brush clamp	24HB-1	0.015	Plastic	③
U-type arm	24UA-1	0.095	Galvanized Steel	④
Support arm	32SA-1	1.200	Galvanized Steel	⑤
U-type arm	24UA-2	0.130	Galvanized Steel	⑥
Support arm	32SA-2	1.100	Galvanized Steel	⑦
Carbon brush assembly	24CBA-1	0.300	Plastic&carbon brush&clamp	①+②+③+
			Copper clamp	

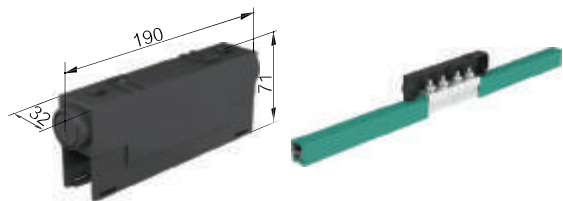
NSP-H24 Accessories - Hanger
H24HG-1 / H24HG-5*



Type	Weight (kg)	Material
H24HG-1	0.05	Plastic
H24HG-5*	0.05	Polyseter

* be used for high temperature

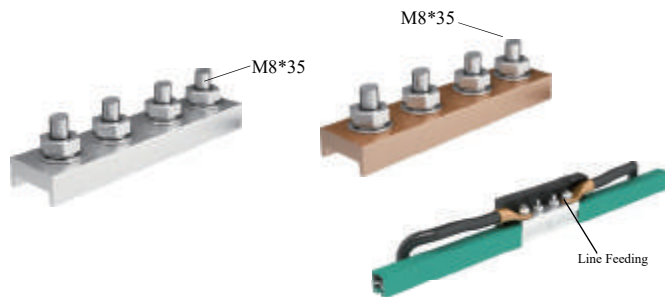
NSP-H24 Accessories - Jointing box
H24JBX-1 / H24JBX-5*



Type	Weight (kg)	Material
H24JBX-1	0.12	Plastic
H24JBX-5*	0.13	Polyseter

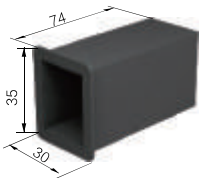
* be used for high temperature

NSP-H24 Accessories - Joints
H24JBT



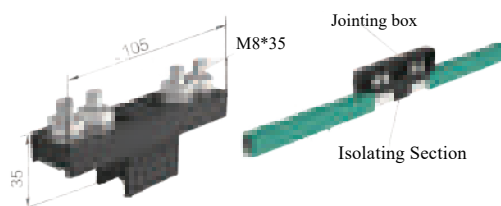
Type	Weight kg	Material
H24JBT-250A	0.15	Aluminium
H24JBT-500A	0.23	Copper
H24JBT-800A	0.31	Copper

NSP-H24 Accessories - End Cap
H24EC

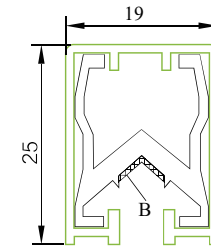


Type	Weight (kg)	Material
H24EC	0.02	Plastic

NSP-H24 Accessories - Isolating Section
H24IS



Type	Weight (kg)	Material
H24IS	0.07	Plastic

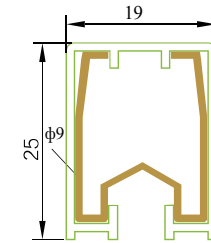


Model code
NSP-H19-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m

Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Ω/km)	Weight (kg/m)
NSP-H19-100/150	Aluminium	100	150	35 or 80	0.376	0.46



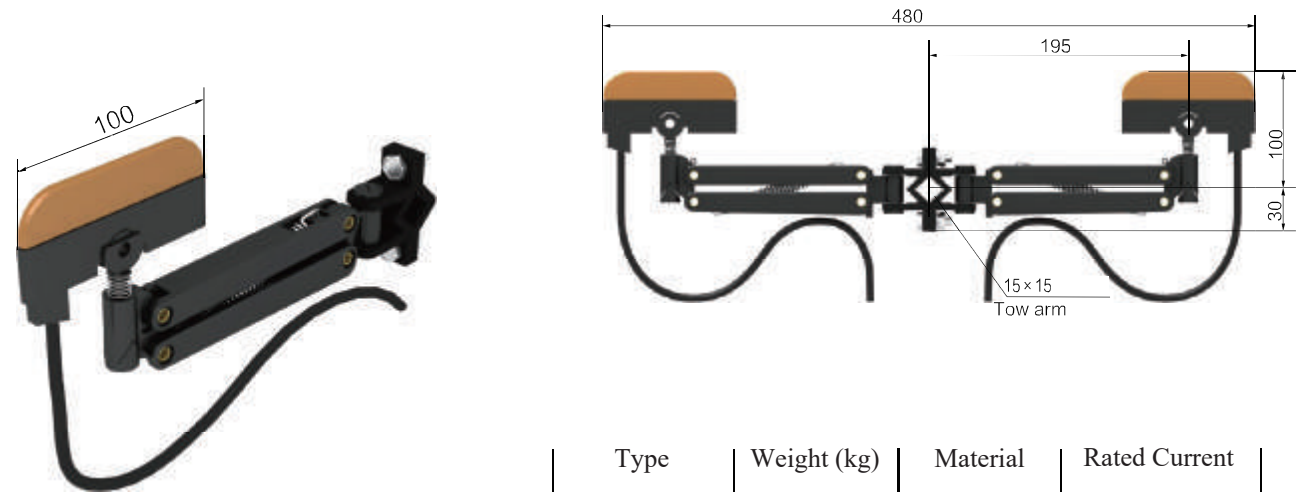
Model code
NSP-HT19-n/m

max.current capacity
conductor cross section

Standard Length : 4m, others are available,
but not more than 6m

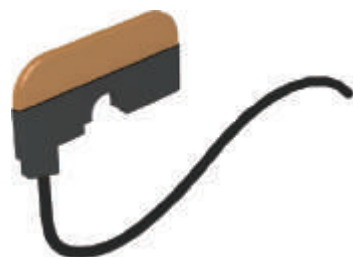
Type	Conductor Rail	Cross section (mm2)	Nominal current (A)	Leakage-distance (mm)	Resistance (Ω/km)	Weight (kg/m)
NSP-HT19-50/150	Copper	50	150	35 or 80	0.376	0.63
NSP-HT19-65/200	Copper	65	200	35 or 80	0.289	0.75
NSP-HT19-110/300	Copper	110	300	35 or 80	0.195	1.15
NSP-HT19-130/500	Copper	130	500	35 or 80	0.156	1.33

NSP-H19 Accessories - Current Collector
NCC-100 & NCC*2-100

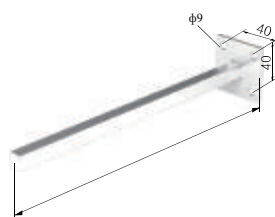


Type	Weight (kg)	Material	Rated Current
NCC-100	0.25	Galvanized Steel	100Amp
NCC*2-100	0.49	Steel	200Amp

NSP-H19 Accessories - Carbon brush & Spare parts of Collector
H19CB-100

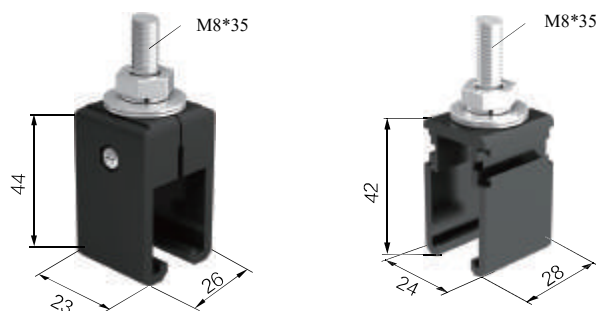


Type	Weight (kg)	Material
H19CB-100	0.1	Copper-graphite Brush

NSP-H19 Accessories - Tow arm
HTX-350

Type	Weight (kg)	Material
HTX-350	0.45	Galvanized Steel

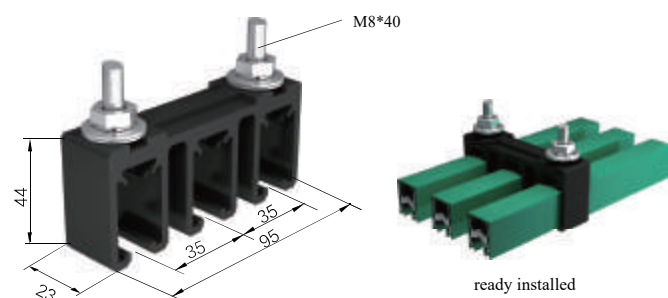
NSP-H19 Accessories - Hanger
H19HG-1 / H19HG-2 / H19HG-5*



Type	Weight (kg)	Material
H19HG-1	0.043	Plastic
H19HG-2	0.035	Plastic
H19HG-5*	0.043	Polyseter

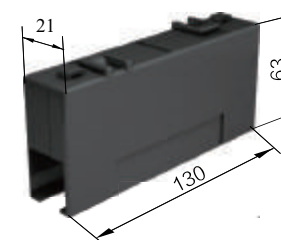
* be used for high temperature

NSP-H19 Accessories - Hanger
H19HG-13 / H19HG-35*



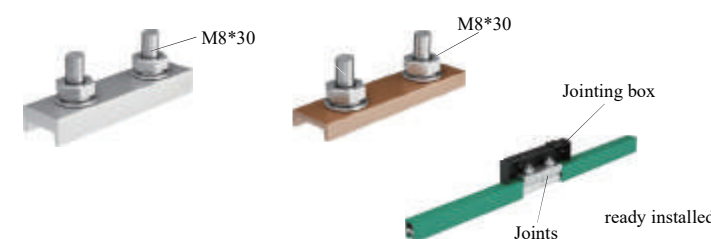
Type	Weight (kg)	Material
H19HG-13	0.088	Plastic
H19HG-35*	0.092	Polyseter

NSP-H19 Accessories - Jointing box
H19JBX-1 / H19JBX-5*

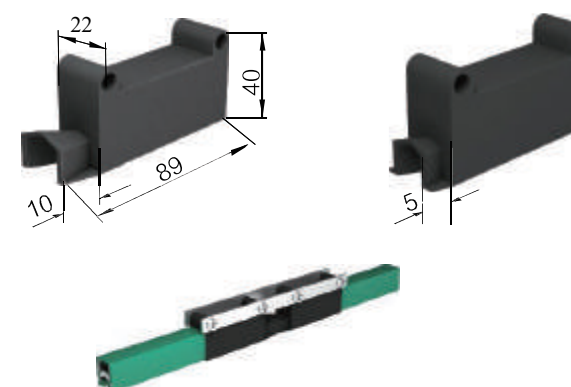


Type	Weight (kg)	Material
H19JBX-1	0.078	Plastic
H19JBX-5*	0.083	Polyseter

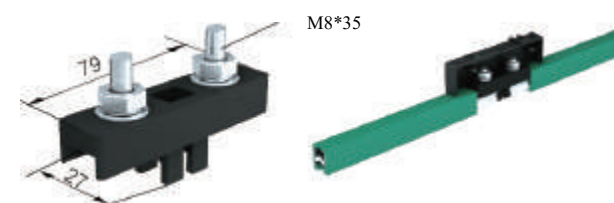
* be used for high temperature

NSP-H19 Accessories - Joints
H19JBT

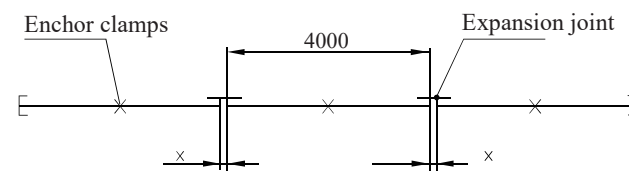
Type	Weight (kg)	Material
H19JBT-150A	0.071	Aluminium
H19JBT-200A	0.085	Copper
H19JBT-300A	0.092	Copper
H19JBT-500A	0.119	Copper

NSP-H19 Accessories - End Cap
H19EC

Type	Weight (kg)	Material
H19EC	0.02	Plastic

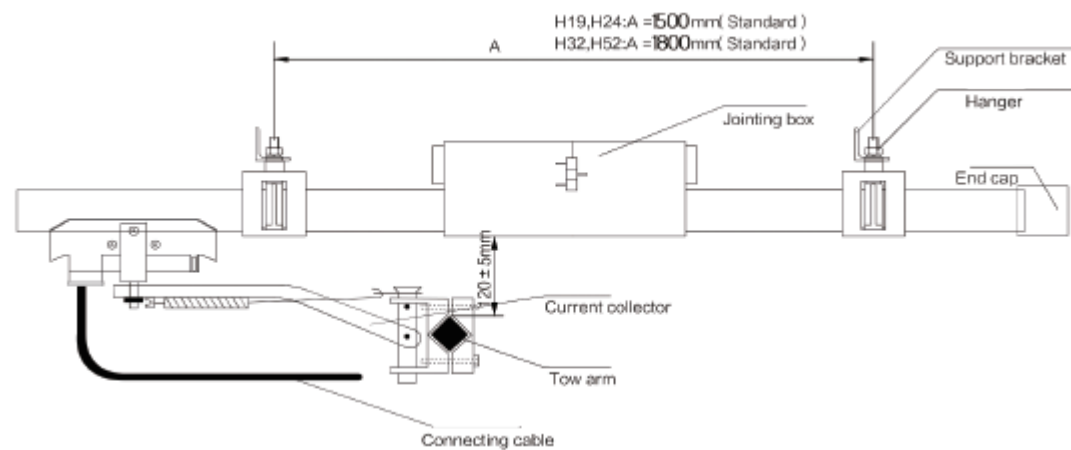
NSP-H19 Accessories - Isolating Section
H19IS

Type	Weight (kg)	Material
H19IS	0.07	Plastic



Type	Material
H19EJ-AL	AL
H19EJ-CU	CU
H24EJ-AL	AL
H24EJ-CU	CU
H32EJ-AL	AL
H32EJ-CU	CU

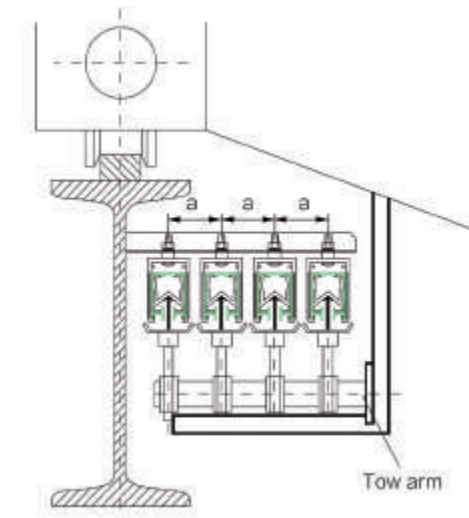
NSP-H Installation Diagram



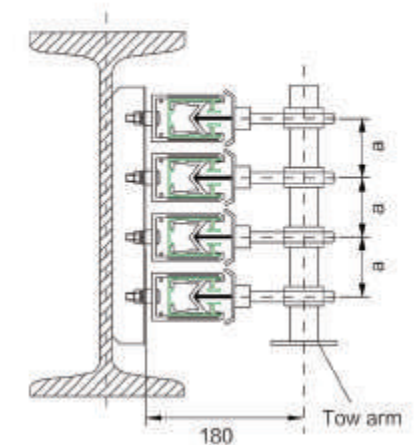
Installation Guide

1. Support Installation: Fix the two supports of both sides of the track (welding or bolt) and adjust to the horizontal state (add 1 or 2 points to meet the length of the wiring route). Take the wiring between the two supports as the benchmark, the rest supports should be installed according to the standard distance (1800 mm for bolt and 2000 mm for welding), to ensure the depth of parallelism of the conductor rail between the height of the track less than 10 mm.
2. The connection part of the conductor and the connector should be polished with abrasive cloth to remove the oxide layer, apply the electrical conductive pastes and screw the bolt, double check if the seam of the guides is in minimum.
3. The installation of the current collector: Define the length of the tow arm unit according to the poles of electrode and installation space. 120±5mm distance should be ensured in distance between the upper end and down end of the conductor rail (refer to the installation diagram of the conductor rail for more details)
4. End cap: Install the end caps on both sides and tighten them with rubberized fabric.
5. Inspection: Inspect the depth of parallelism between the conductor rail and operation track of the hoisting unit and control the depth within 20mm, make a test run and check the running state of the flake passing through each nodal point, tighten all the fastening piece if some problems occurs, try to run one month without interval and tighten all fastening pieces again.

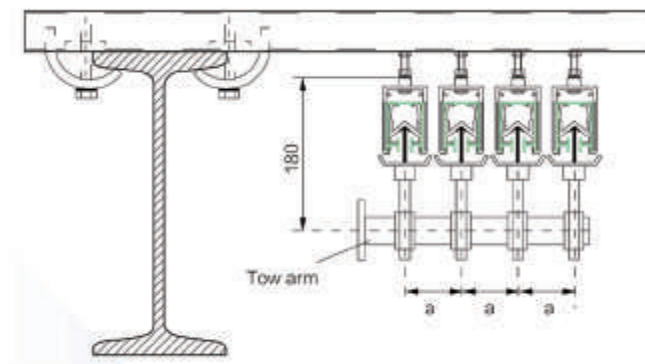
NSP-H System Installtion



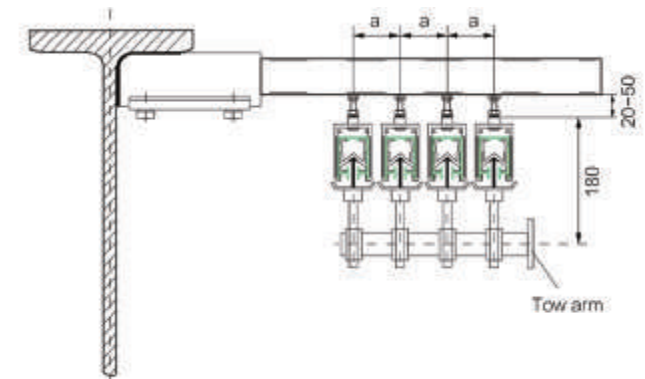
Angle Steel Bracket - Vertical Installation



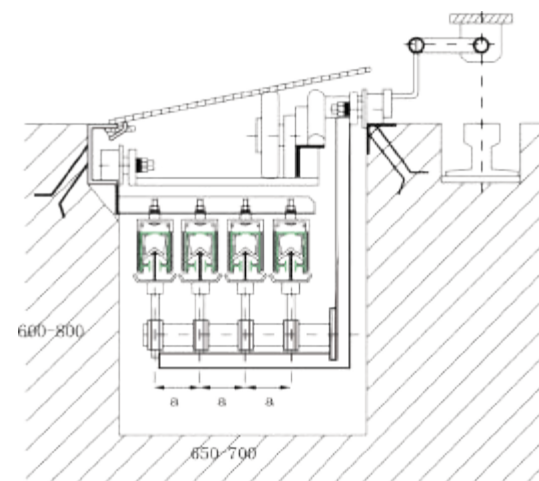
Angle Steel Bracket - Horizontal Installation



C-track Bracket - Vertical Installation



C-track Bracket - Vertical Installation



Trench Installation

Type	Distance between two conductor rail
H32	80
H24	45 OR 80
H19	35 OR 80



Festoon System

Mobile Electrification System

Catalogue

C-track,I-beam,Wire-rope Series



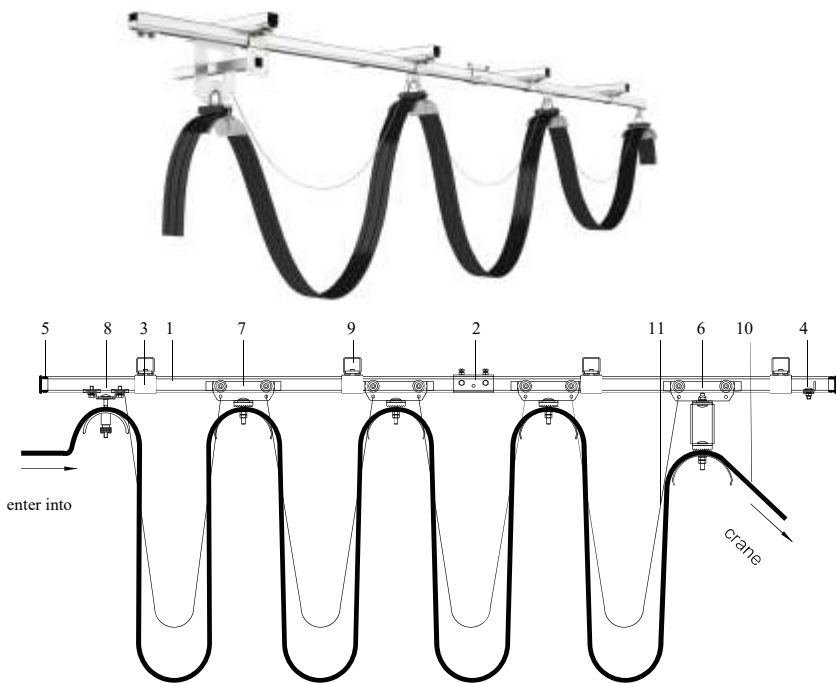
NANTE cable festoon system provide a safe, effective and economical way of supplying power to cranes, hoists and moving machinery travelling along fixed tracks. NANTE can offer the festoon system for C track, I beam, Angel Bar, Wire rope, Square Pipe etc.

Features:

- Safe and reliable
- Simple to install or modify
- Enclosed self cleaning track
- Minimum maintenance

General

1. C-track
2. Joint
3. Hanger
4. End stop
5. End cap
6. Towing Trolley
7. Middle Trolley
8. End Trolley
9. Support Bracket
10. Cable
11. Steel Wire

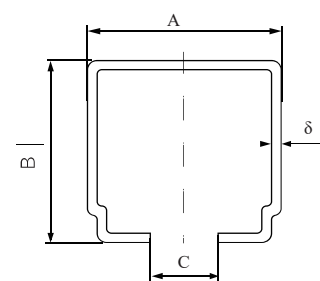


Technical Data

Travel speed	< 120m/min
Temperature	-40℃ -- +125℃
Cable load	< 120kg

Travel speed	Cable loop depth
max.35m/min	≥0.3m
35-50m/min	≤0.8m
50-80m/min	≥0.8m

C-track Festoon accessories - C-track
C32/ C40/ C63

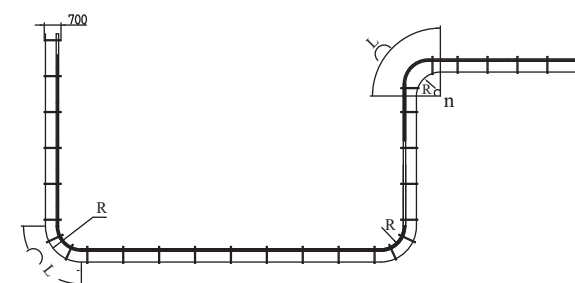


$L = n \times R / 180^\circ$
L is curve length,
n is central angle,
R is curved radius



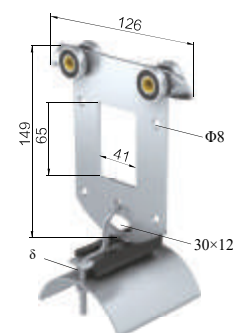
Type	Weight (kg/m)	A	B	C	δ
C32*30*1.5	1.19	32	30	12	1.5
C40*40*2.0	2.0	40	40	13	2.0
C63*63*4.0	5.98	63	63	18	18

Material: Galvanized Steel, 304#, 316# Stainless Steel
(Nylon coating is optional for heavy corrosion environment)
Curve $R \geq 1.0m$, only C32 can be curve



C-track Festoon Accessories - C32 Trolleys for Flat Cable
C32TT-75/ C32MT-75

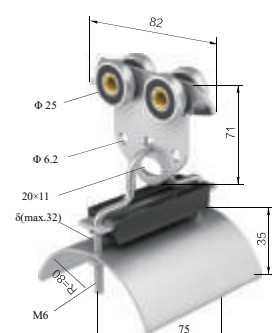
C32TT-75 - Towing trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 75 W* 32mm
Max. Cable weight: 25kg
Weight of Trolley: 0.59kg

C32MT-75 - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 75 W* 32mm
Max. Cable weight: 30kg
Weight of Trolley: 0.41kg

C-track Festoon Accessories - C32 Trolley for Flat Cable
C32TT-70/ C32MT-70 / C32ET

C32TT-70 - Towing trolley

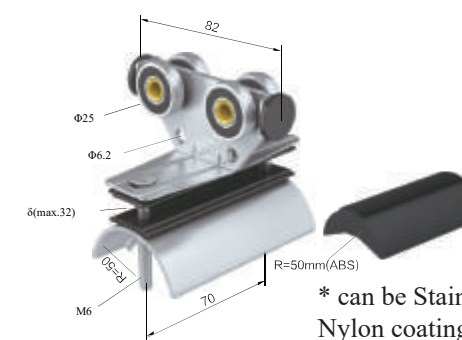


* can be Stainless Steel,
Nylon coating is optional

Technical Feature

Wheels: Ball bearing
Max Travel Speed: 120m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 70 W* 32mm
Max. Cable weight: 22kg
Weight of Trolley: 0.55kg

C32MT-70 - Middle trolley

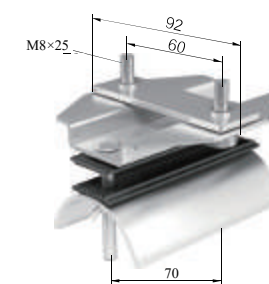


* can be Stainless Steel,
Nylon coating is optional

Technical Feature

Wheels: Ball bearing
Max Travel Speed: 120m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 70 W* 32mm
Max. Cable weight: 22kg
Weight of Trolley: 0.32kg

C32ET- End trolley

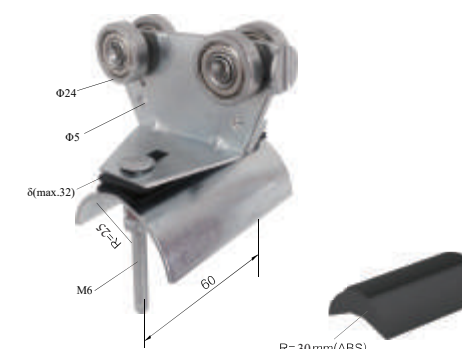


* can be Stainless Steel,
Nylon coating is optional

Technical Feature

Max Travel Speed: 120m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 70 W* 32mm
Max. Cable weight: 25kg
Weight of Trolley: 0.31kg

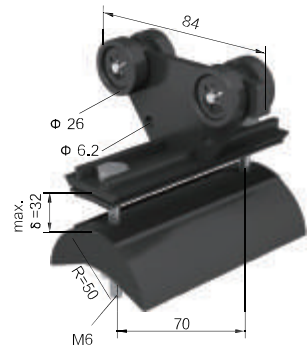
C-track Festoon Accessories - C32 Trolley for Flat Cable
C32MT-60 Middle trolley



Technical Feature

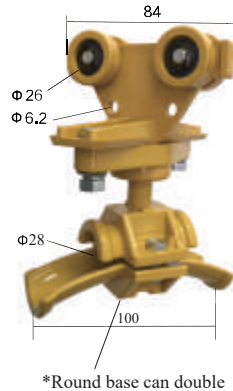
Wheels: Bearing
Max Travel Speed: 120m/min
Material: Galvanized Steel + ABS
Temperature: $-30^\circ\text{C} \sim +100^\circ\text{C}$
Max. Cable (mm): 60 W* 32mm
Max. Cable weight: 20kg
Weight of Trolley: 0.32kg

C-track Festoon Accessories - C32 Plastic Middle Trolley
C32PP-70 / C32RPP-30



Technical Feature

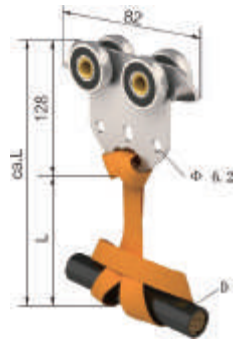
Wheels: Nylon
Max Travel Speed: 120m/min
Material: --ABS
Temperature: -30℃ ~ +80℃
Max. Cable (mm): 70 W* 32mm
Max. Cable weight: 8kg
Weight of Trolley: 0.14kg



Technical Feature

Wheels: Nylon
Max Travel Speed: 120m/min
Material: Galvanized Steel + ABS
Temperature: -30℃ ~ +80℃
Max. Cable (mm): $\phi 28$ mm
Max. Cable weight: 8kg
Weight of Trolley: 0.15kg

C-track Festoon accessories - C32 Plastic Middle Trolley
C32RMT

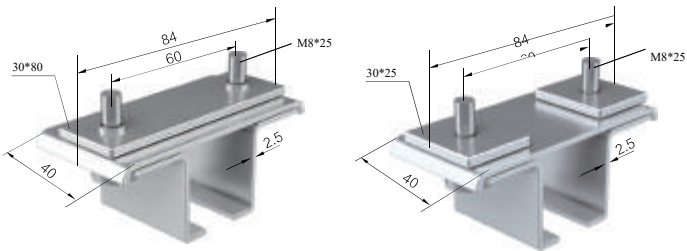


Technical Feature

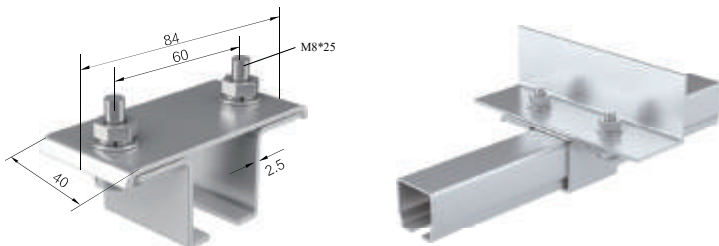
Wheels: Ball bearing
Max Travel Speed: 120m/min
Material: Galvanized Steel + Nylon
Temperature: -30℃ ~ +100℃
Max. Cable (mm): $\phi 50$ mm / $\phi 80$ mm / $\phi 160$ mm
Max. Cable weight: 22kg
Weight of Trolley: 0.29kg

C-track Festoon Accessories - C32 Hanger
C32HG-1/ C32HG-2/ C32HG-5

C32HG-1/ C32HG-2 for C-track support bracket

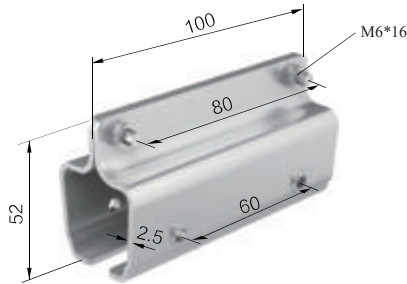


C32HG-5 for Angle steel support bracket



Type	Weight (kg)	Material
C32HG-1	0.22	Galvanized Steel
C32HG-2	0.22	Steel
C32HG-5	0.20	

C-track Festoon Accessories - C32 Joints
C32JS-2



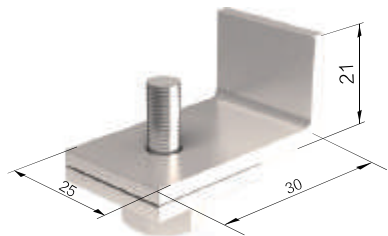
Type	Weight (kg)	Material
C32JS-2	0.27	Galvanized Steel

C-track Festoon Accessories - C32 End Cap
C32EC



Type	Weight (kg)	Material
C32EC	0.005	Plastic

C-track Festoon Accessories - C32 End Stop
C32ED

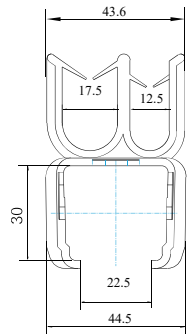


Type	Weight (kg)	Material
C32ED	0.05	Galvanized Steel

*C32ED used for C32/C40 track

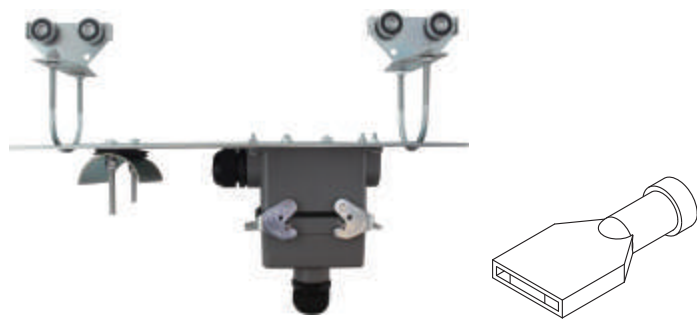


C-track Festoon accessories - C32 Cable Clip
C32CP



Type	Weight (kg)	Material
C32CP	0.02	Plastic

C-track Festoon Accessories - C32 Pendant Trolley for Flat Cable
C32PT

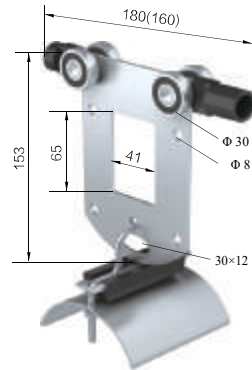


Type	Weight (kg)	Material
C32PT	2.5	Galvanized Steel

Can Customized with Flat Cable Gland

C-track Festoon Accessories - C40 Trolleys
C40TT / C40MT / C40RMT

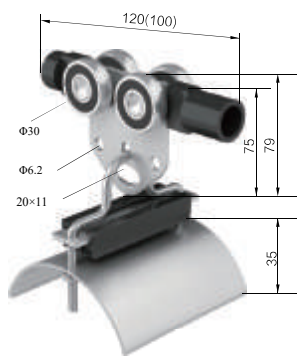
C40TT - Towing trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: -30℃ ~ +100℃
Max. Cable (mm): 75 W*32mm
Max. Cable weight: 35kg
Weight of Trolley: 0.65kg

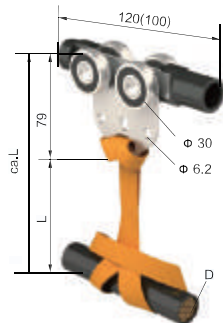
C40MT - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: -30℃ ~ +100℃
Max. Cable (mm): 75 W*32mm
Max. Cable weight: 30kg
Weight of Trolley: 0.52kg

C40RMT - Plastic middle trolley

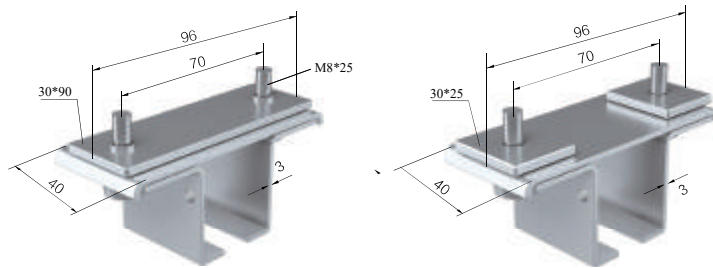


Technical Feature

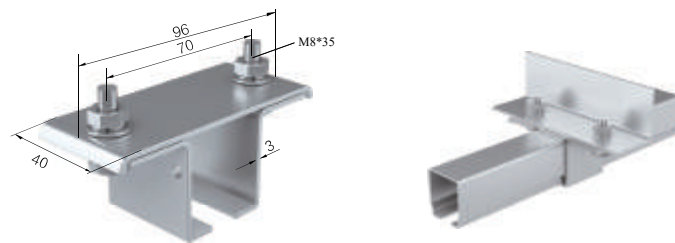
Wheels: Ball bearing
Max Travel Speed: 100m/min
Material: Galvanized Steel + Nylon
Temperature: -30℃ ~ +100℃
Max. Cable (mm): φ50mm / φ80mm / φ160mm
Max. Cable weight: 28kg
Weight of Trolley: 0.33kg

C-track Festoon Accessories - C40 Hanger
C40HG-1/ C40HG-2 / C40HG-5

C40HG-1 and C40HG-2 for C-track support bracket

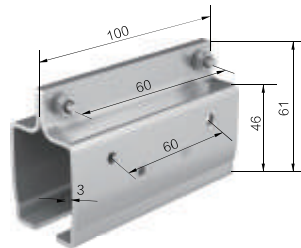


C40HG-5 for Angle steel support bracket



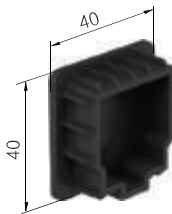
Type	Weight (kg)	Material
C40HG-1	0.30	Galvanized Steel
C40HG-2	0.30	
C40HG-5	0.22	

C-track Festoon Accessories - C40 Joints
C40JS-2



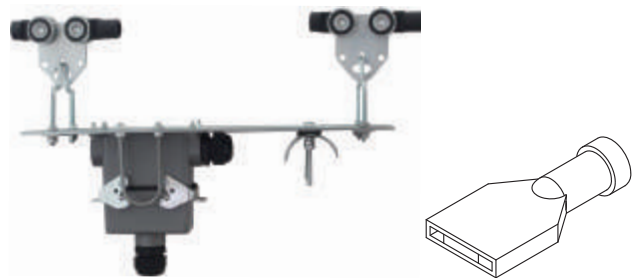
Type	Weight (kg)	Material
C40JS-2	0.32	Galvanized Steel

C-track Festoon Accessories - C40 End Cap
C40EC



Type	Weight (kg)	Material
C40EC	0.01	Plastic

C-track Festoon Accessories - C40 Pendant Trolley for Flat Cable
C40PT

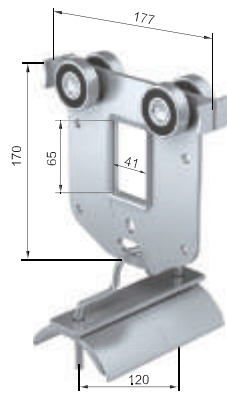


Type	Weight (kg)	Material
C40PT	2.7	Galvanized Steel

Can Customized with Flat Cable Gland

C-track Festoon Accessories - C63 Trolleys for Flat Cable
C63TT / C63MT/ C63ET

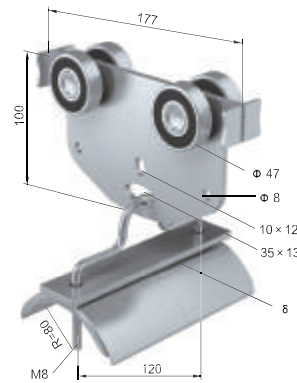
C63TT- Towing trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel
Temperature: -30°C ~ +100°C
Max. Cable (mm): 120 W*40mm
Max. Cable weight: 65kg
Weight of Trolley: 2.3kg

C63MT - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel
Temperature: -30°C ~ +100°C
Max. Cable (mm): 120 W*40mm
Max. Cable weight: 65kg
Weight of Trolley: 1.95kg

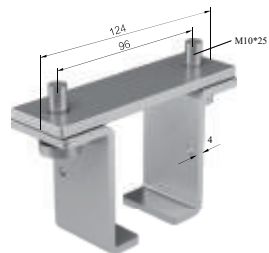
C63ET - End trolley



Technical Feature

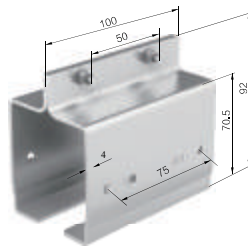
Max Travel Speed: 160m/min
Material: Galvanized Steel
Temperature: -30°C ~ +100°C
Max. Cable (mm): 120 W*40mm
Max. Cable weight: 65kg
Weight of Trolley: 1.15kg

C-track Festoon Accessories - C63 Hanger
C63HG



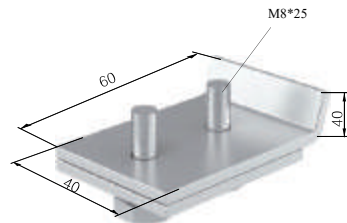
Type	Weight (kg)	Material
C63HG	0.45	Galvanized Steel

C-track Festoon Accessories - Joints
C63JS



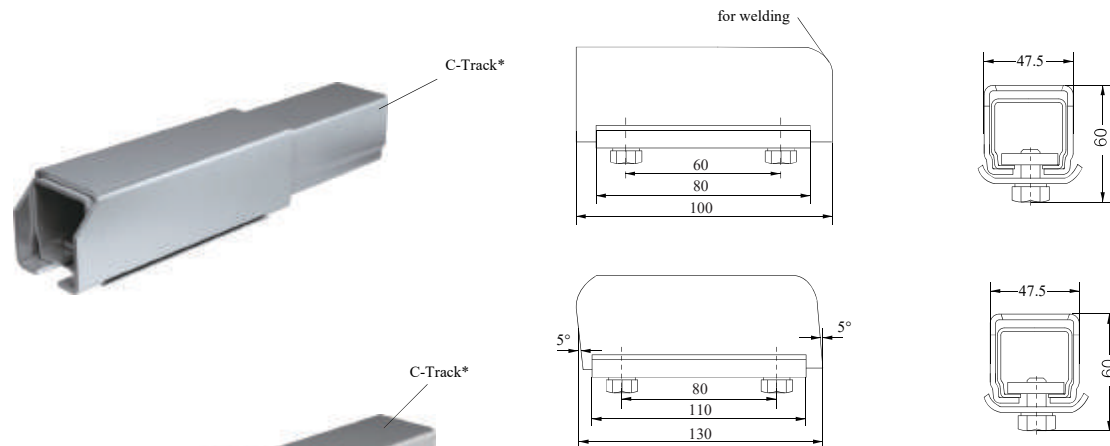
Type	Weight (kg)	Material
C63JS	0.72	Galvanized Steel

C-track Festoon Accessories - End Stop
C63ED



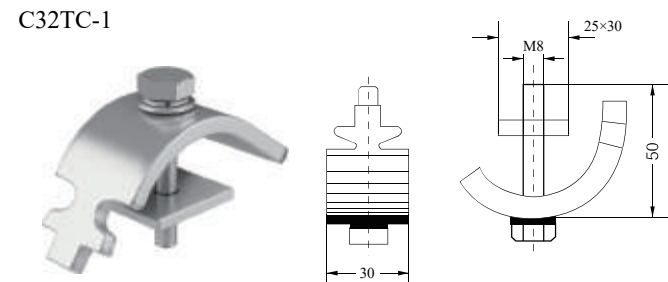
Type	Weight (kg)	Material
C63ED	0.72	Galvanized Steel

C-track Festoon Accessories - C40 Support Attachment
C40SA-1 /C40SA-2

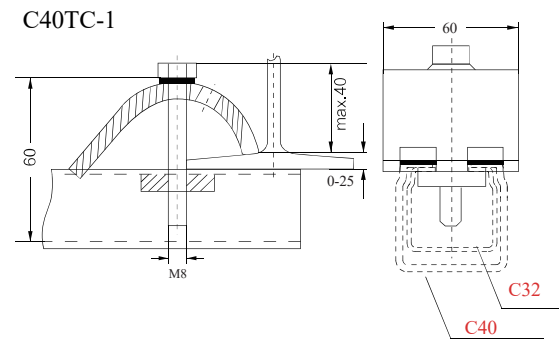


Type	Weight (kg)	Material
C40SA-1	0.936	Galvanized Steel
C40SA-2	0.951	Steel

C-track Festoon Accessories - C-track Claw
C32TC-1/ C40TC-1

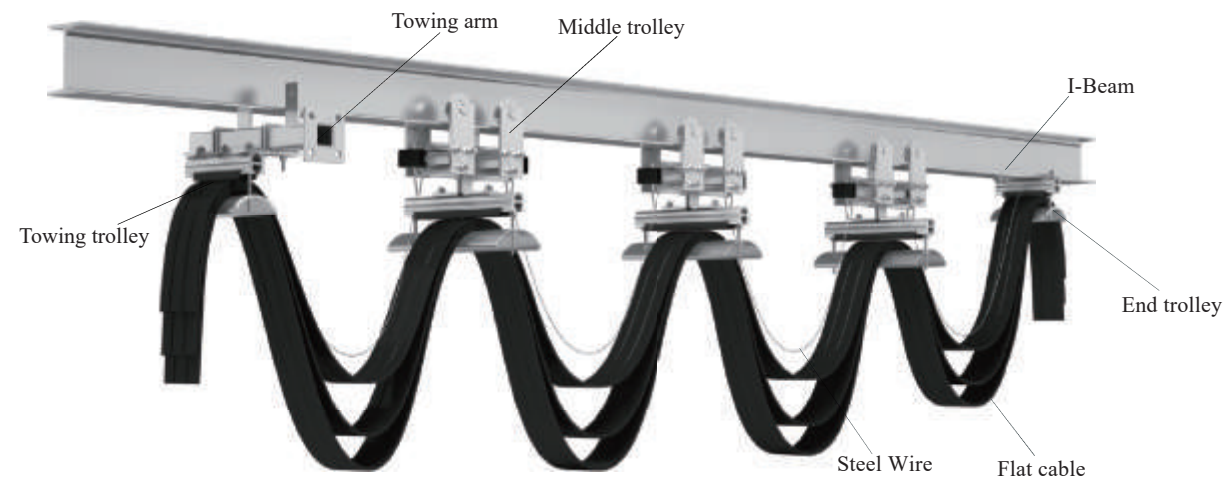


Be used for Standard Bracket



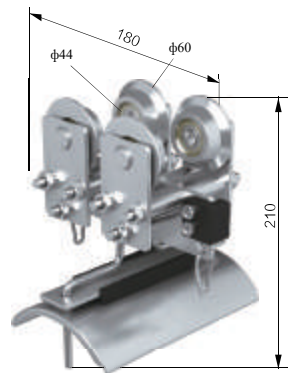
Be used for Heavy duty Bracket

Type	Weight (kg)	Material
C32TC-1	0.202	Galvanized Steel
C40TC-1	0.281	Steel



I-Beam Trolley
N35MT series / N35MTL series / N35MTA series

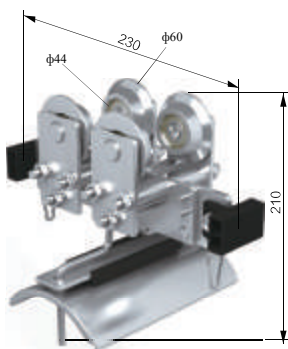
N35MT series - Middle trolley



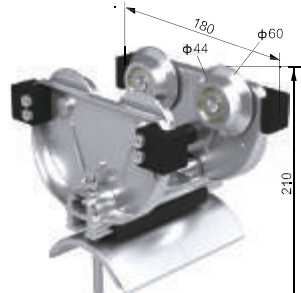
Technical Feature

Wheels: Ball bearing
Max Travel Speed: 300m/min
Material: Galvanized Steel + ABS
Temperature: -30°C ~ + 120°C

N35MTL series - Middle trolley



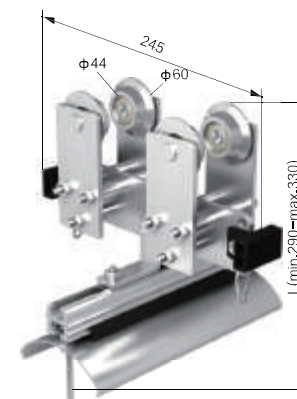
N35MTA series - Middle trolley



Type	Max.cable load	Dia. of Cable(mm)	Weight (kg)
N35MT-70	max.50kg/trolley	max.75 W × 32δ	1.90
N35MT-120	max.60kg/trolley	max.120 W × 60δ	2.40
N35MT-150	max.70kg/trolley	max.150 W × 70δ	2.50
N35MTL-120	max.50kg/trolley	max.120 W × 60δ	2.10
N35MTL-150	max.60kg/trolley	max.150 W × 70δ	2.60
N35MTL-250	max.120kg/trolley	max.250 W × 100δ	3.65
N35MTA-120	max.35kg/trolley	max.120 W × 50δ	2.20
N35MTA-150	max.40kg/trolley	max.150 W × 60δ	2.40

I-Beam Trolley
N55MT series / N35TT-N55TT series / N35ET-N55ET series

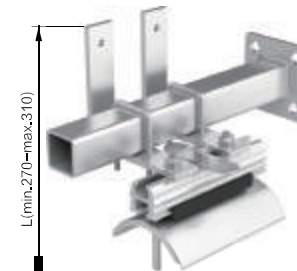
N55MT series - Middle trolley



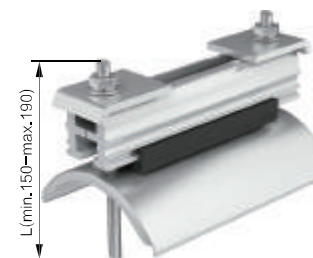
Technical Feature

Wheels: Ball bearing
Max Travel Speed: 300m/min
Material: Galvanized Steel + ABS
Temperature: -30°C ~ + 120°C

N35TT / N55TT series - Towing trolley

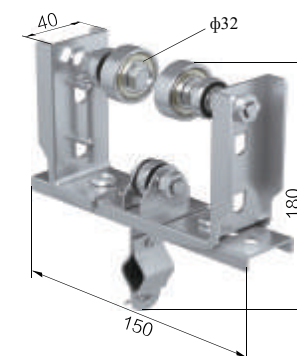


N35ET / N55ET series - End trolley



Type	Max.cable load	Dia. of Cable(mm)	Weight (kg)
N55MT-250	max.150kg/trolley	max.120 W × 50δ	4.35
N55MT-300	max.200kg/trolley	max.150 W × 50δ	4.75
N55MT-350	max.250kg/trolley	max.250 W × 70δ	5.15
N35TT-120	max.60kg/trolley	max.120 W × 50δ	2.1
N35TT-150	max.70kg/trolley	max.150 W × 50δ	2.30
N55TT-250	max.150kg/trolley	max.250 W × 70δ	2.60
N55TT-350	max.250kg/trolley	max.300 W × 70δ	3.00
N35ET-120	max.60kg/trolley	max.120 W × 50δ	1.25
N35ET-150	max.70kg/trolley	max.150 W × 50δ	1.45
N55ET-250	max.150kg/trolley	max.250 W × 70δ	1.95
N55ET-350	max.250kg/trolley	max.300 W × 70δ	2.35

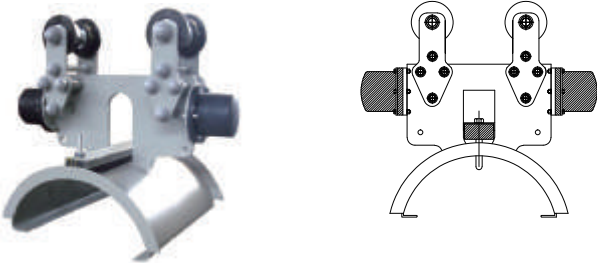
I-Beam Trolley - for Round Cable
N15RMT



Type	Max.cable load	Dia. of Cable(mm)	Weight (kg)
N15RMT	max.5kg/trolley	D= φ 15mm	0.64

I-Beam Trolley
N75MT-1 series / N75MT-2series / N75MT-1 series

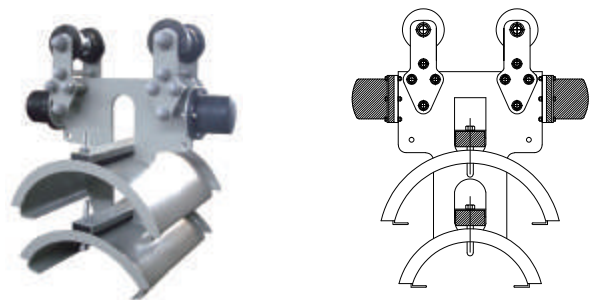
N75-1 - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: -30°C ~ +100°C
Max. Cable weight: 200kg

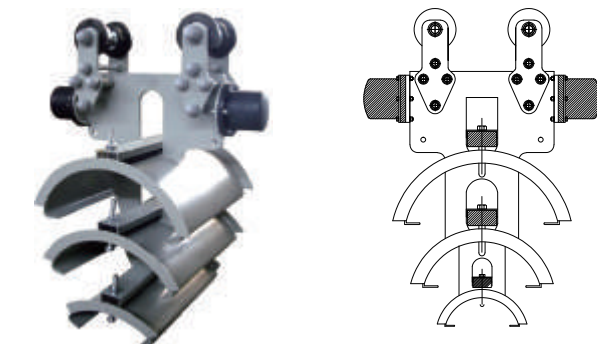
N75-2 - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: -30°C ~ +100°C
Max. Cable weight: 200kg

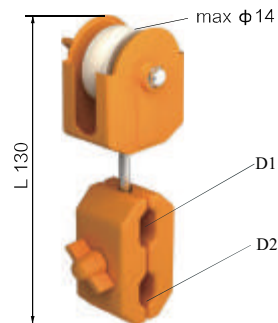
N75-3 - Middle trolley



Technical Feature

Wheels: Ball bearing
Max Travel Speed: 160m/min
Material: Galvanized Steel + ABS
Temperature: -30°C ~ +100°C
Max. Cable weight: 200kg

Wire Steel Festoon Accessories - for Round Cable
ST-12/14 & ST-14/16



Technical Feature

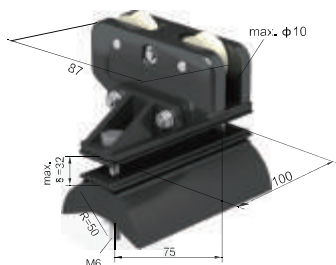
Wheels: Plastic
Max Travel Speed: 100m/min
Material: Plastic
Temperature: -30°C ~ +80°C

Type	Max.cable load	Dia. of Cable(mm)	Weight (kg)
ST-12/14	max.6kg/trolley	max.D1/D2= φ12mm/12mm	0.08
ST-14/16	max.7kg/trolley	max.D1/D2= φ12mm/12mm	0.09



Wire Steel Festoon Accessories - for Flat Cable
WFMT-70 / WFET-70

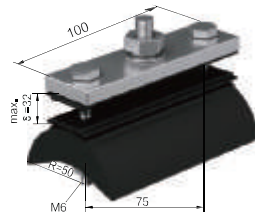
Wire steel festoon system - Middle trolley



Technical Feature

Wheels: Plastic
Max Travel Speed: 120m/min
Material: ABS
Temperature: -30°C ~ +80°C

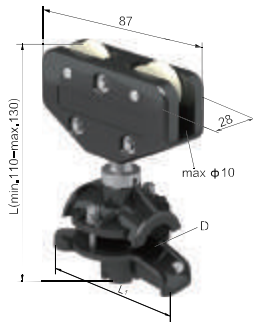
Wire steel festoon system - End trolley



Type	Max.cable load	Dia. of Cable(mm)	Weight (kg)
WFMT-70	max.12kg/trolley	max.75 W × 50 δ	0.20
WFET-70	max.12kg/trolley	max.75 W × 50 δ	0.24

Wire Steel Festoon Accessories - for Round Cable
WRMT-30 / WRMT-40/ WRET-30 / WRET-40

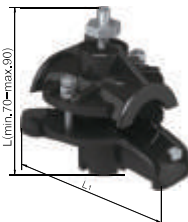
Wire steel festoon system - Middle trolley



Technical Feature

Wheels: Plastic
Max Travel Speed: 120m/min
Material: ABS
Temperature: -30°C ~ +80°C

Wire steel festoon system - End trolley



Type	Max.cable load	Dia. of Cable(mm)	Weight(kg)
WRMT-30	max.8kg/trolley	D= φ30mm	0.17
WRMT-40	max.10kg/trolley	D= φ40mm	0.18
WRET-30	max.8kg/trolley	D= φ30mm	0.06
WRET-40	max.10kg/trolley	D= φ40mm	0.07



Catalogue

TKA Series

TKA38 - 75 - R150 - 025

Model _____

Length of the chain

Inside width of the chain

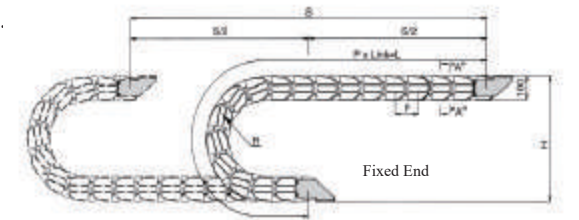
Curve Radius



Feature:

1. The material is reinforced nylon which is more strong and long service life.
2. The chain is special design for twisting-resistant and stretching- resistant.
3. Special wheeled chain design for suspension, long horizontal movement.
 - a) The travel length can reach up to 400-600m
 - b) The noise can reduce 30%, the bearing capacity can increase 20%, and service life can be two times more than common energy chain.
4. The energy chain tray is special for crane festoon system.
 - a) Galvanized steel material is Anti-corrosion.
 - b) Two layer special design which can put the no-mobile cable in the bottom layer.
 - c) High and low position design can let the power feed be in the middle.

Calculation of the length



L = Length of the energy chain

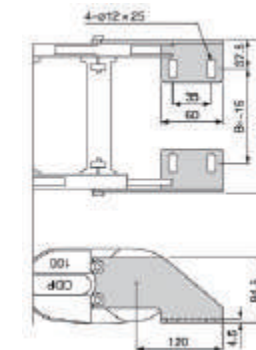
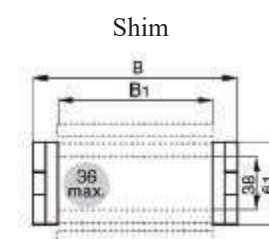
r. $S = \text{Travelling length}$

b = Length of curve

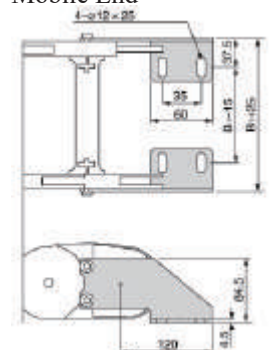
$$L = S/2 + b$$

TKA38

Fixed End



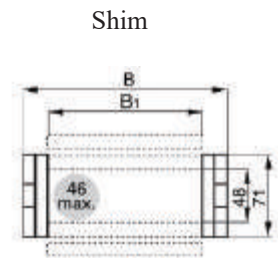
Mobile End



Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA38	60	38	91	61	
	75		106		75
	80		111		100
	90		121		125
	100		131		150
	120		151		175
	125		156		200
	150		181		250
	175		206		
	200		231		

Energy Chain
TKA Series

TKA48



Fixed End

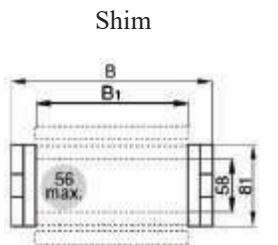


Mobile End



Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA48	60	48	91	71	
	75		106		75
	80		111		100
	90		121		125
	100		131		150
	120		151		175
	125		156		200
	150		181		250
	175		206		
	200		231		

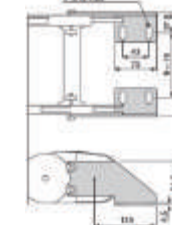
TKA58



Fixed End



Mobile End



Model No.	Inside Width (mm) B1	Inside Height (mm)	Outside Width (mm) B	Outside Height (mm)	Curve radius (mm)
TKA58	75	57.2	111	89	
	100		136		150
	125		161		175
	140		176		200
	150		186		250
	175		211		300
	200		236		350
	225		261		
	250		286		
	275		311		
	300		336		
	350		386		
	400		436		

Shim



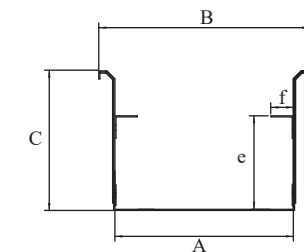
Wheel Chain



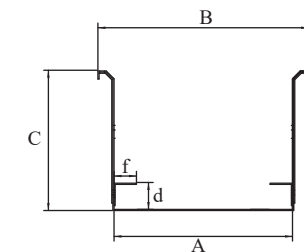
Disassembly Diagram



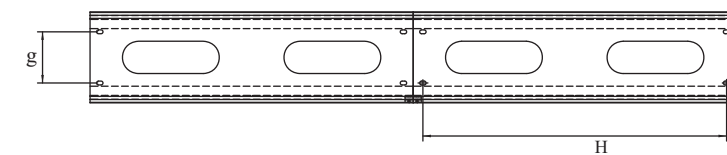
Chain Tray



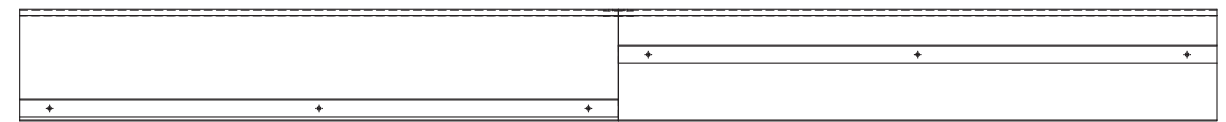
High Position Chain Tray



Low Position Chain Tray



- The energy chain tray is special for crane festoon system.
- a) Galvanized steel material is Anti-corrosion.
 - b) Two layer special design which can put the no-mobile cable in the bottom layer.
 - c) High and low position design can let the power feed be in the middle.



Energy Chain Model		Chain Tray Dimensions							
Model No.	Inside Width (mm)	A	B	C	d	e	f	g	H
TKA38	75	110	157	127	30	85	25	50	1200
	100	135	182	127	30	85	25	70	1200
	125	160	207	127	30	85	25	90	1200
TKA48	125	158	205	151	30	100	25	90	1200
	150	183	230	151	30	100	25	100	1200
	200	233	280	151	30	100	25	120	1200
TKA58	125	165	221	180	35	124	30	90	1200
	150	190	246	180	35	124	30	110	1200
	200	240	296	180	35	124	30	150	1200
	250	290	346	180	35	124	30	200	1200

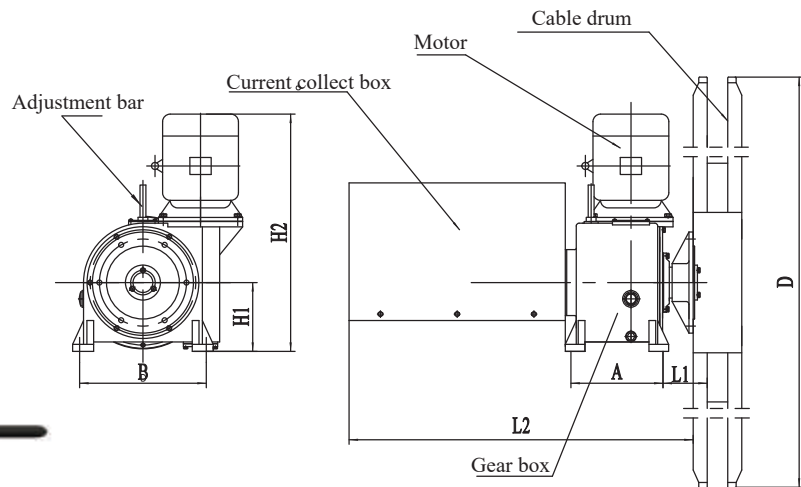
Motorized Cable Reeling System
MCR Series



MCR Motorized Cable reel system are the perfect solution for managing long lengths of heavy cable in very demanding industrial applications. We can offer Optimal corrosion protection: Flanges and reel drum are manufactured from hot dip galvanized steel in tough environments.

Applications:

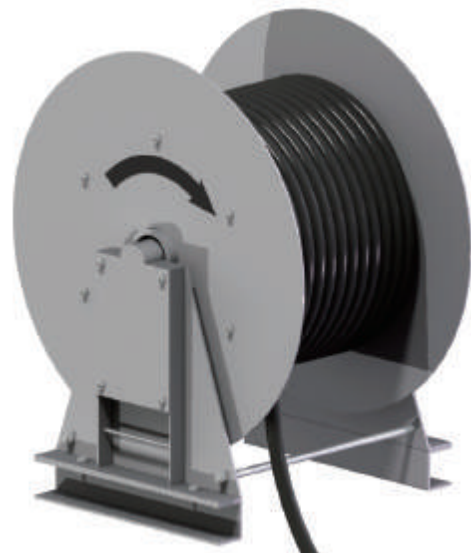
1. Ship-to-shore (STS) cranes
2. Rail mounted gantry (RMG) cranes
3. Shipbuilding cranes
4. Gantry cranes, Overhead cranes
5. Grabs or magnets, Transfer cars



ITEM	SIZE	A (mm)	B (mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	n-Φ (mm)
MCR-10		198	214	145	508	66	515	4-Φ12
MCR-20		221	280	175	588	55	580	4-Φ14
MCR-60		290	406	240	746	61	647	4-Φ18
MCR-90		318	451	245	845	112	790	4-Φ18
MCR-110		380	514	285	911	128	930	4-Φ22
MCR-150		424	568	300	1050	128	9801	4-Φ22

ITEM	MCR10	MCR20	MCR60	MCR90	MCR110	MCR150
Winding torque (Nm)	100	250	580	750	1000	1250
Cable Size	4×6 4×10 4×16	4×16 4×25 4×35	4×35 4×50 4×70	4×50 4×70 4×95	4×70 4×95 4×120	4×120 4×150 4×185
Cable Length	80 60 50	90 70 60	125 100 80	150 120 100	180 150 130	160 150 130
Winding speed (m/min)	automatic tracking with speed ≤50m/min					
Power of motor (kw)	0.75 1.1	1.1 1.5	2.2 3	3 4	4 5.5	7.5 7.5
Reduction ratio	56	63	71	65	63	71
Max.Cable Weight (kg)	80	240	560	720	960	1200
Motor Brand	ABB / SEW / SIEMENS					
Electric accessories brand	Schneider					
Electric cable	RVV-PUR or YFFB-PUR cable reel special cable					

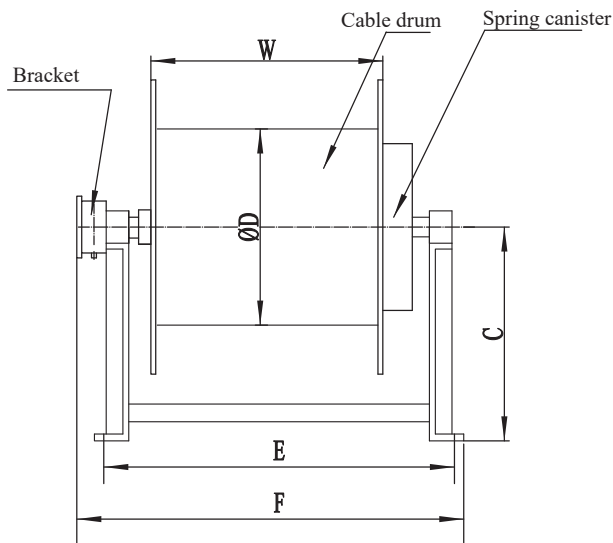
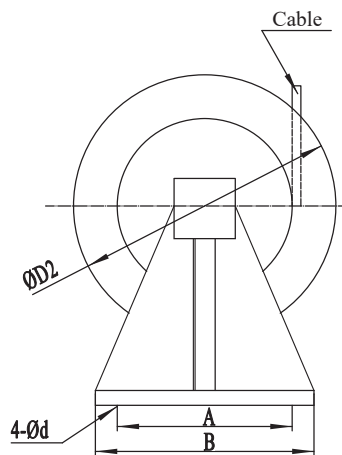
Spring Cable Reeling System
SCR Series



SCR series spring cable reel system is the best-built compact industrial cable reel for mobile equipment cables. Rugged, steel frame construction and Precision-built main spring housed in a safety-sealed canister.

Applications:

1. Conveyor control cables,
2. Gantry cranes, Overhead Crane, Hoists, etc.
3. Automated material handling



Series		A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)	d (mm)	E (mm)	F (mm)	W (mm)	Weight (kg)
SCR-10	1	250	300	300	360	500	14	450	600	320	73
	2							485	650	350	78
SCR-15 SCR-20	1	300	360	400	500	700	15	440	600	250	95
	2							490	650	300	100
	3							560	720	250	115
	4							610	770	300	120
	5							720	880	300	150
SCR-25 SCR-30	1	400	460	450	600	800	18	525	675	300	120
	2							641	795		150
	3							751	905		180
	4							892	1045		212
	5	500	580	550	800	1000	18	641	795	300	185
	6							751	905		212
	7							892	1045		240
	8							1005	1160		268



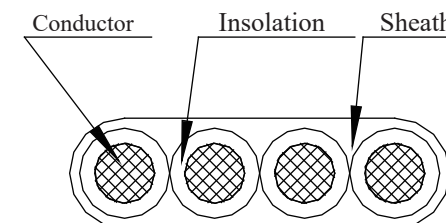
Crane Cable

Power Supply and Control Supply

Catalogue

YFFB - RVV series

Flat Cable YFFB Series



Applications:

YFFB Series Cable is special designed for frequent motion and flexing. This cable can be used for festoon systems, power tracks, cable tenders, cranes and hoists.

Feature:

Sheath: Special polychloreprene (Butadiene-Acrylonitrile Rubber) which is flame resistance and self-extinguishing.

Conductor: Superfine Soft Bare Copper which purity can reach 99.999%.

Insulation: Special polychloreprene (Butadiene-Acrylonitrile Rubber)

Technical data:

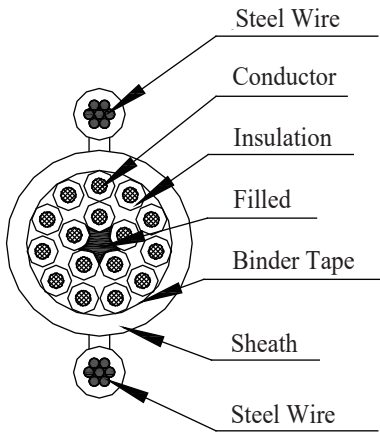
Rated voltage: ≤1.5mm² 300/500V >1.5mm²: 450V/750V

Test voltage: ≤1.5mm² 2500V >1.5mm²: 3000V

Temperature range: -20°C to +80°C

Model	Qty of Cores	Section of Cores mm ²	Width of Cable mm	Thickness of Cable mm	Weight kg/km
YFFB	4	1.5	16.3	5.8	198.4
YFFB	4	2.5	18.7	6.6	268.4
YFFB	4	4	21.9	7.3	367.7
YFFB	4	6	26.9	8.0	507.6
YFFB	4	10	34.5	9.7	784.1
YFFB	4	16	38.5	10.7	1074
YFFB	4	25	47	12.8	1575
YFFB	4	35	56.6	15.2	2245
YFFB	6	1.5	23.3	5.8	282.8
YFFB	6	2.5	26.9	6.6	386.5
YFFB	6	4	31.7	7.3	534.2
YFFB	6	6	38.7	8.0	737
YFFB	6	10	50.1	9.7	1148
YFFB	6	16	56.1	10.7	1580
YFFB	6	25	68.6	12.8	2322
YFFB	6	35	82.6	15.2	3311
YFFB	8	1.5	29.3	5.8	358.8
YFFB	8	2.5	36	6.6	513.3
YFFB	8	4	40.5	7.3	690
YFFB	8	6	48.9	8.0	947.7
YFFB	8	10	63.9	9.7	1486
YFFB	8	16	71.9	10.7	2057
YFFB	8	25	88.2	12.8	3031
YFFB	10	1.5	35.3	5.8	434.7
YFFB	10	2.5	41.3	6.6	603.3
YFFB	10	4	49.3	7.3	845.9
YFFB	10	6	59.1	8.0	1158
YFFB	10	10	77.7	9.7	1824
YFFB	10	16	87.7	10.7	2535
YFFB	12	1.5	41.3	5.8	51.7
YFFB	12	2.5	48.5	6.6	711.8
YFFB	16	1.0	47.1	4.8	475.5
YFFB	16	1.5	54.3	5.8	671
YFFB	16	2.5	63.9	6.6	938.3
YFFB	20	1.0	58.3	4.8	587.9
YFFB	20	1.5	67.3	5.8	831.4
YFFB	20	2.5	79.3	6.6	1165

Pendant Control Cable
RVV Series



Applications:

RVV1/RVV2 Series Pendant Cable with one or two steel wire is special designed for pendent control which is tensile resistance and long service life.

Feature:

Sheath: Special Polychloreprene (Butadiene-Acrylonitrile Rubber) which is flame resistance and self-extinguishing

Conductor: Superfine Soft Bare Copper which purity can reach 99.999%.

Insulation: Special Polychloreprene (Butadiene-Acrylonitrile Rubber) which is Oil and flame resistance and self-extinguishing

Technical data:

Rated voltage: $\leq 1.5\text{mm}^2$ 300/500V $> 1.5\text{mm}^2$: 450V/750V

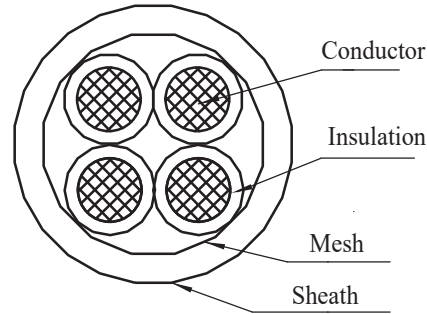
Test voltage: $\leq 1.5\text{mm}^2$ 2500V $> 1.5\text{mm}^2$: 3000V

Temperature range: -20°C to $+80^\circ\text{C}$

Note: RVV1 is cable with one steel wire and RVV2 is cable with 2 steel wires.

Model	Qty of Cores * Section of Cores mm^2	Rated Voltage	Outer Dimensionr (mm)	Weight (kg/km)
RVV1/RVV2	4×1.5	300/500V	14.0 / 18.4	193 / 203
RVV1/RVV2	4×2.5	300/500V	16.6 / 20.9	279 / 326
RVV1 / RVV2	5×1.5	300/500V	15.0 / 19.3	227 / 265
RVV1 / RVV2	5×2.5	300/500V	17.9 / 22.2	331 / 379
RVV1 / RVV2	6×1.5	300/500V	16.1 / 20.4	264 / 303
RVV1 / RVV2	6×2.5	300/500V	21.4 / 27.9	395 / 454
RVV1 / RVV2	8×1.5	300/500V	19.3 / 25.8	346 / 411
RVV1 / RVV2	8×2.5	300/500V	22.8 / 29.3	501 / 578
RVV1 / RVV2	10×0.75	300/500V	17.5 / 22.9	265 / 308
RVV1 / RVV2	10×1.5	300/500V	21.8 / 28.3	444 / 520
RVV1 / RVV2	10×2.5	300/500V	25.9 / 32.4	641 / 736
RVV1 / RVV2	12×0.75	300/500V	17.9 / 23.3	291 / 333
RVV1 / RVV2	12×1.5	300/500V	22.3 / 28.8	491 / 564
RVV1 / RVV2	12×2.5	300/500V	26.6 / 33.1	836 / 810
RVV1 / RVV2	14×0.75	300/500V	18.6 / 24.0	324 / 366
RVV1 / RVV2	14×1.5	300/500V	23.2 / 29.7	549 / 621
RVV1 / RVV2	14×2.5	300/500V	27.8 / 34.3	836 / 925
RVV1 / RVV2	16×0.75	300/500V	19.3 / 24.8	360 / 402
RVV1 / RVV2	16×1.5	300/500V	24.2 / 30.7	611 / 684
RVV1 / RVV2	16×2.5	300/500V	29.1 / 35.6	934 / 1025
RVV1 / RVV2	18×0.75	300/500V	21.2 / 27.7	418 / 481
RVV1 / RVV2	18×1.5	300/500V	25.2 / 31.7	676 / 749
RVV1 / RVV2	18×2.5	300/500V	30.5 / 37.0	1038 / 1130
RVV1 / RVV2	20×0.75	300/500V	21.6 / 28.1	446 / 508
RVV1 / RVV2	20×1.5	300/500V	25.8 / 32.3	725 / 796
RVV1 / RVV2	20×2.5	300/500V	31.2 / 37.7	1115 / 1203

Round Power Cable
RVV Series



Applications:

NANTE RVV Series is special designed for crane power supply, which is flame resistance and self-extinguishing

Feature:

Sheath: Enhanced Polyvinyl Chloride which is flame resistance and self-extinguishing

Conductor: Superfine Soft Bare Copper which purity can reach 99.999%.

Insulation: Enhanced Polyvinyl Chloride which is Oil and flame resistance and self-extinguishing

Technical data:

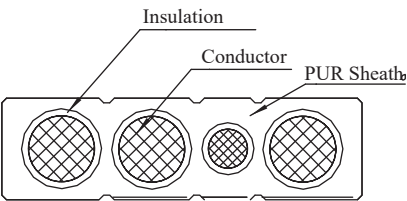
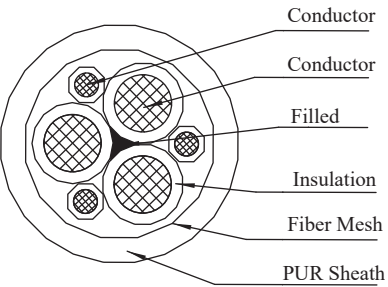
Rated voltage: $\leq 1.5\text{mm}^2$ 300/500V $> 1.5\text{mm}^2$: 450V/750V

Test voltage: $\leq 1.5\text{mm}^2$ 2500V $> 1.5\text{mm}^2$: 3000V

Temperature range: -20°C to $+80^\circ\text{C}$

Model	Qty of Cores * Section of Cores mm^2	Rated Voltage	Outer Dimensionr (mm)	Weight (kg/km)
RVV	2×1.5	300/500V	7.8	76
RVV	2×2.5	300/500V	9.6	115
RVV	3×1.5	300/500V	8.5	105
RVV	3×2.5	300/500V	10.1	157
RVV	4×2.5	300/500V	10.9	197
RVV	4×4	300/500V	12.8	284
RVV	4×6	300/500V	15.2	375
RVV	4×10	300/500V	19	661
RVV	4×16	300/500V	21.6	929
RVV	4×25	300/500V	27.2	1443
RVV	4×35	300/500V	31.5	1837
RVV	4×50	600/1000V	36.6	2557
RVV	4×70	600/1000V	40.8	3403
RVV	4×75	600/1000V	41.3	3584
RVV	4×95	600/1000V	46.6	4540
RVV	7×1.5	300/500V	11.4	218
RVV	7×2.5	300/500V	13.4	319
RVV	7×4	300/500V	15.6	447

RVV-PUR Cable for Cable Reeling System
RVV-PUR Series



Application:

RVV-PUR series reeling cable is special designed for frequent motion and flexing application , especially suitable for port machine, which is high travel speed, like container cranes, and other mobile equipment used for open-cast, underground mine, etc.

Sheath: Polyurethane which is UV resistant, Chemicals, water resistant, and suitable for continuously flexing applications.

Conductor: Extra fine wire conductors

Insulation: Special enhanced polychloreprene (Butadiene-Acrylonitrile Rubber)

Technical Data:

Rated Voltage: 600V/1000V

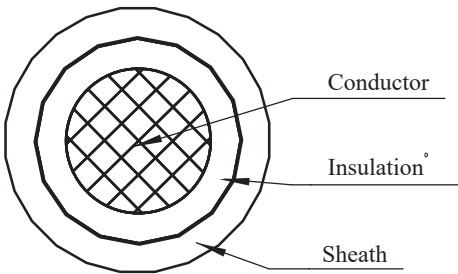
Temperature range: -35°C to + 80°C

Minimum bending radius: 6 x D(outer diameter Ø)

Model	Qty of Cores × Section of Cores mm ²	Rated Voltage	Outer Diameter(mm)	Weight(kg/km)
RVV-PUR	3×25+3×25/3	450/750V	28	1500
RVV-PUR	3×35+3×25/3	450/750V	36	2300
RVV-PUR	3×50+3×25/3	600/1000V	36	2600
RVV-PUR	3×70+3×35/3	600/1000V	40	3400
RVV-PUR	3×95+3×50/3	600/1000V	47	4500
RVV-PUR	3×120+3×70/3	600/1000V	51	5900
RVV-PUR	3×150+3×70/3	600/1000V	55	7000
RVV-PUR	3×185+3×95/3	600/1000V	60	8500
RVV-PUR	3×240+3×120/3	600/1000V	68	11100

Model	Qty of Cores × Section of Cores mm ²	Rated Voltage	Outer Dimensionr(mm)	Weight(kg/km)
YFFB-PUR	4×4	450/750V	21×6.6	300
YFFB-PUR	4×6	450/750V	26×7.5	420
YFFB-PUR	4×10	450/750V	36.3*9.7	730
YFFB-PUR	4×16	450/750V	40.5×10.8	1000
YFFB-PUR	4×25	450/750V	48.5×13.4	1530
YFFB-PUR	3×35+1×16	450/750V	56.8×15.2	1918
YFFB-PUR	3×50+1×25	600/1000V	67.6×17.6	2698
YFFB-PUR	3×70+1×35	600/1000V	71.2×19.2	3421
YFFB-PUR	3×95+1×50	600/1000V	83.9×21.6	4547
YFFB-PUR	3×120+1×70	600/1000V	100×25.6	6169
YFFB-PUR	3×150+1×70	600/1000V	101×28	7200
YFFB-PUR	3×185+1×95	600/1000V	112.5×31.5	8871
YFFB-PUR	3×240+1×120	600/1000V	125.6×35.5	11420

RVV-TLC Cable for Energy Chain
RVV-TLC Series



Applications:

RVV-TLC Series Energy Chain Cable is special designed for Crane Energy Chain System. This Cable is used to supply the power and control signal to hoist with long time free movements without tensile force.

Feature:

Sheath: Special Enhanced thermoplastic polymer which is UV-radiation resistant, Oil resistant, Weather resistant, Abrasion resistant.

Conductor: Superfine Soft Bare Copper which purity can reach 99.999%.

Insulation: Special Enhanced thermoplastic polymer.

Technical data:

Rated voltage: 300/500V, 600/1000V

Temperature range:

Flexible installation: -20°C to +70°C

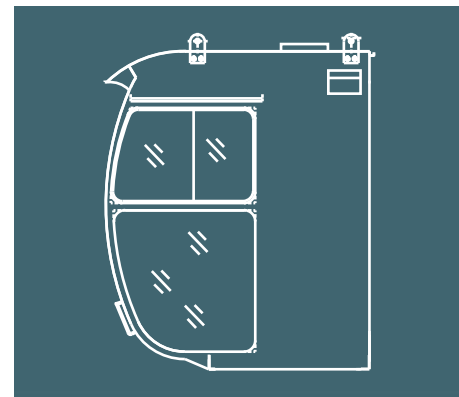
Fixed installation: -30°C to +80°C

Minimum bending radius:

Flexible installation: 8 x D (outer diameter Ø)

Fixed installation: 6 x D (outer diameter Ø)

Model	Qty of Cores × Section of Cores (mm ²)	Rated Voltage (V)	Outer Diameter (mm)	Weight (kg / km)
RVV-TLC	3×1.5	300/500V	9.0	140
RVV-TLC	4×1.5	300/500V	10.2	180
RVV-TLC	6×1.5	300/500V	12.2	260
RVV-TLC	12×1.5	300/500V	19.0	550
RVV-TLC	3×2.5	300/500V	12.8	290
RVV-TLC	4×2.5	300/500V	14.2	360
RVV-TLC	6×2.5	300/500V	15.6	430
RVV-TLC	12×2.5	300/500V	24.5	890
RVV-TLC	1×10	300/500V	9.2	190
RVV-TLC	1×16	300/500V	10.2	260
RVV-TLC	1×25	300/500V	12.6	390
RVV-TLC	1×35	300/500V	13.9	470
RVV-TLC	1×50	600/1000V	16.1	670
RVV-TLC	1×70	600/1000V	18.3	890
RVV-TLC	1×95	600/1000V	20.8	1180
RVV-TLC	1×150	600/1000V	24.7	1810
RVV-TLC	1×185	600/1000V	29.0	2200
RVV-TLC	1×240	600/1000V	34.4	2980



Crane Control System

Crane Cabin, Control Panel, Remote Control

Catalogue

NTC, NCP, F Series, NXAC

Crane Cabin
NTC-1.4

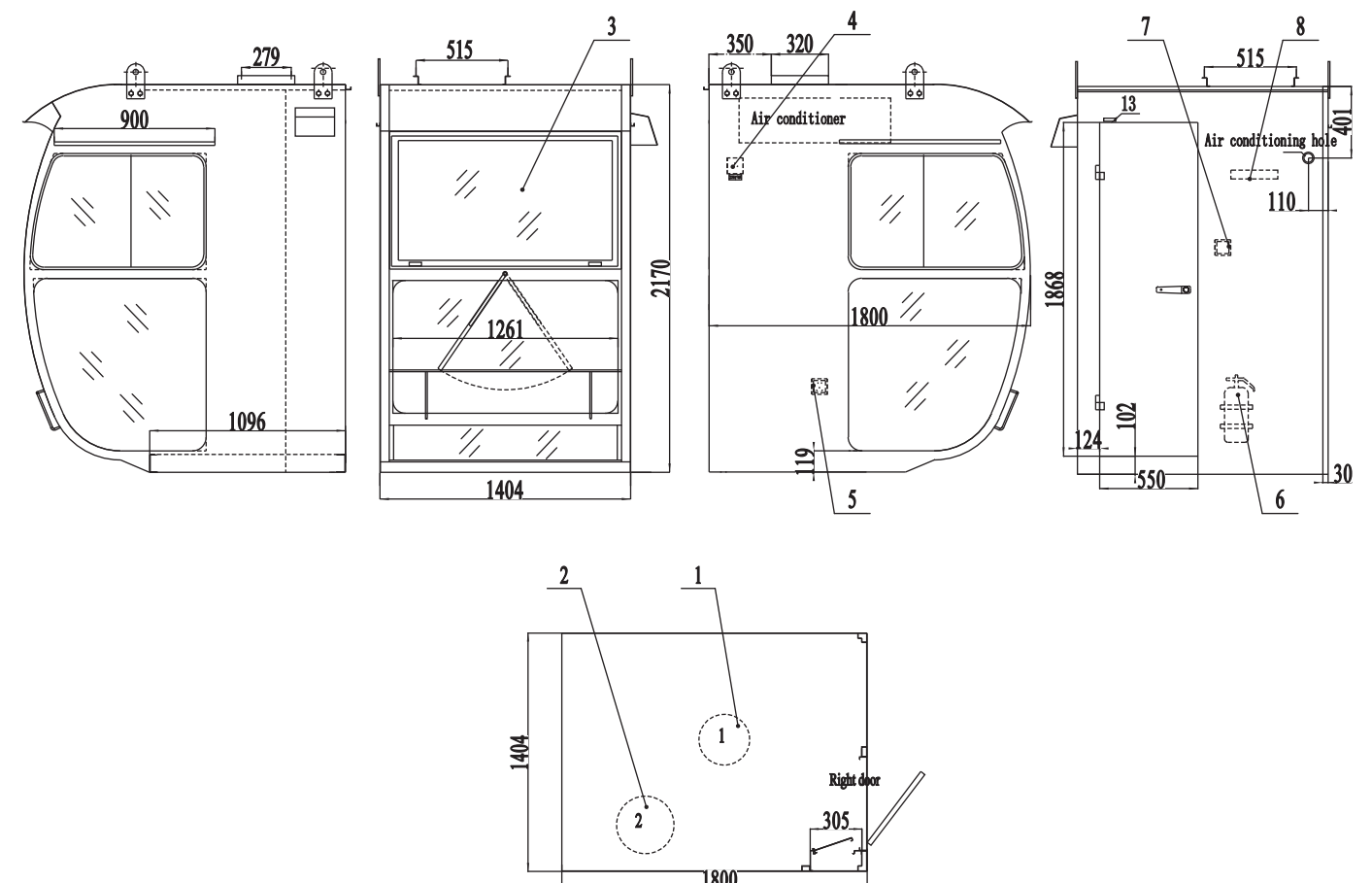


NTC-1.4 Model Crane Cabin

Feature,

- 1) Adopting cold-rolled steel plate of high quality and advanced manufacturing technology, more smooth, beautiful designed, high strength and anti-corrosive.
- 2) The window: 5mm tempered glass, angle of view $\geq 230^\circ$, transparency $\geq 80\%$ equipped with bottom window.
- 3) Non-slip insulating rubber carpet.
- 4) Fire-proofing interior decoration, sound and heat insulation material.

Standard configuration: Head lamp, switch
Optional configuration: Electric fan, electric sprayer, extinguisher and etc.

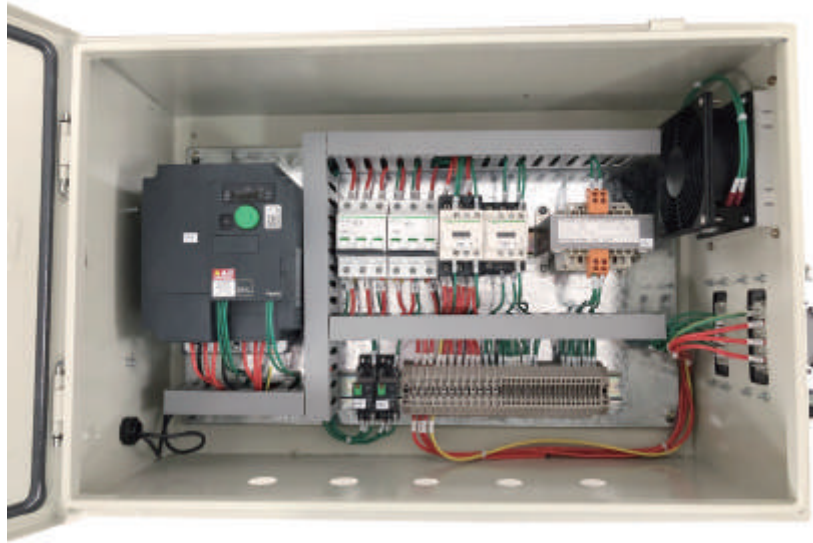


Electric Parts - Control Panel
NCP Series

NCP-SD5T - 1.1KW-400V50HZ-48V

Model ———— Invert brand
SD: Schneider
DT: Delta
YK: Yaskawa

Control Voltage ———— Power Supply ———— Inverter Capacity



End Carriage Control Panel			
IP Class	IP55	Contact Brand	Schneider
Working Temperature	-30℃ to +70℃	Relay Brand	Schneider
Material of Control Box	Cold Steel or Stainless Steel	MCB Brand	Schneider
Color of Box	Gray or Black	Main Power	220V,380V,415V,440V,460V
Inverter Capacity	0.75kw to 30kw	Hertz	50Hz or 60Hz
Inverter Brand	YASKAWA, SCHNEIDER, DELTA	Control Power	24V,36V,48V,110V,220V



Schneider ATV340



Schneider ATV320



Yaskawa A1000/V1000



Delta VFD

Electric Parts - Socket
HE / HSB / HK Series



Flat Cable Gland

HE - 10 - T - S - PG21

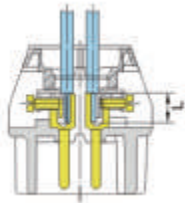
Model ———— Cable Gland

10: 10pin
16: 16pin
24: 24pin
4/2: 4pin+2pin

Housing
S: Short
H: High

Hood Cable Entry
T: Top
S: Side
TB/SB: with Cap

Feature			
Rated Voltage	400V	500V	690V
Rated Current	16A	35A	80A
Pin Number			
6Pin		HSB-06	HK4/2
10Pin	HE-10		
16Pin	HE-16		
24Pin	HE-24		
Max.Wire Gauge	4.0mm ² /12AWG	6mm ² /10AWG	16mm ² /5AWG
Stripping Length	7.5mm	11.5mm	14.0mm
Flame Rating	V0 (Acc.to UL94)		
Protection Class	IP65		
Cable Gland	M20, M25, PG16, PG21, FT6105(Flat cable gland)		

Instucture				
1- Hood Cable Entry				
Side	Top	SB	TB	
				
2- Housing			Screw Terminal	
Short	Hight	Cap		
				
3- Male & Female Pin				
HE-10-M	HE-16-M	HE-24-M	HSB-6-M	HK-4/2+M
				
HE-10-F	HE-16-F	HE-24-F	HSB-6-F	HK-4/2+F
				

Industrial remote control
F24 series

F24-6S/ F24-6D



F24-8S/ F24-8D



F24-10S/ F24-10D



F24-12S/ F24-12D



- Durable nylon-fiber housing for extra shock resistance..
- Low power consumption with 2 AA batteries (last up to 2 months in normal operation)
 - Operating range up to 100 meters
 - Programmable function setting through Windows-based software.
 - Economic efficiency, ease of operation.
 - Pre-wiring standard cable making wiring procedures easier.
 - 100% compatible components reducing stock of spare part.

Safety features:

- ☆ 4.3 billion unique ID code
- ☆ Hamming code
- ☆ enhanced watch-dog circuit

General Specification

Operating Temp.	-35°C ~ +80°C
Maximum Range	100 M
TX power supply	2 AA size Alkaline batteries
RX power supply	AC 24/48/110/220/380 V
	DC 24 V
Protection class	IP 65 Industrial standard
ID Code	4.3 billion (32 bit)
Hamming code distance	≥ 4
TX Dimension & Weight	186 x 61 x 51 mm Apprx. 255g (w/o batteries)
RX Dimension & Weight	200x162x107mm Apprx.1220g (w/o cable)
Operating frequency	433.05~434.79
Transmitting power	Less than 10mW

Industrial remote control - TELECRANE of Taiwan
F21 series

F21-2S/ F21-2D



F21-4S/ F21-4D



F21-E1



F21-E1B



Features

- 2~6 commands (Pocket size transmitter : F21-2S/D)
- Low cost for electronic chain hoist/monorail
- Low power consumption transmitter. 2 AA batteries last up to 4 months
- Extra shock resistant relay specially for mobile devices (DC model only)
- Over 4.3 billions unique ID code available.
- Temperature range -35°C ~ +85°C
- Enclosure protection class IP 65
- Microsoft Windows based software for easy customize configuration
- Structure : Glass-Fiber

Transmitter

- Dimension:
- 130 x 45 x 22 mm (F21-2S/D model)
 - 156 x 61 x 51 mm (F21-4S/D model)
 - 164 x 75 x 46 mm (F21-4SB model)
 - 156 x 61 x 51 mm (F21-E1model)
 - 164 x 75 x 46 mm (F21-E1B model)

Receiver

- Dimension: 185x85x85mm
- Weight: 550g (w/o wire cable)
- Receiver Power Supply: 24/48/110/220/380 VAC &12/24V DC

Weight :

- Approx. 120~380g (without batteries)

Remote control
F24-60 Double Joystick



Operating Temp.
Maximum Range
TX power supply
RX power supply
ID Code
Hamming code distance
TX Dimension & Weight
RX Dimension & Weight

-35°C ~ +80°C
100 M
4 AA size Alkaline batteries
24/48/110/220/380 V
IP 65 Industrial standard
4.3 billion (32 bit)
> 4
220x110x90 mm Apprx. 860g (w/o batteries)
290x230x70mm Apprx.2200g (w/o cable)

Remote control
F21 New Technical Series

F21-E2S



F21-E2B



F21-E2M



F21-E2B-8



F21-E2M-8



General Specification

Operating Temp.	-30°C ~ +85°C
Maximum Range	20M ~ 100 M
TX power supply	2 AA size Alkaline batteries
RX power supply	24 / 36 / 48/ 110/ 220/ 380VAC± 20% (single option)
ID Code	4.3 billion (32bit an unique non-repeated)

Features

- ☆ Auto Frequency Selection
 - Chooses top grade RF IC with sophisticated design, it provides great performance on radio channel selectivity
 - No channel changing required when multiple radio controller are used at the same time
- ☆ Radio Frequency Filtering
 - A sophisticated surface acoustic wave(SAW) filter blocks unwanted radio signal to ensure smooth radio link
- ☆ E-card (plug and play)
 - E-card works similar to SIM card in the mobiel phone
 - All system data are carried on a small e-card for easy transfer to a spare system when needed
 - E-card is interchangeable between transmitter and receiver. it allows spare transmitter or receiver to resume to work without any downtime.
- ☆ E-card Duplicator
- ☆ Reliable Communication
- ☆ Budget & Environmental Saving
- ☆ Security Enhanced & Anti-Spy
- ☆ Heavy Duty

Model	Transmitter		Receiver	
	Dimension (mm)	Weight (g)	Dimension (mm)	Weight (g)
F21-E2S	135 x 55 x 40	155g	200x 85 x 60	785g
F21-E2B	165 x 75 x 45	295g		
F21-E2M	165 x 50 x 50	200g		
F21-E2B-8	165 x 75 x 45	305g		805g
F21-E2M-8	165 x 50 x 50	210g		

* weight with batteries

Remote control Accessoires



USB Cable



Copier



EMS Button



Switch



TX Main Board



K Board



RX Board

Industrial remote control
F24+ series

F24-6S+/ F24-6D+



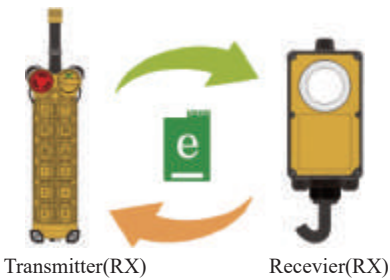
F24-8S+/ F24-8D+



F24-10S+/ F24-10D+



F24-12S/ F24-12D



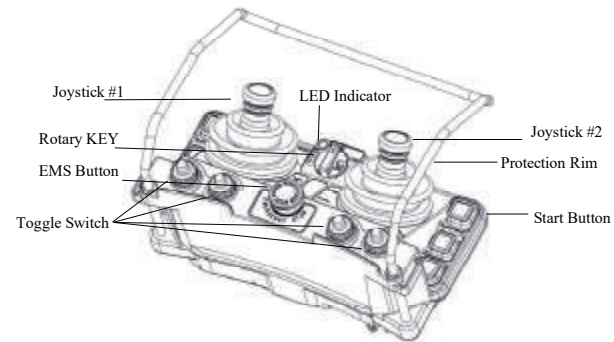
Security Enhanced & Anti-Spy
Budget & Environmentally Friendly
Powerful Customized Software

e-Card(plug and play)
Enhanced Durability
Take & Release
(Receiver with
multi-users)

General Specification

Operating Temp.	-30°C ~ +85°C
Maximum Range	Adjustable
TX power supply	4 AA size Alkaline batteries
RX power supply	AC 24/36/48/110/220/380 V
Protection class	IP 65 Industrial standard
ID Code	4.3 billion (32 bit)
Hamming code distance	≥ 20
TX Dimension & Weight	245 x 61 x 51 mm Apprx. 255g (w/o batteries)
RX Dimension & Weight	234x116x130mm Apprx.1240g (w/o cable)
Operating frequency	433.05~434.79

Industrial remote control - TELECRANE of Taiwan
F24-60+ Double Joystick

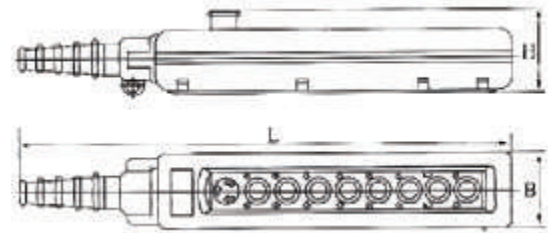


Operating Temp.	-35°C ~ +80°C
Maximum Range	150 M
TX power supply	4 AA size Alkaline batteries
RX power supply	24/48/110/220/380 V
Protection class	IP 65 Industrial standard
ID Code	4.3 billion (32 bit)
Hamming code distance	> 4
TX Dimension & Weight	220x110x90 mm Apprx. 860g (w/o batteries)
RX Dimension & Weight	290x230x70mm Apprx.2200g (w/o cable)

Pendant control - Double Step Button Control
NXAC Series

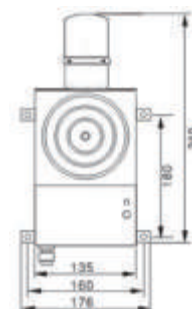
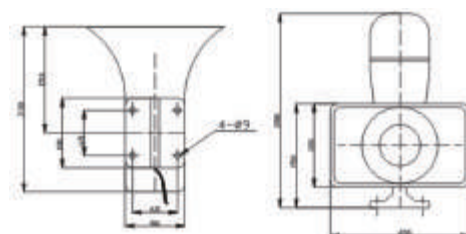
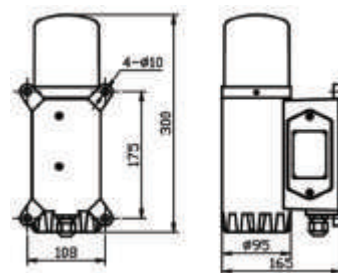


- NXAC series,
1. Two speed control buttons,
 2. IP65
 3. New ABS material,
 4. conductiv copper-based electrical contact
 5. silver-nickel alloy contact surface
 6. Applicable to dust, outdoor, rain and son operating environment.

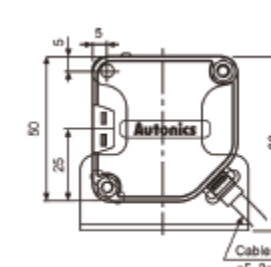


Type	Buttons	L x B x H
NXAC-03	3	310 x 78 x 85
NXAC-05	5	370 x 78 x 85
NXAC-07	7	430 x 78 x 85
NXAC-09	9	490 x 78 x 85
NXAC-11	11	550 x 78 x 85

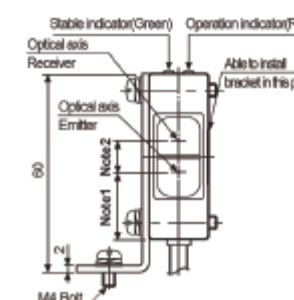
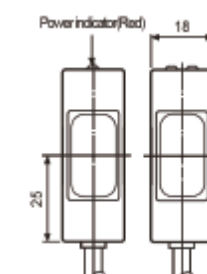
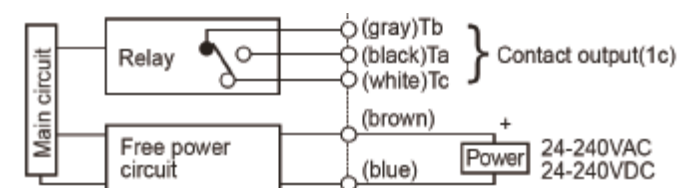
Code	Electric Diagram	Feature
A- Power control switch		self-lock, connect or separate whirling 30°, auto reset
B- Start--stop button		Two buttons inter-lock, auto reset, normal-off separates first and normal-on connects
C- Double speed button		Two buttons interlock, auto reset pressed to the first floor Normal-off separates and Normal-on connects. Pressed to end later Normal-on connects
P- On-off NO type button		Two buttons interlock, auto rest, it is the most popular buttons.



Sound and Revolving Light NTB1-100 Model					
Power supply	AC24V / AC36V / AC110V AC220V/ DC24V / Customized	Pitch	A/B/E/D/Y/L/F Voice (optional)	Volume	135dB
Hz	50Hz ~ 60Hz	Material	Casing : Cold-Rolled Sheet Lampshade: PC	Alarm Type	Sound and Lighting
Working Temperature	-30℃ ~ +70℃	Color	Red	IP Class	IP65
Operating Humidity	10% ~ 95%	Power	25W/50W	Weight	2.9KG



- Retroreflective



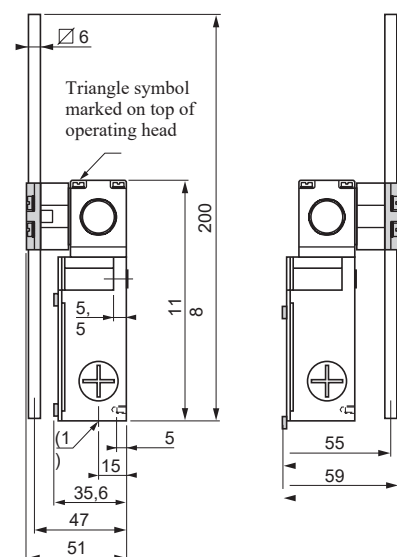
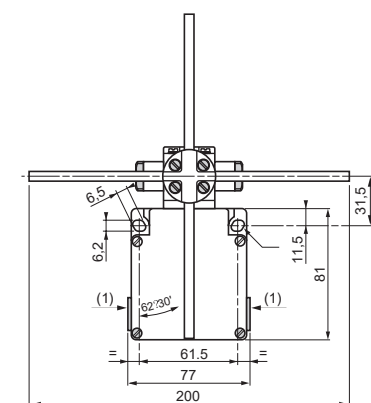
Type		Free power, Relay contact output	
		Through-beam	Retroreflective
Model		BEN10M-TFR	BEN5M-MFR
Sensing distance		10m	0.1 to 5m
Sensing target		Opaque materials of min.ø16mm	Opaque materials of min.ø60mm
Respinse time		Max.20ms	
Power supply		24-240VAC±10% 50/60Hz, 24-240VDC=±10%(ripple P-P:max.10%)	
Power consunmption		Max. 4VA	
Light source		Infrared LED (850nm)	
Sensitivity adjustment		-	Sensitivity adjuster
Operation mode		Selectable Light ON or Dark ON by switch	
Relay lifetime		Mechanically:Min.50,000,000 operation, Electrically: Min.100,000 operation	
Control output		Relay contact output	
		•Relay contact capacity: 30VDC=3A of resistive load, 250VAC~3A of resistive load	
		•Relat contact composition:1c	
Relay lifetime		Mechanically:Min.50,000,000 operation, Electrically: Min.100,000 operation	
Light receiving element		Photo IC	
Indication		Operation indicator: red, stable indicator: green	
Insulation resistance		Over 20MΩ (at 500VDC megger)	
Noise immunity		±1000V the square wave noise(pulse width:1μs) by the noise simulator	
Dielectric strength		1000VAC 50/60Hz for 1 minute	
Environment	Ambient illuminaton	Sunlight: max.11,000lx, incandescent lamp: max.3,000lx(receiver illumination)	
	Ambient temperature	-20 to 65℃, storage: -25 to 70℃	
	Ambient humidity	35 to 85%RH, storage: 35 to 85%RH	
Protection structure		IP50(IEC standard)	
Material		•Case, case cover: heat resistant ABS •Sensing part: PC(with polarizing filter PMMA)	
Cable		ø5.0mm, 5-wire, length: 2m(emitter of through-beam type: ø5.0mm, 2-wire, length: 2m)	
		(A WG22, core diameter: 0.08mm, number of cores: 60, insulator diameter: ø1.25mm)	
Acces sory	Individual	-	Reflector(MS-2)
	Common	Adjustment screwdriver, mounting bracket, M4 bolt: 4, M4 nut: 4	Adjustment screwdriver, mounting bracket, M4 bolt: 2, M4 nut: 2
Unit weight		Approx.354g	Approx.208g

Electric Parts - Cross Limited Switch for Travelling
SNB Series

SNB -27 - SL2 - N - 180

Alu Rod Length
SL2: 200mm
SL3: 300mm

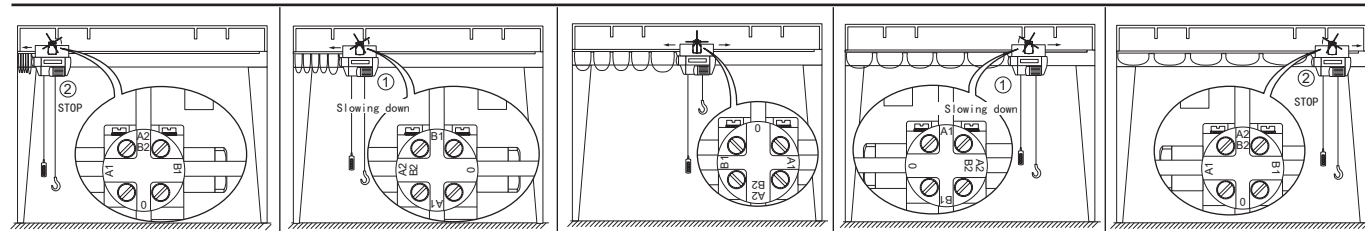
Alu Rod Rotation
180: 180°
360: 360°



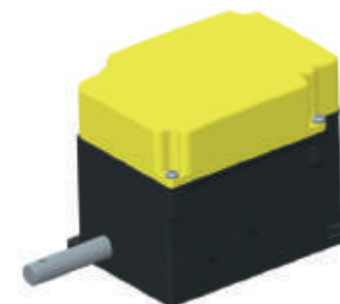
Characteristics

Conforming Standard to Products	IEC 947-5-1, EN 60 947-5-1, VDE 0660-200
Conforming Standard to Assemblies	IEC 204-1, EN 60 204-1, NF C 79-130
Resistance to Vibration	25 gn(10 - 500Hz) conforming to IEC 68-2-6
Resistance to Shock	50 gn conforming to IEC 68-2-27
Electric Shock Protection	Class I conforming to IEC 536 and NF C 20-030
Ambient air temperature	Operation : - 25 ~ 70°C — Storage: - 40 ~ 70°C
IP Class	IP66
Mechanical Durability	2 million Op. cycles
Torque for Tripping	0.5 Nm
Torque for Positive Opening	0.75 Nm
Maximum Actuation Speed	1.5m/s
Rated Operational Characteristics	AC-15 ; A 300 or Ue = 240 V, Ie = 3 A DC-13 ; Q300 or Ue = 125 V, Ie = 0.55 A conforming to IEC 947-5-1 Appendix A,
Rated Insulation Voltage	Ui = 600 V degree of pollution 3 conforming to IEC 97-1,EN60947-5-1
Rated Impulse Withstand Voltage	U imp = 6 kV conforming to IEC 947-1, IEC 664
Positive Operation	N/C contacts with positive opening operation conforming to IEC 947-5-1 , EN 60 947-5-1
Short-circuit Protection	10A cartridge fuse type gG(gl)
Conduits	1/2NPT, M20×1.5, PG13.5
Cabling	Screw and captive cable clamp terminals. Clamping capacity, min.: 1 x 0.34mm ² , max.: 2 x 1.5mm ² or 1 x 2.5mm ² depending on contact, Screw tightening torque max.:1.2Nm
Weight	0.55kg

Switch Operation



Electric Parts - Rotating Switch
FGR Series



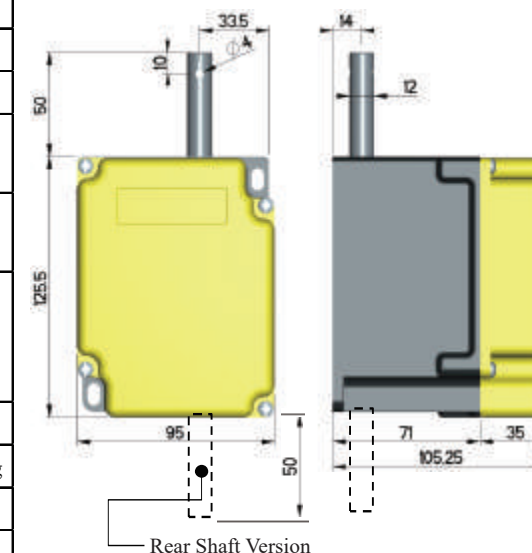
FGR 1 0 075 4

Ratio
10075: 1:75
10100: 1:100
10150: 1:150
10200: 1:200
10400: 1:400

Fixing:
4: Base
4F: Flanged

Characteristics

Case	Self extinguishing housing V0 UL94
Ratio	012=00-050-075-100-150-200-400
Protection Class	IP65
Shaft Type	-Steel -Coaxial Shaft version available
Fixing Type	-Bottom -Front (flanged version)
Microswitch	8A-250V-Silver plated contacts IEC / EN61058-1 / UL1054 1NC-1NO changeover fas trigger Self cleaning positive opening
Microswitch Max n° / note	Max 4-micrometric adjustment roller lever control (long life)
Cam Block	Self-lubricating with transparent support for easier cam viewing
Cable Entry	M20 or M16 (max 4)
Options	-5 different cam shapes / 15 pinions -potentiometer (3 support version)



			n° of Microswitch 2 - 3 - 4	Potentiometer 2.5 / 5 / 10 kΩ	Rear Shaft	Microswitch Cams
012	FGR100124	FGR100124F	4 silver plated	NO	NO	STANDARD
033	FGR100334	FGR100334F		NO	NO	
050	FGR100504	FGR100504F		NO	NO	
075	FGR100754	FGR100754F		NO	NO	
100	FGR101004	FGR101004F		NO	NO	
150	FGR101504	FGR101504F		NO	NO	
200	FGR102004	FGR102004F		NO	NO	
400	FGR104004	FGR104004F		NO	NO	

Electric Parts - Clamp type Load Limited Switch
BQX Series

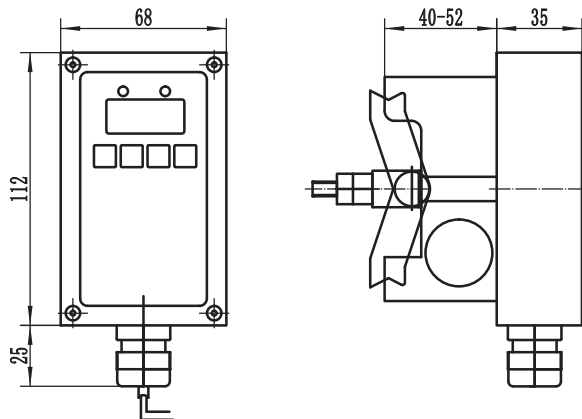


BQX - 4/1 - 3T - 10

Wire Rope Diameter

Loading Capacity

Rope Reeling



Technical Feature

Display Precision : $\leq 10\%$ F.S,

Function: 90% Pre Warning,
105% Warning and Closed the Lifting up
110% Closed Hositing Immediately

Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C} / 90\text{RH}$

IP Class: Sensor IP65, Instrument IP42

Contact capacity: AC250V, 10A

Power supply: AC380V $\pm 10\%$, 50Hz

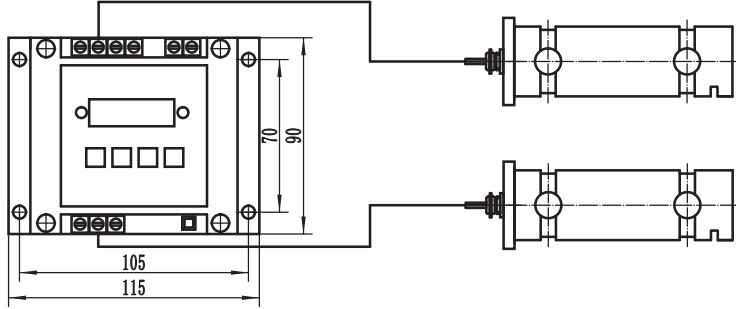
Electric Parts - Pin type Load Limited Switch
ZQX Series



ZQX - 5T - M5

Work Duty

Loading Capacity



Technical Feature

Display Precision : $\leq 5\%$ F.S,

Function: 90% Pre Warning,
105% Warning and Closed the Lifting up
110% Closed Hositing Immediately

Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C} / 90\text{RH}$

IP Class: Sensor IP65, Instrument IP42

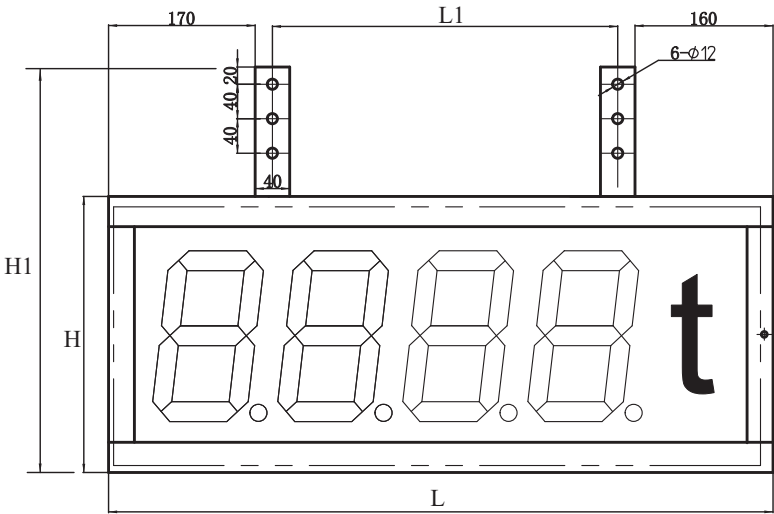
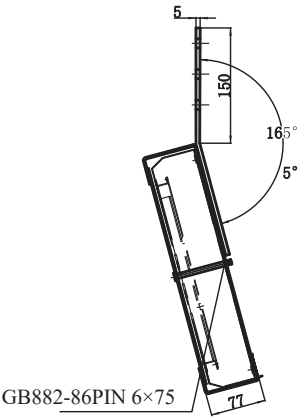
Contact capacity: AC250V, 10A

Power supply: AC48V $\pm 10\%$, 50Hz

Electric Parts - Load Displayer
NTGL Series

NTGL - 5

Dimension



Technical Feature

Display with	BQX and ZQX Load Limited Switch
Signals Communication Interface:	485
IP Class:	IP54
Lighting:	Red LED
Material:	Steel Sheath with Electrical Components
Power supply:	Input AC220V; Output 12V/5V

Dimention

Model	L	L1	H	H1	Dimention
NTGL-5	620	380	240	350	5"
NTGL-8	800	400	320	450	8"
NTGL-10	960	400	390	520	10"