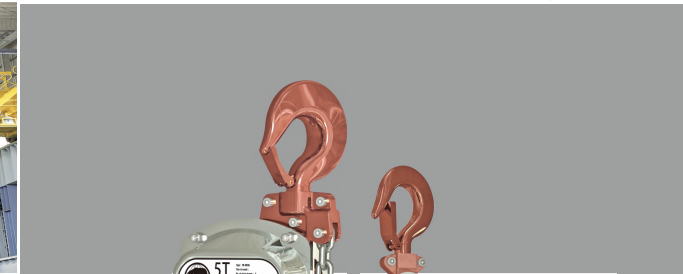




Professional cranes & hoists for lifting



Hand Chain Block & Lever Hoist



CHENG DAY MACHINERY WORKS CO., LTD.

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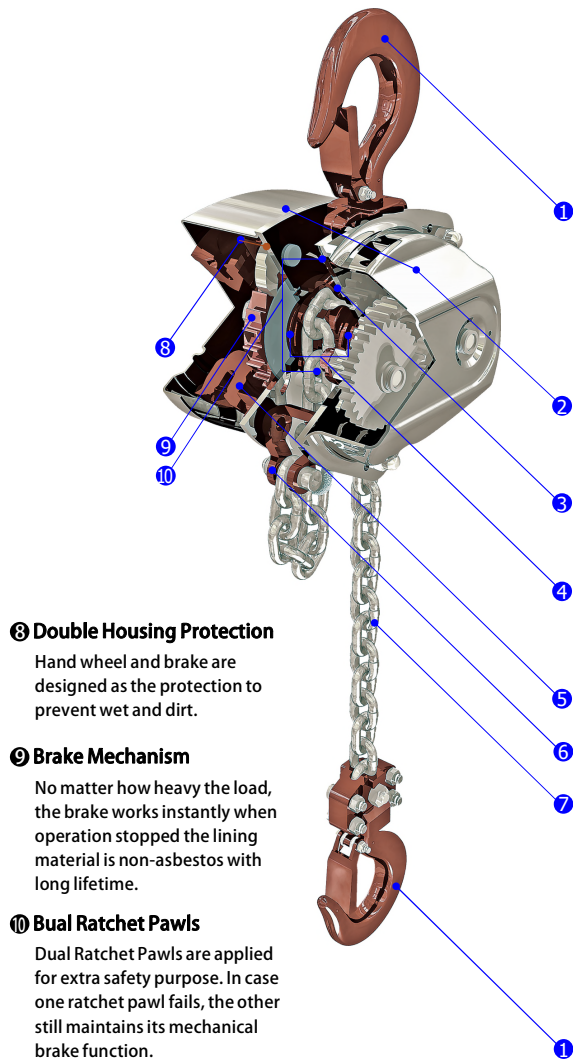


CHENG DAY MACHINERY WORKS CO., LTD.

HAND CHAIN BLOCK



II 2G Ex h IIB T4 Gb
II 2D Ex h IIB T135°C Db



1 Top and Bottom Hooks Ass'y / Hook Housing

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

Instruction :

Bronze coating on Hooks

Special treatment on hook housing.

2 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.

Instruction :

Chrome coating corrosion resistant.

3 Chain Guide/Load Sheave

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

Instruction :

Bronze coating on chain guide and load sheave.

4 Bushing

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

5 Hand Chain Wheel

Instruction :

Stainless steel chain

Bronze coating for hand wheel.

6 Chain Stopper

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

Instruction :

Bronze coating.

7 Load Chain

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

Instruction :

Galvanized coating corrosion resistant.

8 Double Housing Protection

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

9 Brake Mechanism

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

10 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.

Instruction :

Bronze coating to prevent static electricity and sparks generated.

★ Fastener

Instruction : Stainless steel.

■ 0.5, 1, 1.6, 2 ton



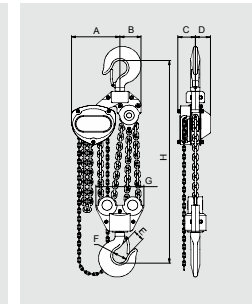
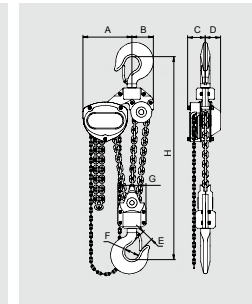
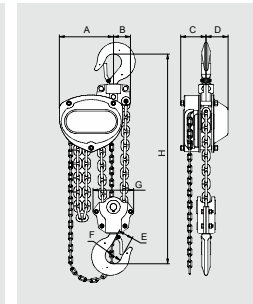
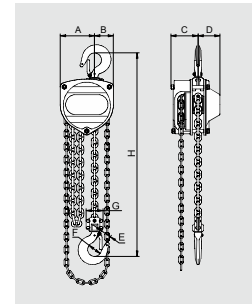
■ 3, 5 ton



■ 7.5 ton



■ 10 ton



■ 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 - 050Ex	0.5	2.5	5 X 15	1	5 X 23.6	275	34.7	23	0.63	9	89	46	99	65	28	35	51
YB - 100Ex	1	2.5	6.3 X 19	1		300	57.5	27	1.25	11.4	100	52	96	69	36	43	53
YB - 160Ex	1.6	3	7.1 X 21	1		410	67	38	2	18	114	59	100	75	38	48	62
YB - 200Ex	2	3	8 X 24	1		450	84.2	38	2.5	21	132	71	101	83	40	52	64
YB - 300Ex	3	3	7.1 X 21	2		530	134	38	3.75	24	155	55	94	75	50	60	111
YB - 500Ex	5	3	10 X 30	2		675	272.3	38	6.25	45	220	70.5	113	90	60	67	134
YB - 750Ex	7.5	3	10 X 30	3		810	408.4	40	9.38	84	287	126	113	90	65	85	166
YB - 1000Ex	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.

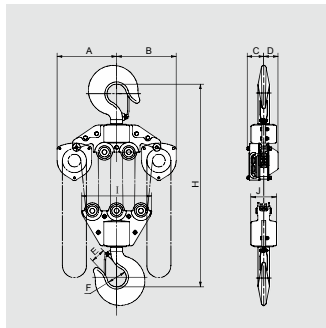
HAND CHAIN BLOCK

TROLLEY

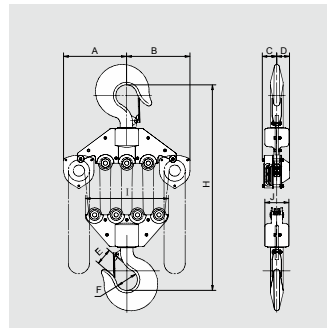


II 2G Ex h IIB T4 Gb
II 2D Ex h IIIB T135°C Db

15 ton



20 ton

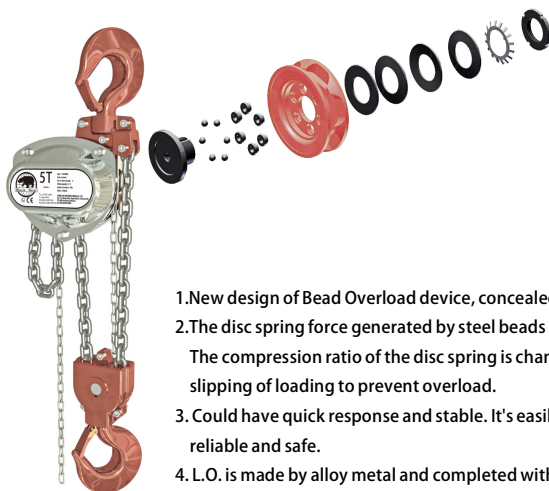


SPECIFICATIONS

Model	Capacity (ton)	Lift (m)	Load chain		Hand chain	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-1500Ex	15	3	10 X 30	6	5 X 23.6	1120	408.4	44	18.75	418	418	104	90	90	120	438	160
YB-2000Ex	20	3	10 X 30	8		1320	544.5	46	25	494	470	104	90	115	150	590	170

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

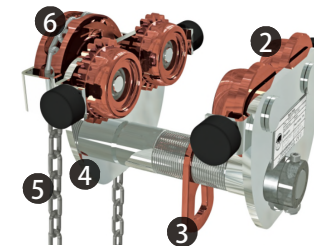
Advantage of Overload Device (O.L.) - Optional



Model	Capacity (ton)	O.L. factor	Test load (ton)
YB - 050Ex	0.5	1.25	0.63
YB - 100Ex	1	1.25	1.25
YB - 160Ex	1.6	1.25	2
YB - 200Ex	2	1.25	2.5
YB - 300Ex	3	1.25	3.75
YB - 500Ex	5	1.25	6.25
YB - 750Ex	7.5	1.25	9.38
YB - 1000Ex	10	1.25	12.5

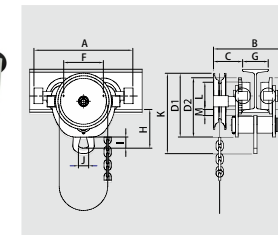
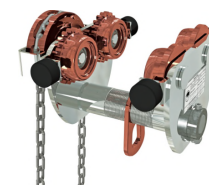
* O.L. for above 10 tons is also available upon request.

1. New design of Bead Overload device, concealed structure provide precisely overload protection.
2. The disc spring force generated by steel beads in the one-way chute is used to generate the clutches.
The compression ratio of the disc spring is changed when adjust nut, so as to change the setting of the slipping of loading to prevent overload.
3. Could have quick response and stable. It's easily restored by reducing the load within rated capacity, reliable and safe.
4. L.O. is made by alloy metal and completed with surface hardness treatment to ensure long life operation.



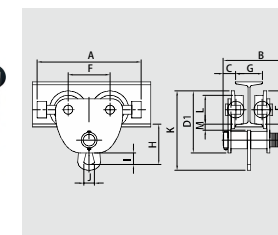
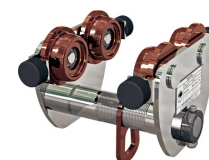
Description	Instruction
1 Drive Wheel	Bronze coating
2 Idler Wheel	Bronze coating
3 Load Bracket	Bronze coating
4 End plate	Chrome
5 Hand chain	Stainless steel
6 Hand Wheel	Bronze coating

Geared Trolley (GT)



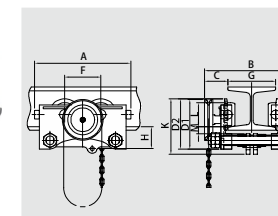
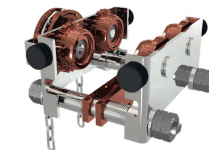
Model	Capacity (ton)	Dimensions (mm)															Min. radius of curve (m)	N.W. (kg)
		A	B	C	D1	D2	E	F	H	I	J	K	L	M	G			
GT-050Ex	0.5	236	266	81	150	151	69	89	115	33	28	199	60	32	50-150	1	8.8	
GT-100Ex	1	259	273	84	170	167	78	100	125	35	31	221	70	29	75-150	1	13.5	
GT-200Ex	2	289	309	91	224	207	91	116	171	55	56	301	80	31	100-175	1.3	19.8	
GT-300Ex	3	312	346	96	241	239	103	130	215	79	60	355	90	35	100-200	1.5	30.3	
GT-500Ex	5	352	350	98	235	251	117	140	218	84	60	370	100	33	125-200	1.6	37	
GT-750Ex	7.5	410	382	110	280	292	135	184	260	103	76	435	120	40	150-200	2.2	64	
GT-1000Ex	10	440	389	114	301	322	152	197	275	105	76	467	140	35	150-200	2.2	86	

Plain Trolley (PT)



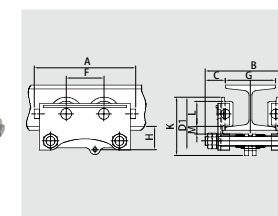
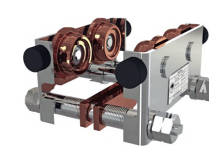
Model	Capacity (ton)	Dimensions (mm)															Min radius of curve (m)	N.W. (kg)
		A	B	C	D1	E	F	H	I	J	K	L	M	G				
PT-050Ex	0.5	236	220	35	151	69	89	115	33	28	199	60	32	50-150	1	6.4		
PT-100Ex	1	259	227	39	167	78	100	125	35	31	218	70	29	75-150	1	10.6		
PT-200Ex	2	289	260	43	207	91	116	171	55	56	284	80	31	100-175	1.3	16.8		
PT-300Ex	3	312	300	50	239	103	130	215	79	60	353	90	35	100-200	1.5	25.8		
PT-500Ex	5	352	304	52	251	117	140	218	84	60	370	100	33	125-200	1.6	32.6		
PT-750Ex	7.5	410	343	72	292	135	184	260	103	76	435	120	40	150-200	2.2	59.5		
PT-1000Ex	10	440	350	75	322	152	197	275	105	76	467	140	35	150-200	2.2	81.4		

LGT



Model	Capacity (ton)	Dimensions (mm)												Min radius of curve (m)	N.W. (kg)
		A	B	C	D1	D2	E	F	H	K	L	M	G		
LGT-050Ex	0.5	252	275	80	128	125	69	91	61	146	60	20	75-150	1	12
LGT-100Ex	1	282	290	83	142	139	78	100	64	160	70	20	75-150	1	14.9
LGT-150Ex	1.5	363	356	91	189	172	91	116	79	207	80	26	130-200	1.3	24.6
LGT-200Ex	2	363	355	90	189	172	91	116	79	207	80	26	130-200	1.3	24.6
LGT-300Ex	3	365	366	95	192	190	103	130	115	240	90	26	130-200	1.5	31
LGT-500Ex	5	404	378	97	207	210	117	150	123	267	100	30	130-200	1.6	42.8

LPT



Model	Capacity (ton)	Dimensions (mm)											Min radius of Curve (m)	N.W. (kg)
		A	B	C	D1	E	F	H	K	L	M	G		
LPT-050Ex	0.5	252	240	45	125	69	91	61	144	60	20	75-150	1	8.4
LPT-100Ex	1	282	265	58	139	78	100	64	157	70	20	75-150	1	11
LPT-150Ex	1.5	363	329	65	172	91	116	79	190	80	26	130-200	1.3	19.3
LPT-200Ex	2	363	329	65	172	91	116	79	190	80	26	130-200	1.3	19.3
LPT-300Ex	3	365	343	72	190	103	130	115	238	90	26	130-200	1.5	25.7
LPT-500Ex	5	404	361	81	210	117	150	123	267	100	30	130-200	1.6	37.5

LEVER HOIST



II 2G Ex h IIB T4 Gb
II 2D Ex h IIIB T135°C Db

7 Load Chain Guide

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

Instruction :
Bronze coating on chain guide and load sheave.

8 Bushing

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

9 Chain Stopper

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

Instruction :
Bronze coating.

*Fastener

Instruction : Stainless steel.

1 Top and Bottom Hook Ass'y / Hook Housing

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

Instruction :
Bronze coating on hooks .
Special treatment on hook housing.

2 Hand Wheel

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

Instruction :
Bronze coating.

3 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.

Instruction :
Chrome coating corrosion resistant.

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 brack function.

Instruction :
Bronze coating to prevent static electricity and sparks generated.

5 Brake Mechanism

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

6 Load Chain

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

Instruction :
Galvanized coating corrosion resistant.

0.3, 0.5 ton



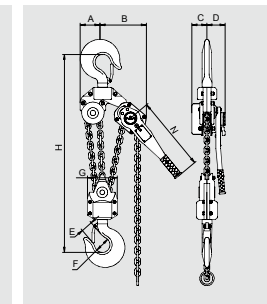
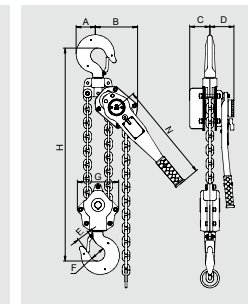
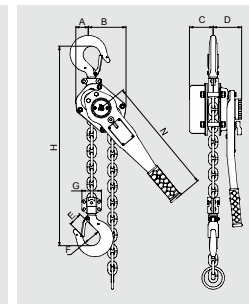
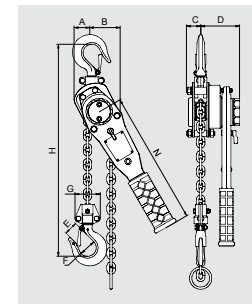
0.8, 1, 1.6, 3.2 ton



6 ton



9 ton



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



- 1.New design of Bead Overload device, concealed structure provide precisely overload protection.
- 2.The disc spring force generated by steel beads in the one-way chute is used to generate the clutches.
The compression ratio of the disc spring is changed when adjust nut , so as to change the setting of the slipping of loading to prevent overload.
3. Could have quick response and stable. It's easily restored by reducing the load within rated capacity, reliable and safe.
4. L.O. is made by alloy metal and completed with surface hardness treatment to ensure long life operation.

SPECIFICATIONS

Model	Capacity (ton)	Lift (m)	Load chain		Hand chain Dia x pitch H(mm)	Length of operating handle N (m)	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 - 030Ex	0.3	1	4.0 X 12	1	235	213	30	0.38	2.1	29	48	23	72	23	31	43
YL - 050Ex	0.5	1.5	5.0 X 15	1	275	265	35	0.63	3.9	32	62	26	88	28	35	51
YL - 080Ex	0.8	1.5	5.6 X 17	1	290	265	25	1	6.1	41	80	55	100	28	35	51
YL - 100Ex	1.0	1.5	6.3 X 19	1	325	265	30	1.25	7	41	80	55	100	36	43	53
YL - 160Ex	1.6	1.5	7.1 X 21	1	370	400	30	2	10.7	47	103	65	99	38	48	62
YL - 320Ex	3.2	1.5	9.0 X 27	1	470	416	36	4	16.2	55	120	81	92	50	60	69
YL - 600Ex	6.0	1.5	9.0 X 27	2	620	416	38	7.5	31	90	164	81	92	50	63	172
YL - 900Ex	9.0	1.5	9.0 X 27	3	830	416	39	11.25	55	126	240	81	92	65	85	166