



Hand Chain Hoist & Lever Hoist



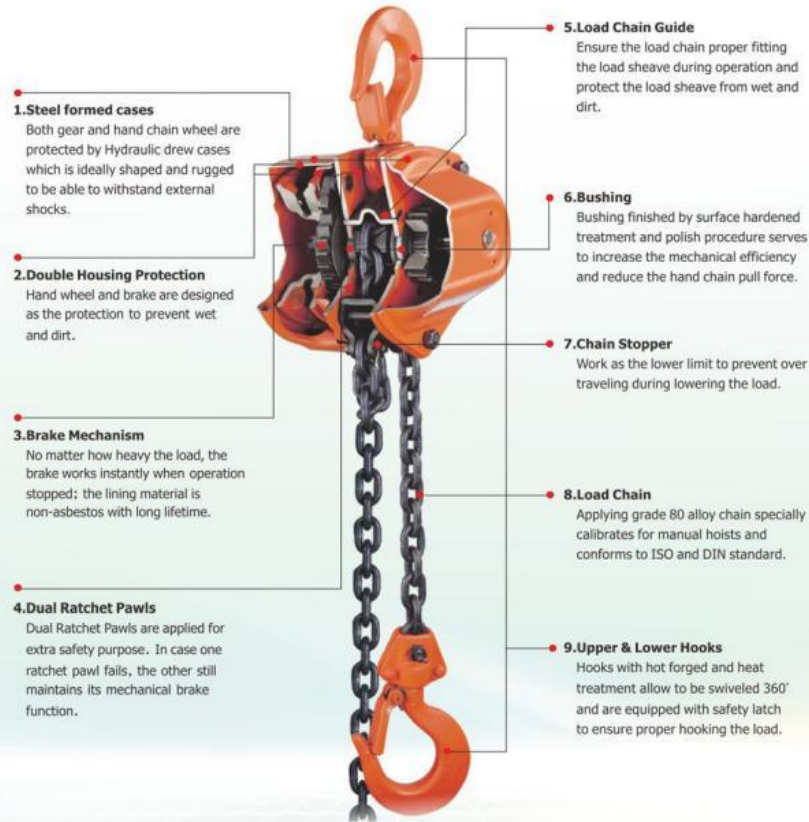
TAIWAN : HOITECH MACHINERY INDUSTRIAL CO., LTD
VIETNAM : QUANG LIEN CRANE ELEVATOR CO., LTD.



HAND CHAIN HOIST

Hand Chain Hoist Series

CHENG DAY MACHINERY WORKS CO.,LTD.



1. Steel formed cases

Both gear and hand chain wheel are protected by Hydraulic drew cases which is ideally shaped and rugged to be able to withstand external shocks.

2. Double Housing Protection

Hand wheel and brake are designed as the protection to prevent wet and dirt.

3. Brake Mechanism

No matter how heavy the load, the brake works instantly when operation stopped; the lining material is non-asbestos with long lifetime.

4. Dual Ratchet Pawls

Dual Ratchet Pawls are applied for extra safety purpose. In case one ratchet pawl fails, the other still maintains its mechanical brake function.

5. Load Chain Guide

Ensure the load chain proper fitting the load sheave during operation and protect the load sheave from wet and dirt.

6. Bushing

Bushing finished by surface hardened treatment and polish procedure serves to increase the mechanical efficiency and reduce the hand chain pull force.

7. Chain Stopper

Work as the lower limit to prevent over traveling during lowering the load.

8. Load Chain

Applying grade 80 alloy chain specially calibrates for manual hoists and conforms to ISO and DIN standard.

9. Upper & Lower Hooks

Hooks with hot forged and heat treatment allow to be swiveled 360° and are equipped with safety latch to ensure proper hooking the load.

0.5, 1, 1.6, 2, 3.2 ton



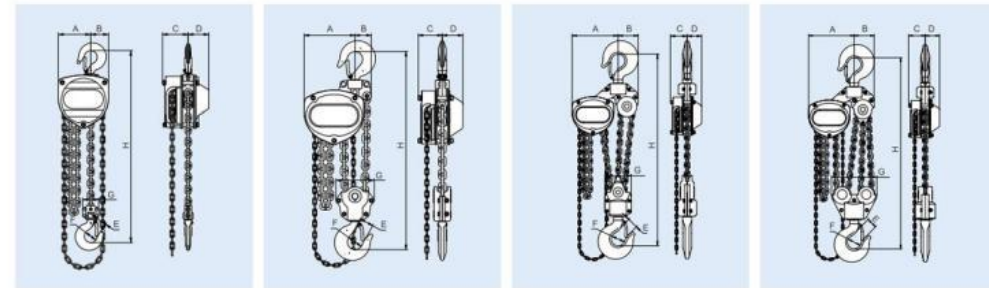
3, 5 ton



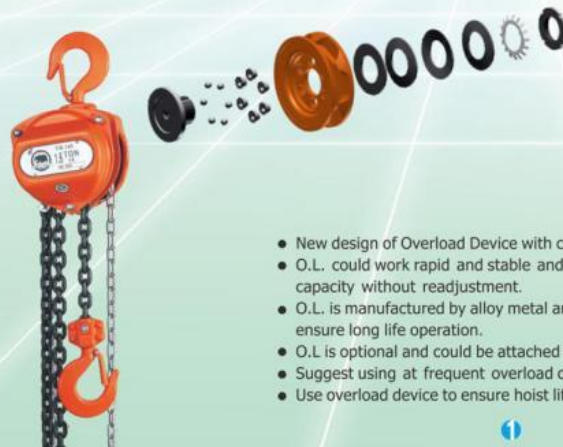
7.5 ton



10 ton



Advantage of Overload Device (O.L.)-Optional



Model	Capacity (ton)	O.L. factor	Action load (ton)
YB - 050	0.5	1.25	0.63
YB - 100	1	1.25	1.25
YB - 160	1.6	1.25	2
YB - 200	2	1.25	2.50
YB - 300	3	1.25	3.75
YB - 320	3.2	1.25	4
YB - 500	5	1.25	6.25
YB - 750	7.5	1.25	9.38
YB - 1000	10	1.25	12.50

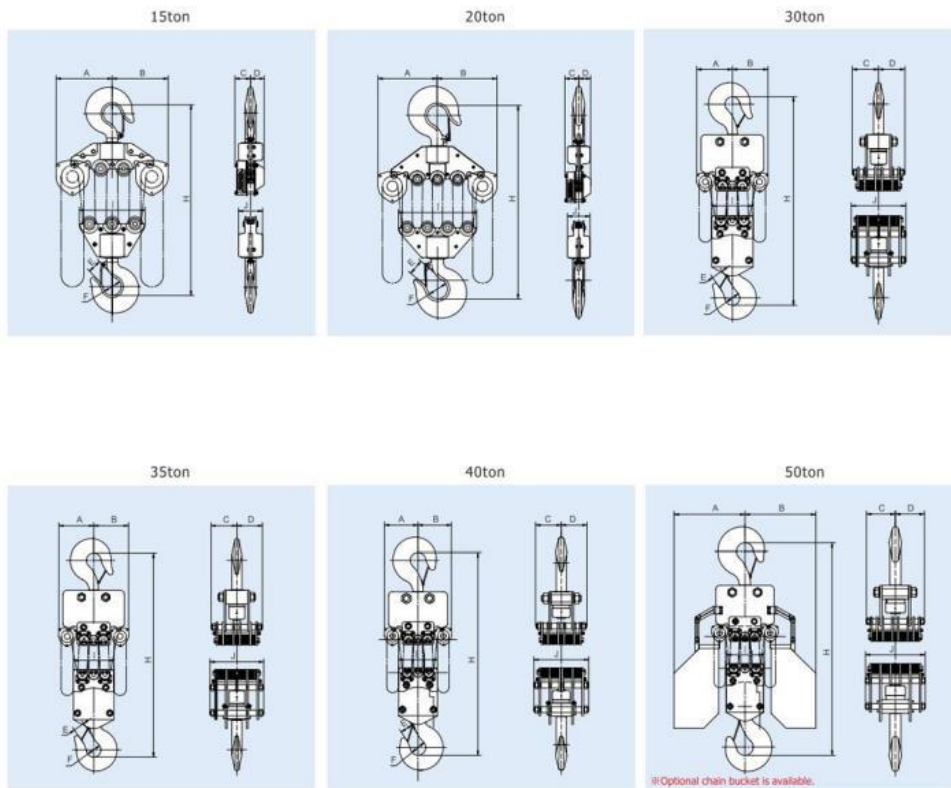
※ O.L. for above 10 tons is also available upon request.

- New design of Overload Device with concealed structure protects itself from external effect.
- O.L. could work rapid and stable and be easily restored by reducing the load under rated capacity without readjustment.
- O.L. is manufactured by alloy metal and completed with surface hardness treatment to ensure long life operation.
- O.L. is optional and could be attached onto the hoist without changing any hoist structure.
- Suggest using at frequent overload operation environment to ensure users' safety.
- Use overload device to ensure hoist life-span.

SPECIFICATIONS

Model	Capacity (ton)	Lift (m)	Load chain		Hand chain Dia x pitch (mm)	Headroom H(mm)	Hand chain pulling per lift meter (m)	Hand effort to lift full load (kgf)	Test load (ton)	N.W. (kg)	Dimensions (mm)						
			Dia x pitch (mm)	No. of falls							A	B	C	D	E	F	G
YB - 050	0.5	2.5	5 X 15	1	5 X 23.6	275	34.7	23	0.65	9	89	46	99	65	28	35	51
YB - 100	1	2.5	6.3 X 19	1		300	57.5	27	1.25	11.4	100	52	96	69	36	43	53
YB - 160	1.6	3	7.1 X 21	1		410	67	38	2	18	114	59	100	75	38	48	62
YB - 200	2	3	8 X 24	1		450	84.2	38	2.5	21	132	71	101	83	40	52	64
YB - 300	3	3	7.1 X 21	2		530	134	38	3.75	24	155	55	94	75	50	60	111
YB - 320	3.2	3	10 X 30	1		535	136.1	45	3.75	30	169	92	113	90	50	60	69
YB - 500	5	3	10 X 30	2		675	272.3	38	6.25	45	220	70.5	113	90	60	67	134
YB - 750	7.5	3	10 X 30	3		810	408.4	40	9.38	84	287	126	113	90	65	85	166
YB - 1000	10	3	10 X 30	4		870	544.5	35	12.5	95	287	126	113	90	65	85	286

※ Hand chain pulling per lift meter: pulling distance of hand chain to lift load chain per meter when operated.



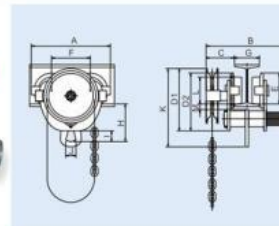
※Optional chain bucket is available.

■ SPECIFICATIONS

Model	Capacity (ton)	Lift (m)	Load chain		Hand chain Dia x pitch (mm)	Headroom H(mm)	Hand chain pulling per lift meter (m)	Hand effort to lift full load (kgf)	Test load (ton)	Dimensions (mm)							
			Dia x pitch (mm)	No. of falls						A	B	C	D	E	F	I	J
YB-1500	15	3	10 X 30	6	5 X 23.6	1120	408.4	44	18.75	372	372	104	90	90	120	438	160
YB-2000	20	3	10 X 30	8		1320	544.5	46	25	445	450	104	90	115	150	590	170
YB-3000	30	3	10 X 30	16		2240	1089	40	37.5	380	380	318	318	140	180	500	665
YB-3500	35	3	10 X 30	16		2240	1089	43	43.75	380	380	318	318	140	180	500	665
YB-4000	40	3	10 X 30	16		2330	1089	46	50	380	380	326	326	160	200	500	710
YB-5000	50	3	10 X 30	20		2560	1361.5	48	62.5	390	390	388	388	180	224	500	800

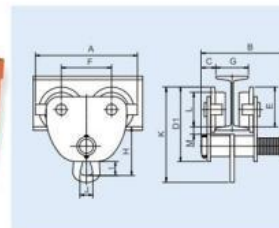
※Hand chain pulling per lift meter: pulling distances of hand chain to lift load chain per meter when operated two hand chains synchronously.

GEARED TROLLEY



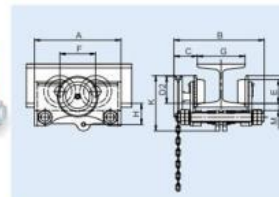
Dimensions (mm) GT																	
Capacity (ton)	Model	A	B	C	D1	D2	E	F	H	I	J	K	L	M	G	N.W. (kg)	Max. lifting speed (m/min)
0.5	GT-050	194	266	81	150	151	69	89	115	33	28	198	φ60	32	50-150	8.8	1
1	GT-100	217	273	84	170	167	78	100	124	35	31	221	φ70	29	75-150	13.5	1
2	GT-200	247	309	91	224	207	91	116	171	55	56	301	φ80	31	100-175	19.8	1.3
3	GT-300	270	346	96	241	239	103	130	215	79	60	355	φ90	35	100-200	30.3	1.5
5	GT-500	310	350	98	235	251	117	140	218	84	60	370	φ100	33	125-200	37	1.6
7.5	GT-750	368	382	110	280	292	135	184	260	103	76	435	φ120	40	150-200	64	2.2
10	GT-1000	398	389	114	301	322	152	197	275	105	76	467	φ140	35	150-200	86	2.2

PLAIN TROLLEY

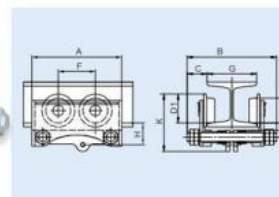
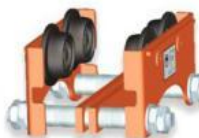


Dimensions (mm) PT																	
Capacity (ton)	Model	A	B	C	D1	D2	E	F	H	I	J	K	L	M	G	N.W. (kg)	Max. lifting speed (m/min)
0.5	PT-050	194	220	35	151	69	89	115	33	28	198	φ60	32	50-150	6.4	1	
1	PT-100	217	227	39	167	78	100	124	35	31	218	φ70	29	75-150	10.6	1	
2	PT-200	247	260	43	207	91	116	171	55	56	284	φ80	31	100-175	16.8	1.3	
3	PT-300	270	300	50	239	103	130	215	79	60	353	φ90	35	100-200	25.8	1.5	
5	PT-500	310	304	52	251	117	140	218	84	60	370	φ100	33	125-200	32.6	1.6	
7.5	PT-750	368	343	72	292	135	184	260	103	76	435	φ120	40	150-200	59.5	2.2	
10	PT-1000	398	350	75	322	152	197	275	105	76	467	φ140	35	150-200	81.4	2.2	

■ LGT · LPT



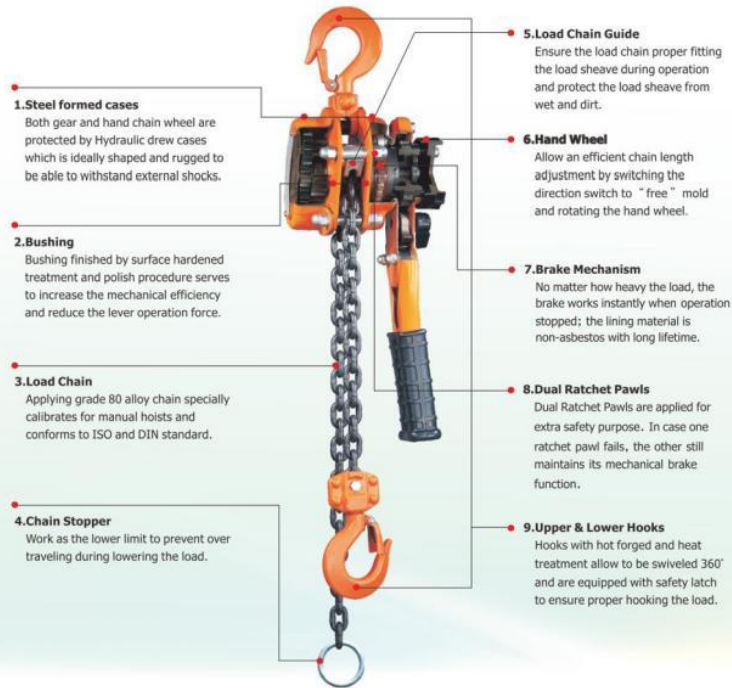
Dimensions (mm) LGT																
Capacity (ton)	Model	A	B	C	D1	D2	E	F	H	I	J	K	M	G	N.W. (kg)	Max. lifting speed (m/min)
0.5	LGT-050	210	275	80	69	71	φ60	91	61	146	20	75-150	12	1		
1	LGT-100	240	290	83	78	81	φ70	100	64	160	20	75-150	14.9	1		
1.5	LGT-150	321	354	90	91	108	φ80	116	79	207	26	130-200	24.6	1.3		
2	LGT-200	321	354	90	91	108	φ80	116	79	207	26	130-200	24.6	1.3		
3	LGT-300	323	366	94	103	106	φ90	130	115	240	26	130-200	31	1.5		
5	LGT-500	362	378	97	117	114	φ100	150	123	267	30	130-200	42.8	1.6		



Dimensions (mm) LPT																
Capacity (ton)	Model	A	B	C	D1	D2	E	F	H	I	J	K	M	G	N.W. (kg)	Max. lifting speed (m/min)
0.5	LPT-050	210	240	45	69	φ60	91	61	144	20	75-150	8.4	1			
1	LPT-100	240	265	58	78	φ70	100	64	157	20	75-150	11	1			
1.5	LPT-150	321	329	65	91	φ80	116	79	190	26	130-200	19.3	1.3			
2	LPT-200	321	329	65	91	φ80	116	79	190	26	130-200	19.3	1.3			
3	LPT-300	323	343	72	103	φ90	130	115	238	26	130-200	25.7	1.5			
5	LPT-500	362	361	81	117	φ100	150	123	267	30	130-200	37.5	1.6			

LEVER HOIST

LEVER HOIST



1. Steel formed cases

Both gear and hand chain wheel are protected by Hydraulic draw cases which is ideally shaped and rugged to be able to withstand external shocks.

2. Bushing

Bushing finished by surface hardened treatment and polish procedure serves to increase the mechanical efficiency and reduce the lever operation force.

3. Load Chain

Applying grade 80 alloy chain specially calibrates for manual hoists and conforms to ISO and DIN standard.

4. Chain Stopper

Work as the lower limit to prevent over traveling during lowering the load.

5. Load Chain Guide

Ensure the load chain proper fitting the load sheave during operation and protect the load sheave from wet and dirt.

6. Hand Wheel

Allow an efficient chain length adjustment by switching the direction switch to "free" mold and rotating the hand wheel.

7. Brake Mechanism

No matter how heavy the load, the brake works instantly when operation stopped; the lining material is non-asbestos with long lifetime.

8. Dual Ratchet Pawls

Dual Ratchet Pawls are applied for extra safety purpose. In case one ratchet pawl fails, the other still maintains its mechanical brake function.

9. Upper & Lower Hooks

Hooks with hot forged and heat treatment allow to be swiveled 360° and are equipped with safety latch to ensure proper hooking the load.

Advantage of Overload Device (O.L.)-Optional



- New design of Overload Device with concealed structure protects itself from external effect.
- O.L. could work rapid and stable and be easily restored by reducing the load under rated capacity without readjustment.
- O.L. is manufactured by alloy metal and completed with surface hardness treatment to ensure long life operation.
- O.L. is optional and could be attached onto the hoist without changing any hoist structure.
- Suggest using at frequent overload operation environment to ensure users' safety.
- Use overload device to ensure hoist life-span.

5

Lever Hoist Series

CHENG DAY MACHINERY WORKS CO.,LTD.

0.3, 0.5 ton



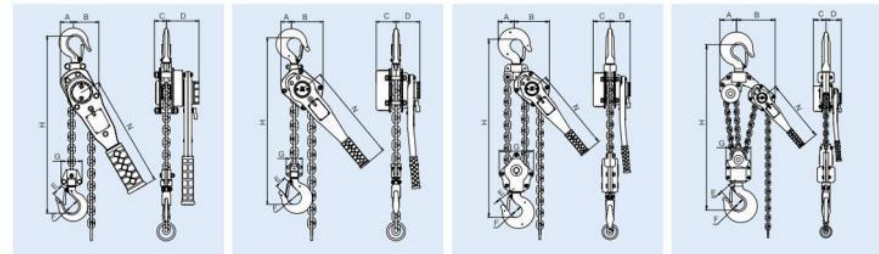
0.8, 1, 1.6, 3.2 ton



6 ton



9 ton



SPECIFICATIONS

Model	Capacity (ton)	Lift (m)	Load chain		Headroom H(mm)	Length of operating handle N(mm)	Pull on lever to lift full load (kgf)	Test load (ton)	N.W. (kg)	Dimensions (mm)						
			Dia x pitch (mm)	No. of falls						A	B	C	D	E	F	G
YL - 030	0.3	1	4.0 X 12	1	235	213	30	0.38	2.1	29	48	23	72	23	31	43
YL - 050	0.5	1.5	5.0 X 15	1	275	265	35	0.63	3.9	32	62	26	88	28	35	51
YL - 080	0.8	1.5	5.6 X 17	1	290	265	25	1	6.1	41	80	55	100	28	35	51
YL - 100	1.0	1.5	6.3 X 19	1	325	265	30	1.25	7.0	41	80	55	100	36	43	53
YL - 160	1.6	1.5	7.1 X 21	1	370	400	30	2	10.7	47	103	65	99	38	48	62
YL - 300/320	3.0/3.2	1.5	9.0 X 27	1	470	416	36	4	16.2	55	120	81	92	50	60	69
YL - 600	6.0	1.5	9.0 X 27	2	620	416	38	7.5	31	90	164	81	92	50	63	172
YL - 900	9.0	1.5	9.0 X 27	3	830	416	39	11.25	55	126	240	81	92	65	85	166

6

Professional cranes & hoists for lifting



Taiwan Black Bear Factory



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- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects.