



Black Bear Corp

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MBI Crane & Hoist

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- Revision of April, 2009
- Due to the printing factors, the color of the products is subject To minor deviation from the physical objects

Manual Chain Hoists Manual Trolleys and Beam Clamps



Hand Chain Hoist

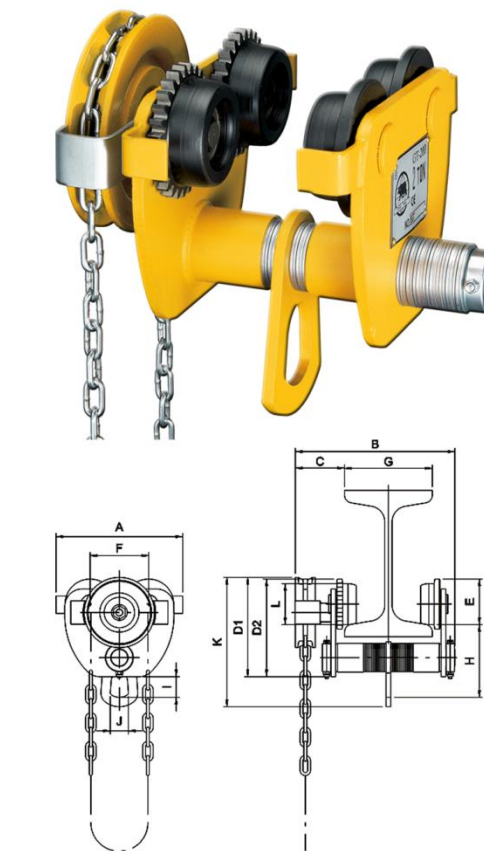
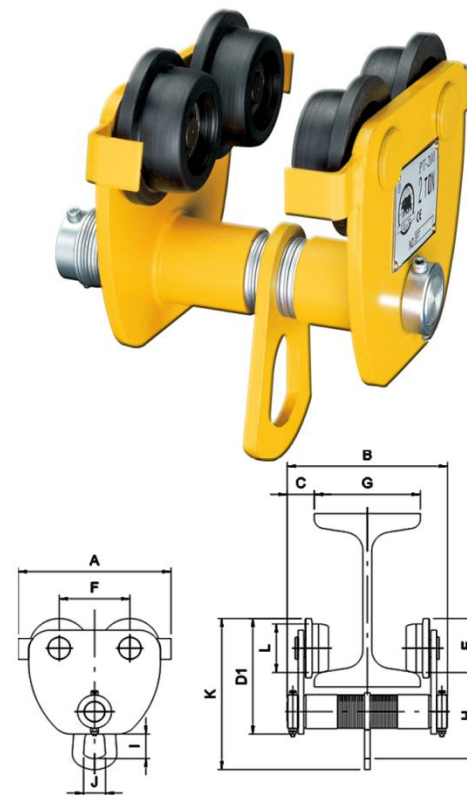
- 1. Formed Steel Covers**
Both the gear case cover and hand wheel cover are pre-formed steel providing a rugged structure to resist shocks and bumps.
- 2. Housing Protection**
Hand wheel cover is designed to protect brake from moisture and dirt.
- 3. Brake Mechanism**
Regardless of load, the instant acting asbestos free load brake will hold the load and is designed for long life.
- 4. Dual Ratchet Pawls**
For added safety dual ratchet pawls are installed.
- 5. Load Chain Guide**
Insures accurate feeding of load chain onto load sprocket and assists in protecting the load sprocket from debris and moisture.
- 6. Bushing**
Polished and hardened bushing reduces hand chain pull while increasing mechanical efficiency.
- 7. Tail Chain Stop**
Prevents load chain from falling out upon reaching maximum point in lowering.
- 8. Load Chain**
Grade 80 alloy steel chain conforms to ISO and DIN specifications.
- 9. Upper and Lower Hooks**
360 degree free swiveling forged steel hooks are equipped with safety latches.

Advantage of Overload Device

- Integrated with the hand chain wheel, it is protected from the elements and tampering.
- O.L. is manufactured from alloy steel and surface hardened for long life.
- O.L. is optional and can be added at any time.
- O.L eliminates damaging over loads, thus providing longer life for the hoist.
- Available for capacities through 10 ton.



Manual Trolleys



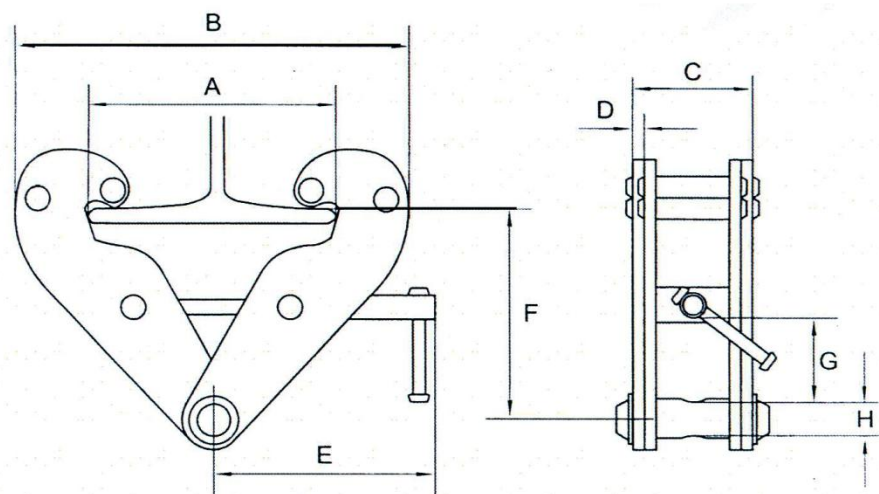
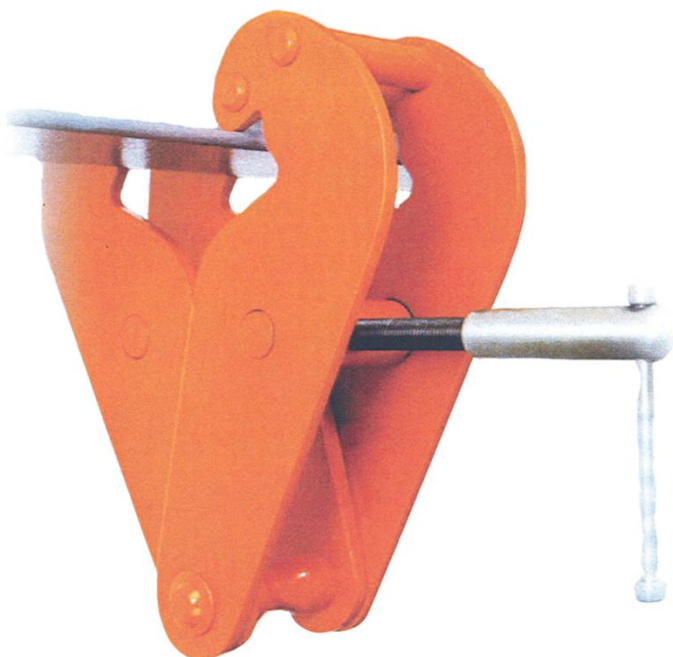
Push & Pull Trolley

DIMENSIONS (Inch)																
Capacity	Model	A	B	C	D1	E	F	H	I	J	K	L	M	G	NW/LBS	Min Radius Curve (Inch)
0.5	PT-050	7.6	8.7	1.4	5.9	2.7	3.5	4.5	1.3	1.1	7.8	2.4	1.3	2"-6"	14.0	40
1.0	PT-100	8.5	8.9	1.5	6.6	3.0	3.9	4.9	1.4	1.2	8.6	2.8	1.1	3"-6"	23.0	40
2.0	PT-200	9.7	10.2	1.7	8.2	3.6	4.6	6.7	2.2	2.2	11.2	3.2	1.2	4"-7"	37.0	51
3.0	PT-300	10.6	11.8	2.0	9.4	4.0	5.1	8.5	3.1	2.4	13.9	3.5	1.4	4"-7.8"	57.0	59
5.0	PT-500	12.2	12.0	2.0	9.9	4.6	5.5	8.6	3.3	2.4	14.6	3.9	1.3	5"-7.8"	72.0	63
7.5	PT-750	14.5	13.5	2.8	11.5	5.3	7.2	10.2	4.0	3.0	17.1	4.7	1.6	6"-7.8"	131.0	87
10	PT-1000	15.7	13.8	3.0	12.7	6.0	7.8	10.8	4.1	3.0	18.4	5.5	1.4	6"-7.8"	180.0	87

Geared Trolley

DIMENSIONS (Inch)																		
Capacity	Model	A	B	C	D1	D2	E	F	H	I	J	K	L	M	G	NW/LBS	Min Radius Curve (Inch)	
0.5	GT-050	7.6	10.5	3.2	5.9	5.9	2.7	3.5	4.5	1.3	1.1	7.8	2.4	1.2	2-5.9	19.4	40	
1.0	GT-100	8.5	10.8	3.3	6.7	6.6	3.1	3.9	4.9	1.4	1.2	8.7	2.8	1.2	3-5.9	29.8	40	
2.0	GT-200	9.7	12.2	3.6	8.8	8.2	3.6	4.6	6.7	2.2	2.2	11.8	3.2	1.2	3.9-6.9	43.7	52	
3.0	GT-300	10.6	13.6	3.8	9.5	9.4	4.0	5.1	8.5	3.1	2.4	14.0	3.5	1.4	3.9-7.8	66.8	59	
5.0	GT-500	12.2	13.8	3.9	9.3	9.9	4.6	5.5	8.6	3.3	2.4	14.6	3.9	1.3	4.9-7.8	81.6	63	
7.5	GT-750	14.5	15.2	4.3	11.0	11.5	5.3	7.2	10.2	4.0	3.0	17.1	4.7	1.6	5.9-7.8	141.0	87	
10	GT-1000	15.7	15.3	4.5	11.9	12.7	6.0	7.8	10.8	4.1	3.0	18.4	5.5	1.4	5.9-7.8	190.0	87	

Beam Clamps



Beam Clamps Specification

Model	Cap (ton)	Adj Beam Width (In)	A Max (In)	B		C (In)	D (In)	E (In)	F		G (In)	H (In)	N.W. (Lbs)
				Min (In)	Max (In)				Min (In)	Max (In)			
BC-100	1.0	3.0-8.5	10.24	7.09	14.2	2.5	0.20	8.46	4.02	6.10	0.98	0.87	10
BC-200	2.0	3.0-8.5	10.24	7.09	14.2	2.91	0.24	8.46	4.02	6.10	0.98	0.87	11
BC-300	3.0	3.0-12.5	13.94	9.25	19.3	4.06	0.32	10.24	5.51	8.86	1.77	0.94	21
BC-500	5.0	3.0-12.5	13.94	9.25	19.3	4.33	0.39	10.24	5.51	8.86	1.77	1.1	24
BC-1000	10.0	3.0-12.5	14.37	12.6	19.9	4.72	0.47	11.02	6.69	9.25	1.97	1.57	35

Hand Chain Hoist Specification



0.5, 1, 1.6 TON



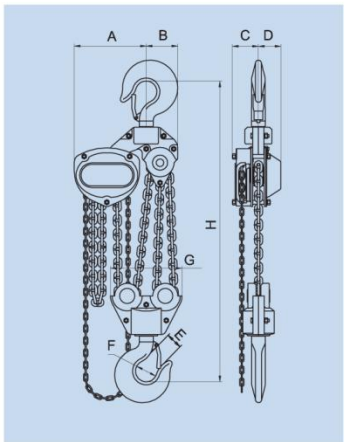
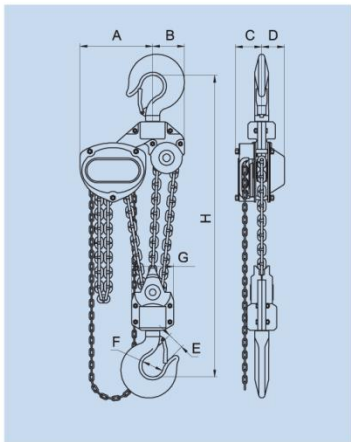
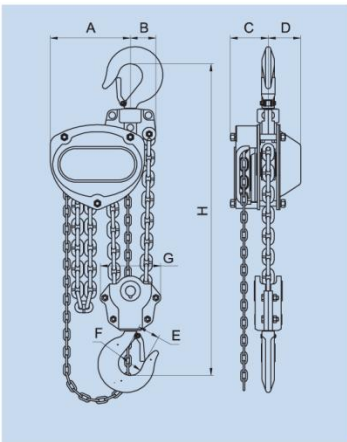
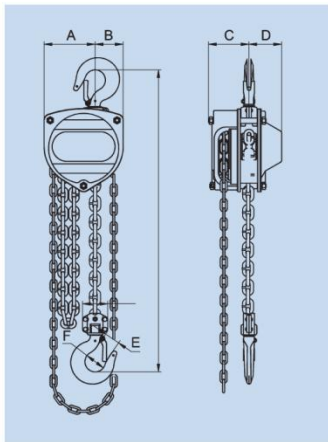
3.0 TON



7.5 TON



10.0 TON



Model	Capacity (ton)	Std Lift (FT)	Load Chain		Hand Chain (Inch)	Headroom (Inch)	Pound of Pull Req'd (Lbs)	N.W. (Lbs)	Dimensions (Inch)						
			Dia x pitch	No of falls					A	B	C	D	E	F	G
YB-050	0.5	10	5x15	1	5x23.6	10.80	60	19.8	3.5	1.8	2.6	1.1	1.4	1.4	2.0
YB-100	1.0		6.3x19	1		11.80	70	25.2	3.9	2.0	3.6	2.7	1.4	1.7	2.0
YB-160	1.6		7x21	1		14.77	84	40.0	4.5	2.3	3.7	3.0	1.5	1.9	2.4
YB-200	2.0		8x24	1		14.77	88	46.3	5.2	2.8	4.0	3.3	1.6	2.0	2.5
YB-300	3.0		7.1x21	2		20.88	105	53.0	6.2	2.2	3.7	3.0	2.0	2.4	4.4
YB-500	5.0		10x30	2		26.60	84	99.0	8.8	2.8	3.7	3.5	2.4	2.6	6.5
YB-750	7.5		10x30	3		31.90	88	185.0	11.4	4.9	4.1	3.5	2.6	3.3	6.5
YB-1000	10.0		10x30	4		34.28	93	209.0	11.4	4.9	4.1	3.5	2.6	3.3	6.5

Lever Chain Hoist

1. **Steel Covers**
Gear cover and brake cover are fabricated from pre-formed steel providing a rugged structure to resist shocks and bumps.
2. **Bushing**
Polished and hardened bushing reduces hand pull required while increasing mechanical efficiency.
3. **Load Chain**
Grade 80 alloy steel chain conforms to ISO and DIN specifications.
4. **Chain Stopper**
Prevents load chain from falling out upon reaching maximum lift.
5. **Load Chain Guide**
Insures accurate feeding of load chain onto load sprocket and assists in protecting the load sprocket from debris and moisture.
6. **Hand Wheel**
Allows adjustment of very light loads or slack chain prior to engaging ratchet.
7. **Load Brake**
Regardless of load induced the asbestos-free load brake will hold the load and is designed for long life.
8. **Dual Ratchet Pawls**
For added safety dual ratchet pawls are installed.
9. **Upper and Lower Hooks**
360 degree free swiveling forged steel hooks are equipped with safety latches.

Advantage of Overload Device

- * Integrated with the load brake, it is protected from the elements and tampering.
- * O.L is manufactured from alloy steel and surface hardened for long life.
- * O.L. is optional and can be added at any time.
- * O.L. eliminates damaging over loads, thus providing longer life for the hoist.
- * Available for capacities through 9 ton.

Lever Chain Hoist Specification

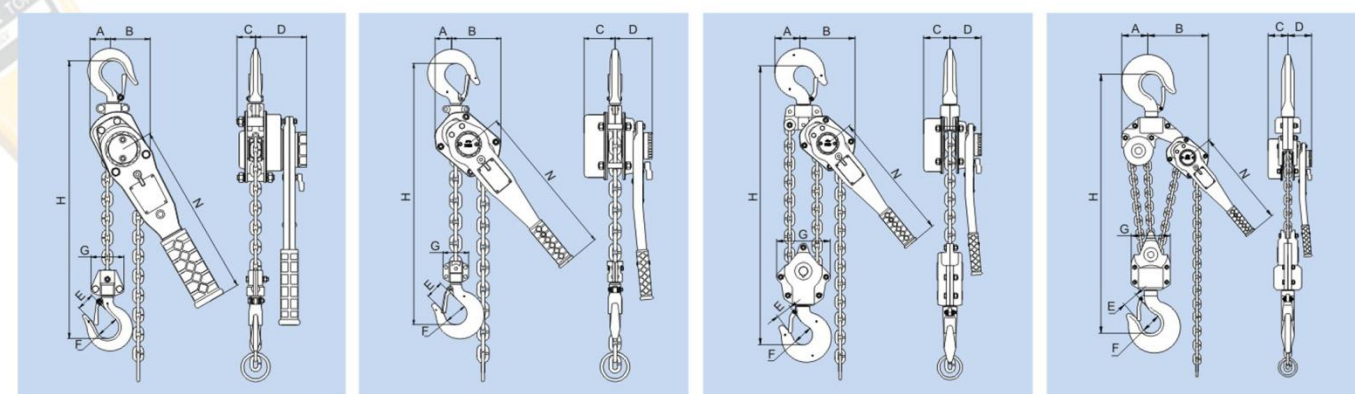


0.3, 0.5 TON

0.8, 1, 1.6, 3.2 TON

6.0 TON

9.0 TON



Model	Capacity (ton)	Std Lift (FT)	Load Chain		Headroom Inch	Length of operating handle N (Inch)	Pull on lever to lift full load (lbs)	N.W. (Lbs)	Dimensions (Inch)						
			Dia x pitch (mm)	No of falls					A	B	C	D	E	F	G
YL-030	0.3	5	4.0 X 12	1	9.3	6.0	66	4.6	1.14	1.89	0.91	2.863	0.91	1.22	1.69
YL-050	0.5	5	5.0 X 15	1	10.8	10.4	77	8.6	1.26	2.44	1.02	3.47	1.1	1.38	2.0
YL-080	0.8	5	5.6 X 17	1	11.4	10.4	55	13.5	1.62	3.15	2.17	3.94	1.1	1.38	2.0
YL-100	1.0	5	6.3 X 19	1	12.8	10.4	66	15.4	1.62	3.15	2.17	3.94	1.42	1.69	2.1
YL-160	1.6	5	7.1 X 21	1	14.6	15.7	66	23.6	1.85	4.06	2.56	3.9	1.5	1.89	2.44
YL-320	3.0	5	9.0 X 27	1	18.5	16.4	79	35.7	2.17	4.73	3.19	4.1	1.97	2.36	2.72
YL-600	6.0	5	9.0 X 27	2	24.4	16.4	84	68.4	2.44	6.46	3.19	4.1	1.97	2.48	6.78
YL-900	9.0	5	9.0 X 27	3	32.7	16.4	86	121.3	5.04	8.63	3.19	4.1	2.56	3.35	6.54