



Chiao Huen Machinery Co., Ltd.



*Conductor Rails / Crane Geared Motors
Manufacturers of Electric Chain Hoists*



Company Introduction

ABOUT TAIWAN I.T.S.

Chiao Huen Machinery Co., Ltd. was founded in Taipei, Taiwan in 1986. The founder, Mr. Chang Tzu- Jan, holds to the principle of targeting the 6S policies (quality, safety, certainty, service, rapidity, and stability) of ISO international certification to serve customers. We manufacture insulated conductor rails, electric chain hoists and trolleys, crane geared motors, and related crane accessories.

After receiving the support and affirmation of customers for many years, our business has expanded by establishing many branches in other countries. Consequently, the managing principle and goal of I.T.S. of "quality first and sustainable management" can be realized, and related automation of engineering services can be safely provided.

Company Expansion History

- 1986 Taipei headquarters established, the capital of Taiwan
- 1992 Kaohsiung branch established, the capital of southern Taiwan
- 1997 Thailand branch established
- 1999 Expansion into China with three branches.

Guangdong Province	Dongguan Chiao Huen Enterprise Co.,Ltd.
Fujian Province	Xia Men Chiao Huen Machinery Co.,Ltd.
Jiangsu Province	KunShan Chiao Huen Machinery Co.,Ltd. (KunShan Qiao Hui Machinery Co.,Ltd.)
- 2001 Vietnam branch established

WEB

Taiwan : Chiao Huen Machinery Co., Ltd.

<http://www.chainhoistmanufacturers.com/>

China : KunShan Chiao Huen Machinery Co.,Ltd.

<http://www.itshoist.cn/>

Vietnam : CÔNG TY TNHH PHÚC KIM

<http://www.palangphuckim.com/>

Thailand : I.T.S. Intertrade Co., Ltd.

<http://www.chainhoistmanufacturers.com/>

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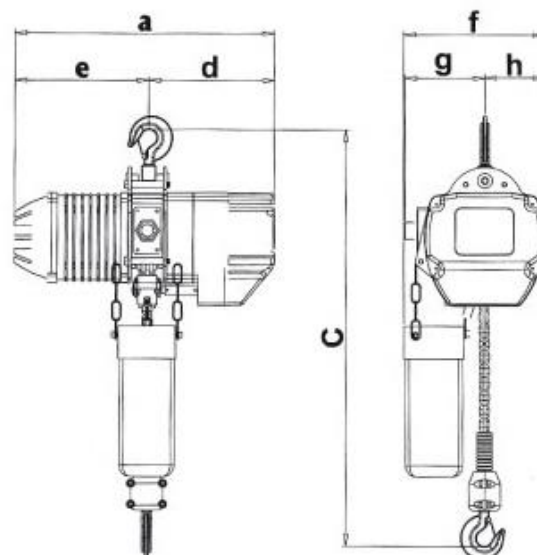
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I.T.S. Electric Chain Hoist

H,L Series- Electric Chain Hoist



SPECIFICATIONS

CAPACITY TON	Model		Standard lift(m)	Lifting Speed(m/min)				Lifting Motor(KW)		Load Chain Fall No.	Chain (mm)	Power Supply	E.D. Rating (%)	Net Weight- with 3M Chain (KG)	
	Single Speed	Dual Speed		50HZ		60HZ		Motor(KW)						Single	Dual
				Single	Dual	Single	Dual	Single	Dual						
1	CH010L	CH010LD	3	4.7	4.7/2.3	5.7	5.7/2.8	1.2	1.2/0.6	1	7.1	(3Phase) 220V-460V 50HZ 60HZ	40	67	71
1	CH010H	CH010HD		7.1	7.1/2.3	8.6	8.6/2.8	1.8	1.8/0.6						
2	CH020L	CH020LD		2.3	2.3/1.1	2.8	2.8/1.4	1.2	1.2/0.6	2				77	81
2	CH020H	CH020HD		3.5	3.5/1.1	4.3	4.3/1.4	1.8	1.8/0.6						
3	CH030L	CH030LD		1.5	1.5/0.7	1.8	1.8/0.9	1.2	1.2/0.6	3				86	90
3	CH030H	CH030HD		2.3	2.3/0.7	2.8	2.8/0.9	1.8	1.8/0.6						

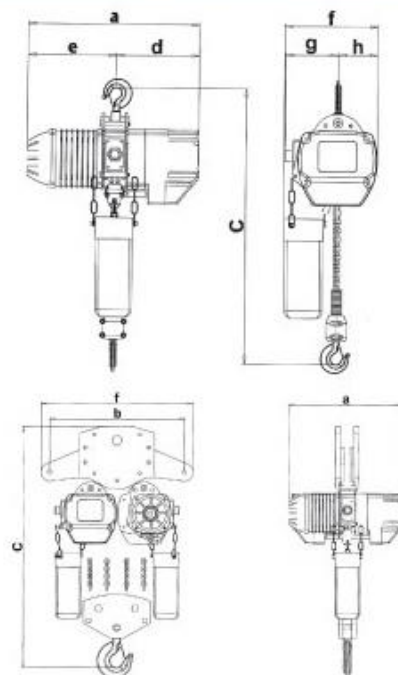
DIMENSIONS(MM)

CAPACITY TON	Model	c		a		d		e		f	g	h
		SINGLE SPEED	DUAL SPEED	SINGLE SPEED	DUAL SPEED	SINGLE SPEED	DUAL SPEED	SINGLE SPEED	DUAL SPEED			
1	CH010L(D)	630	630	530	570	260	260	270	310	350	200	123
	CH010H(D)											
2	CH020L(D)	795	795	530	570	260	260	270	310	350	200	123
	CH020H(D)											
3	CH030L(D)	925	925	530	570	260	260	270	310	370	200	145
	CH030H(D)											
	CH030H(D)											



I.T.S. Electric Chain Hoist

S Series- Electric Chain Hoist



SPECIFICATIONS

CAPACITY TON	Model		Standard lift (m)	Lifting Speed(m/min)				Lifting Motor(KW)		Load Chain Fall No	Chain (mm)	Power Supply	E.D. Rating (%)	Net Weight- with 3M Chain (KG)	
	Single Speed	Dual Speed		50HZ		60HZ								Single	Dual
				Single	Dual	Single	Dual								
2	CH020S	CH020SD	3	7.0	7.0/2.3	8.4	8.4/2.8	3.7	3.7/1.25	10.0	1	(3Phase) 220V- 460V 50HZ 60HZ	40	95	99
2.8	CH028S	CH028SDD		5.5	5.5/1.8	6.6	6.6/2.2			11.2				112	116
3	CH030S	CH030SD		3.7	3.7/1.2	4.6	4.6/1.5			10.0				123	127
5	CH050S	CH050SD		2.7	2.7/0.9	3.3	3.3/1.1	4.0	3.7/1.25	11.2	2			149	153
7.5	CH075S	CH075SD		1.8	1.8/0.6	2.2	2.2/0.7				3			211	215
10	CH100S	CH100SD		2.7	2.7/0.9	3.3	3.3/1.1				3.7x2			3.7x2/1.25x2	4
15	CH150S	CH150SD		1.8	1.8/0.6	2.2	2.2/0.7	4.0x2	3.7x2/1.25x2		6			553	557

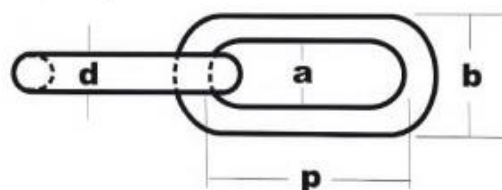
DIMENSIONS(mm)

CAPACITY TON	Model	c		a		b	d		e		f	g	h
		Single Speed	Dual Speed	Single Speed	Dual Speed		Single Speed	Dual Speed	Single Speed	Dual Speed			
2	CH020S(D)	765	765	630	665	-	320	320	310	345	440	220	160
2.8	CH028S(D)	840	840	630	665	-	320	320	310	345	440	220	160
3	CH030S(D)	925	925	630	665	-	320	320	310	345	440	220	160
5	CH050S(D)	960	960	630	665	-	320	320	310	345	440	220	160
7.5	CH075S(D)	1170	1170	630	665	-	320	320	310	345	587	-	-
10	CH100S(D)	1190	1190	630	665	885	320	320	310	345	1030	-	-
15	CH150S(D)	1360	1360	630	665	1055	320	320	310	345	1200	-	-

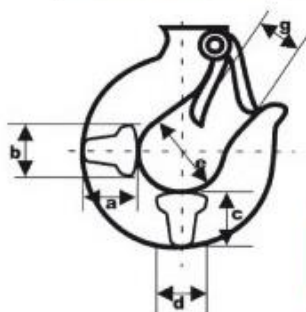


I.T.S. Electric Chain Hoist

- 1 **I.T.S. Electric Hoists** : Easy to take apart, easy to install.
- 2 **Support Frame** : One-piece design. Constructed with a single FC25 cast iron gearbox instead of two steel plates, aesthetic and rugged design.
- 3 **Motor Case** : Aluminum alloy motor case is lightweight and provides good heat dissipation. The integral enclosed structure is recommended for locations such as chemical plants and electroplate factories.
- 4 **Motor Brake** : Motor winding with class F insulation and thermal protection. The magnetic brake automatically engages when power supply is interrupted.
- 5 **Mechanical Brake** : Together with the motor brake, provides a dual braking system to ensure operating safety. Brake material is durable and asbestos free.
- 6 **SNCM21 Alloy Steel Gears** : Strong and tough, improves corrosion resistance and resistance to steel gear oxidation.
- 7 **Phase Error Detector** : Motor will not run if power supply is not properly connected .
- 8 **24V/48V Transformer** : Used to prevent injury in the event of current leakage from push-button controller.
- 9 **Limit Switch** : Limits vertical travel to prevent chain jamming or detachment and to ensure safety.
- 10 **Magnetic Contactor** : We use TECO brand contactors which feature low failure rates and can maintain safety even when in frequent use.
- 11 **Load Chain** : Japanese-made FEC 80 super alloy steel, heat-treated chains suitable for use in harsh operating environments.
- 12 **Hooks** : Hot forged for strength and toughness. Bottom hook swivels through 360 degrees. Safety catches on top and bottom hooks.



Model	Capacity TON	Trade Size (mm)	Inside Width (mm)	Outside Width (mm)	Inside Length (mm)	Working Load Limit (kg f)	Proof Load (kg f)	Breaking Load (kg f)	Weight Per Meter (kg s/m)
		d	a	b	p				
CH010L(D)	1	7.1	9.2	23.8	21.0	1000	1250	6100	1.1
CH010H(D)	1					1000	1250	6100	
CH020L(D)	2					2000	2500	6100	
CH020H(D)	2					2000	2500	6100	
CH030L(D)	3					3000	3750	6100	
CH030H(D)	3					3000	3750	6100	
CH020S(D)	2	10.0	12.5	33.2	30.0	2000	2500	12500	2.18
CH030S(D)	3					3000	3750	12500	
CH028S(D)	2.8	11.2	14.7	37.5	34.0	2800	3500	16000	2.73
CH050S(D)	5					5000	6250	16000	
CH075S(D)	7.5					7500	9375	16000	
CH100S(D)	10					10000	12500	16000	

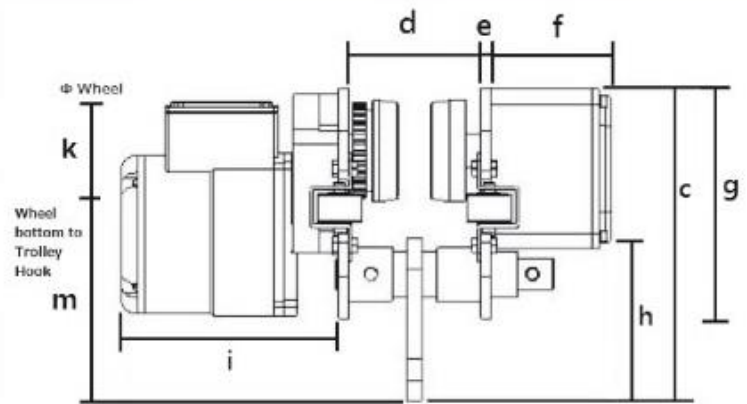


Capacity TON	T&B	a	b	c	d	e	g
1	T&B	33.5	23.5	31	22.5	40	28
2	T&B	47.5	31	42	32	48	36
3	T&B	54	32	47	30	54	42
5	T&B	70	43	58	43	59	40
7.5	T&B	86	62	79	61	77	61
10	T&B	107	72	101	68	98	57

T : Top hook B : Bottom hook



I.T.S. Monorail Motorized Trolley



- 1 Motor driving gears and motor spindle are made from SNCM21 alloy steel, featuring super strength and toughness.
- 2 Safe, reliable interlock device.
- 3 FC25 cast aluminum motor housing is lightweight and provides good heat dissipation.
- 4 With balanced support wheels for smooth and silent rail traveling.

SPECIFICATIONS

CAPACITY TON	Model		I-beam		Travel Speed				Motor(KW)		N.W.(KG)		Power Supply
	Single Speed	Dual Speed	(mm)	(inch)	50HZ		60HZ		Single	Dual	Single	Dual	
1	CHM-010	CHMD-010	75-125	3"-5"	20.2	20.2/6.5	24.3	24.3/8.1	0.4	0.4/0.13	40	46	(3Phase) 220V-460V 50HZ 60HZ
2	CHM-020	CHMD-020	125-150	5"-6"	13.2	19.6/6.5	15.8	23.8/8.1	0.4	0.4/0.13	45	51	
3	CHM-030	CHMD-030	150-175	6"-7"	13.2	19.6/6.5	15.8	23.8/8.1	0.4	0.6/0.2	59	65	
5	CHM-050	CHMD-050	175-200	7"-8"	12.6	19.0/6.3	15.2	22.9/7.6	0.6	0.6/0.2	69	75	
7.5	CHM-075	CHMD-075	200-250	8"-10"	12.6	19.0/6.3	15.2	22.9/7.6	0.6	0.75/0.4	79	85	

DIMENSIONS(mm)

CAPACITY TON	Model		c (mm)	d (I-beam)		e (mm)	f (mm)	g (mm)	h (mm)	i (mm)		k (Wheel) (Φ mm)	m (mm)
	Single Speed	Dual Speed		(mm)	(inch)					Single	Dual		
1	CHM-010	CHMD-010	286	75-125	3"-5"	10	135	216	147	200	200	94	175
2	CHM-020	CHMD-020	300	125-150	5"-6"	10	135	225	147	200	200	106	180
3	CHM-030	CHMD-030	310	150-175	6"-7"	14	135	254	156	200	230	125	200
5	CHM-050	CHMD-050	368	175-200	7"-8"	16	135	304	177	200	230	150	220
7.5	CHM-075	CHMD-075	368	200-250	8"-10"	16	135	304	240	200	230	150	220

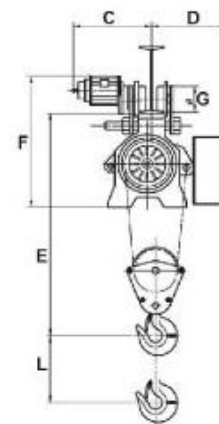
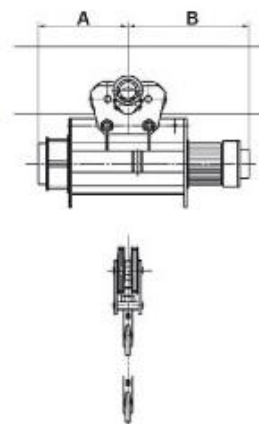
*Above are our standard width of I-beam, and the I-beam width of our motorized trolley can be changed depends on buyer's needs.



I.T.S. Electric Wire Rope Hoist

AV Type: Single Girder Electric Wire Rope Hoist

- Single-Girder Electric Wire Rope Hoist is fit for light industry with swift and convenient characteristic.
- The direct electromagnetic brake is accurate powerful and easily adjusted.
- The all-planetary deceleration gears are made of high frequency heat treated medium carbon steel.
- Using JIS Number 6 wire rope provides good quality and flexibility.



Single Girder Electric Wire Rope Hoist - Specifications/ Dimensions(mm)

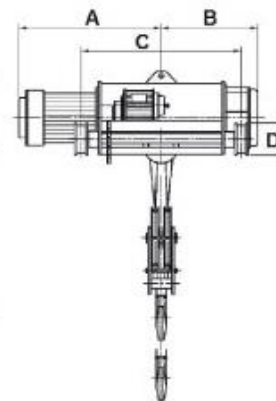
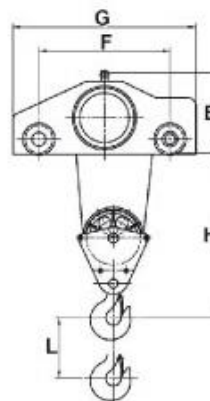
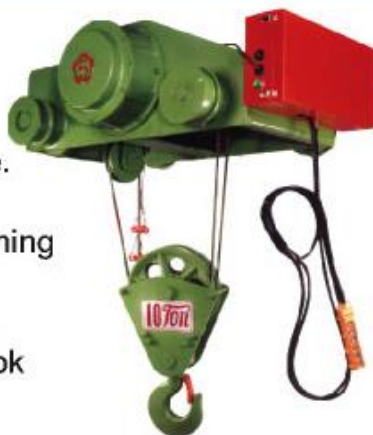
Loading TONS	Model	Lifting Height (M)	Hoisting		Trolley					Wire Rope		Approximate Size								Hook to Runway	Weight (kg)																																			
			Lifting Speed	Motor	Trolley Speed				Motor	Diameter	Reeving	(m/m)																																												
					60Hz		50Hz																																																	
					60Hz	50Hz	(kw)	I Beam														H Beam	I Beam	H Beam	(kw)	(mm)	A	B	C	D	E	F	G	L																						
1	AV011	5.26 11.10	7.2	6	1.5	19.1	17.6	15.9	14.7	0.37	8	1/2	290 380	395 485	435 440	350 340	790 850	545 565	127 140	5.26 11.10	500	200 240																																		
2	AV011	5.55 8.79 12.03	3.6	3	1.5	17.4	15.8	14.5	13.2	0.37	8	1/4	380 480 580	485 585 685	440	340	850	565	140	5.55 8.79 12.03	600	247 276 304																																		
		AV022											5.17 9.05 12.20	7.2						6		3	17.4	15.8	14.5	13.2	0.37	8	2/4	400 505 590	580 685 770	440	385	845	660	140	5.17 9.05 12.20	600	342 371 399																	
													AV023																	10.03 16.71 22.12	7.2						6		3	17.4	15.8	14.5	13.2	0.37	10	1/2	400 505 590	580 685 770	440	385	845	660	140	10.03 16.71 22.12	600	333 361 390
																														AV031																	5.01 8.36 11.06	3.6						3		3
	AV032	4.20 7.54 10.24	7.2	6	4.5	14	12.8	11.7	10.7	0.50	10	2/4	400 505 590	580 685 770	485	385	990	670	163	4.20 7.54 10.24	700	352 390 409																																		
		AV033											7.76 13.17 17.55	7.2						6		4.5	14	12.8	11.7	10.7	0.50	12	1/2		400 505 590	580 685 770	485	385	990	670	163	7.76 13.17 17.55	700	361 390 418																
	AV051		5.24 8.71 12.26	3.2	2.7	4.5	14.5	13.4	12.1	11.2	0.50	12	1/4		420 530 645	600 710 825	485	430	1205		760										187.5	5.24 8.71 12.26						800		485 532 570																
		AV052	4.24 7.71											6.4	5.3	7.5				14.5		13.4	12.1	11.2	0.50	12	2/4	425 535	615 725	485		430	1135	760	187.5	4.24 7.71	800		485 532																	
AV053			7.85 13.46 19.20																									6.4	5.3							7.5			14.5	13.4	12.1	11.2	0.50	16	1/2	433 545 660	615 728 843	485	430	1500	773	185	7.85 13.46 19.20	800	485 532 570	
		AV071	6.09 9.11 12.34											3.2	2.7	5.6				14.6		13.4	12.2	11.2	0.50	14	1/4			485 595 715		675 785 905	505	450	1365		885									204	6.09 9.11 12.34						900		618 675 732	
AV072	5.03 8.06 11.29		4.8	4	9	14.6	13.4	12.2	11.2	0.50	14	2/4	505 615 735				675 785 905	505	450		1280							545	127	11.10	500	5.26 680 740																								
	AV101												6.55 9.84 13.36				2.9															2.4				7.5		14.9	13.6	12.4	11.3	0.50	16	1/4	505 615 735		675 785 905	515	475	1645	565	140		8.79 12.03 5.17	600	727 782 852
AV102			5.02 8.32 11.83	4.8	4	11	14.9	13.6	12.4	11.3	0.50	16	2/4					520 630 750	790 900 1020		515							475	1545	660	140														9.05 12.20 10.03		600							766 828 924		



I.T.S. Electric Wire Rope Hoist

AW Type: Double-Rail Electric Wire Rope Hoist

- Double-Rail Electric Wire Rope Hoist is suitable for medium tonnage products (2~15 tons).
- Features direct electromagnetic brake.
- Auto-adjusting eccentric shaft allows running on uneven rails while maintaining even load.
- Low failure rate and easy to maintain. Wire rope and wide diameter steel hook ensure high efficiency.



1- 7.5Ton Double-Rail Electric Wire Rope Hoist- Specifications/ Dimensions(mm)

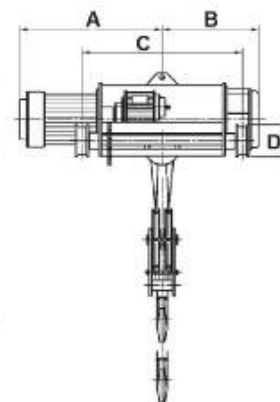
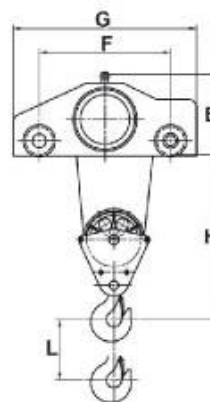
Loading TONS	Model	Lifting Height (M)	Hoisting			Trolley			Wire Rope		Approximate Size										Hook to Runway	Weight (kg)
			Lifting 60Hz	Speed 50Hz	Motor (kw)	Trolley 60Hz	Speed 50Hz	Motor (kw)	Diameter (mm)	Reeving	(m/m)											
											A	B	C	D	E	F	G	H	L			
1	AW011	11.10	7.2	6	1.5	17.4	14.5	0.37	8	1/5	490	385	680	150	390	580	940	510	11.10	500	264	
2	AW021	5.55	3.6	3	1.5	17.4	14.5	0.37	8	1/4	490	385	680	150	390	650	940	565	5.55	600	273	
		8.79									590	485	880						8.79		299	
		12.03									690	585	1080						12.03		326	
	AW022	5.17	7.2	6	3	17.4	14.5	0.37	8	2/4	585	405	710	150	420	650	1040	565	5.17	600	387	
		9.05									690	510	920						9.05		414	
		12.20									775	595	1090						12.20		449	
	AW023	10.03	7.2	6	3	17.4	14.5	0.37	10	1/2	585	405	710	150	420	650	1040	565	10.03	600	380	
		16.71									690	510	920						16.71		405	
		22.12									775	595	1090						22.12		450	
	3	AW031	5.01	3.6	3	3	13.4	11.2	0.50	10	1/4	585	405	710	150	420	650	1040	650	5.01	700	414
8.36			690									510	920	8.36						440		
11.06			775									595	1090	11.06						460		
AW032		4.20	7.2	6	4.5	13.4	11.2	0.50	10	2/4	585	405	710	150	420	650	1040	650	4.20	700	395	
		7.54									690	510	920						7.54		450	
		10.24									775	595	1090						10.24		470	
AW033		7.76	7.2	6	4.5	13.4	11.2	0.50	12	1/2	585	405	710	150	420	650	1040	650	7.76	700	400	
		13.17									690	510	920						13.17		435	
		17.55									775	595	1090						17.55		475	
5		AW051	5.24	3.2	2.7	4.5	13.4	11.2	0.50	12	1/4	605	430	750	150	470	700	1110	750	5.24	800	505
	8.71		725									535	970	8.71						548		
	12.26		840									650	1200	12.26						600		
	AW052	4.24	6.4	5.3	7.5	13.4	11.2	0.50	12	2/4	620	430	750	150	470	700	1110	750	4.24	800	496	
		7.71									730	540	970						7.71		556	
		11.26									845	655	1200						11.26		614	
	AW053	7.85	6.4	5.3	7.5	13.4	11.2	0.50	16	1/2	620	430	750	150	470	700	1110	750	7.85	800	525	
		13.46									730	540	970						13.46		579	
		19.20									845	655	1200						19.20		632	
	7.5	AW071	6.09	3.2	2.7	5.63	13.3	11.1	0.50	14	1/4	680	490	830	170	520	750	1180	810	6.09	900	675
9.11			790									600	1050	9.11						745		
12.34			910									720	1300	12.34						800		
AW072		5.03	4.8	4	9	13.3	11.1	0.50	14	2/4	795	510	830	170	520	750	1180	810	5.03	900	699	
		8.06									905	620	1050						8.06		754	
		11.29									1025	740	1300						11.29		800	



I.T.S. Electric Wire Rope Hoist

AW Type: Double-Rail Electric Wire Rope Hoist

- Double-Rail Electric Wire Rope Hoist is suitable for medium tonnage products (2~15 tons).
- Features direct electromagnetic brake.
- Auto-adjusting eccentric shaft allows running on uneven rails while maintaining even load.
- Low failure rate and easy to maintain. Wire rope and wide diameter steel hook ensure high efficiency.



10- 30 Ton Double-Rail Electric Wire Rope Hoist- Specifications/ Dimensions(mm)

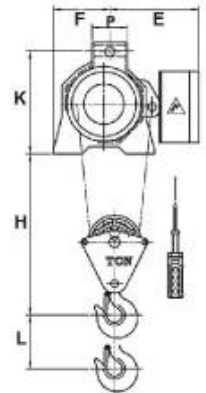
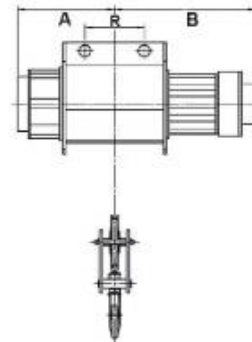
Loading TONS	Model	Lifting Height (M)	Hoisting		Trolley			Wire Rope		Approximate Size										Hook to Runway	Weight (kg)	
			Lifting Speed		Motor (kw)	Trolley Speed		Motor (kw)	Diameter	Reeving	(m/m)											
			60Hz	50Hz		60Hz	50Hz				A	B	C	D	E	F	G	H	L			
10	AW101	6.55	2.9	2.4	7.5	12.9	10.8	0.50	16	1/4	680	510	830	180	550	860	1360	1080	6.55	1000	856	
		9.84									790	620	1050						9.84		920	
		13.36									910	740	1300						13.36		1003	
	AW102	5.02	4.8	4	11.25	1	10.8	0.50	16	2/4	795	525	830	180	550	860	1360	1080	5.02	1000	902	
		8.32									905	635	1050						8.32		975	
		11.83									1025	755	1300						11.83		1087	
15	AW151	5.04	3.2	2.7	11.25	15.2	12.7	1.00	16	2/6	905	635	1050	220	500	1238	1748	1200	5.04	1400	1314	
		7.39									1025	755	1300						7.39		1427	
		9.38									1125	855	1500						9.38		1531	
	AW15F	8.80	4.8	4	15	15.2	12.7	1.00	20	1/4	960	825	1000	220	700	1210	1690	1200	8.86	1400	1739	
		12.16									1060	925	1200						12.16		1852	
		15.45									1160	1025	1400						15.45		1975	
	AW15H	5.63	6.4	5.3	22.5	15.2	12.7	1.00	16	2/6	1005	825	1000	220	730	1458	1998	1200	5.63	1400	1928	
		8.45									1105	925	1200						8.45		2041	
		11.26									1205	1025	1400						11.26		2155	
20	AW201	6.12	2.3	1.9	11.25	17.4	14.5	1.50	20	1/6	925	655	1100	250	640	1450	1960	1500	6.12	1500	1937	
		8.31									1025	755	1300						8.31		2145	
		10.51									1125	855	1500						10.51		2372	
	AW20D	6.69	3.3	2.8	15	17.4	14.5	1.50	22	1/4	945	815	1000	250	740	1320	1850	1500	6.69	1500	2032	
		9.44									1045	915	1200						9.44		2145	
		12.18									1145	1015	1400						12.18		2259	
	AW20F	7.80	4.8	4	22.5	17.4	14.5	1.50	22	1/4	990	815	1000	250	740	1320	1850	1500	7.80	1500	2164	
		10.87									1090	915	1200						10.87		2277	
		13.94									1190	1015	1400						13.94		2391	
30	AW302	7.47	3.2	2.7	22.5	17.6	14.7	1.50	22	2/6	1175	1200	1400	350	740	1700	2290	1800	7.47	1700	3043	
		9.75									1275	1300	1600						9.75		3260	
		12.03									1375	1400	1800						12.03		3497	
	AW30B	5.93	2.2	1.8	15	17.6	14.7	1.50	22	1/6	1130	1000	1400	350	735	1550	2190	1800	5.93	1700	2750	
		7.76									1230	1100	1600						7.76		2967	
		9.59									1330	1200	1800						9.59		3213	
	AW30C	6.96	3.2	2.7	22.5	17.6	14.7	1.50	22	1/6	1175	1000	1400	350	735	1550	2190	1800	6.96	1700	2854	
		9.01									1275	1100	1600						9.01		3071	
		11.06									1375	1200	1800						11.06		3336	



I.T.S. Electric Wire Rope Hoist

AS Type: Suspension-style Electric Wire Rope Hoist

- **Suspension Electric Wire Rope**
Hoist is suitable for fixed vertical hoisting of heavy objects, especially effective for cargo elevators.
- **Economical, easy to install, low failure rate.**
- **Direct electromagnetic brake features high braking force and is easy to adjust.**
- **Planetary deceleration gears are made of heat-treated medium carbon steel.**
- **Outside drum diameter is 16x cable diameter.**
- **Hook block is made of cast and machined steel.**



Suspension Electric Wire Rope Hoist- Specifications / Dimensions(mm)

Loading TONS	Model	Lifting Height (M)	Hoisting		Motor (kw)	Wire Rope		Approximate Size									
			Trolley Speed 60Hz	Speed 50Hz		Diameter (mm)	Reeving	(m/m)									
								A	B	E	F	H	K	P	R		
1	AS011	5.26	7.2	6	1.5	8	1/2	649	344	220	510	354	126	170			
		11.10						849						190			
2	AS021	5.55	3.6	3	1.5	8	1/4	849	344	220	570	354	126	190			
		8.79						1049									
		12.03						1249									
		5.17						—									
	AS022	9.05	7.2	6	3	8	2/4	1214	376	238	570	430	—	210			
		12.20						1384									
	AS023	10.03	7.2	6	3	10	1/2	—	344	238	—	430	150	210			
		16.71															
			22.12														
		3	AS031	5.01	3.6	3	3	10	1/4	—	376	238	—	430	150	210	
8.36																	
11.06																	
AS032	4.20		7.2	6	4.5	10	2/4	—									
	7.54							1384	376	238	621	434	210	210			
AS033	10.24		7.2	6	4.5	12	1/2	—	376	238	—		150	210			
	7.76	1659						1084									
5	AS051	13.17	3.2	2.7	4.5	12	1/4	—	449	278	740	508	160	250			
		24.64						1027							1477	1052	449
		5.24						—							—	—	—
	AS052	8.71	6.4	5.3	7.5	12	2/4	1052	449	278	—	508	160	250			
		12.26						—							449		
	AS053	4.24	6.4	5.3	7.5	16	1/2	—	—								
7.71		1272						449	278	900	550	—	250				
7.5	AS071	7.85	3.2	2.7	5.62	14	1/4	—	449	288	—	—	170	250			
		15.09						—									
		19.20						—									
	AS072	6.09	4.8	4	9	14	2/4	—	449	288	1400		170	250			
		9.11						1650									
			12.34														
10		AS101	5.03	2.9	2.4	7.5	16	1/4	1293	496	343	972	628	222	400		
	9.84		—														
	13.36		—														
	AS102	5.02	4.8	4	11.3	16	2/4	—	496	343	—	628	222	400			
8.32																	
		11.83															



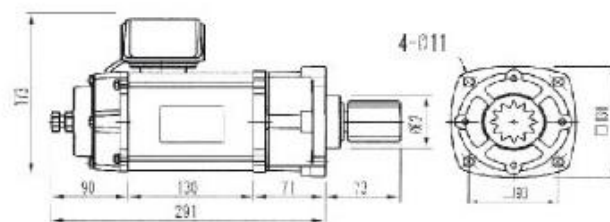
I.T.S. Electric Wire Rope Hoist

- 1 Hoisting Motor** : For specialized use of squirrel-cage inductor motors. Outer case is made of gray cast iron. Hoisting motor load time complies with 30% ED (180 times/hour switch frequency, 60% ED also available.)
- 2 Gear Box** : Small-size planetary deceleration gears can run at higher torque and with low noise.
- 3 Wheel** : Manufactured from S45C material, heat-treated surface, high pressure bearing and good abrasive resistance.
- 4 Wire Rope** : 6x37 rope with at least 5x safety factor, high tensional strength, wear-proof flexible steel that endures bending fatigue.
- 5 Dual Upper Limit Switch** : When hook touches emergency limit switch, main power supply is immediately cut off.
- 6 Brake System** : DC electromagnetic brake discs have faster reaction and 150% braking force.
- 7 Eccentric Shaft** : Auto-adjusting eccentric shaft (Patent No. 40602), can run on uneven tracks and still sustain load evenly.
- 8 Control System** : Electromagnetic switch includes mechanical linkage: coil includes surge protector.
- 9 Drum** : 16x greater than wire rope diameter, meeting safety standards for fixed cranes.
- 10 Sheave** : Manufactured with gray iron casting. 18 times greater than wire rope diameter.
- 11 Push-Button Switch** : Reinforced plastic shell, one-piece design, optimal insulation ensures impact and fire resistance. Control cable includes high-strength steel wire to strengthen suspension safety.
- 12 Hook Assembly** : Forged and heat-treated high-strength alloy steel, high wear resistance. Includes thrust-bearing enabling hook that can swivel 360 degrees, safety factor of at least 4x with safety latch to ensure operational safety.

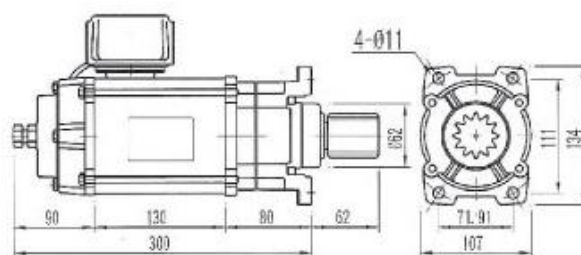


I.T.S. Crane Geared Motor

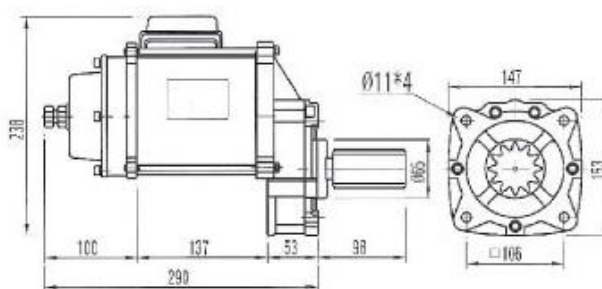
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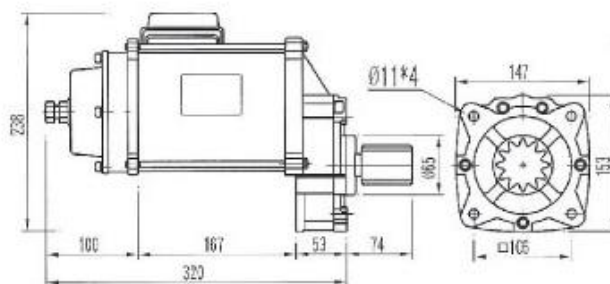
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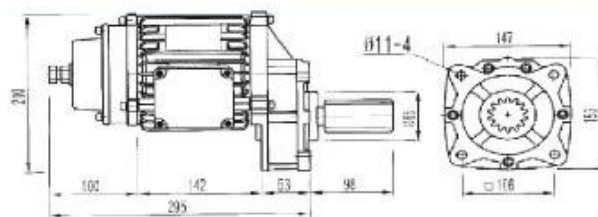


Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-SI-030 CH-SI-030E	0.37Kw	4	200V-450V	10 : 1	150	180	M3 M3.5 M4	12
	0.25Kw	4			150	180		
	0.19Kw	4			150	180		
	0.25Kw	6			90	120		
	0.18Kw	8			75	90		
CH-H-030 CH-H-030E	0.37Kw	4		7.8 : 1	190	228		13
	0.25Kw	4			190	228		
	0.19Kw	4			190	228		
	0.25Kw	6			112	153		
	0.18Kw	8			94	114		
CH-S-050 CH-V-050	0.4Kw	4	200V-450V	8.5 : 1	176	210	M3	16
	0.3Kw	6			115	140	M3.5	18.5
	0.2Kw	8			88	105	M4	18.5

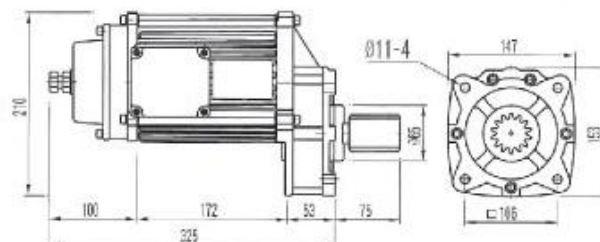


I.T.S. Crane Geared Motor

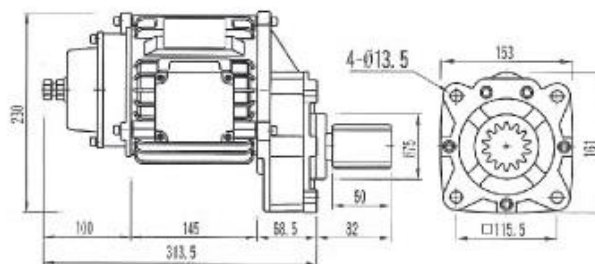
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CH-L-050
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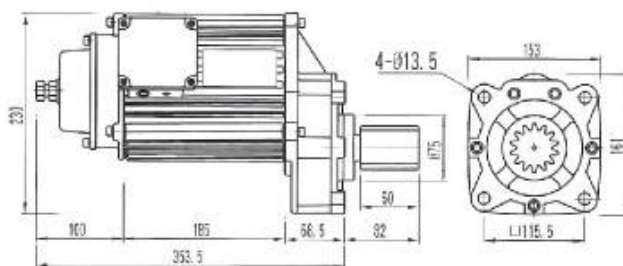


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CH-L-100
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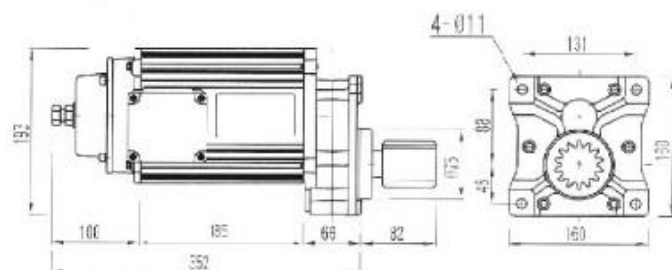


Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-SI-050	0.4Kw	4	200V-450V	8.5 : 1	176	210	M3	19.5
CH-L-050	0.3Kw	6			115	140	M3.5	25
	0.2Kw	8			88	105	M4	25
CH-SI-100	0.75Kw	4		7.7 : 1	189	228	M3	26
CH-L-100	0.6Kw	6			124	150		26
	0.4/0.2Kw	4/8			189/94	228/114	M3.5	32
	0.4/0.13Kw	4/12			189/62	228/75	M4	32
CH-SI-150	0.6/0.3Kw	4/8		7.7 : 1	189/94	228/114	M5	32
	0.6/0.2Kw	4/12			189/62	228/75		

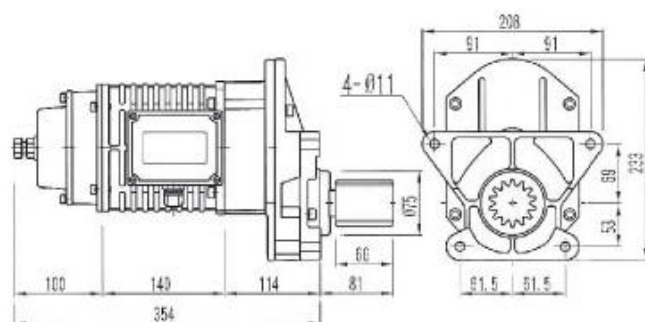


I.T.S. Crane Geared Motor

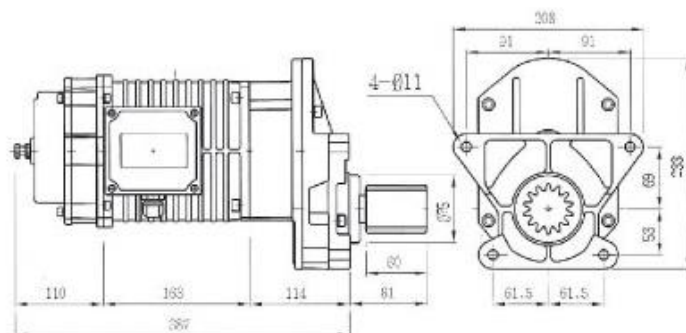
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CH-H-100
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CH-HL-150
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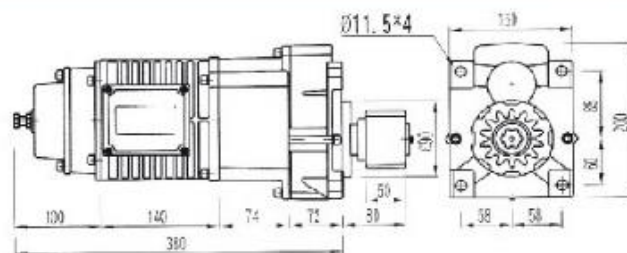


Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-SY-100	0.75Kw	4	200V-450V	6.5 : 1	216	263	M3 M3.5 M4 M5	26
	0.6Kw	6			143	175		
	0.4/0.2Kw	4/8			216/108	263/131		
	0.4/0.13Kw	4/12			216/71	263/88		
CH-H-100	0.75Kw	4		7.7 : 1	189	228		30
	0.6Kw	6			124	150		
	0.4/0.2Kw	4/8			189/94	228/114		
	0.4/0.13Kw	4/12			189/62	228/75		
CH-HL-150	1.1Kw	4		7.7 : 1	189	228		40
	0.75Kw	6			124	150		
	0.6/0.3Kw	4/8			189/94	228/114		
	0.6/0.2Kw	4/12			189/62	228/75		

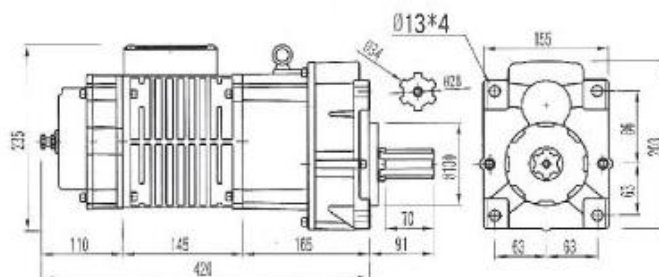
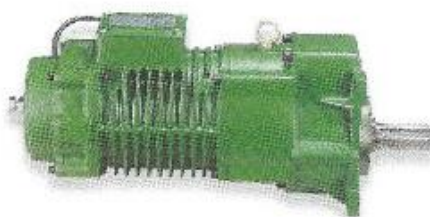


I.T.S. Crane Geared Motor

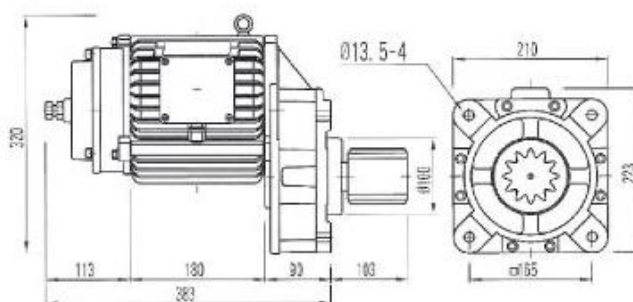
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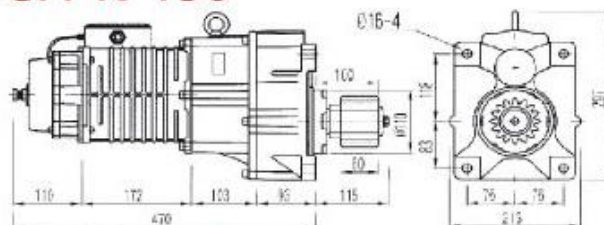


Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-F-100	0.75Kw	4	200V-450V	13 : 1	114	137	M3.5 M4 M5	32
	0.6Kw	6			67	90		
	0.4/0.2Kw	4/8			114/57	137/68		
	0.4/0.13Kw	4/12			114/33	137/45		
CH-F-150	1.1Kw	4			114	137		43
	0.75Kw	6			67	90		
	0.6/0.3Kw	4/8			114/57	137/68		
	0.6/0.2Kw	4/12			114/33	137/45		
CH-SI-200	1.5Kw	4		10 : 1	145	174		47
	1.1Kw	6			95	115		
	0.75/0.37Kw	4/8			145/72	174/87		
	0.75/0.25Kw	4/12			145/47	174/57		
CH-SI-300	2.2Kw	4			145	174		53
	1.5Kw	6			95	115		
	1.5/0.75Kw	4/8			145/72	174/87		
	1.5/0.5Kw	4/12			145/47	174/57		

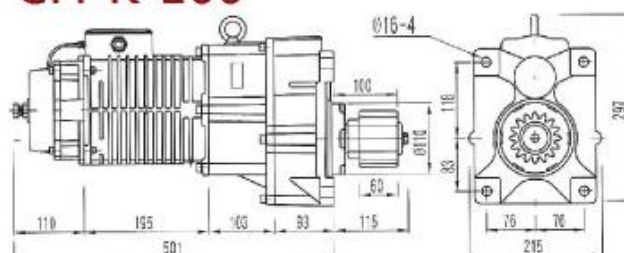


I.T.S. Crane Geared Motor

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CH-A-200 / CH-B-200 / CH-H-200 / CH-K-200 (Buffer)



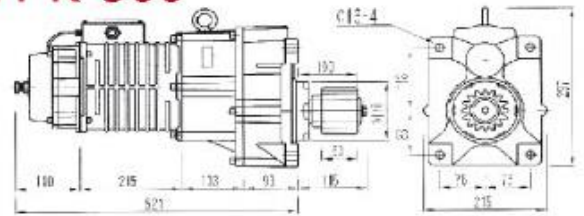
Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-A-150	1.1KW	4	200V-450V	16 : 1	92	110	M3.5 M4 M5 M6	56
	0.75KW	6			61	73		
	0.6/0.3 KW	4/8			92/46	110/55		
	0.6/0.2 KW	4/12			92/30	110/36		
CH-B-150	1.1KW	4		13.3 : 1	106	129		
	0.75KW	6			70	85		
	0.6/0.3 KW	4/8			106/53	129/64		
	0.6/0.2 KW	4/12			106/32	129/42		
CH-H-150	1.1KW	4		11.4 : 1	129	154		
	0.75KW	6			85	100		
	0.6/0.3 KW	4/8			129/64	154/77		
	0.6/0.2 KW	4/12			129/42	154/50		
CH-K-150	1.1KW	4		9.5 : 1	149	180		
	0.75KW	6			99	120		
	0.6/0.3 KW	4/8			149/74	180/90		
	0.6/0.2 KW	4/12			149/49	180/60		
CH-A-200	1.5KW	4		16 : 1	92	110		66
	1.1KW	6			61	73		
	0.75/0.37 KW	4/8			92/46	110/55		
	0.75/0.25 KW	4/12			92/30	110/36		
CH-B-200	1.5KW	4		13.3 : 1	106	129		
	1.1KW	6			70	85		
	0.75/0.37 KW	4/8			106/53	129/64		
	0.75/0.25 KW	4/12			106/32	129/42		
CH-H-200	1.5KW	4		11.4 : 1	129	154		
	1.1KW	6			85	100		
	0.75/0.37 KW	4/8			129/64	154/77		
	0.75/0.25 KW	4/12			129/42	154/50		
CH-K-200	1.5KW	4		9.5 : 1	149	180		
	1.1KW	6			99	120		
	0.75/0.37 KW	4/8			149/74	180/90		
	0.75/0.25 KW	4/12			149/49	180/60		



I.T.S. Crane Geared Motor

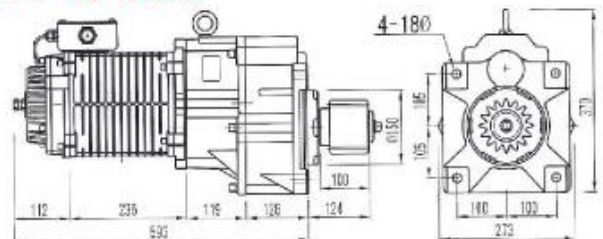
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CH-A-500 / CH-B-500 / CH-H-500 / CH-K-500

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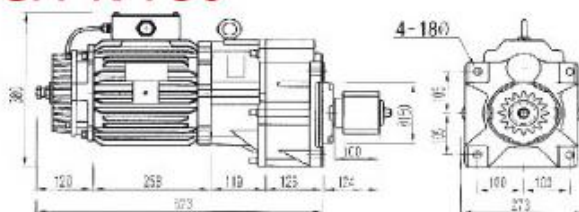


Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-A-300	2.2KW	4	200V-450V	16 : 1	92	110	M3.5 M4 M5 M6	82
	1.5KW	6			61	73		
	1.5/0.75 KW	4/8			92/46	110/55		
	1.5/0.5 KW	4/12			92/30	110/36		
CH-B-300	2.2KW	4		13.3 : 1	106	129		
	1.5KW	6			70	85		
	1.5/0.75 KW	4/8			106/53	129/64		
	1.5/0.5 KW	4/12			106/32	129/42		
CH-H-300	2.2KW	4		11.4 : 1	129	154		
	1.5KW	6			85	100		
	1.5/0.75 KW	4/8			129/64	154/77		
	1.5/0.5 KW	4/12			129/42	154/50		
CH-K-300	2.2KW	4		9.5 : 1	149	180		
	1.5KW	6			99	120		
	1.5/0.75 KW	4/8			149/74	180/90		
	1.5/0.5 KW	4/12			149/49	180/60		
CH-A-500	3.75KW	4		18.5 : 1	80	95	M5 M6	112
	2.2KW	6			53	63		
	2.2/1.1 KW	4/8			80/40	95/47		
	2.2/0.75 KW	4/12			80/26	95/31		
CH-B-500	3.75KW	4		15.3 : 1	93	112		
	2.2KW	6			61	75		
	2.2/1.1 KW	4/8			93/46	112/56		
	2.2/0.75 KW	4/12			93/30	112/37		
CH-H-500	3.75KW	4		12 : 1	123	148		
	2.2KW	6			82	98		
	2.2/1.1 KW	4/8			123/61	148/74		
	2.2/0.75 KW	4/12			123/41	148/49		
CH-K-500	3.75KW	4		10 : 1	143	172		
	2.2KW	6			94	116		
	2.2/1.1 KW	4/8			143/71	172/86		
	2.2/0.75 KW	4/12			143/47	172/58		

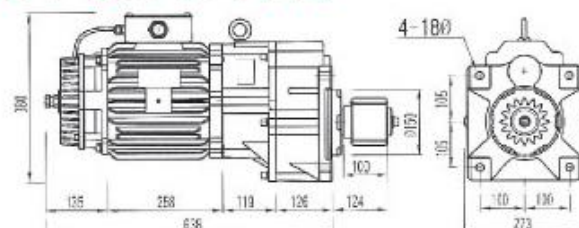


I.T.S. Crane Geared Motor

CH-A-750 / CH-B-750 / CH-H-750 / CH-K-750 (Buffer)



CH-A-1000 / CH-B-1000 / CH-H-1000 / CH-K-1000 (Buffer)



Model	Power (Kw)	Pole	Voltage	Ratio	(Output Speed) RPM		Shaft Module	KG
					50HZ	60HZ		
CH-A-750	5.5KW	4	200V-450V	18.5:1	80	95	M5 M6	140
	3.75KW	6			53	63		
	3/1.5 KW	4/8			80/40	95/47		
	3/1 KW	4/12			80/26	95/31		
CH-B-750	5.5KW	4		15.3:1	93	112		
	3.75KW	6			61	75		
	3/1.5 KW	4/8			93/46	112/56		
	3/1 KW	4/12			93/30	112/37		
CH-H-750	5.5KW	4		12:1	123	148		
	3.75KW	6			82	98		
	3/1.5 KW	4/8			123/61	148/74		
	3/1 KW	4/12			123/41	148/49		
CH-K-750	5.5KW	4		10 : 1	143	172		
	3.75KW	6			94	116		
	3/1.5 KW	4/8			143/71	172/86		
	3/1 KW	4/12			143/47	172/58		
CH-A-1000	7.5KW	4		18.5:1	80	95		147
	5.5KW	6			53	63		
	3.75/1.87 KW	4/8			80/40	95/47		
	3.75/1.25 KW	4/12			80/26	95/31		
CH-B-1000	7.5KW	4		15.3:1	93	112		
	5.5KW	6			61	75		
	3.75/1.87 KW	4/8			93/46	112/56		
	3.75/1.25 KW	4/12			93/30	112/37		
CH-H-1000	7.5KW	4		12:1	123	148		
	5.5KW	6			82	98		
	3.75/1.87 KW	4/8			123/61	148/74		
	3.75/1.25 KW	4/12			123/41	148/49		
CH-K-1000	7.5KW	4		10 : 1	143	172		
	5.5KW	6			94	116		
	3.75/1.87 KW	4/8			143/71	172/86		
	3.75/1.25 KW	4/12			143/47	172/58		



I.T.S. Crane Geared Motor

- 1 ISO, and 3C quality certified.
- 2 Features long service life and high performance.
- 3 Low noise and good heat dissipation.
- 4 High quality FC25 cast iron gearbox with SNCM21 alloy steel gears, ensuring high durability and shock resistance.
- 5 High strength output torque and low backlash motor buffer brake.
- 6 Widely used across many industries.
- 7 Precise speed ratio and smooth transmission.

Crane Geared Motor Exploded Diagram

Related Model :

CH-SI-050

CH-L-050

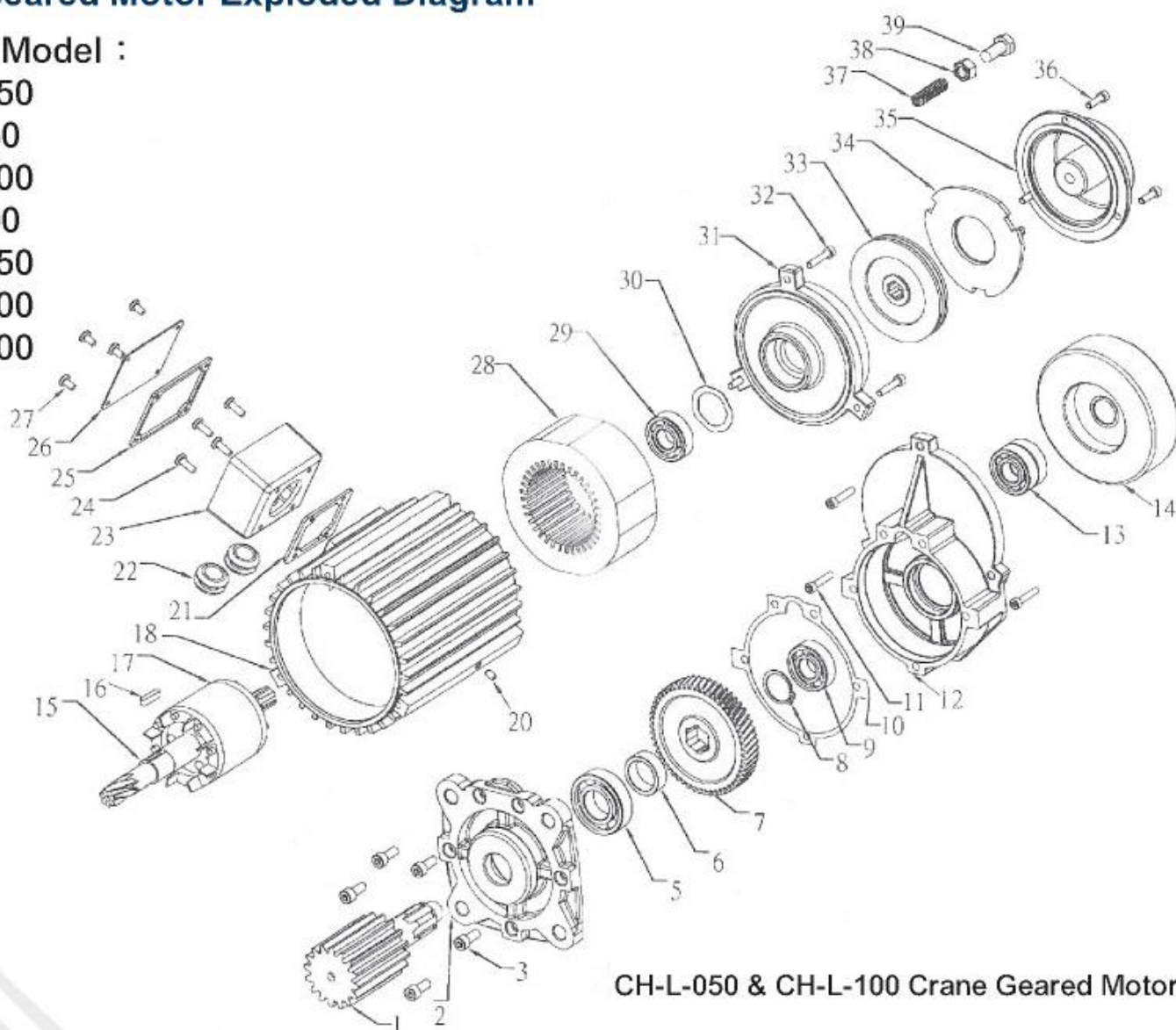
CH-SI-100

CH-L-100

CH-SI-150

CH-SI-200

CH-SI-300

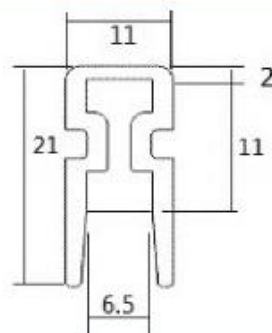


CH-L-050 & CH-L-100 Crane Geared Motor

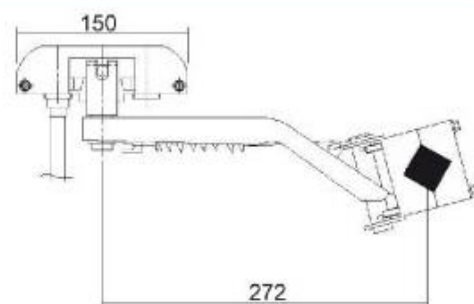


I.T.S. Single Pole Insulated Trolley System

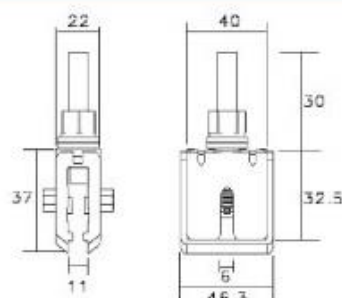
Single Pole Insulated Trolley System	
CH1001	1P200A



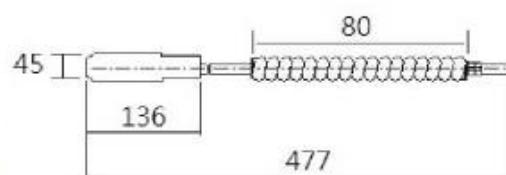
Single Pole Collector	
CH1040	1P100A



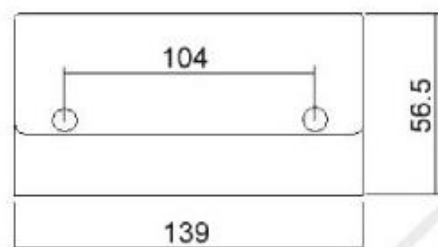
Single Pole Hanger	
CH1020	1P



Single Pole Strainer	
CH1030	1P



Single Pole Joiner	
CH1070	1P



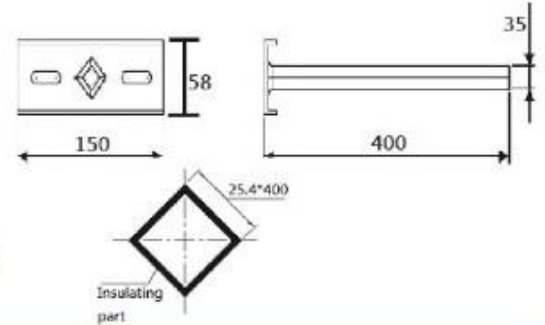


I.T.S. Single Pole Insulated Trolley System

Single Pole Fixed Rod

CH1060

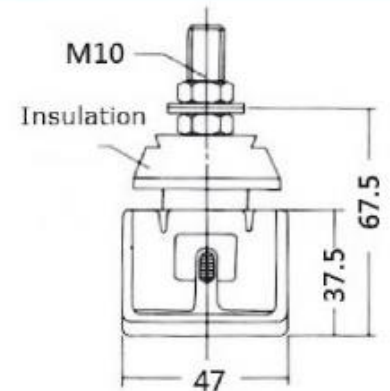
25.4*400mm
Big Size



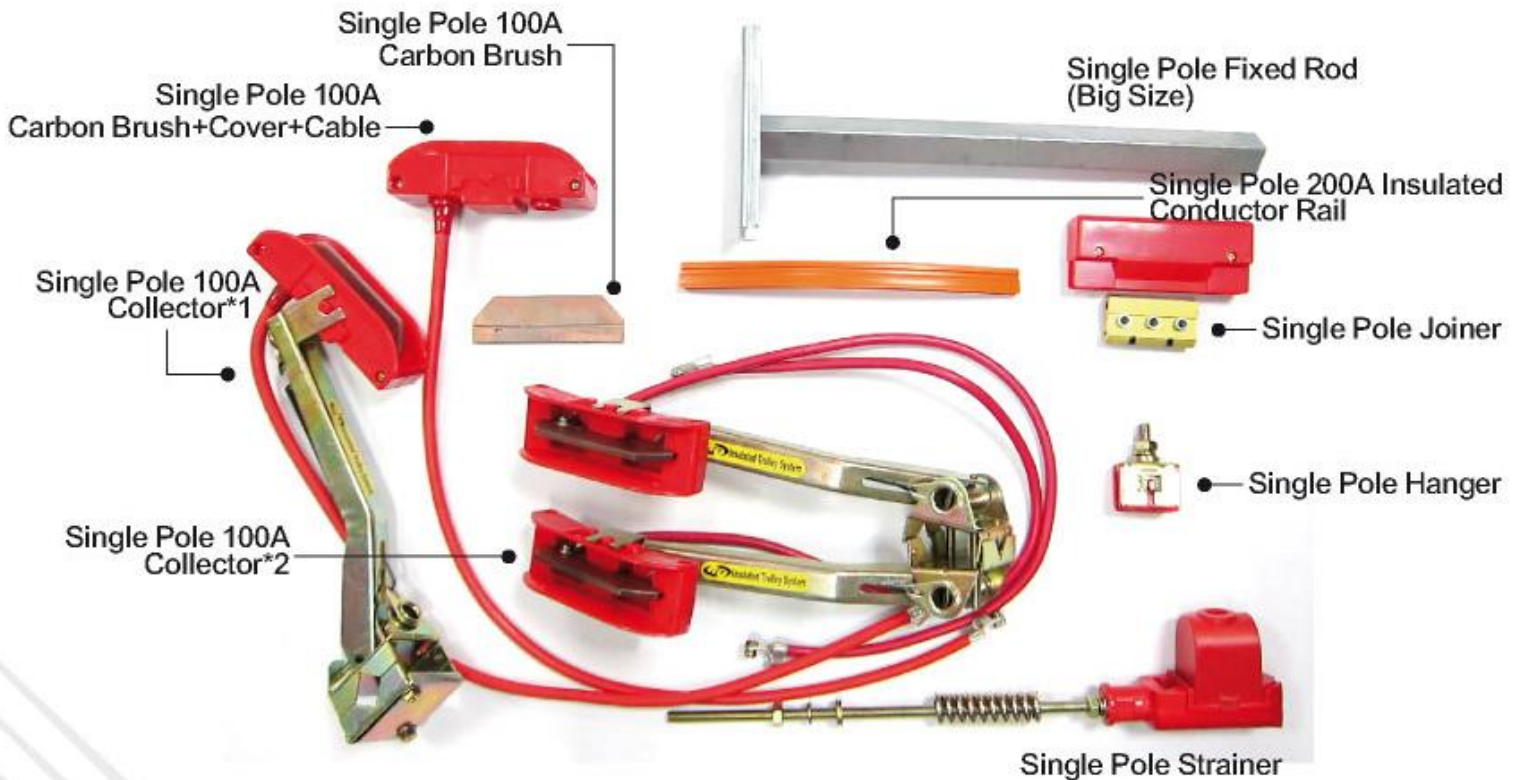
Rainproof Hanger

CH1021

1P



Single Pole Insulated Trolley System Accessories for All



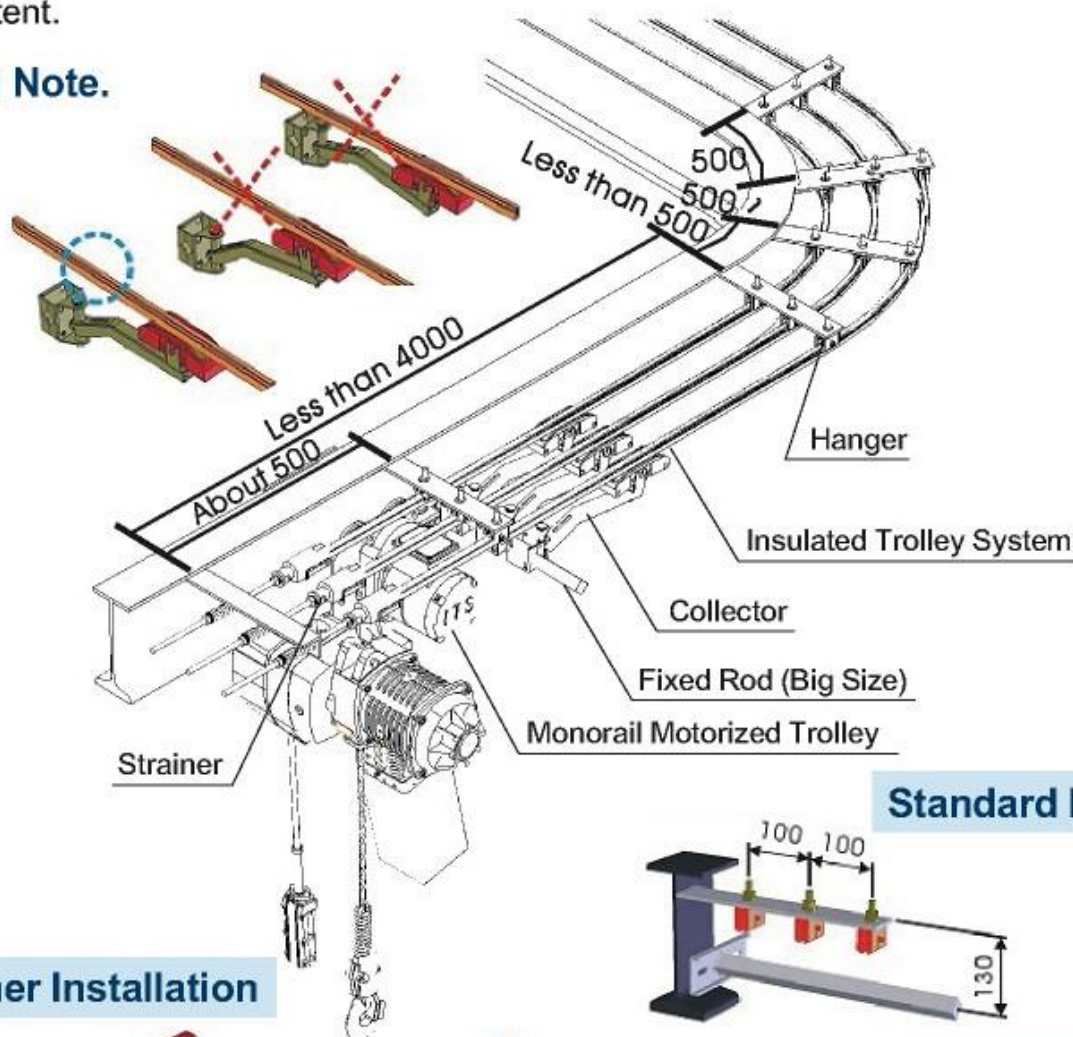


I.T.S. Single Pole Insulated Trolley System

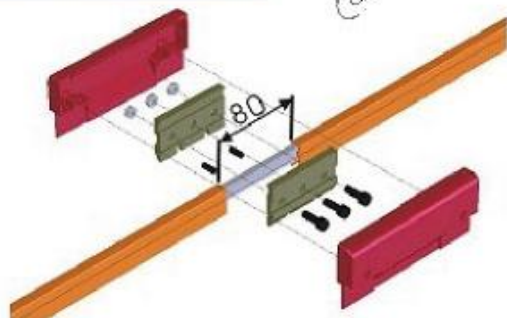
Single Pole Insulated Trolley System Installation Note

- 1 If single pole insulated conductor rails are cambered, lateral installation needs to be adopted.
- 2 Hangers are installed every 0.5 meter from the start point of the turn. For straight sections install a hanger every 1.5 meters.
- 3 When installing single pole insulated conductor rails, 1P strainers must be installed at a height of 5mm above the hanger. This is to prevent water flowing into the power source and causing short circuits.
- 4 Single pole insulated conductor rails are not suitable for use in locations with high acid and alkali content.

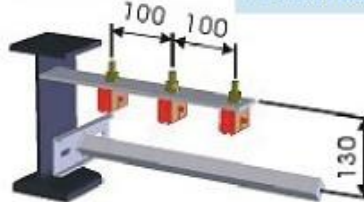
Installation Note.



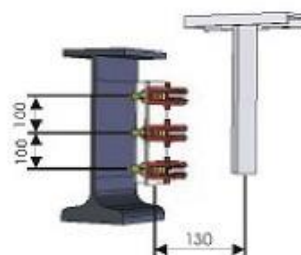
Joiner Installation



Standard Installation



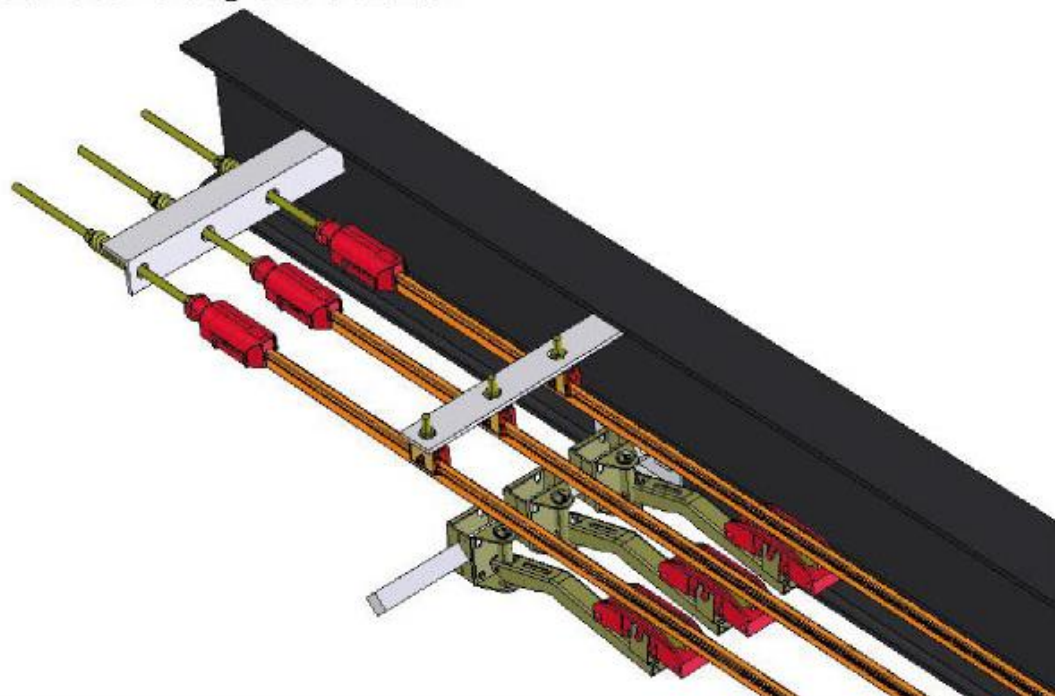
Lateral Installation





I.T.S. Single Pole Insulated Trolley System

- 1 ISO/CE quality certified.
- 2 Contact surface of insulated conductor rail is made from oxyacid free copper, allowing better electrical conduction and corrosion resistance.
- 3 Conductor rail PVC material is supplied by Nan Ya Plastics, Taiwan's No. 1 plastics manufacturer.
*Tough PVC compound is acid, alkali, and voltage resistant.
- 4 Single pole insulated conductor rail can withstand working voltage of 600V and current consumption of 200A, in both indoor and outdoor environments.
- 5 A safe and reliable choice. Also suitable for curved track electric hoists (degree of bending greater than R 1.5m), and circular installation.
- 6 Can be used in a wide range of heavy lifting applications such as bridge cranes, loading bridges, large tonnage gantry cranes, container cranes, overhead cranes etc.
- 7 In addition, it can be widely applied in the automated manufacturing industry, AS/RS systems, monorail systems, data and signal transmission, high-voltage installations, conductor rail trench systems etc.
- 8 Can be mounted on horizontal and vertical rails and can be used with main power or signal current.
- 9 This series can not only be used for short power supply distances; it can also serve as a bus bar to supply power over long distances.
- 10 Conductor rail is heat resistant to 75 degrees Celsius.





I.T.S. 3P,4P,6P Insulated Conductor System

Multiple Insulated Conductor Rail

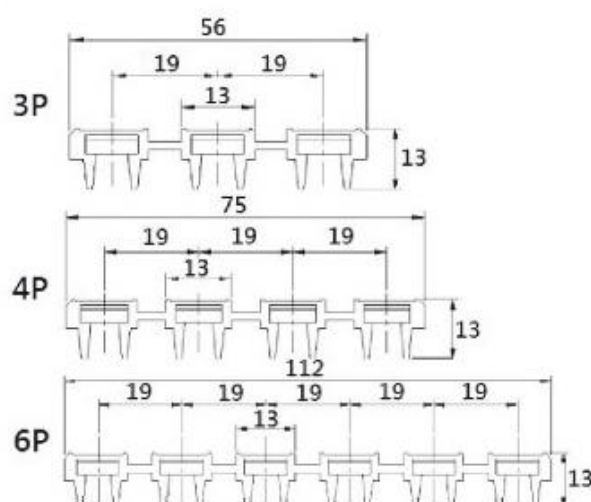
CH3001	3P50A	CH4001	4P75A	CH6003	6P50A
CH3002	3P75A	CH4002	4P100A	CH6001	6P75A
CH3003	3P100A	CH4003	4P150A	CH6002	6P100A
CH3004	3P150A	CH4004	4P200A		
CH3006	3P200A				



6P Multiple Conductor Rails

4P Multiple Conductor Rails

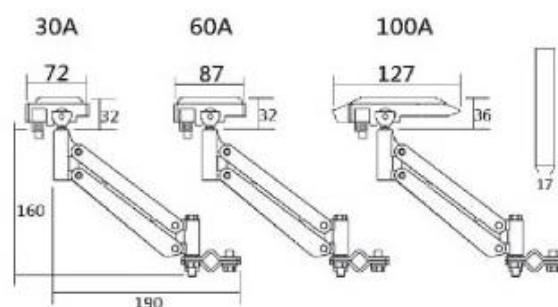
3P Multiple Conductor Rails



30A Collector*3 60A Collector*3 100A Collector*3

30A/60A/100A Collector

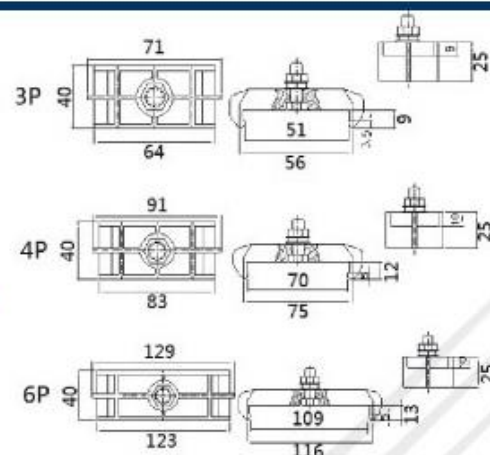
CH3080	30A
CH3040	60A
CH3096	100A



3P/4P/6P Hanger

CH3020	3P
CH4020	4P
CH6020	6P

3P Hanger 4P Hanger 6P Hanger

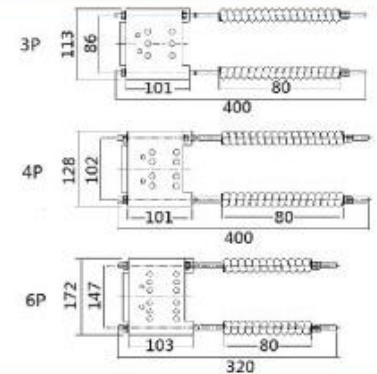




I.T.S. 3P,4P,6P Insulated Conductor System

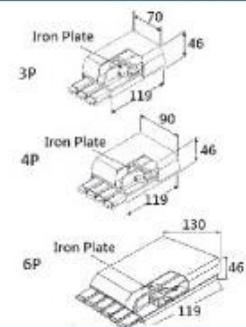
3P/4P/6P Strainer	
CH3030	3P
CH4030	4P
CH6030	6P

3P Strainer 4P Strainer 6P Strainer



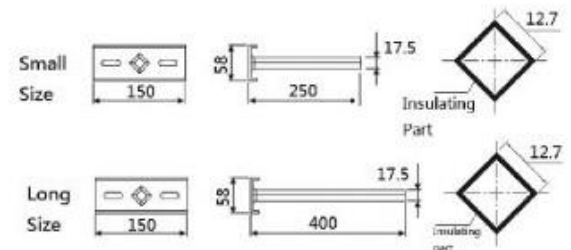
3P/4P/6P Joiner	
CH3070	3P
CH4070	4P
CH6070	6P

3P Joiner 4P Joiner 6P Joiner

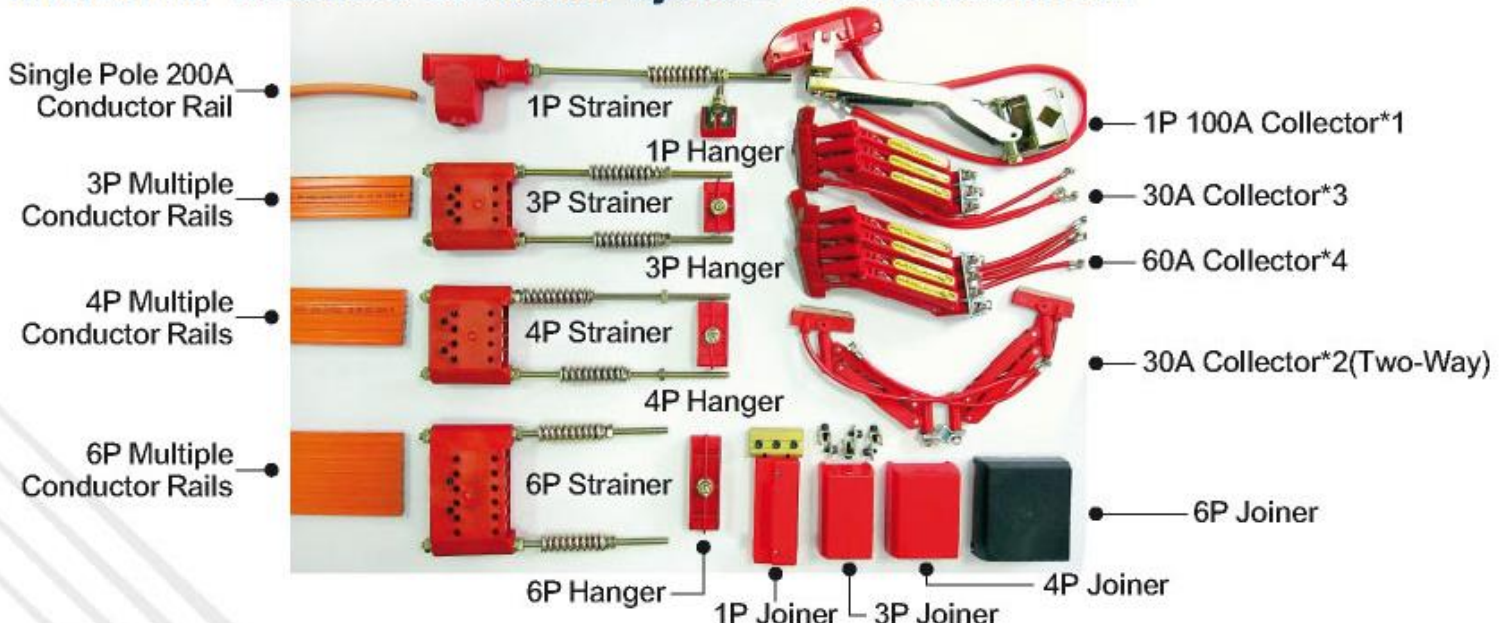


3P/4P/6P Fixed Rod	
CH3060	Fixed Rod (12.7*250mm-Small Size)
CH3061	Fixed Rod (12.7*400mm-Long Size)

Fixed Rod (Long Size) Fixed Rod (Small Size)



1P/3P/4P/6P Insulated Conductor System Accessories for All



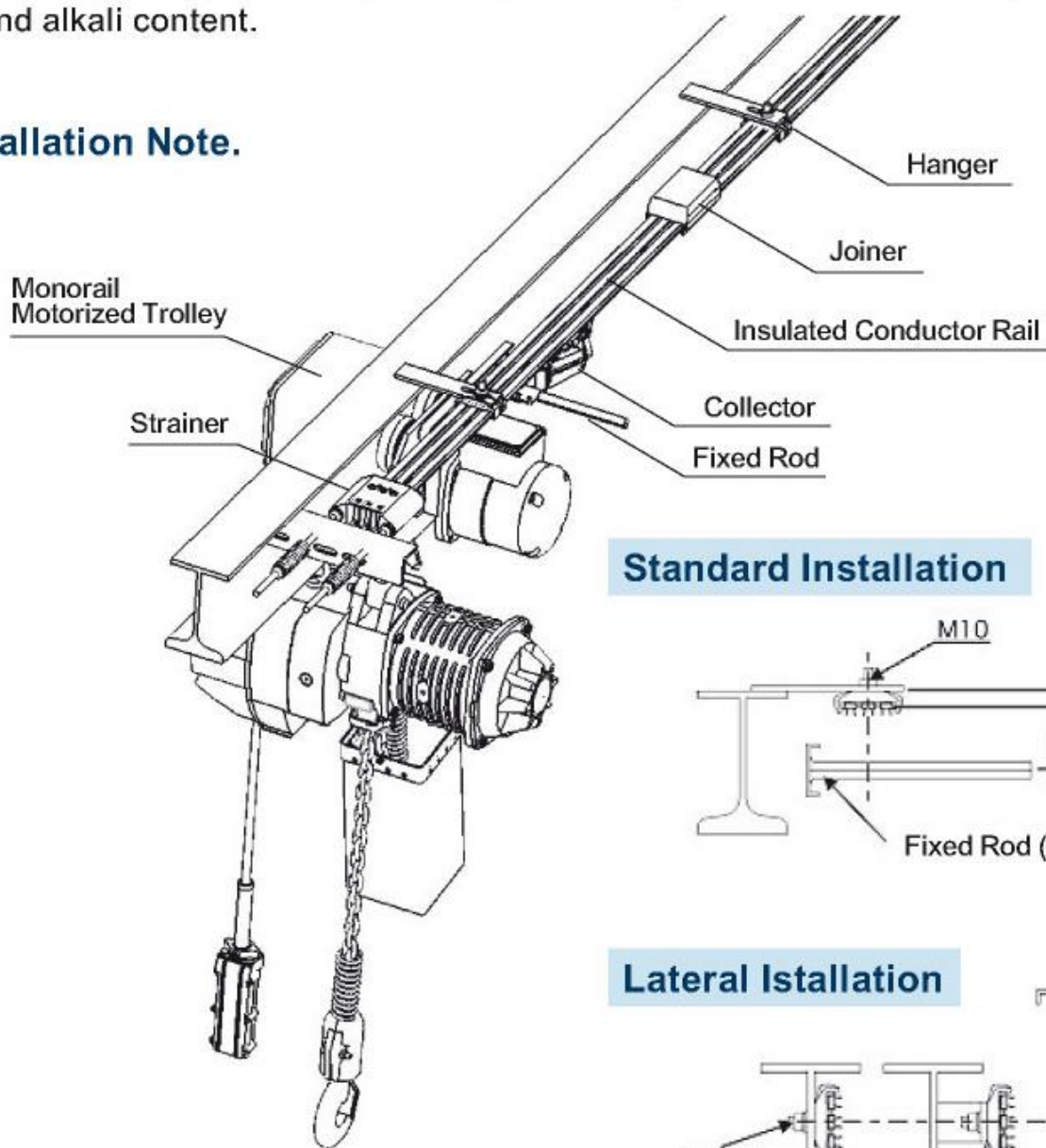


I.T.S. 3P,4P,6P Insulated Conductor System

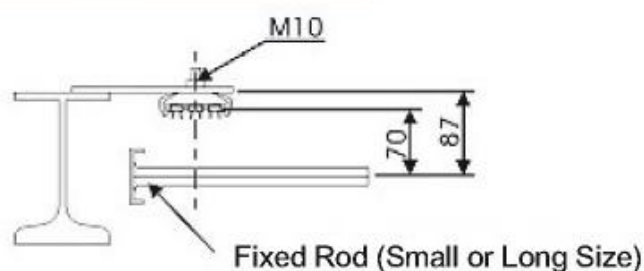
3P,4P,6P Insulated Conductor System Installation Note

- 1 If 3P, 4P, 6P insulated conductor rails are cambered, lateral installation needs to be adopted.
- 2 Hangers are installed every 0.5 meter from the start point of the turn. For straight sections install a hanger every 1.5 meters.
- 3 When installing 3P, 4P, 6P insulated conductor rails, 3P, 4P, 6P strainers must be installed at a height of 5mm above the hanger. This is to prevent water flowing into the power source and causing short circuits.
- 4 3P, 4P, 6P insulated conductor rails are not suitable for use in locations with high acid and alkali content.

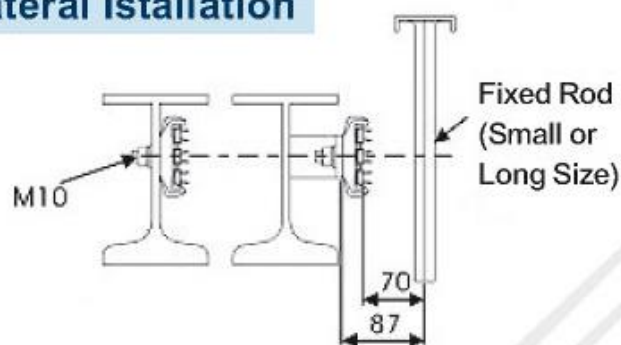
Installation Note.



Standard Installation



Lateral Installation





I.T.S. 3P,4P,6P Insulated Conductor System

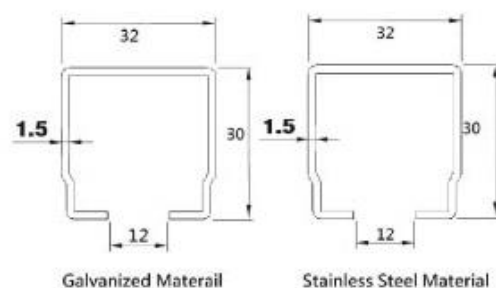
- 1 ISO/CE quality certified conductor systems manufacturer.
- 2 Contact surface of insulated conductor rail is made from oxyacid free copper, allowing better electrical conduction and corrosion resistance.
- 3 Conductor rail PVC material is supplied by Nan Ya Plastics, Taiwan's No. 1 plastics manufacturer.
* Tough PVC compound is acid, alkali, and voltage resistant.
- 4 3P, 4P, 6P insulated conductor rail can withstand working voltage of 600V and current consumption of 200A, in both indoor and outdoor environments.
- 5 A safe and reliable choice. Also suitable for curved track electric hoists (degree of bending greater than R 1.5m), and circular installation.
- 6 Can be used in a wide range of heavy lifting applications such as bridge cranes, loading bridges, large tonnage gantry cranes, container cranes, overhead cranes etc.
- 7 In addition, it can be widely applied in the automated manufacturing industry, AS/RS systems, monorail systems, data and signal transmission, high-voltage installations, conductor rail trench systems etc.
- 8 Can be mounted on horizontal and vertical rails and can be used with main power or signal current.
- 9 This series can not only be used for short power supply distances; it can also serve as a bus bar to supply power over long distances.
- 10 Conductor rail is heat resistant to 75 degrees Celsius.



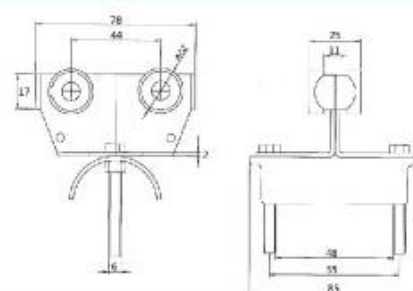


I.T.S. C Rail Festoon System

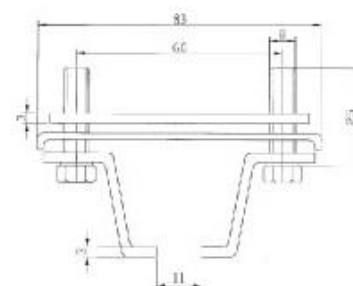
C Rail	
CH2011	Galvanization - 3 MTRS
CH2010	Galvanization - 4 MTRS
CH2201	Stainless Steel - 3 MTRS



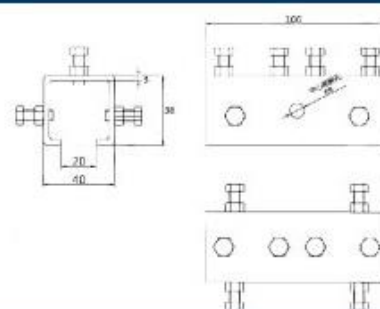
C Cable Trolley	
CH2020	Galvanization
CH2220-1	Stainless Steel



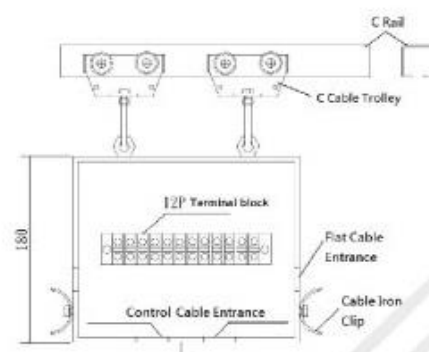
C Hanger	
CH2030	Galvanization
CH2240	Stainless Steel



C Joiner	
CH2040	Galvanization
CH2230	Stainless Steel



C Terminal Box	
CH2050	Galvanization (Include Terminal block)

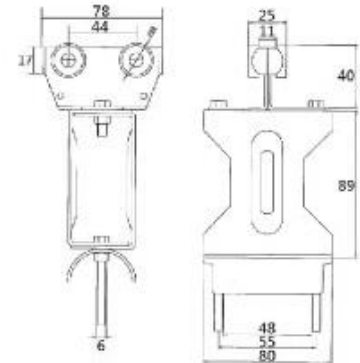




I.T.S. C Rail Festoon System

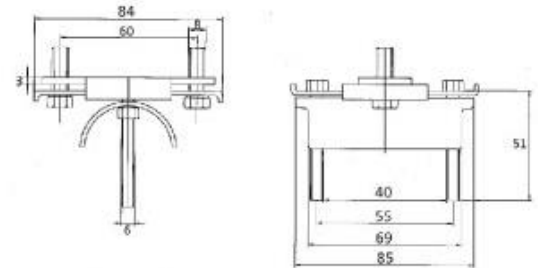
C Towing Trolley

CH2060	Galvanization
CH2250	Stainless Steel



C End Clamp

CH2062	Galvanization
CH2260	Stainless Steel

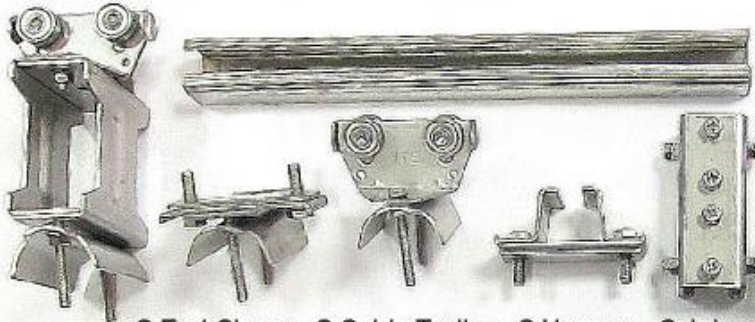


C Rail Festoon System Accessories for All

[Stainless Steel]

C Towing Trolley

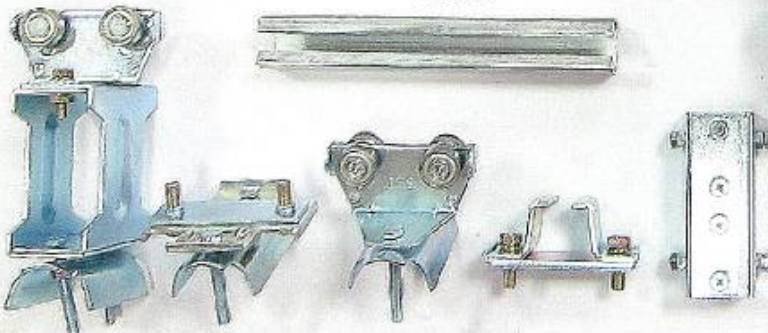
C Rail



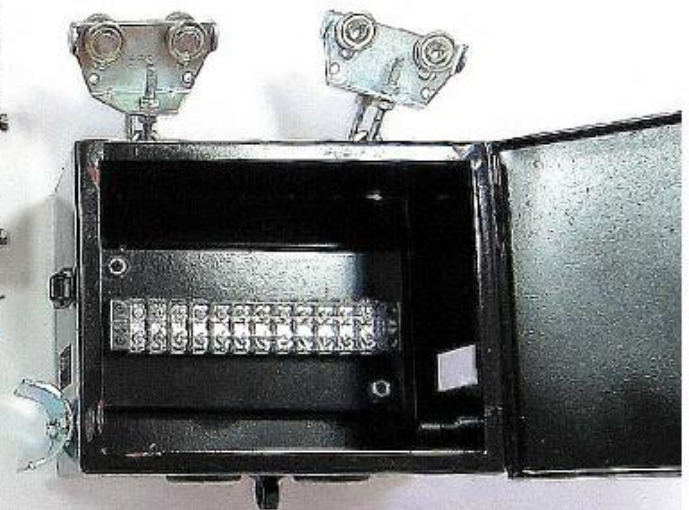
C End Clamp C Cable Trolley C Hanger C Joiner

[Galvanization]

C Rail



C Towing Trolley C End Clamp C Cable Trolley C Hanger C Joiner



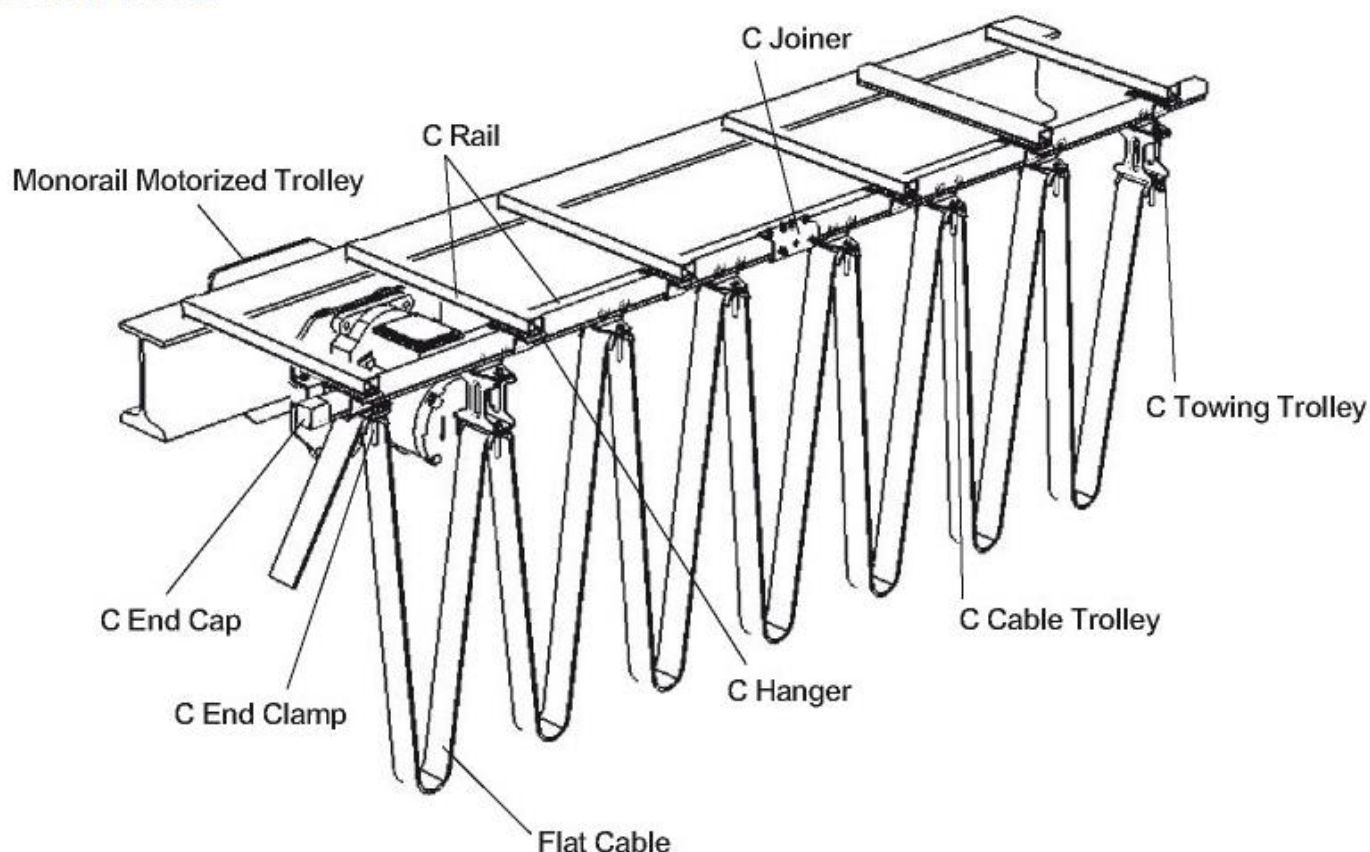
C Terminal Box
(Include Terminal Block)
[Galvanization]



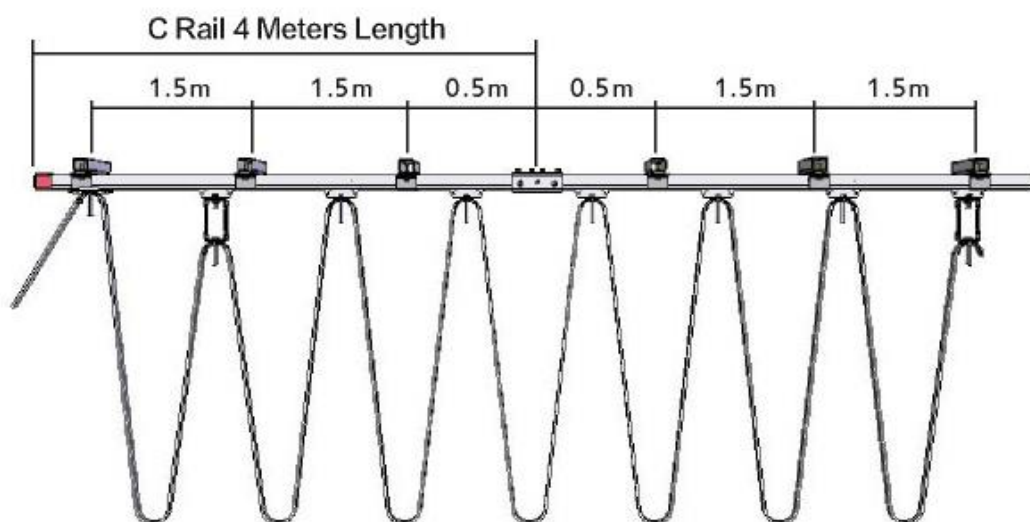
I.T.S. C Rail Festoon System

C Rail Festoon System Installation Note

Installation Note.



Installation Scheme :

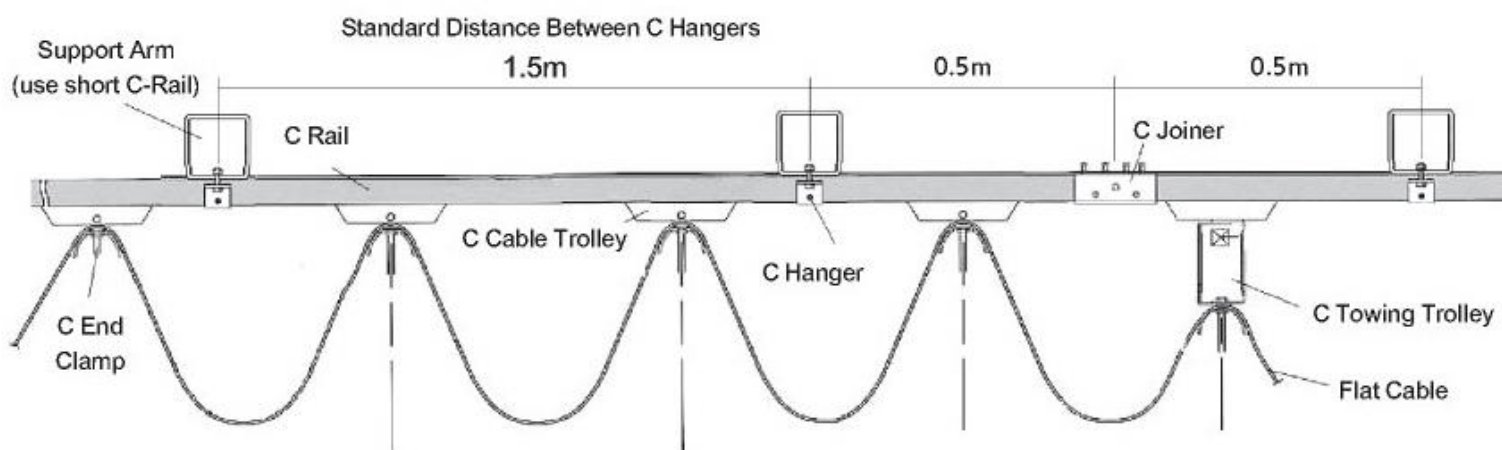




I.T.S. C Rail Festoon System

- 1 ISO quality-certified.
- 2 Taiwan I.T.S. Stainless Steel C Rails are 304 grade with anti-oxidation, anti-acid, and anti-alkaline protection.
- 3 Ball bearing wheels of our Stainless Steel Cable Trolleys are also stainless steel.
- 4 Can be used on overhead bridge cranes, hoists, monorails, and gantry cranes.
- 5 Track is available in convenient lengths, and is easy to connect with simple C Joiner assembly.
- 6 C Rail System Cable Trolleys can support loads of 50 kg. (110 lbs.) each.
- 7 End clamps are suitable for use with both flat and round cable.
- 8 Recommended to mount C Hangers at 1.5 m (5.9 feet) intervals.

C Rail Festoon System Construction



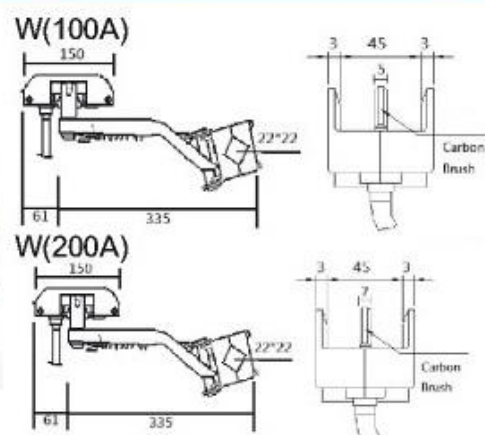


I.T.S. W Bus Bar System 320A & 500A

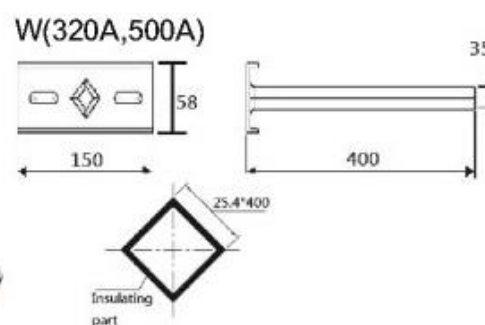
W Bus Bar	
CH7002-2	320A (Copper+Aluminum Material- 4MTRS)
CH7003	320A (Stainless Steel+ Aluminum Material- 4MTRS)
CH7501-2	500A (Stainless Steel+ Aluminum Material- 4MTRS)



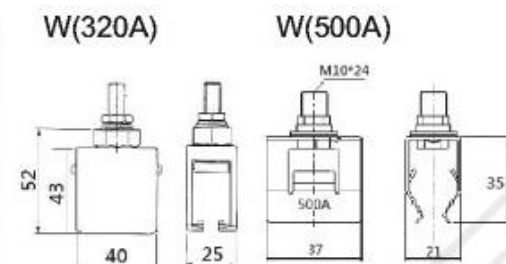
W Collector	
CH7040	100A
CH7504	200A



W Fixed Rod	
CH7060	25.4*400mm Big Size



W Hanger	
CH7020	320A
CH7502	500A

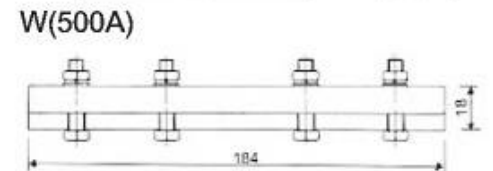
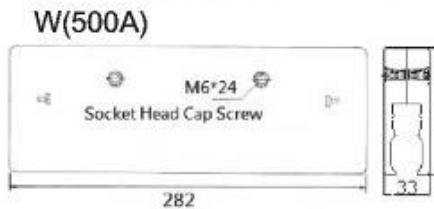
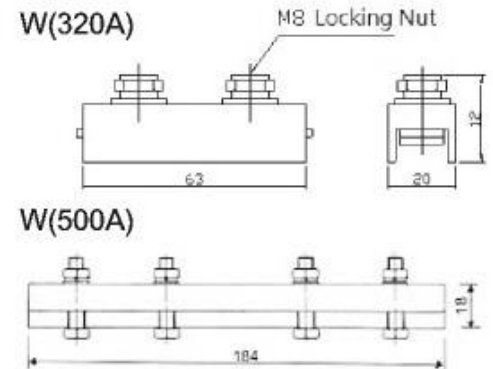
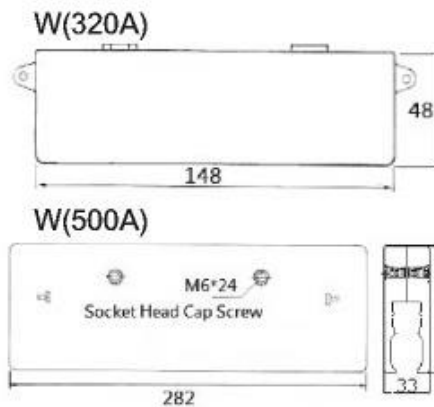




I.T.S. W Bus Bar System 320A & 500A

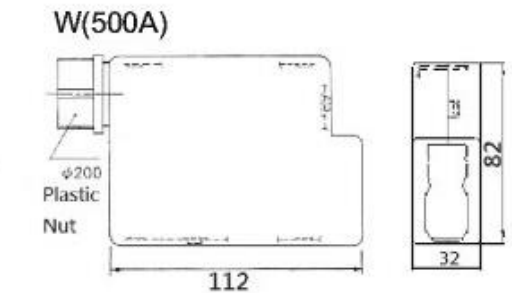
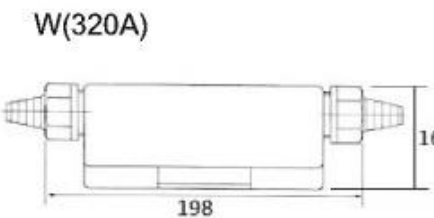
W Connector

CH7030	320A
CH7503	500A



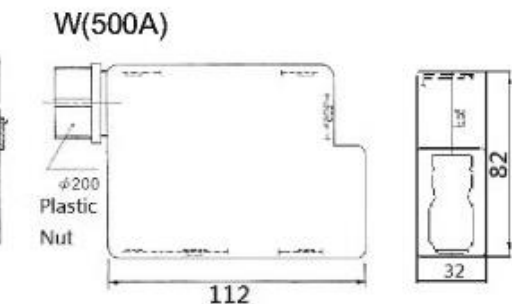
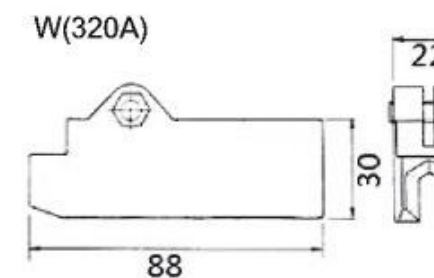
W Power Feed Cover

CH7008	320A
CH7508	500A



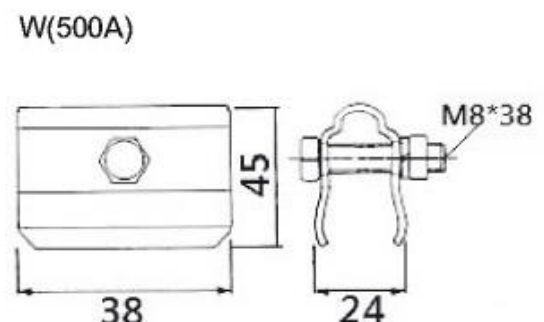
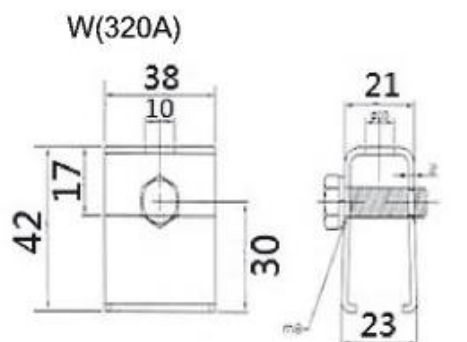
W End Cap

CH7070	320A
CH7506	500A



W Anchor Clamp

CH7090	320A
CH7507	500A





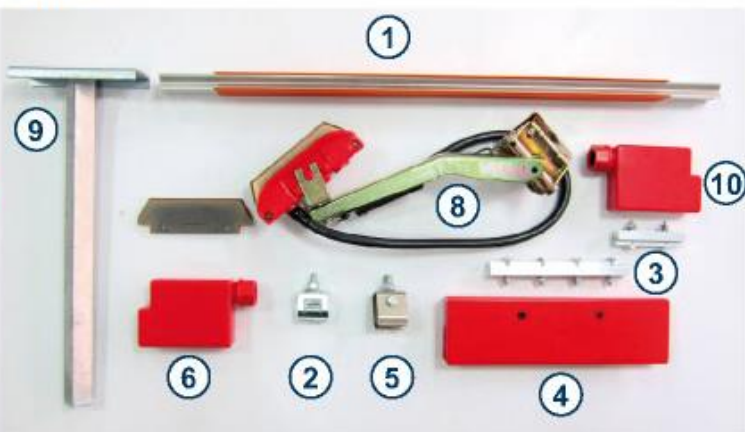
I.T.S. W Bus Bar System 320A & 500A

W Bus Bar System 320A & 500A Accessories for All

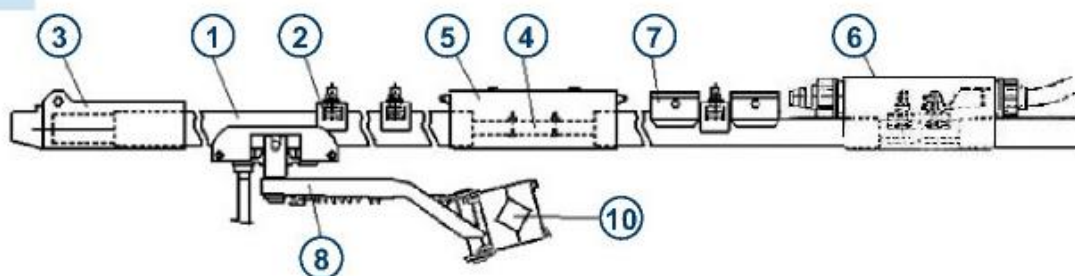
320A



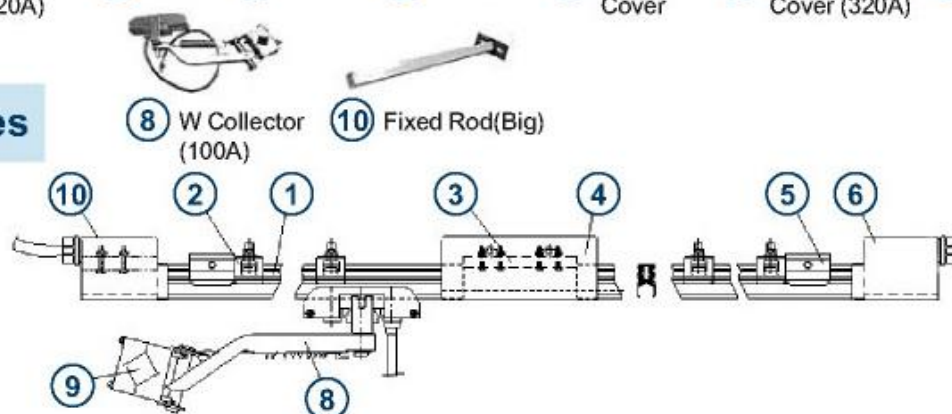
500A



W (320A) Accessories



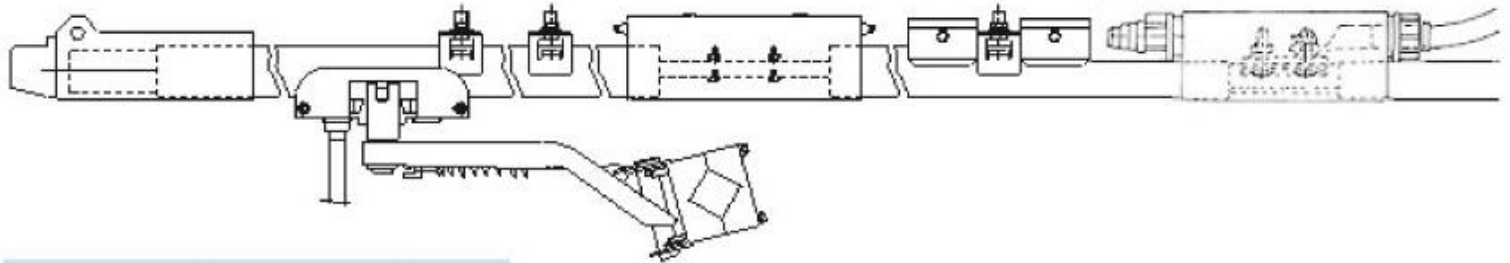
W (500A) Accessories



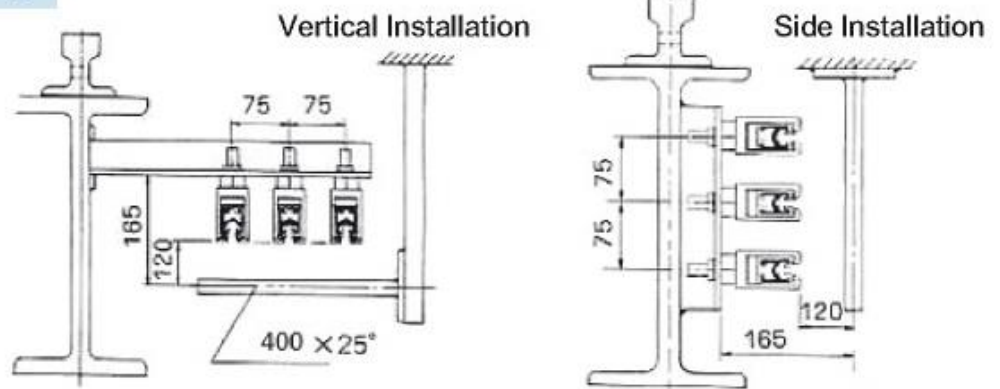


I.T.S. W Bus Bar System 320A & 500A

W Bus Bar System Supports Diagram



W Bus Bar Construction Design



W Collector Brush Installation

Put the collector brush parallel with the bus bar, and fasten it on to the insulating fixed rod.

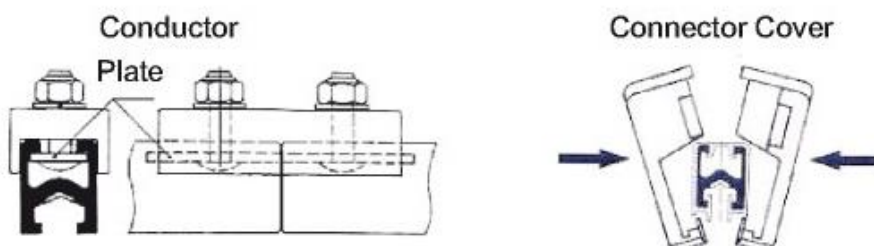
W Hanger Installation

Push the bus bar into the opening of the hanger at a 30 degree angle, and then insert fully.

W Connector & Connector Cover Installation

Connector : Loosen screws on connector and plug into groove on top of bus bar, and then tighten to connect the two bus bars.

Connector Cover : Open the cover, hook from bus bar bottom to top at a 30 degree angle and combine them together.



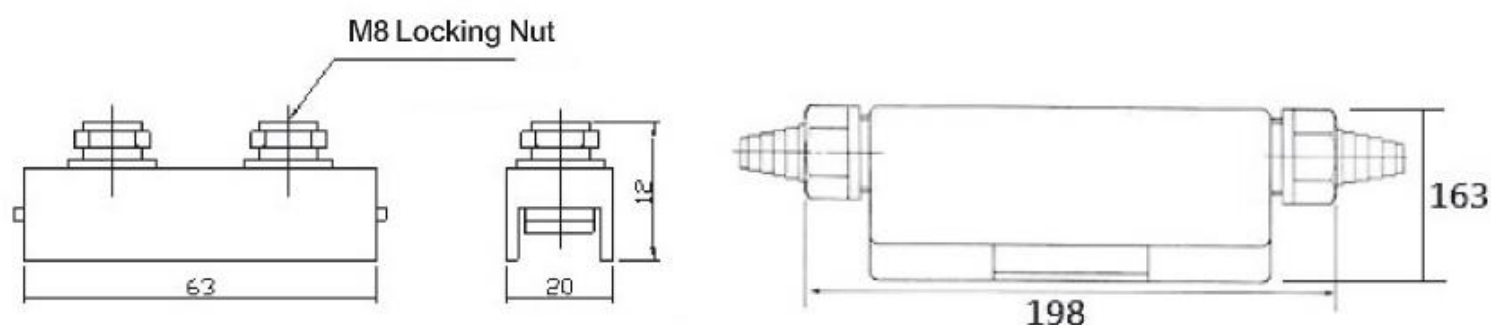


I.T.S. W Bus Bar System 320A & 500A

W Bus Bar System Supports Diagram

W Power Feed Cover Installation

Power Feed Cover : Loosen the plastic nut of the power feed cover, cut out an appropriately sized hole according to power cord diameter, tighten and close the cover



W Anchor Clamp & End Cap Installation

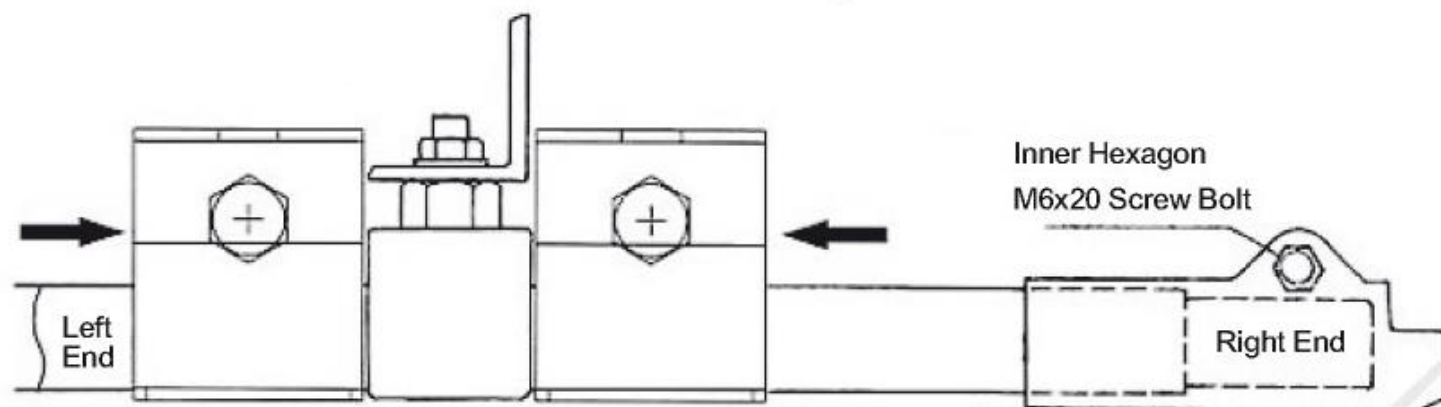
Anchor Clamp :

A-1) Fix two anchor clamps at both ends of the bus bar to double protect the bus bar from moving between the bus bar hangers.

A-2) Fix two end anchor clamps before installing the hangers, then when all hangers are installed lock an M6 inner hexagon screw bolt onto the anchor clamp with a wrench.

End Cap :

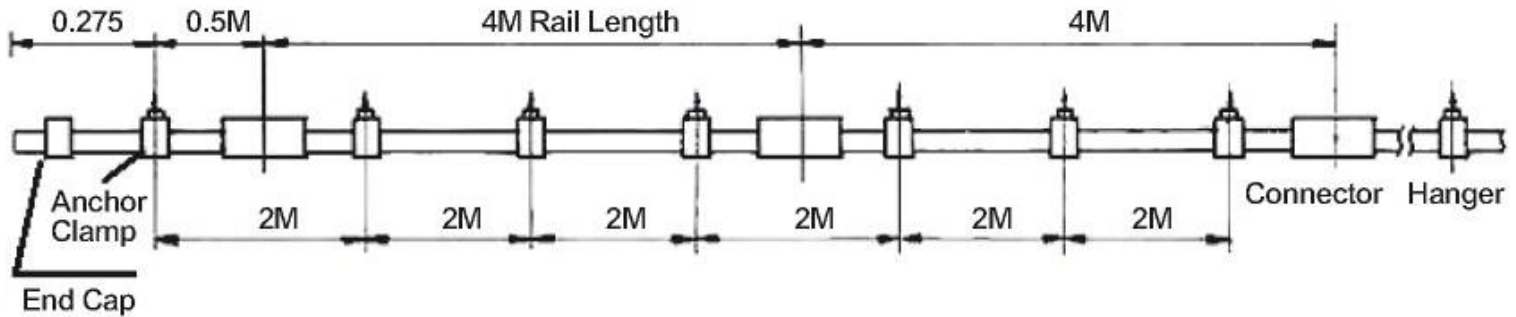
Insert the end cap to the end of the bus bar, and screw in an M6*20 Inner Hexagon Screw Bolt. The end of the bus bar should be 35mm longer than the insulation plastic.





I.T.S. W Bus Bar System 320A & 500A

W Bus Bar System Construction



3 PHASE POWER SUPPLY: BUSBAR SYSTEM ORDER SPECIFICATION

W320 (Conductor Material: Copper)								
Total Length	W Busbar	W Busbar	Connector	Power Feed Cover	End Cap	Anchor Clamp	Collector (100A)	Fixed Rod
Model	CH7002-2	CH7020	CH7030	CH7008	CH7070	CH7090	CH7040	CH7060
30Mtrs	23 pcs	15 pcs	17 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
70Mtrs	53 pcs	35 pcs	47 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
135Mtrs	102 pcs	68 pcs	96 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
300Mtrs	225 pcs	150 pcs	219 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
W500 (Conductor Material: Stainless Steel)								
Total Length	W Busbar	W Busbar	Connector	Power Feed Cover	End Cap	Anchor Clamp	Collector (200A)	Fixed Rod
Model	CH7501-2	CH7502	CH7503	CH7508	CH7506	CH7507	CH7504	CH7060
30Mtrs	23 pcs	15 pcs	17 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
70Mtrs	53 pcs	35 pcs	47 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
135Mtrs	102 pcs	68 pcs	96 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs
300Mtrs	225 pcs	150 pcs	219 pcs	3 pcs	6 pcs	6 pcs	1 SET	1 pcs

4 PHASE POWER SUPPLY: BUSBAR SYSTEM ORDER SPECIFICATION

W320 (Conductor Material: Copper)								
Total Length	W Busbar	W Busbar	Connector	Power Feed Cover	End Cap	Anchor Clamp	Collector (100A)	Fixed Rod
Model	CH7002-2	CH7020	CH7030	CH7008	CH7070	CH7090	CH7040	CH7060
40Mtrs	40 pcs	20 pcs	32 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
80Mtrs	80 pcs	40 pcs	72 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
276Mtrs	276 pcs	138 pcs	268 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
400Mtrs	400 pcs	200 pcs	392 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
W500 (Conductor Material: Stainless Steel)								
Total Length	W Busbar	W Busbar	Connector	Power Feed Cover	End Cap	Anchor Clamp	Collector (200A)	Fixed Rod
Model	CH7501-2	CH7502	CH7503	CH7508	CH7506	CH7507	CH7504	CH7060
40Mtrs	40 pcs	20 pcs	32 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
80Mtrs	80 pcs	40 pcs	72 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
276Mtrs	276 pcs	138 pcs	268 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs
400Mtrs	400 pcs	200 pcs	392 pcs	4 pcs	8 pcs	8 pcs	1 SET	1 pcs



I.T.S. W Bus Bar System 320A & 500A

W Bus Bar

The material is made from aluminum inlay copper. Also is available in aluminum inlay stainless steel, with stainless steel contact surfaces this unit has anti-abrasive and anti-oxidization features, and can be used in a damp environment, ensuring good connectivity and durability. "Λ" type contact surface, with auto-correction for brush travel in groove bed to increase contact area and ensure higher conductivity and smoother running.

W Carbon Brush

Made from specially imported material with excellent conductivity and wear resistance.

W Hanger

Formed with plasticity steel, installed with pressurized clamping directly onto the bus bar, convenient and simple, no need to repeatedly lock screws, saving time.

W Connector

The rail connector is used to join and extend neighboring bus bars. To guarantee proper current transfer at the joints, all contact surfaces should be cleaned and covered with a thin layer of conductive grease. The bus bars are inserted into the connector and positioned so that the rail joint corresponds with the notch of the connector, then tighten the screw so both bus bar

W Power Feed Cover

The power feed cover should be installed as near as possible to the power source during construction. Please note that temperature variations may cause conductor rail expansion, so leave a space of 20mm between power feed cover and hanger.

W End Cap

W End Caps are used for protection of rail ends. Before mounting an end cap clean the rail end with a steel brush and push the end cap all the way into the conductor rail with gentle hammer strikes, then tighten with M6*20 Inner Hexagon Screw Bolts.

W Anchor Clamp

Two anchor clamps should be fixed on both ends of the bus bar to protect the bus bar from moving between the bus bar hangers.



I.T.S. Hoist Pendant Control



- 1 ISO quality certified.
- 2 Our pendant stations are not only used for crane applications, but can also be utilized in the control of other types of motors and electrical mechanical machines.
- 3 I.T.S. series hoist pendant controls are water and dust resistant and are also suitable for outdoor application.
- 4 We adopt only Taiwan-made silver contacts that can endure high current and also feature outstanding conductivity.
- 5 With a unique mechanical interlock and circuit interlock design that helps prevent short-circuits and ensures safety.
- 6 High mechanical strength, shock resistant, complete structure, safe and reliable.
- 7 Our pendant controls are competitively priced and also have long service lives.
- 8 For use with maximum power rating of 15A.
- 9 Taiwan I.T.S. pendant controls can be customized with different options such as emergency stop button, on/off push button switch, twist button, key switch, red indicator lamp and so on.

I.T.S. Hoist Pendant Control: Common Type

Model	Name	Total Buttons	Description
CH0061	COB 61	2	Indirect Operation, S- 2 Buttons
CH0062	COB 62	4	Indirect Operation, S- 4 Buttons
CH0063	COB 63	6	Indirect Operation, S- 6 Buttons
CH0064	COB 64	8	Indirect Operation, S- 8 Buttons
CH0064N	COB 64N	8	Indirect Operation, On/Off- 2 Buttons+ S- 6 Buttons
CH0021	COB 21	2	Direct Operation, S- 2 Buttons
CH0022	COB 22	4	Direct Operation, S- 4 Buttons
CH0023	COB 23	6	Direct Operation, S- 6 Buttons
CH0213	COB 213	2	Direct Operation, Single Phase, S- 2 Buttons
CH0216	COB 213A	2	Direct Operation, DC current motor use- 2 Buttons



I.T.S. Hoist Pendant Control



I.T.S. Hoist Pendant Control: Multi-functional Type

Model	Name	Total Buttons	Description
CH0001	COB 121-1	2	D- 2 Buttons
CH0002	COB 122	4	S- 4 Buttons
CH0003	COB 122-1	4	D- 2 Buttons + S- 2 Buttons
CH0004	COB 122N	4	Power On/Off- 2 Buttons+ S- 2 Buttons
CH0005	COB 122-2	4	D- 4 Buttons
CH0006	COB 123	6	S- 6 Buttons
CH0007	COB 123-1	6	D-2 Buttons + S- 4 Buttons
CH0008	COB 123-2	6	D- 4 Buttons + S- 2 Buttons
CH0009	COB 123-3	6	D- 6 Buttons
CH0010	COB 123N	6	Power On/ Off- 2 Buttons + S- 4 Buttons
CH0011	COB 124	8	S- 8 Buttons
CH0012	COB 124N	8	Power On/ Off- 2 Buttons + S- 6 Buttons
CH0013	COB 124-1	8	D- 2 Buttons + S- 6 Buttons
CH0014	COB 124-2	8	D- 4 Buttons + S- 4 Buttons
CH0015	COB 124-3	8	D- 6 Buttons + S- 2 Buttons
CH0016	COB 124-4	8	D- 8 Buttons
CH0012-5	COB 124S	8	Emergency Stop - 1 Button + S- 6 Buttons
CH0071	COB 125	10	Single Speed- 10 Buttons
CH0072	COB 125N	10	Power On/ Off- 2 Buttons + S- 8 Buttons
CH0073	COB 125-1	10	D- 2 Buttons + S- 8 Buttons
CH0074	COB 125-2	10	D- 4 Buttons + S- 6 Buttons
CH0075	COB 125-3	10	D- 6 Buttons + S- 4 Buttons

*S: Single Speed (1-step), D: Dual Speed (2-step)

*Above is our standard model, and all of I.T.S. pendant controls can be customized by buyer.



I.T.S. Crane Accessories

Slip Ring

(Custom-made)



Slip Ring

(Custom-made)



Remote Control

CH0130B



Manual Trolley

CHAIO-4



I-beam Cable Carrier

CH2090-1



Curved I-beam Cable Carrier

CH2090-2



Iron Cable Trolley

CH2071



Plastic Cable Trolley

CH2070



Bare Copper Cable Collector

CH3093



Crane Contactor Control Box

(CU-11*4: 220V) CHAIO-716



Soft Start Motor Controller

(5HP- 380V) DD0008



Soft Start Motor Controller

(7.5HP- 380V) DD0009







Chiao Huen Machinery Co., Ltd.



Electric
Chain Hoist



Monorail
Motorized Trolley



Electric Wire
Rope Hoist



Crane Geared
Motor



Insulated
Conductor Rail



Hoist Control
Switch

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Dealer