Anchor INDUSTRIES

manual chain blocks and lever hoists

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

TYPE APPROVAL DNV·GL 2.7-1=2.7-3

LEEA Development Member

labour Department: Labour REPUBLIC OF SOUTH AFRICA

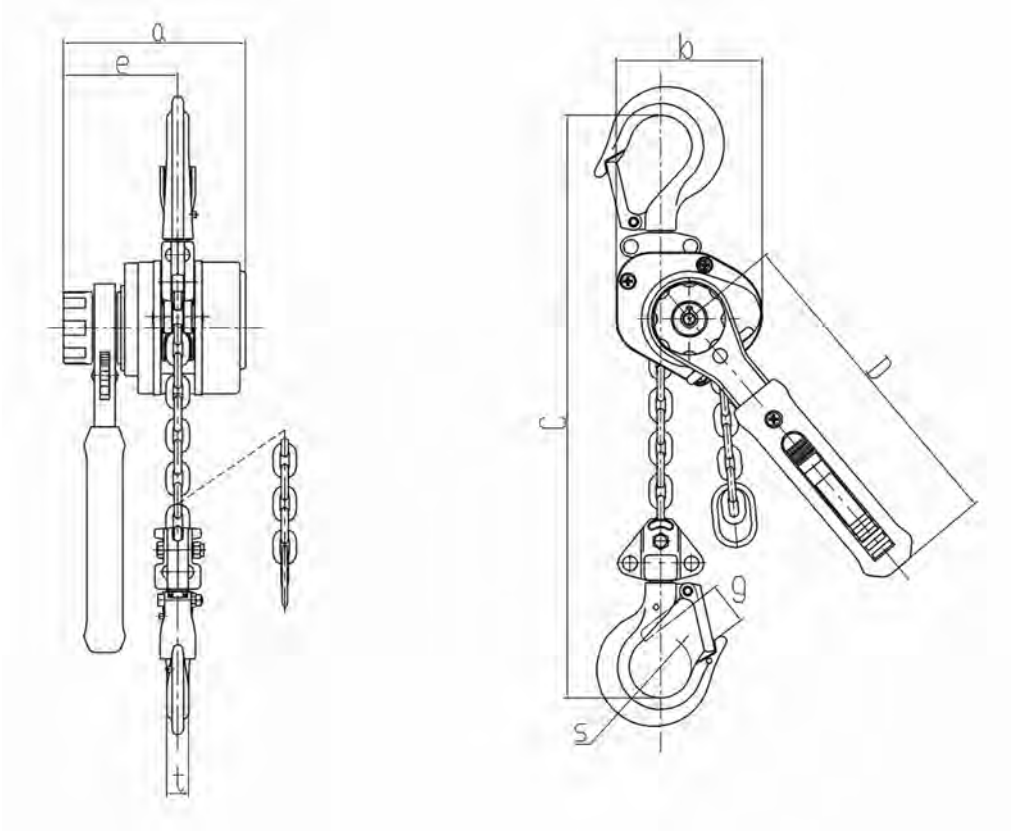
merSETA MANUFACTURING, ENGINEERING AND RELATED SERVICES SETA

BROAD-BASED BLACK ECONOMIC EMPOWERMENT · LEVEL 4 · B-BBEE VERIFIED

Lever hoists

KX type

Compact design for easy handling



factor of safety 4:1

Capacity	[kgs]	250	500	750	1500
Model No.		KX025	KX050	KX075	KX150
No. of Falls		1	1	1	1
Load Chain	[mm]	3.2 x 9	4.3 x 12	5 x 15	7.1 x 21
Effort to Lift Load	[N]	200	240	290	320
Proof Load	[kgs]	375	750	1125	2250
Standard Lift	[mtr]	1.0	1.5	1.5	1.5
Net Weight	[kgs]	1.5	2.5	3.4	5.9
Gross Weight	[kgs]	1.7	2.7	3.6	6.2
Dimensions	a[mm]	87.0	100.5	105.0	122.0
	b[mm]	68	81	92	109
	c[mm]	200	250	260	330
	d[mm]	140	180	180	220
	e[mm]	55.5	62.5	64.0	68.5
	g[mm]	21.0	24.5	28.5	35.0
	s[mm]	32.0	34.5	35.5	42.5
	t[mm]	11.0	12.0	14.0	21.5

Advanced gear
reduction system
with 5 gears in the gear box

Double pawl
for higher safety standards

4 Link load sprocket
for stability during lifting and
less stress on the load chain

Abrasion resistant bushes
fitted to all rotating parts

Longer life brake discs
for lower maintenance costs

Operational test
conducted on each hoist to 150% of
the working load limit

Carry case
attaches to belt, great for technicians
working at height

TITAN MINI

Aluminium alloy steel cover
ensures a strong, lightweight
design

Lightweight
1.5kgs for KX025
2.5kgs for KX050

Alloy steel side plate
(heat treated)
for improved durability

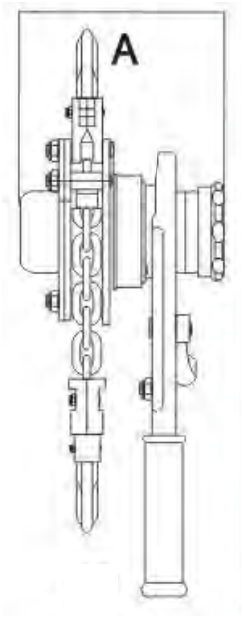
140mm for KX025
180mm for KX050

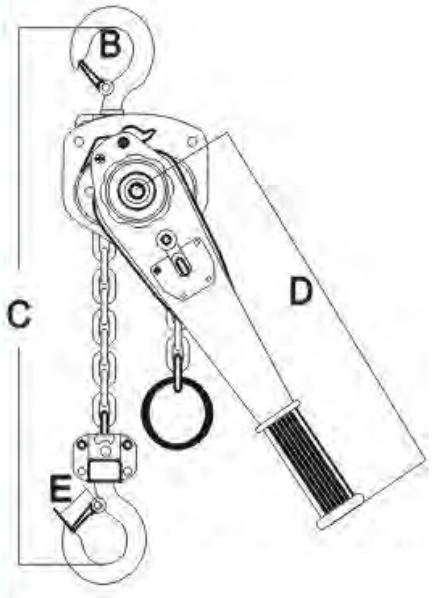
Short lever handle
makes for easier use
on site

Lever hoists

LB-1 type

Affordable option for safe handling



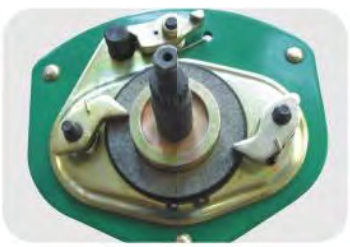


6.00t

0.75t - 3.00t

factor of safety 4:1

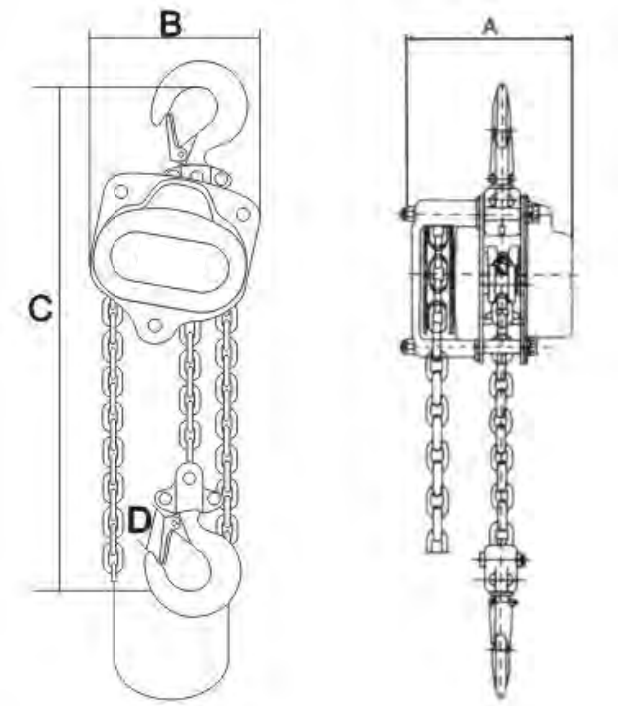
Capacity	[t]	0.50	0.75	1.00	1.50	2.00	3.00	6.00
Model No.		LB-1050	LB-1075	LB-1100	LB-1150	LB-1200	LB-1300	LB-1600
No. of Falls		1	1	1	1	1	1	
Load Chain	[mm]	6.00	6.30	6.30	7.10	7.10	9.00	9.00
Effort to Lift Load	[kg]	11	15	16	18	24	38	39
Standard Lift	[mtr]	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Net Weight	[kgs]	6.1	6.9	7.0	9.6	10.1	15.9	25.7
a	[mm]	148	148	152	161	168	191	191
b	[mm]	128	128	128	148	148	180	180
c	[mm]	295	295	310	335	350	405	550
d	[mm]	256	256	368	368	368	368	368
e	[mm]	45	45	48	52	60	66	80



Chain block

CB-1 type

Affordable option for safe handling



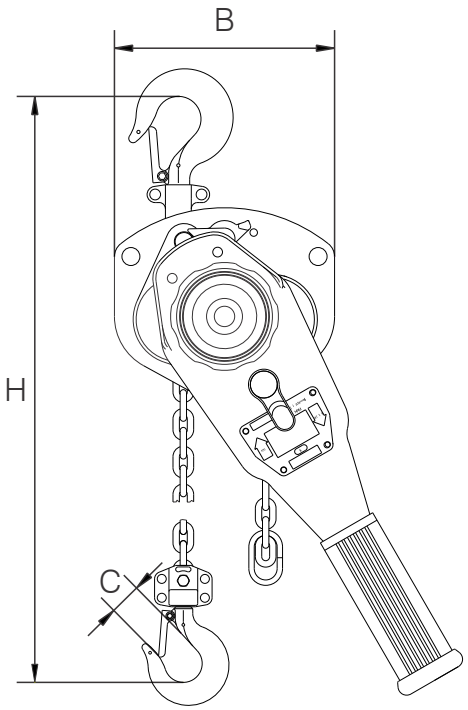
factor of safety 4:1

Capacity	[t]	0.50	1.00	1.50	2.00	2.00	3.00	5.00
Model No.		CB-1050	CB-1100	CB-1150	CB-1200	CB-1202	CB-1300	CB-1500
No. of Falls		1	1	1	1	2	1	2
Load Chain	[mm]	5.00	5.30	7.10	8.00	6.30	9.00	9.00
Effort to Lift Load	[kg]	16	24	28	32	30	32	36
Standard Lift	[mtr]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Net Weight	[kgs]	9.1	12.0	13.8	21.6	20.4	23.2	37.5
a	[mm]	127	147	179	179	147	179	179
b	[mm]	144	157	174	204	174	263	263
c	[mm]	285	315	340	380	380	635	635
d	[mm]	27	30	34	37	37	46	46
e	[mm]	-	-	-	-	-	-	-

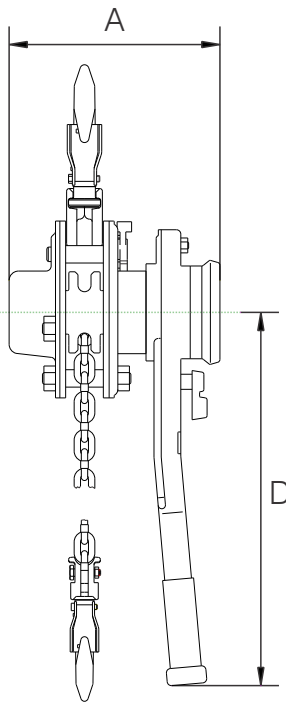
Lever hoists

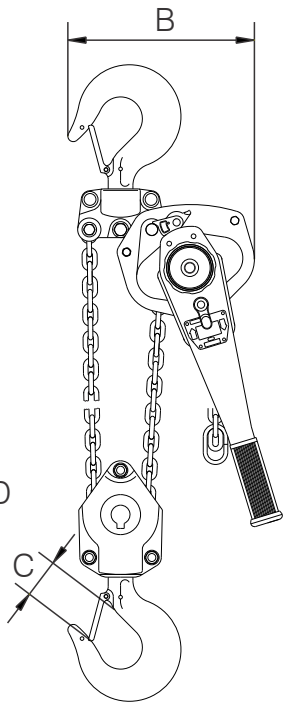
VT-II type

Durable construction for a rugged work environment



0.75t - 3.00t





6.00t

factor of safety 4:1

Capacity	[t]	0.75	1.00	1.50	3.00	6.00
Model No.		LVT075	LVT100	LVT150	LVT300	LVT600
No. of Falls		1	1	1	1	2
Load Chain	[mm]	6.3x19	6.3x19	7.1x21	9.0x27	9.0x27
Effort to Lift Load	[N]	150	204	193	408	420
Standard Lift	[mtr]	3	3	3	3	3
Net Weight	[kgs]	6.9	7.1	9.7	16.3	26.7
Dimensions	a [mm]	148	148	163	191	191
	b [mm]	128	128	148	181	244
	c [mm]	37	45	47	62	78
	d [mm]	256	256	368	368	368
	h [mm]	295	310	335	405	550

Standard features

Double pawls
for added safety

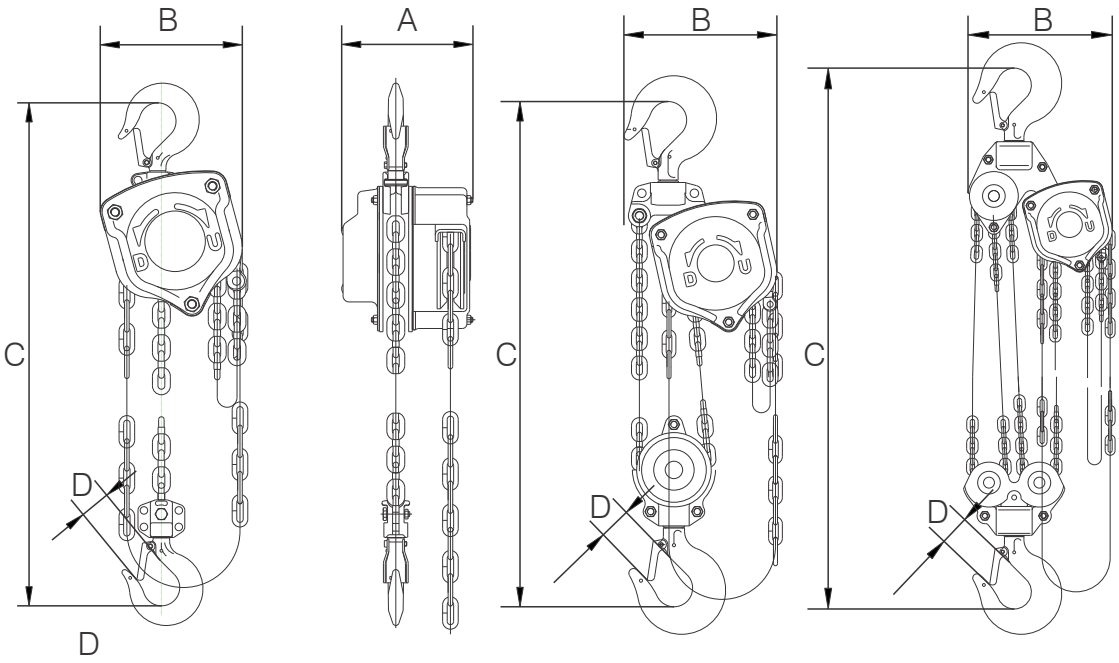
Larger load gear
for easier operation

Thrust bearings in
bottom hook assembly

Chain block

VT-II type

Durable construction for a rugged work environment



0.5t - 3.0t 5.0t 10.0t

factor of safety 4:1

Capacity	[t]	0.5	1.0	1.5	2.0	3.0	5.0	10.0	20.0
Model No.		CVT005	CVT010	CVT015	CVT020	CVT030	CVT050	CVT100	CVT200
No. of Falls		1	1	1	1	1	2	4	8
Load Chain	[mm]	5.0x15	6.3x19	7.1x21	8.0x24	9.0x27	9x27(2)	9x27(4)	9x27(8)
Effort to Lift Load	[N]	250	330	340	340	380	390	410	410x2
Standard Lift	[mtr]	3	3	3	3	3	3	5	5
Net Weight	[kgs]	9.0	12.2	14.5	21.0	22.0	40.0	89.4	214.7
Dimensions a	[mm]	127	147	147	179	182	179	179	207
b	[mm]	144	157	174	204	263	263	367	873
c	[mm]	285	315	340	380	550	600	740	870
d	[mm]	37	45	49	52	63	78	64	82

30t and 50t units are available upon request

Batch markings on load chain

Stocks kept of all replacement parts

optional overload protection

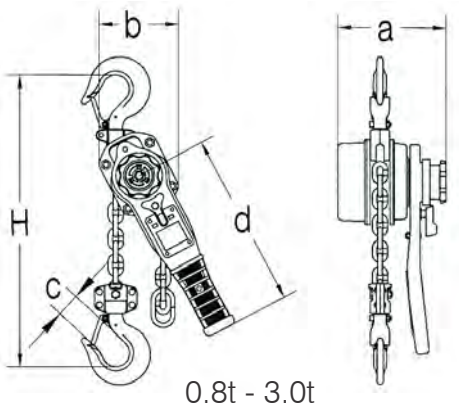
CSIR TESTED 500 duty cycles

TITAN TUFF

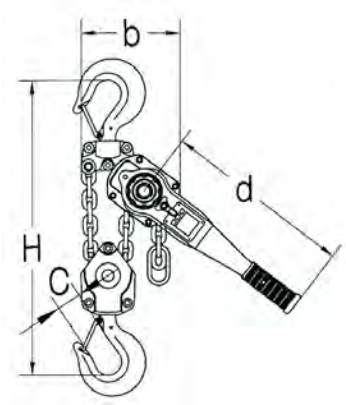
Lever hoists

K-V type

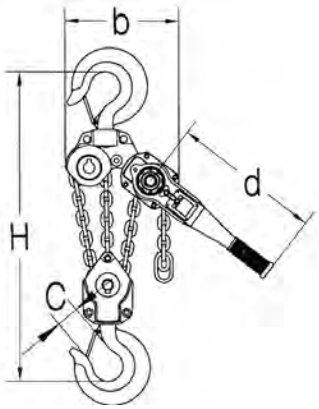
Overload protection for additional safety



0.8t - 3.0t



6.3t



9.0t

factor of safety 4:1

Capacity	[t]	0.8	1.6	3.0	6.3	9.0
Model No.		KV-080	KV-160	KV-300	KV-630	KV-900
No. of Falls		1	1	1	2	3
Load Chain	[mm]	5.6 x 15.7	7.1 x 19.9	10 x 28	10 x 28 (2)	10 x 28 (3)
Effort to Lift Load	[kg]	29	34	37	38	40
Standard Lift	[mtr]	3.0	3.0	3.0	3.0	3.0
Net Weight	[kgs]	5.7	8.0	15.0	26.0	40.0
a	[mm]	144	159	190	190	196
b	[mm]	119	126	159	217	298
c	[mm]	23.5	32.0	39.0	50.0	72.5
d	[mm]	245	265	415	415	415
h	[mm]	280	335	395	540	680

Safety features

improved friction disc design

caged roller bearings on load sprocket

dacromet finish on disc hub

dacromet finish on change over

cast safety latch

optional overload protection

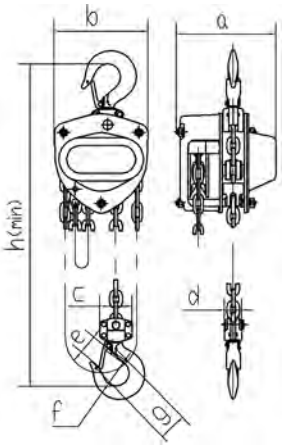
CSIR TESTED 1000 duty cycles

TITAN TUFF

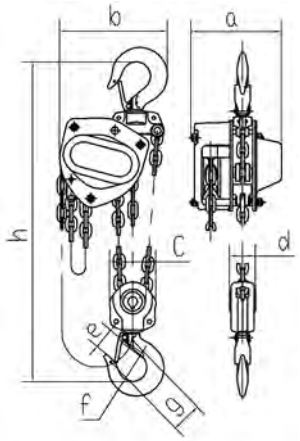
Chain block

K-II type

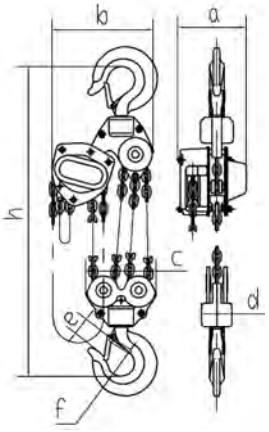
Overload protection for additional safety



0.5t - 3.2t



5.0t



10.0t

factor of safety 4:1

Capacity	[t]	0.50	1.00	1.50	2.00	3.20	5.00	10.00
Model No.		KII-005	KII-010	KII-015	KII-020	KII-032	KII-050	KII-100
No. of Falls		1	1	1	1	1	2	4
Load Chain	[mm]	5 x 15	6.3 x 19	7.1 x 21	8 x 24	10 x 28	9 x 27 (2)	9 x 27 (4)
Effort to Lift Load	[kN]	25	33	34	34	35	39	41
Standard Lift	[mtr]	3.0	3.0	3.0	3.0	3.0	3.0	5.0
Net Weight	[kgs]	9.0	12.2	14.5	21.0	22.0	40.0	95.0
a	[mm]	130	161	170	183	190	192	192
b	[mm]	139	161	182	202	235	282	360
c	[mm]	43	51	64	64	68	133	263
d	[mm]	25	30	34	34	38	64	95
h	[mm]	285	295	350	375	485	600	760

sealed type caged roller bearings on load sprocket

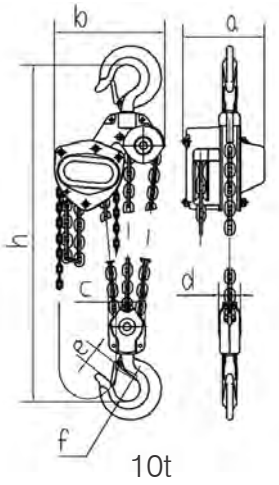
sealed type caged roller bearings on main shaft

fused brake disc

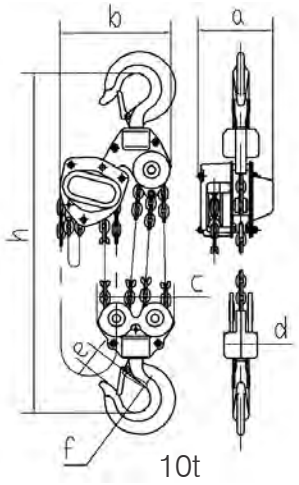
Chain block

K-II Giant type

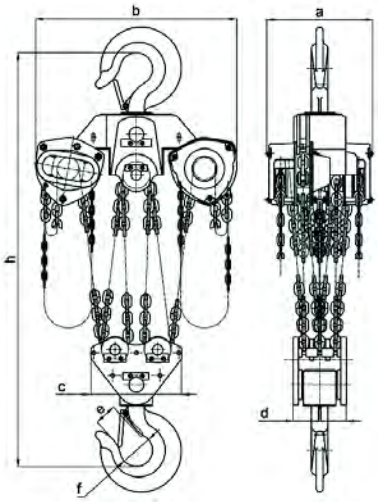
Reliability for heavier loads



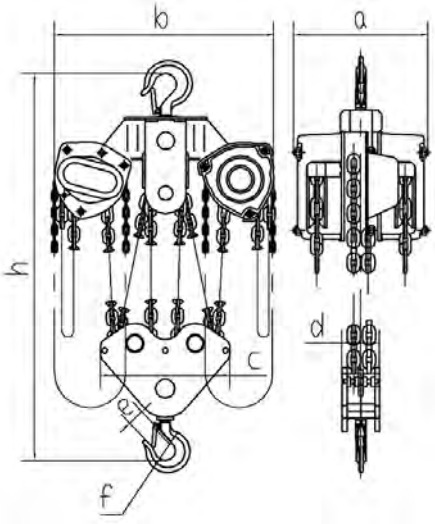
10t



10t



20t



30t

factor of safety 4:1

Capacity	[t]	10.0	10.0	20.0	30.0
Model No.		KII-100A	KII-100	KII-200	KII-300
No. of Falls		3	4	8	12
Load Chain	[mm]	10 x 28	9 x 27	9 x 27	10 x 28
Effort to Lift Load	[N]	398	353	353 x 2	345 x 2
Standard Lift	[mtr]	5.0	5.0	5.0	5.0
Net Weight	[kgs]	70.0	79.1	227.1	284.0
a	[mm]	190	192	209	360
b	[mm]	356	361	655	680
c	[mm]	120	263	286	306
d	[mm]	70	95	123	180
h	[mm]	760	760	870	960

50t units are available upon request

Safe use and maintenance

The use of chain blocks and lever hoists is a safety critical operation that should only be conducted by a fully trained, competent person. Prior to use ensure that you have a valid certificate of test for the unit and regular inspections have been completed according to the OHSA.

Maintenance

According to DMR18 of the OHSA all manual hoists must be inspected by a lifting machinery inspector (LMI). All working parts must be subjected to a thorough examination and performance test every 12 months and a thorough inspection of the chain, hooks and other safety devices forming an integral part of the hoist every 6 months.

Safe use

Ensure that you understand the operating instruction for the model of hoist you are using as this can differ between models and brands

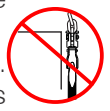
- after securing the upper hook to the beam clamp or trolley place the bottom hook securely into the object to be lifted

- check that the load chain is not twisted at the bottom hook on hoists with 2 or more falls. This can occur when the bottom hook is turned over itself

- make sure that the hoist has an adequate length of load chain to safely raise or lower the load. Do not attempt to lower the load beyond the hoists limit.

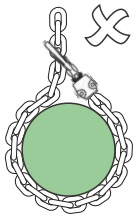
- always ensure that you centre the load in the middle of the hoist and the safety latch is secure
- do not apply excess force to the hand chain or lever handle to raise the load. If the hoist doesn't move freely something is wrong and the operation must be suspended for further investigation

- never allow the load chain to “set” over sharp edges. All lifts must be made with straight load chain that is free of obstacles and never use the load chain to sling the load

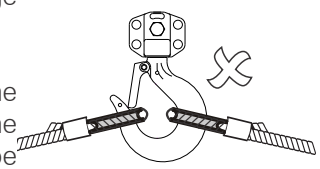


- never use a hoist to lift, suspend or transport people
- never lift or transport loads over people

Basic rigging techniques

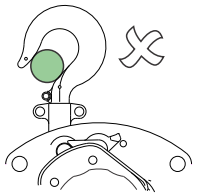


Do not use the load chain to form a sling around the load to be lifted. Doing so will mean that there is no longer a swivel between the load and the hoist which can cause the chain to knot or twist and the chain links at the point of the grab will be placed under additional forces which could damage these links.

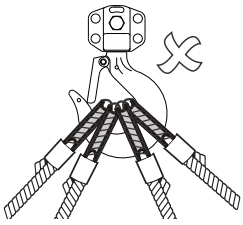


If the user is attaching 2 slings to the hoist, do not load a hook through the point. The load should always be through the saddle of the hook.

When attaching a hoist to a securing point, never remove the safety latch to enable the hook to fit.

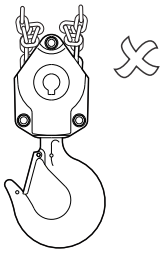


The securing point should fit snugly into the saddle of the top hook. Without the safety latch, the hoist could accidentally separating from the securing point.



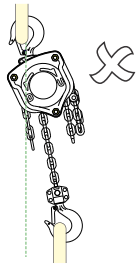
The bottom hook of the hoist should not be overcrowded with sling eyes. This will lead to crushing of the eyes.

It is recommended when using multiple single leg slings that the slings are attached to a shackle and the shackle is attached to the hook of the hoist as this will prevent crushing. Always ensure that you use a safety pin shackle so that the pin doesn't accidentally unscrew during use.



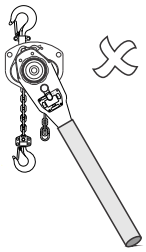
Load chain on multi-fall hoists can become twisted during storage or while being transported to site. Always ensure that this chain is straight as twisting will lead to the links of the load chain being damaged when used.

Always position the chain block directly above the centre of gravity (COG) when lifting an object. Failure to do so will result in the load swinging when lifted which could result in damage to property and the load or injury to the user.



Never attach an "extender bar" or pipe to the lever hoist handle, this allows the user to exert more force on the hoist than it is designed for and can lead to its failure.

The majority of hoists are designed to be operated to their work load limit by one person. If it's found that more than one person is required, the load either exceeds the work load limit or the unit isn't working properly and needs maintenance.



TITAN MINI TITAN MK II TITAN TITAN TUFF

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