

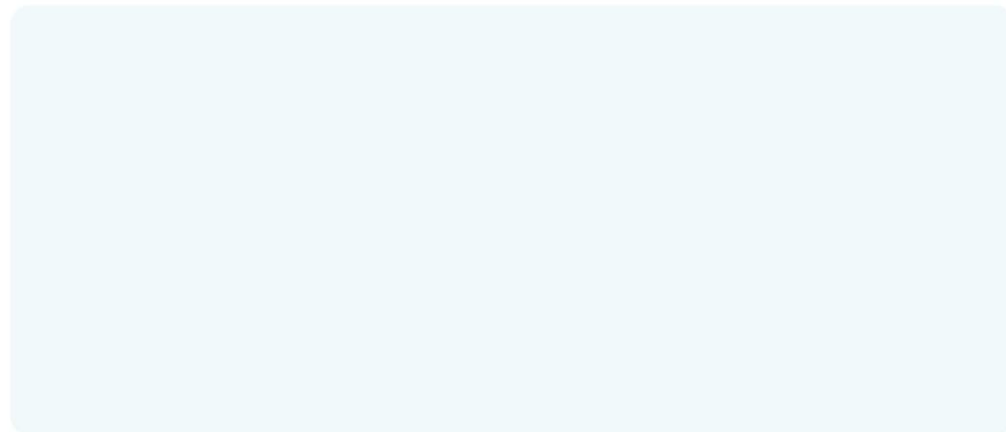


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Distributor:



BLACK BEAR MANUAL HOIST AND TROLLEY CATALOG

Featuring

Hand Chain Hoists and
Lever Chain Hoists

Lever Hoists with Factory
Equipped Load Limiter and
Marine Hooks.

Plain Push and Geared
Trolleys

Low Headroom Plain Push
and Geared Trolley

Low Headroom Army Style
Hand Chain Hoist

Beam Clamps



* Revision of August 2012

* Due to the printing factors, the color and the size of the products are subject to deviation from the actual color and size.

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.

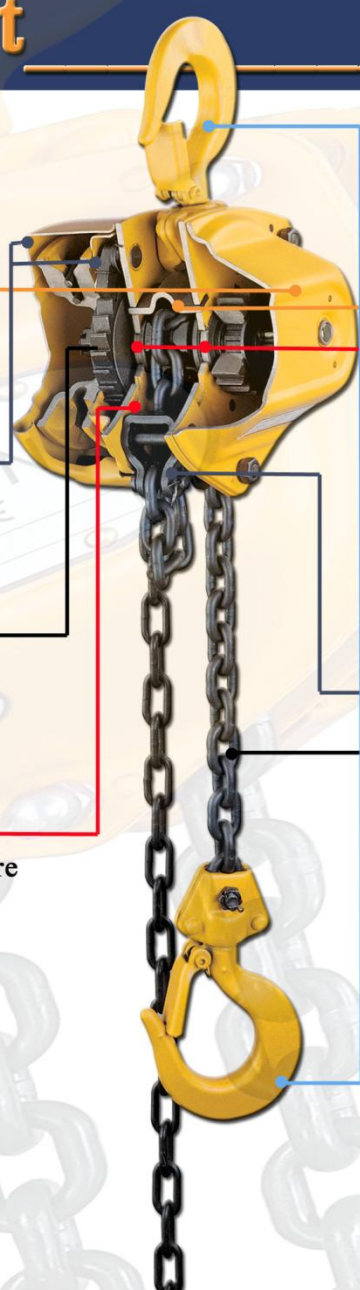
5. Load Chain Guide
Insures accurate feeding of load chain onto load sprocket and assists in protecting the load sprocket from debris and moisture.

6. Bushing
Polished and hardened pushing reduces hand chain pull while increasing mechanical efficiency.

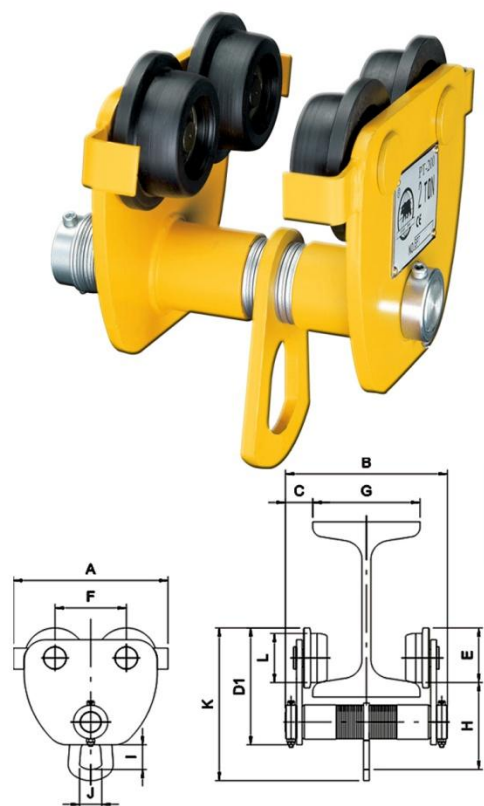
7. Tail Chain Stop
Prevents load chain from falling out upon reaching maximum point in lowering.

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.

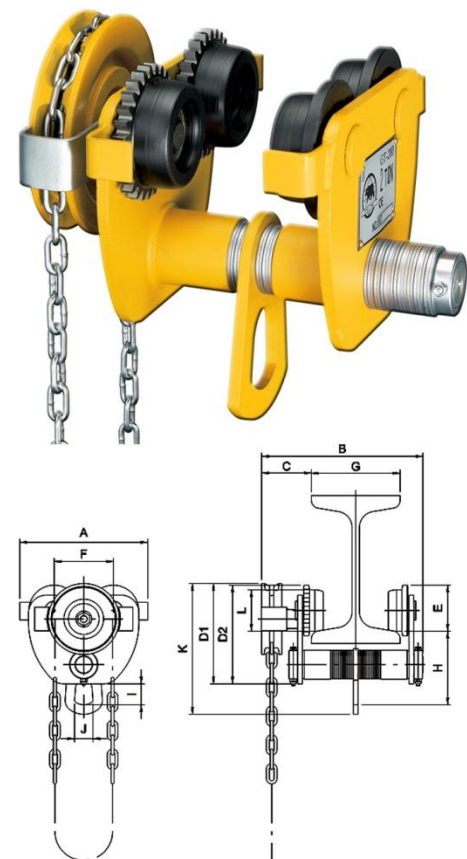

- # Beam Clamps
-
-
- | Model | Cap (ton) | Adj Beam Width (In) | A Max (In) | B | | C (In) | D (In) | E (In) | F | | G (In) | H (In) | N.W. (Lbs) |
|---------|-----------|---------------------|------------|----------|----------|--------|--------|--------|----------|----------|--------|--------|------------|
| | | | | 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 |
- # 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.
-
- 1-
- 10-

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	2.25"-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	2.25"-6"	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

Hand Chain Hoist Specification

YB-050
YB-100
YB-160
YB-200



YB-320



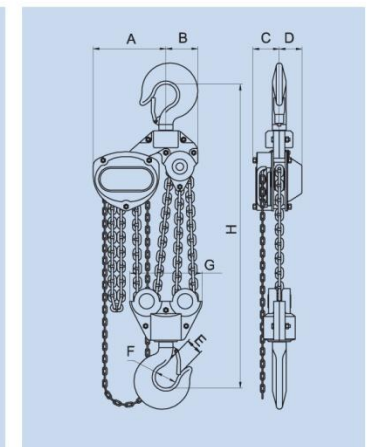
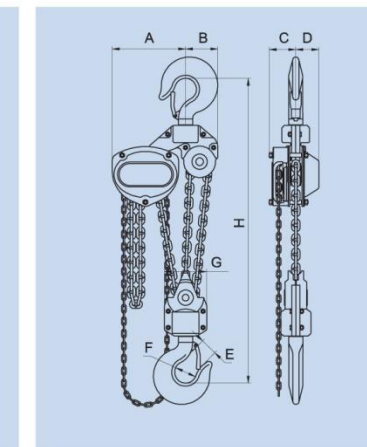
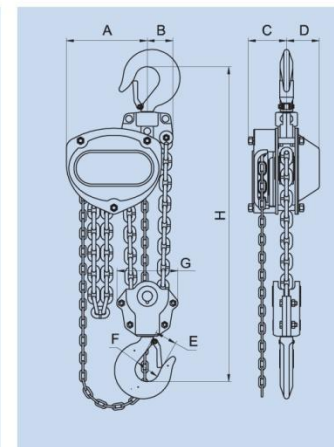
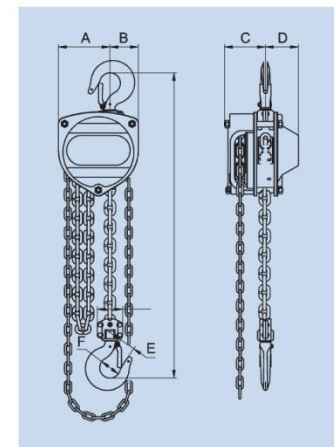
YB-300
YB-500



YB-750



YB-1000



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-320	3.2		10x30	1		21.06	99	66.0	6.6	3.6	4.1	3.5	2.0	2.4	2.7
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.

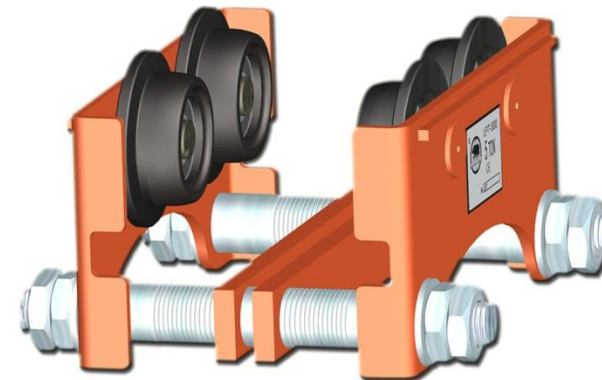
9. Upper and Lower Hooks

360 degree free swiveling forged steel hooks are equipped with safety latches.

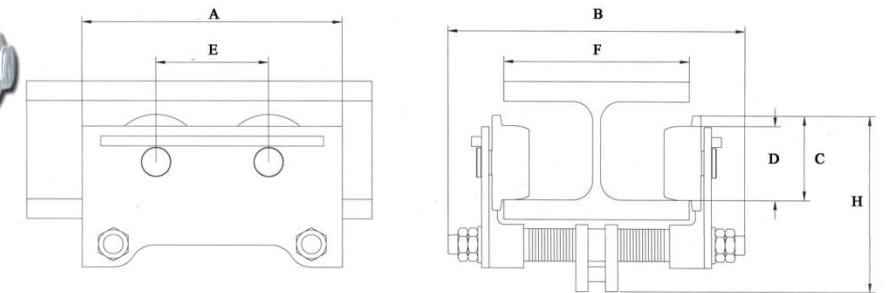
Advantage of Overload Device

- Integrated with the 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.

Low Head Room Trolleys

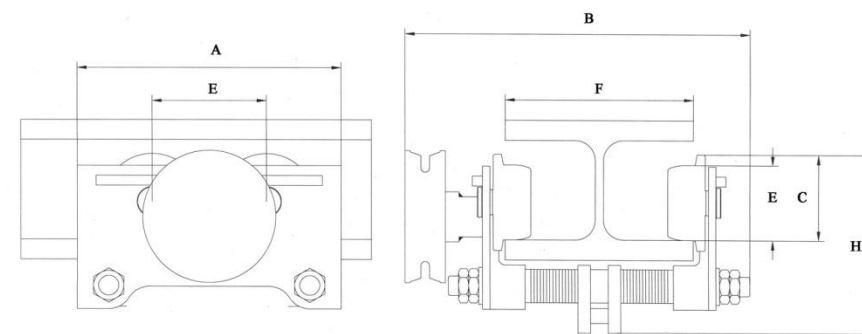


Push Pull Trolley



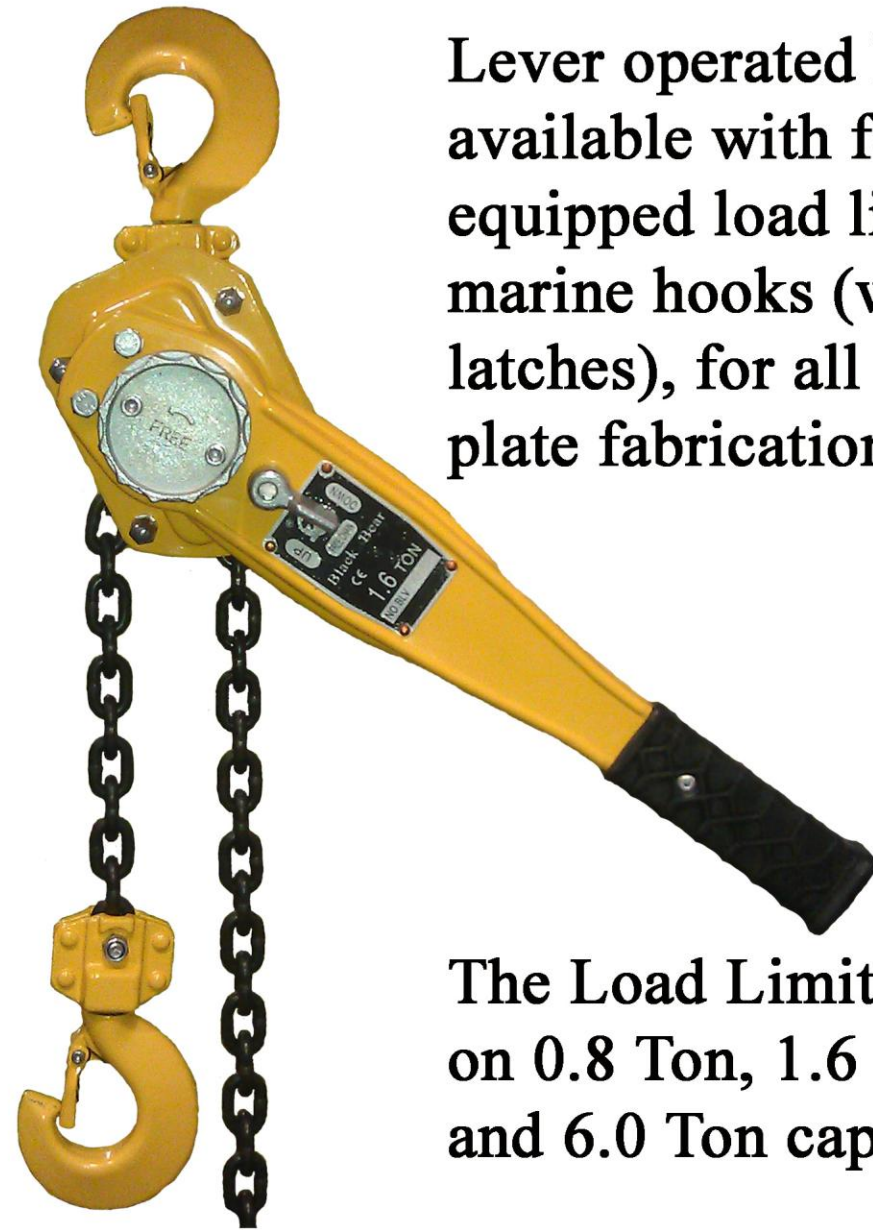
Capacity (Ton)	Model	DIMENSION (INCH)							NW/LBS	Min Radius Curve (Inch)
		A	B	C	D	E	F	(H) Headroom		
0.5	LPT-050	8.27	9.45	2.7	2.36	3.58	3-6	5.7	19	40"
1	LPT-100	9.45	10.43	3.06	2.76	3.94	3-6	6.2	24	40"
2	LPT-200	12.64	12.96	3.56	3.15	4.57	3-7.9	7.5	43	40"
3	LPT-300	12.72	13.50	4.00	3.54	5.12	5-7.9	9.4	57	59"
5	LPT-500	14.25	14.21	4.59	3.94	5.91	5-7.9	10.5	83	63"

Geared Trolley



Capacity (Ton)	Model	Hand Chain (mm)	Dimensions (Inch)							NW/LBS	Min Radius Curve (Inch)
			A	B	C	D	E	F	(H) Headroom		
0.5	LGT-050	5.0	8.27	10.81	2.7	2.36	3.58	3-6	5.8	26.0	40"
1	LGT-100	5.0	9.45	11.42	3.06	2.76	3.94	3-6	6.3	33.0	40"
2	LGT-200	5.0	12.64	13.94	3.56	3.15	4.57	5-7.9	8.2	54.0	40"
3	LGT-300	5.0	12.72	14.41	4.00	3.54	5.12	5-7.9	9.5	68.0	59"
5	LGT-500	5.0	14.25	14.86	4.59	3.94	5.91	5-7.9	10.5	94.0	63"

Lever Chain Hoist With Factory Equipped Load Limiter and Marine Hook



Lever operated Hand Hoist available with factory equipped load limiter and/or marine hooks (w/safety latches), for all those steel plate fabrication applications.

The Load Limiter is available on 0.8 Ton, 1.6 Ton, 3.2 Ton and 6.0 Ton capacity models.

The marine safety hooks are available on 0.8 Ton, 1.6 Ton, 3.2 Ton models.

Lever Chain Hoist Specification



0.3, 0.5 TON



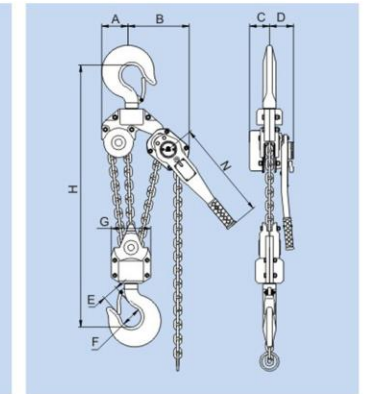
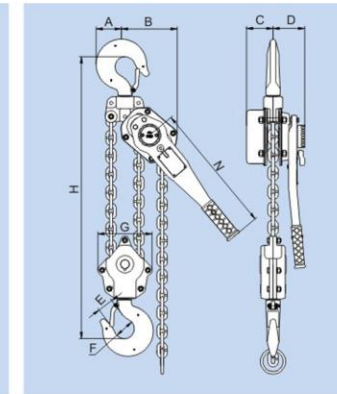
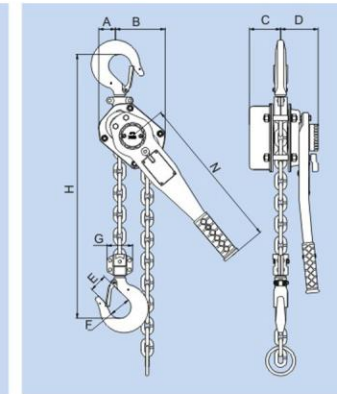
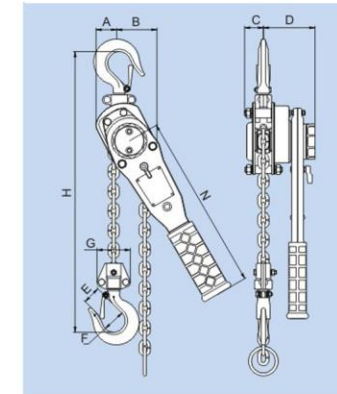
0.8, 1, 1.6, 3.2 TON



6.0 TON



9.0 TON

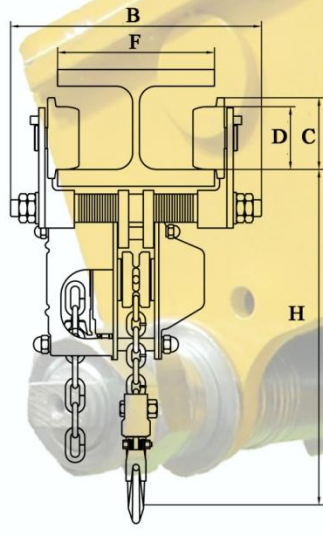
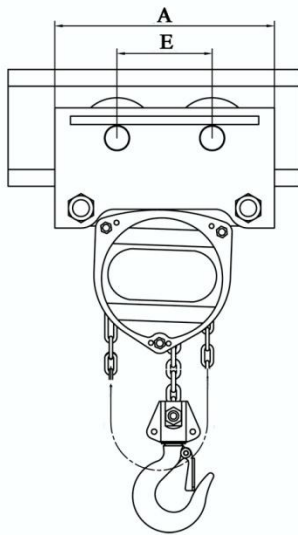


Model	Capacity (ton)	Std Lift (FT)	Load Chain		Headroom Inch	Length of operating handle N (Inch)	Pull on lever to lift full load (lbs)	N.W. (Lbs)	Dimensions (Inch)						
			Dia x pitch (mm)	No of falls					A	B	C	D	E	F	G
YL-030	0.3	5	4.0 X 12	1	9.3	6.0	66	4.6	1.14	1.89	0.91	2.863	0.91	1.22	1.69
YL-050	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

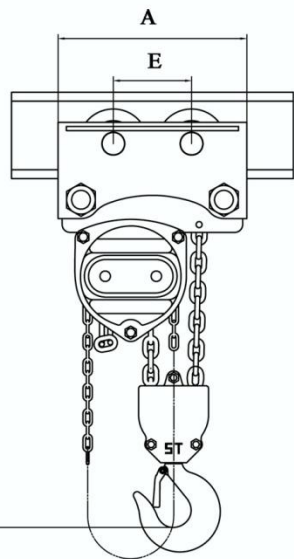
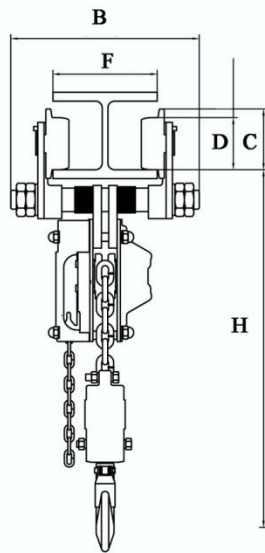
Low Head Room Push Pull Trolley Hoist



0.5 ~ 2.0 Ton



3.0 ~ 5.0 Ton

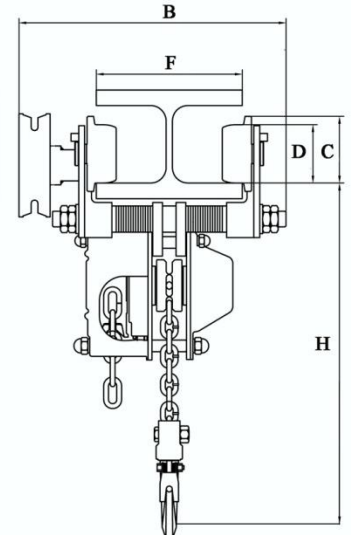
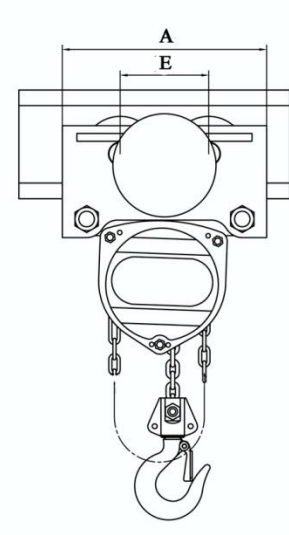


Capacity (Ton)	Model	Load Chain		DIMENSION (INCH)							NW/LBS	Min Radius Curve (Inch)
		Dia x Pitch (mm)	No of Falls	A	B	C	D	E	F	(H) Headroom		
0.5	LPT-050+ YB-050	5x15	1	8.27	9.45	2.7	2.36	3.58	3-6	7.14	38.8	40"
1	LPT-100+ YB-100	6.3x19	1	9.45	10.43	3.06	2.76	3.94	3-6	10.24	49.2	40"
2	LPT-200+ YB-200	8x24	1	12.64	12.96	3.56	3.15	4.57	3-7.9	15.91	89.3	40"
3	LPT-300+ YB-300	7.1x21	2	12.72	13.50	4.57	3.54	5.12	5-7.9	17.52	110	59"
5	LPT-500+ YB-500	10x30	2	14.25	14.21	4.59	3.94	5.91	5-7.9	23.66	182	63"

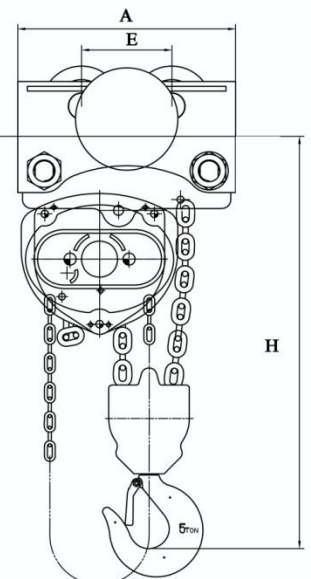
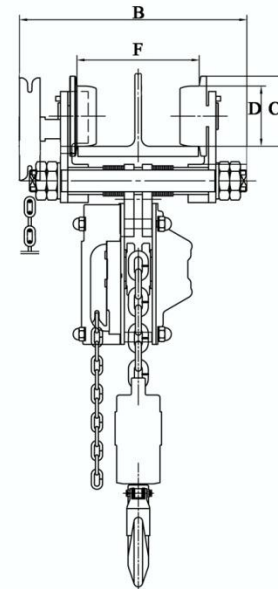
Low Head Room Geared Trolley Hoist



0.5 ~ 2.0 Ton



3.0 ~ 5.0 Ton



Capacity (Ton)	Model	Load Chain		Dimensions (Inch)							NW/LBS	Min Radius Curve (Inch)
		Dia x Pitch (mm)	No of Falls	A	B	C	D	E	F	(H) Headroom		
0.5	LGT-050+ YB-050	5x15	1	8.27	10.81	2.7	2.36	3.58	3-6	7.14	45.8	40"
1	LGT-100+ YB-100	6.3x19	1	9.45	11.42	3.06	2.76	3.94	3-6	10.25	58.2	40"
2	LGT-200+ YB-200	8x24	1	12.64	13.94	3.56	3.15	4.57	5-7.9	15.91	100.3	40"
3	LGT-300+ YB-300	7.1x21	2	12.72	14.41	4.57	3.54	5.12	5-7.9	17.52	121	59"
5	LGT-500+ YB-500	10x30	2	14.25	14.86	4.59	3.94	5.91	5-7.9	23.74	193	63"