



Plain Trolley



Low Headroom Plain Trolley



Low Headroom
Geared Trolley



Rigid Top Hook

- * Load spectrum conforms to **FEM 2m / ISO M5** covering a wide range of applications.
- * Speed ratio of 4:1 clearly delineates between high speed and low speed, providing the **precise load spotting capacities** required in many applications.
- * **48V control voltage** for operator safety.
- * The **rugged aluminum alloy casting** is engineered to withstand the rigors of repeated lifting cycles.
- * Standard suspensions include Plain Trolley (**PT**), Low headroom Plain Trolley (**LPT**), Low headroom Geared Trolley (**LGT**) and motorized Trolley.

GRAND ASIA MACHINERY INDUSTRY (KUNSHAN) CO., LTD.

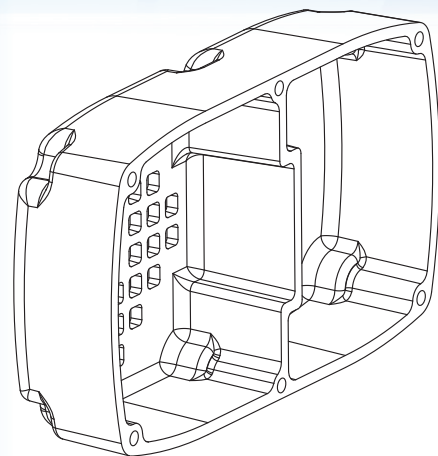
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- Revision of June, 2011 (Edition No.8) #950152
- No further notice while sizes and dimensions update : Quotations are based on practical dimensions.
- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects.

The New Generation



ELECTRIC CHAIN HOIST



MOTOR AND BRAKE

- * Cooling fins around motor permits 40% duty cycle.
- * Total enclosed construction, withstands harsh conditions like those found in chemical, and electroplating environments.
- * Standard IP54 enclosure; motor winding with class F insulation and thermal protection.
- * Brake automatically engages in the event of a power failure.
- * Long life asbestos free brake material.

Limit Switch

- * Upper and lower electrical limit switch.

LOAD CHAIN

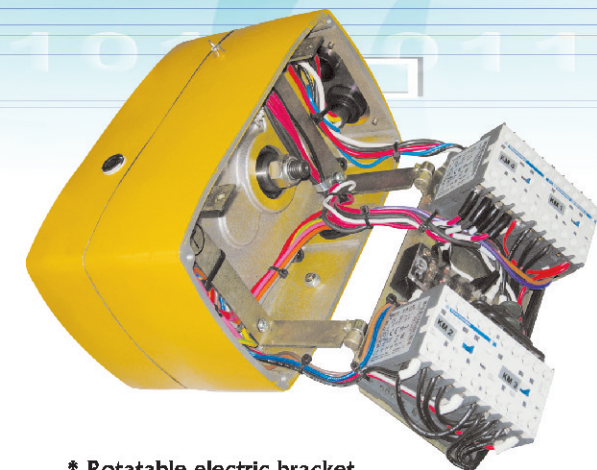
- * Grade 80 hardened and galvanized alloy steel chain, endures harsh conditions such as rain, saltwater and chemicals with minimal wear.

Hook

- * Hot forged from high tensile steel.
- * 360 degree rotation.

OVERLOAD PROTECTION

- * A slip clutch prevents the damage due to overloading.



- * Rotatable electric bracket assembly for easy maintenance and inspection.

MAGNETIC CONTACTOR

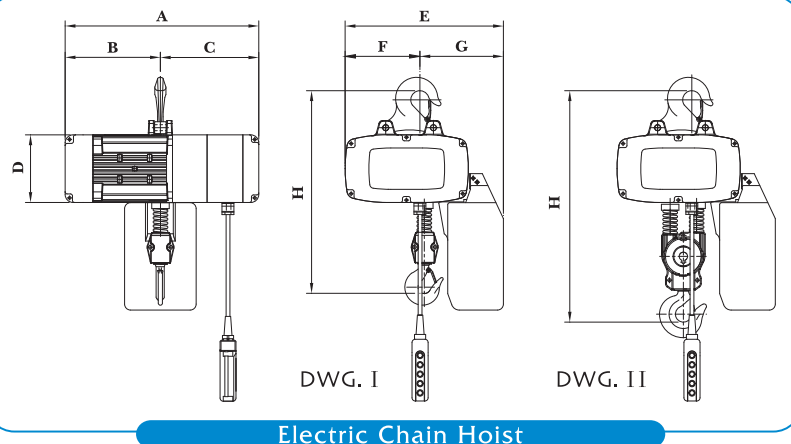
- * High performance fuse circuit breakers.

PENDANT STATION

- * High protection grade IP65, fully water-proof, insulated, and impact resistant.

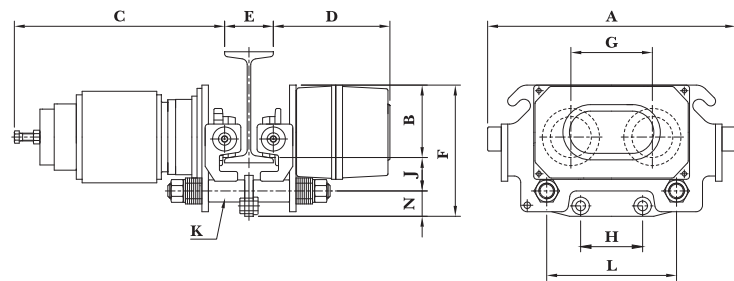
* Available with 2 or 4 buttons, plus standard emergency stop.

* Optional radio control available.



Electric Chain Hoist

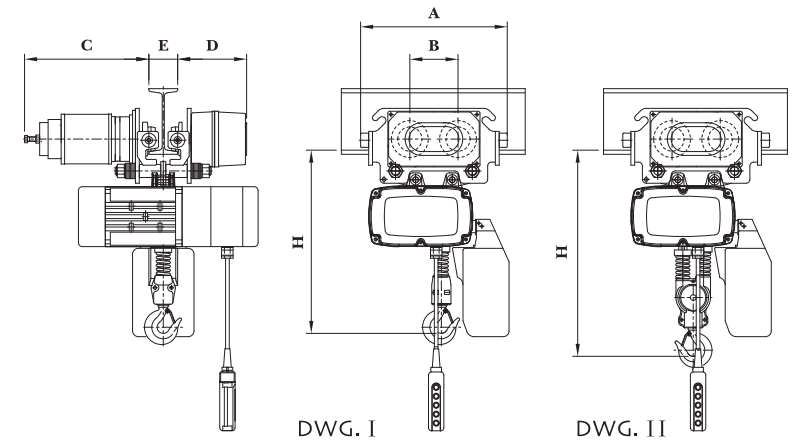
Model	S.W.L (kg)	STD. Lift Height (m)	DWG.	Dimensions(mm)								Load Chain Dia X pitch (mm)	Hoisting		Traversing		E.D. Rating (%)	Load Chain Fall No.	N.W./G.W. (kg)
				A	B	C	D	E	F	G	H		Speed (m/min) 50Hz	Motor Power (kW) (Pole) 60Hz	Speed (m/min) 50Hz	Motor Power (kW) (Pole) 60Hz			
NHD-025-1	250	3	I	380	175	205	135	299	143	156	376	Φ 4.0 X 12.0	12/3	0.6/0.15 2/8P	20/5	0.12/0.03 2/8P	40/20	1	30/32
NHD-050-2	500		II								453		6/1.5	0.6/0.15 2/8P	20/5	0.12/0.03 2/8P		2	32/34
NHD-050-1	500	3	I	468	221	247	156	366	186	180	485	Φ 6.3 X 19.1	10/2.5	1.1/0.28 2/8P	20/5	0.18/0.04 2/8P	40/20	1	42/44
NHD-100-2	1000		II								531		5/1.25	1.1/0.28 2/8P	20/5	0.18/0.04 2/8P		2	45/47
NHD-100-1	1000	3	I	488	240	248	170	398	188	210	520	Φ 7.1 X 20.2	8/2	1.5/0.37 2/8P	20/5	0.37/0.09 2/8P	40/20	1	57/60
NHD-200-2	2000		II								592		4/1	1.5/0.37 2/8P	20/5	0.37/0.09 2/8P		2	62/65



Motorized NT(D) Trolley

Model	Dimensions(mm)												Speed (m/min)		Motor (kw)	N.W./G.W (kg)	Min radius of curve(m)
	A	B	C	D	E	F	G	H	L	J	N	K	50Hz	60Hz			
NT-050-1	382	111.5	324	180	75~125	202	125.5	95.5	200	51.5	39	7/8"-9UNC (Φ 22.2)	20	24	0.12 2P	45/47	1.3
NTD-050-1													20/5	24/6	0.12/0.03 2/8P		
NT-050-2	382	111.5	324	180	75~125	204	125.5	120	200	51.5	41	7/8"-9UNC (Φ 22.2)	20	24	0.12 2P	45/47	1.3
NTD-050-2													20/5	24/6	0.12/0.03 2/8P		
NT-100-1	382	111.5	324	180	75~125	202	125.5	120	200	51.5	39	7/8"-9UNC (Φ 22.2)	20	24	0.18 2P	45/47	1.3
NTD-100-1													20/5	24/6	0.18/0.04 2/8P		
NT-100-2	382	111.5	324	180	75~125	202	125.5	95.5	200	51.5	39	7/8"-9UNC (Φ 22.2)	20	24	0.18 2P	45/47	1.3
NTD-100-2													20/5	24/6	0.18/0.04 2/8P		
NT-200-2	392	125	357	183	100~150	221	159	120	230	60	36	1"-8UNC (Φ 25.4)	20	24	0.37 2P	50/52	1.7
NTD-200-2													20/5	24/6	0.37/0.09 2/8P		

*Different Flange Width options available on request. Maximun:300mm.



Hoist With Motorized NTD Trolley

Hoist Model	DWG.	Dimensions(mm)					
		A	B	C	D	E	H
NHD-025-1+NTD-050-2	I	382	125.5	324	180	75~125	385
NHD-050-2+NTD-050-2	II						462
NHD-050-1+NTD-050-1	I	382	125.5	324	180	75~125	483
NHD-100-2+NTD-100-2	II						542
NHD-100-1+NTD-100-1	I	382	125.5	324	180	75~125	510
NHD-200-2+NTD-200-2	II	392	159	357	183	100~150	582

CHAIN BUCKET NO. SELECTION TABLE

MODEL	CHAIN	LIFT										
		3M	4M	5M	6M	7M	8M	9M	10M	11M	12M	13M
NHD-025-1	Φ 4X12	NH1#				NH2#						NH5#
NHD-050-2	Φ 4X12	NH1#	NH2#			NH5#			NH6#			
NHD-050-1	Φ 6.3X19.1	NH2#				NH3#-1		NH4#-1				NH7#
NHD-100-2	Φ 6.3X19.1	NH2#	NH3#-1	NH4#-1		NH7#			NH8#			
NHD-100-1	Φ 7.1X20.2	NH3#				NH4#						NH9#
NHD-200-2	Φ 7.1X20.2	NH3#	NH4#			NH9#			NH10#			

*Remember to change bucket if the length of chain increased.

*Maximun lift height : 50M

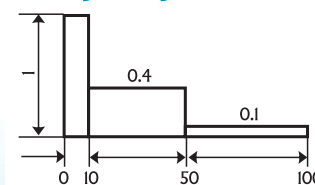
Bucket Size

Bucket No.	Bucket Size (mm)
NH1#	90X130X245
NH2#	120X160X230
NH3#	140X280X270
NH3#-1	
NH4#	180X250X320
NH4#-1	
NH5#	120X160X280
NH6#	130X170X340
NH7#	160X230X410
NH8#	180X240X450
NH9#	170X250X460
NH10#	180X260X500

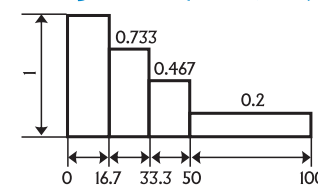
Hoist Classification

Load Spectrum	Cubic mean value	Avg. daily operating time (hr)	0.25<X≤0.5	0.5<X≤1	1<X≤2	2<X≤4	4<X≤8	8<X≤16
			400<X≤800	800<X≤1600	1600<X≤3200	3200<X≤6300	6300<X≤12500	12500<X≤25000
1 Light	K≤0.50	When normally working with approx. 1/3 of W.L.L. and are rarely with W.L.L.	1Dm	1Cm	1Bm	1Am	2m	3m
2 Medium	0.50<K≤0.63	When normally working with approx. 1/3 to 2/3 of W.L.L. and sometimes with W.L.L.	1Cm	1Bm	1Am	2m	3m	4m
3 Heavy	0.63<K≤0.80	When normally working with approx. 2/3 of W.L.L. and often with W.L.L.	1Bm	1Am	2m	3m	4m	5m
4 Very Heavy	0.80<K≤1.00	When normally working with W.L.L. or near W.L.L.	1Am	2m	3m	4m	5m	6m

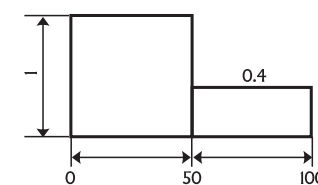
*Design for grade 2m in the FEM Regulation (FEM 9.511)



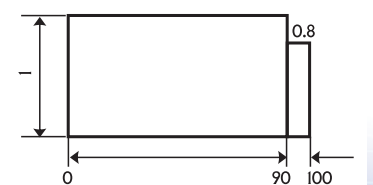
% operating time Load spectrum 1



% operating time Load spectrum 2



% operating time Load spectrum 3



% operating time Load spectrum 4