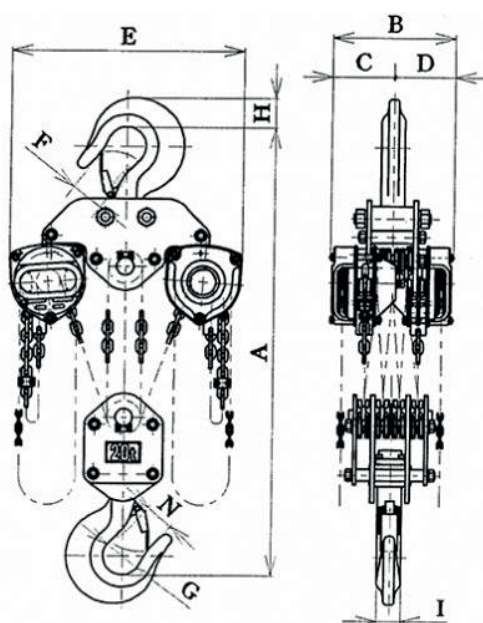


# CHAIN BLOCK AND LEVER BLOCK



*Tiger*

**AKITA**

**VITAL**

# NICE LEVER NR<sub>2</sub>

**Use it to Lift, Lower, Fasten, and pull**

Use it for:

Loading a truck, centering building material at a construction site,  
 setting up or moving machinery and other heavy objects,  
 laying down drain pipes and hume pipes,  
 working in narrow spaces as in shipyards and mines.



Lifting



Lowering



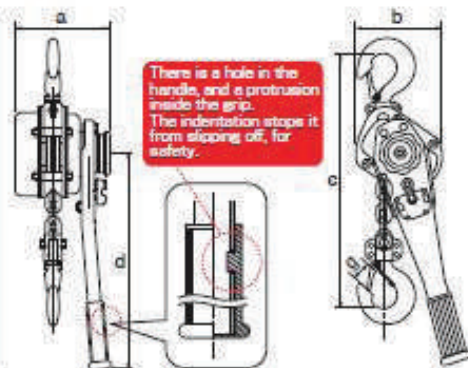
Fastening



Pulling

**Specifications**

Model Number	NR <sub>2</sub> -03	NR <sub>2</sub> -05	NR <sub>2</sub> -08	NR <sub>2</sub> -10	NR <sub>2</sub> -15	NR <sub>2</sub> -30	NR <sub>2</sub> -60	NR <sub>2</sub> -90
Capacity (t)	0.25	0.5	0.8	1	1.6	3.2	6.3	9
Standard Lift (m)	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Net Weight (kg)	1.9	3.5	6.0	7.2	9.8	16.6	27.0	47.3
Min. Distance between Hooks (mm)	230	260	295	325	350	425	565	660
Pull Required to Lift Full Load (kgf)	30	34	21	23	27	38	39	40
(N)	294	333	206	226	265	373	382	392
Chain thickness (mm)	4.0	5.0	5.6	6.3	7.1	9.0	9.0	9.0
Dimension	a (mm)	85	108	146	146	161	195	195
	b (mm)	65	82	119	126	146	180	243
	c (mm)	230	260	295	325	350	425	565
	d (mm)	151.5	267	256	256	368	368	368
	e (mm)	24	27	27	30	34	43	67



**VITAL®**



# For Lifting, Lowering, Fastening and Pulling.

**VITAL<sup>®</sup>**  
**LEVER**
**Lever hoists**
**V LEVER VR2**

## Idling operation:

1. Depress the retaining pawl all the way down and pull the grip ring towards you.
2. The chain can be adjusted up and down by hand.
3. To terminate the idling, set the change lever in the down (↓) position. (See diagram at right).

Then, depressing the retaining pawl as far as possible, push the grip ring gently so as to let the pawl engage the outer edge of the retaining plate. Next, grip the grip ring and handle with a single hand and push them while turning them counterclockwise.

The retaining pawl returns to its original position.


**0.8 t**

**1 t**

**1.6 t**

**3.2 t**

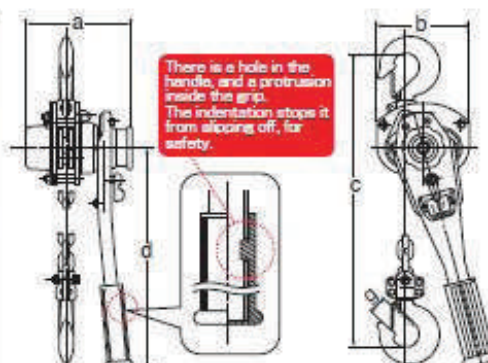
**6.3 t**

## Specifications

Model Number		VR2-08	VR2-10	VR2-15	VR2-30	VR2-60
Capacity (t)		0.8	1	1.6	3.2	6.3
Standard Lift (m)		1.5	1.5	1.5	1.5	1.5
Net Weight (kg)		6.9	7.1	9.7	16.3	26.7
Min. Distance between Hooks (mm)		295	310	335	405	550
Full Required to Lift Full Load (kgf)		15	20	18	38	39
	(N)	147	196	177	373	382
Chain thickness (mm)		6.3	6.3	7.1	9.0	9.0
Dimension	A (mm)	148	148	163.5	191	191
	B (mm)	128	128	148	181	244
	C (mm)	295	310	325	395	550
	D (mm)	256	256	368	368	368
	E (mm)	27	30	34	43	47

— Hoists with the life in other lengths are also available.

— Please note that the specifications on this leaflet may be modified for improvements without notice.



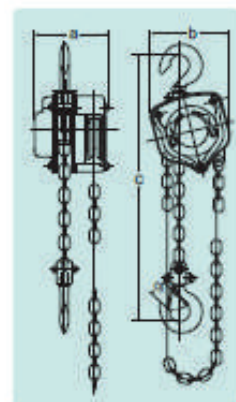
# VITAL CHAIN BLOCK **VP5** Series.



## Specifications

Load Chain : With special alloy load chain.

Capacity (t)	Model Number	Standard Lift (m)	Net Weight (kg)	Gross Weight (kg)	Pull to Lift Load		Head Room c (mm)	a (mm)	b (mm)	g (mm)	Test Load (t)
					(kgf)	(N)					
1/2	VP5-05	2.5	8.3	8.7	25	245	285	129	145	27	0.75
1	VP5-10	2.5	11.3	11.8	33	324	315	149	158	30	1.5
1 1/2	VP5-15	2.5	13.5	14.0	34	333	340	149	177	34	2.25
2	VP5-20	3.0	21.0	22.2	34	333	380	181	204	37	3.0
3	VP5-30	3.0	22.0	22.7	35	343	475	149	208	43	4.5
5	VP5-50	3.0	40.0	41.5	39	382	600	181	263	47	7.5

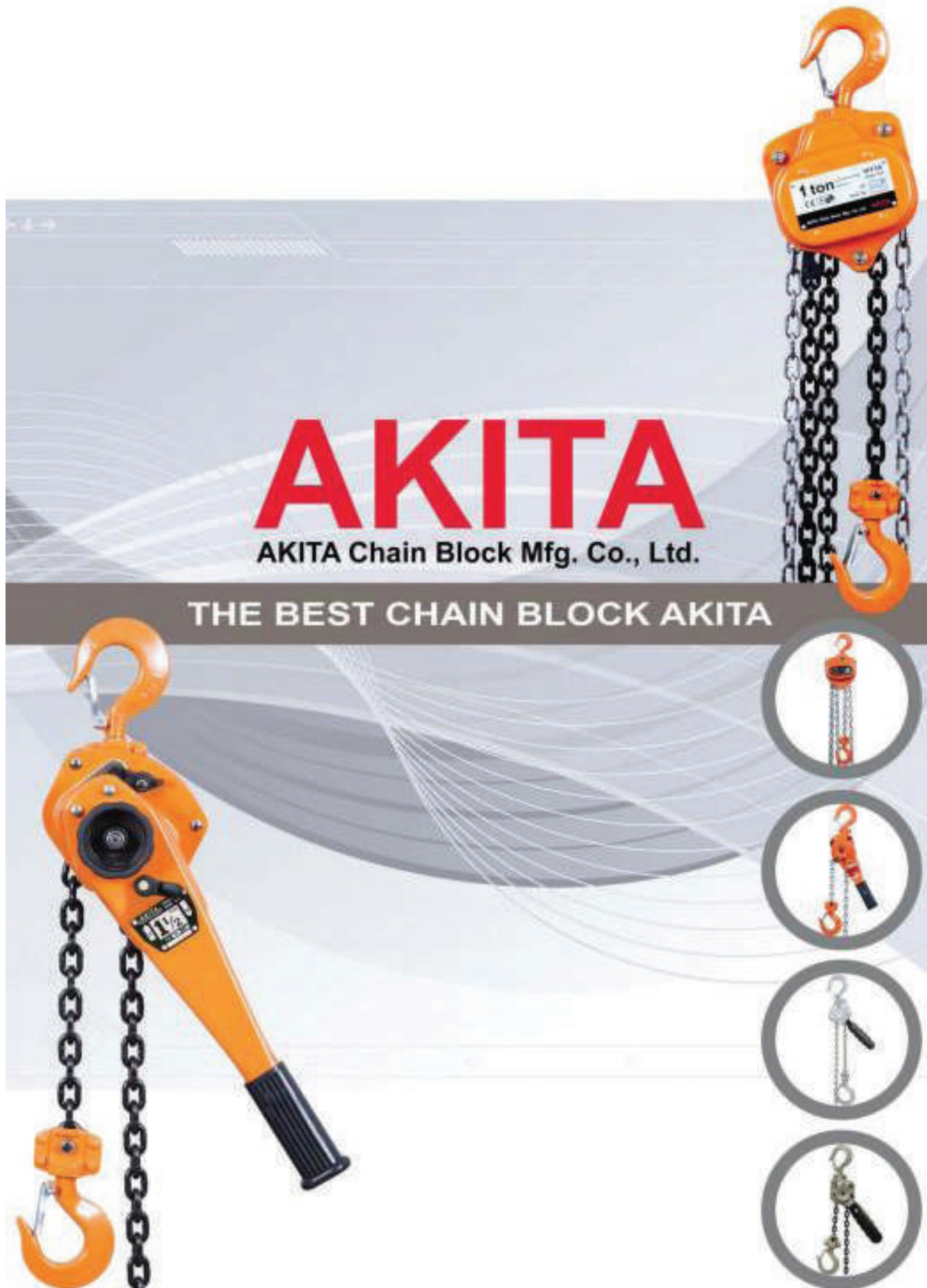


Hoiste with the lift in other lengths are also available.



Vital offers products that are designed for longtime use, providing the lowest possible per-use cost.





## CHAIN BLOCK K-II



1 t



7.5 t

**AKITA**



15 t

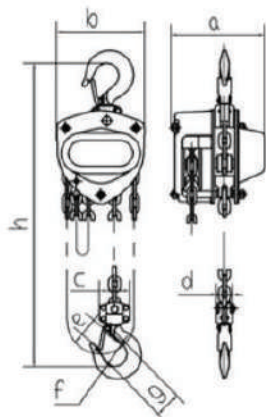


30 t

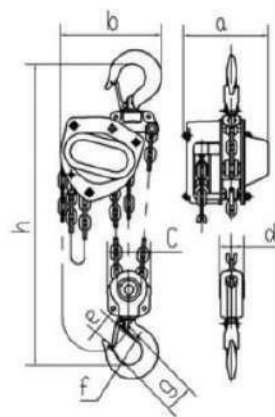
**AKITA**



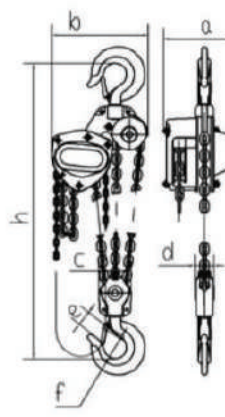
0.25 t, 0.5 t, 1 t, 1.5 t, 2 t & 3.2 t



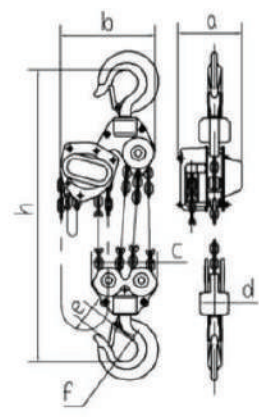
3 t & 5 t



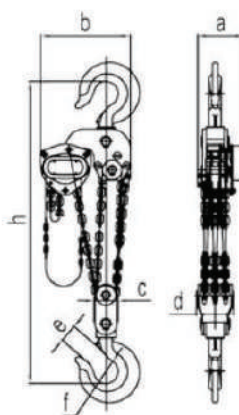
7.5 t & 10 t (3-fall)



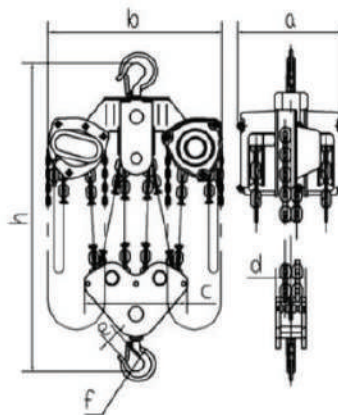
10 t



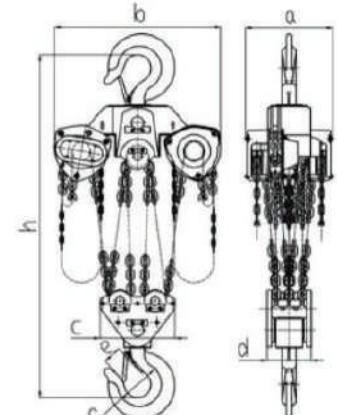
15 t



20 t



30 t



Capacity	(tonnes)	0.25	0.5	1	1.5	2	3	3.2	5	7.5	10	10	15	20	30
Model No.		K025	K050	K100	K150	K200	K300	K320	K500	K750	K1000A	K1000	K1500	K2000	K3000
No. of Falls		1	1	1	1	1	2	1	2	3	3	4	6	8	12
Load Chain	(mm)	4x12	5x15	6.3x19	7.1x21	8x24	7.1x21	10x28	9x27	9x27	10x28	9x27	9x27	9x27	10x28
Load Chain Grade		100	100	100	100	100	100	100	100	100	100	100	100	100	100
Pull to Rated Load	(N)	186	228	284	343	353	353	368	333	343	398	353	363	353x2	345x2
Proof Load	(tonnes)	0.375	0.75	1.5	2.25	3.0	4.5	4.8	7.5	11.25	15.0	15.0	22.5	25.0	37.5
Hand Chain	(mm)	3x15x10	4.8x22x18	5x25x18											
Standard Lift	(m)	3	3	3	3	3	3	3	3	5	5	5	5	5	5
Net Weight	(kg)	3.9	10.8	12.4	15.6	20	24	27.4	41	72.4	85.2	94.9	153	205	284
Gross Weight	(kg)	4.3	11.3	12.9	16.4	21	24.8	28.9	42.5	75.4	93.2	105	166	219	301
Extra Wt. per m	(kg)	0.76	1.5	1.8	2.1	2.3	3.2	3.2	4.4	6.2	7.6	7.9	11.4	15.8	29.3
Dimensions	a	(mm)	96	130.5	161.5	170	183.5	170	190.5	192	192	190.5	192	220	360
	b	(mm)	109	139.5	161	182	202.5	235	235	282	373	356	360.5	492	680
	c	(mm)	29.5	43	51	64	64	106	68.5	133	120	120	263	110	306
	d	(mm)	21	25	30	34	34	53	38.6	64	70	70	95	170	180
	e	(mm)	27	27	33	33.5	37	43.5	43	51	64	64	64	80	82
	f	(mm)	32	32	40	42	46	52	49.5	60	85	85	85	100	110
	g	(mm)	35.5	35	45	47	52	62.5	62	79	-	-	-	-	-
	h	(mm)	250	285	295	350	375	510	485	600	740	760	760	1,000	1,150

50 t is available on request.

**AKITA**



## CHAIN BLOCK VIT-II

---

### Heavy Duty Type for Professional & Industrial Users

#### Standard Features:

- Meets all pertinent world standards
- Lightweight high strength grade 100 alloy steel load chain
- Compact design for limited headroom applications
- High strength steel frame and gear case built to be durable for the rugged needs of construction and maintenance rigging
- Heat-treated spur gear efficiently designed to provide smooth load handling and low hand chain pull
- Reinforced double pawl brake system and larger dia. pawl springs ensure reliable brake
- Open frame design for self-cleaning, quick load sheave inspection and easy hoist maintenance

#### Optional Features:

- Caged roller bearings on load sprocket



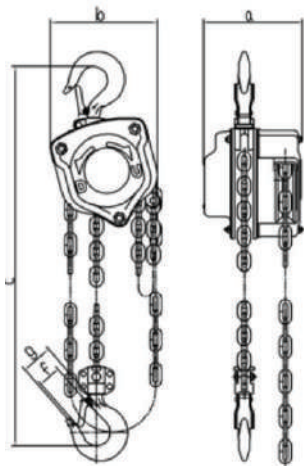
- Zinc plated load chain
- Cast latches
- Cr plated side plate assemblies
- Thrust bearings in bottom hook assembly



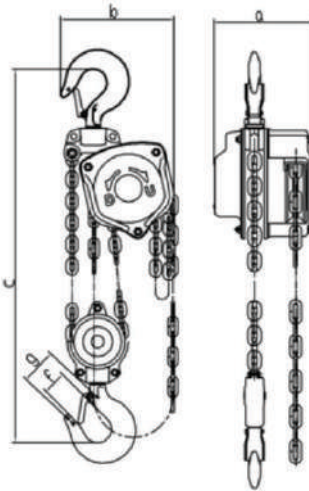
---

**AKITA**

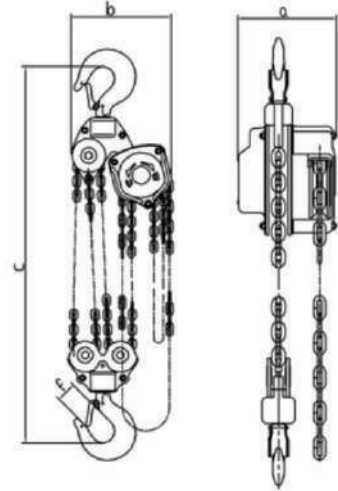
0.5 t, 1 t, 1.5 t, 2 t &amp; 3 t



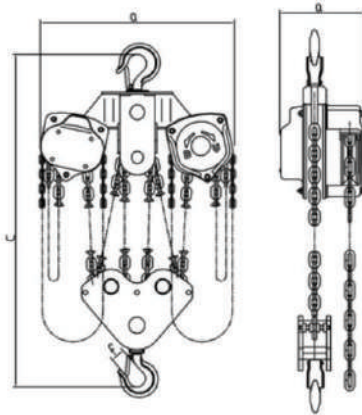
3 t, &amp; 5 t



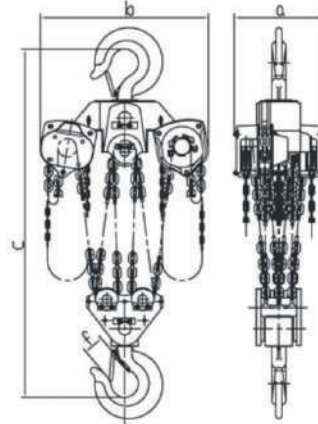
10 t



20 t



30 t



Capacity	(tonnes)	0.5	1	1.5	2	2	3	3	5	10	20	30
Model No.		VIT05	VIT10	VIT15	VIT20V	VIT20	VIT30B	VIT30	VIT50	VIT100	VIT200	VIT300
No. of Falls		1	1	1	1	1	1	2	2	4	8	12
Load Chain	(mm)	5 x 15	6.3 x 19	7.1 x 21	7.1 x 21	8 x 24	9 x 27	7.1 x 21	9 x 27	9 x 27	9 x 27	9 x 27
Load Chain Grade		100	100	100	100	100	100	100	100	100	100	100
Pull to Rated Load	(N)	250	330	340	450	340	380	350	390	410	410 x 2	420 x 2
Proof Load	(tonnes)	0.75	1.5	2.25	3.0	3.0	4.5	4.5	7.5	15.0	25.0	37.5
Hand Chain	(mm)	4.8 x 22 x 18							5.5 x 23.6 x 19			
Standard Lift	(m)	3	3	3	3	3	3	3	3	5	5	5
Net Weight	(kg)	9.0	12.2	14.5	15.5	21.0	34.0	22.0	40.0	89.4	214.7	278
Gross Weight	(kg)	9.4	12.7	15.0	16.0	22.2	34.5	22.7	41.5	96.9	225.7	293
Extra Wt. per m	(kg)	1.42	1.73	1.97	1.97	2.58	2.76	3.07	4.71	8.23	16.46	23.5
Dimensions	a (mm)	127	147	147	147	179	182	147	179	179	207	350
	b (mm)	144	157	174	174	204	263	206	263	367	873	694
	c (mm)	285	315	340	355	380	550	475	600	740	870	1,300
	f (mm)	27	33	33.5	37	37	43.5	43.5	51	64	82	82
	g (mm)	35	45	47	52	52	62.5	62.5	78	-	-	-

50 t are available on request.

**AKITA**



## LEVER HOIST K-V

### MORE COMPACT & LIGHT WEIGHT The Best Lever Hoist for Professional & Industrial Users

#### Main Features:

- More compact
- Very robust but light weight
- Short lever handle  
*New shape & thicker steel sheet  
1.6 t & 2.5 t lever handle is slightly  
longer than 800kg only.*
- Low headroom
- Zinc plated grade 100 load chain
- Interchangeable parts for standard and overload protected hoist  
*Change the standard hoist into overload protected hoist  
Simply replace the #20 Change Over Gear into #20L Overload Protected Assembly*
- Reasonable Pulling force to rated capacity  
*more efficient to operate the hoist*
- #26 Cam can protect the hoist even the user wrongly put the loading on the end ring.
- Each lever hoist is tested at 1.5 times of the rated capacity.
- Complied with EN 13157



- Unique hand wheel & knob design



- No preload required  
*unique free knob design  
different from conventional  
free wheel system*

- Innovated & patent fused brake disc  
*automotive technology*



- Heavy duty cast latches

- Improved hook tip design  
*self-locking with cast latch*

- With caged roller bearings on load sprocket



- Phosphoric surface treatment for #3 driving shaft

#### DACROMET Finish for Important Parts

Mainly used for automotive industry  
Due to corrosion accounting for the bulk of repair costs  
and the core of customer complaints.  
It is the superior corrosion protection for the product.  
Salt Spray Performance: > 300 hours  
(Zinc Plating about 30 hours)



#14 Disc Hub  
#15 Fused Brake Disc



#20 Change  
Over Gear



#26 Cam

#### Optional Features

- #20L Overload protection system
- #36 Cast-enlarged end ring



- #37 Thrust bearings in bottom hook assembly

- Shipyard hook  
1.6 t & 3.2 t



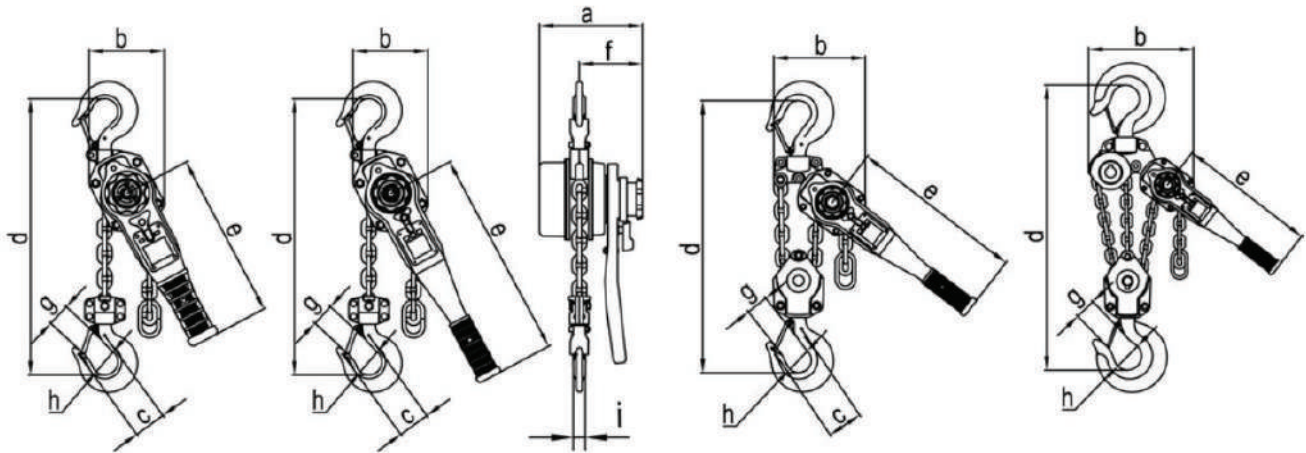
**AKITA**

0.8 t, 1 t, 1.6 t &amp; 2.5 t

3.2 t

6.3 t

9 t



Capacity	(tonnes)	0.8	1	1.6	2.5	3.2	6.3	9
Model No.		KV008	KV010	KV016	KV025	KV032	KV063	KV090
No. of Falls		1	1	1	1	1	2	3
Load Chain	(mm)	5.6 x 15.7	5.6 x 15.7	7.1 x 19.9	8.8 x 24.6	10 x 28	10 x 28	10 x 28
Pull to Rated Load	(N)	215	294	304	363	372	382	392
Proof Load	(tonnes)	1.2	1.5	2.4	3.8	4.8	9.5	13.5
Standard Lift	(m)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Net Weight	(kg)	5.7	5.9	8.0	11.2	13.6	26.0	40.0
Gross Weight	(kg)	6.1	6.3	8.5	11.6	14.2	26.6	46.5
Extra Wt. per m	(kg)	0.7	0.7	1.1	1.7	2.3	4.7	7
Dimensions	a (mm)	146	146	164	179	196	196	196
	b (mm)	119	119	126	150	159	218	298
	c (mm)	41.5	49.4	52	58.6	61.9	84.3	-
	d (mm)	280	300	335	375	395	540	680
	e (mm)	245	245	265	265	415	415	415
	f (mm)	96	96	100	103	114	114	114
	g (mm)	26.5	31.5	35.5	41	43	53	64
	h (mm)	35.5	42.5	42.5	47	50	60	85
	i (mm)	14	15	19	21	24.5	34	40

### Comparison of Model KIT-III and K-V (%)

Type	KIT-III 008	K-V 008	KIT-III 015	K-V 016	KIT-III 030	K-V 025	KIT-III 030	K-V 032
Net Weight	-8.1		-16.7		-27.7		-3.2	
Length of Lever Handle	-7.5		-36.1		-36.1		+0	
Height of Lever Hoist	-5.9		-6.5		-11.3		-2.3	
Min. Headroom between Hooks	+0		-4.3		-10.7		-6.0	

AKITA



## LEVER HOIST VIT-II

**A dependable lever hoist  
with capacities and features that make it ideal for  
all industrial lifting, pulling and position applications.**

### Standard Features:

- Meets all pertinent world standards
- All steel construction for external impact resistance
- High-strength, cold-formed, stamped steel construction makes it lighter in weight yet impact resistant for longer life
- Open frame design provides access for easy cleaning and inspection
- 360° degree handle rotation with short stroke to ratchet loads
- Rubber grip handle for a better comfortable operation, even without glove
- Easy free chaining operation

### Improved Features:

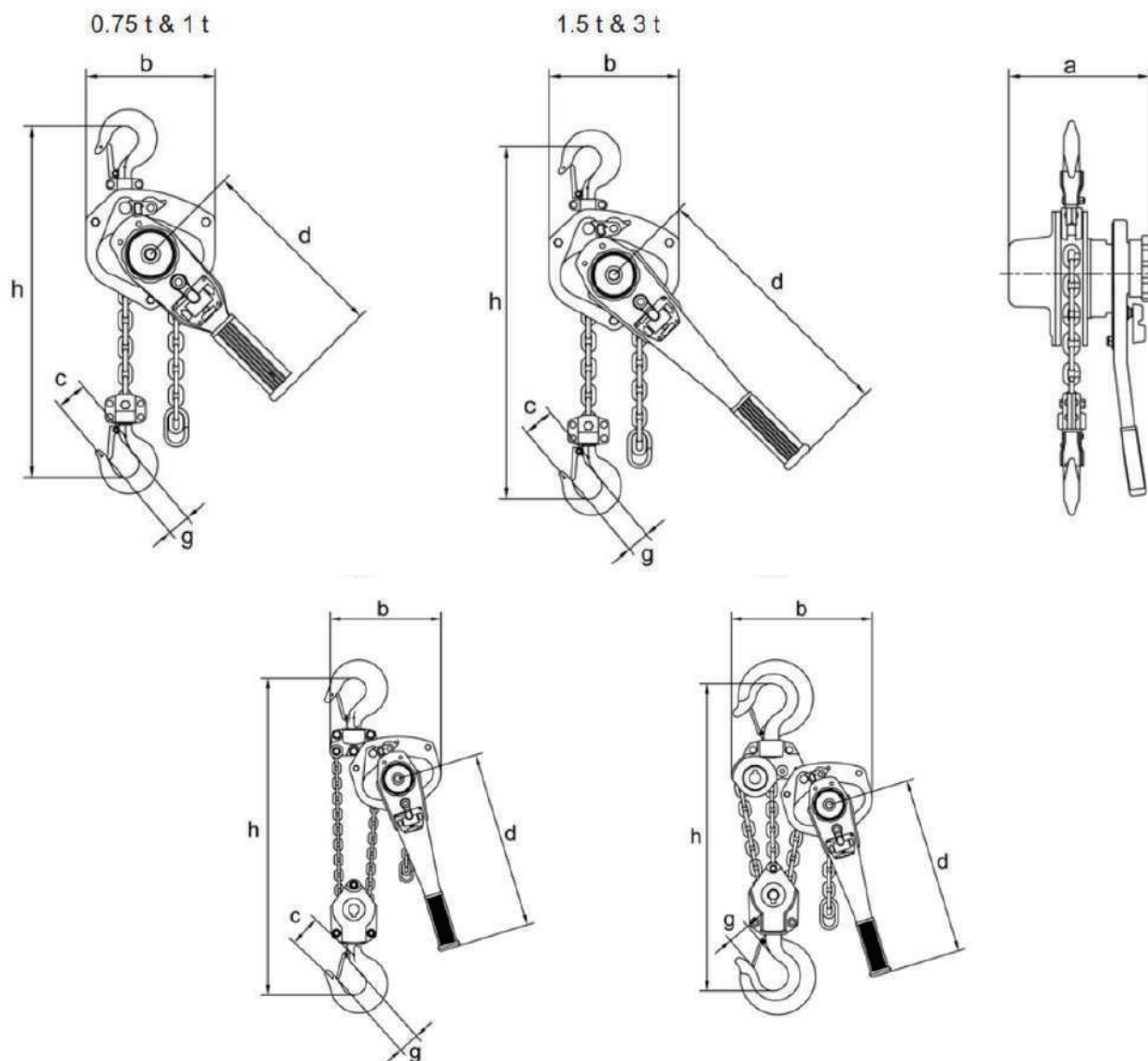
- Reinforced pinion shaft #8
- 360° rotation handle needs only 15 position loads, an advantage in tight places
- All the load chains are grade 100
- Forged alloy steel hooks have wide throat opening with deformation indicators. Hooks are designed to spread at 270-350% of the rated load to indicate a clear visual warning of hoist overload

### Optional Features:

- Overload Protection System
- Zinc Plated Load Chain
- Cast Latches
- Cast Enlarged End Ring
- Shipyard hook 1.5 t & 3 t
- Thrust Bearings in Bottom Hook Assembly



**AKITA**



Capacity	(tonnes)	0.75	1	1.5	3	6	9
Model No.		VIT075	VIT100	VIT150	VIT300	VIT600	VIT900
No. of Falls		1	1	1	1	2	3
Load Chain	(mm)	6.3 x 19	6.3 x 19	7.1 x 21	9 x 27	9 x 27	9 x 27
Load Chain Grade		100	100	100	100	100	100
Pull to Rated Load	(N)	150	204	193	409	420	430
Proof Load	(tonnes)	1.13	1.5	2.25	4.5	9.0	13.5
Standard Lift	(m)	1.5	1.5	1.5	1.5	1.5	1.5
Net Weight	(kg)	6.9	7.1	9.7	16.3	26.7	38.5
Extra Wt. per m	(kg)	0.86	0.86	1.1	1.76	3.52	5.28
Dimensions	a	(mm)	148	148	163	191	191
	b	(mm)	128	128	148	181	314
	c	(mm)	37	45	47	62	-
	d	(mm)	256	256	368	368	368
	g	(mm)	28	33	33.5	43.5	64
	h	(mm)	295	310	335	405	680

AKITA



## LEVER HOIST KX

### The Smallest Lever Hoist in the World

#### Advanced gear reduction system

with 5 gears in the gear box  
Most of the other 250 kg lever hoist consists of 2 gears or without gear.

#### Double Pawl

higher safety standard  
The other 250 kg lever hoist is single pawl.

#### 4 links load sprocket

more stable in lifting and longer life for the load chain, especially for the 250 kg hoist  
The other 250 kg lever hoist has 3 links load sprocket.

#### All the rotating parts are fitted with abrasion resistant bush

#### All the main parts and gears are made of alloy steel and heat treated

More durable and longer life

#### Li & MoS<sub>2</sub> grease

Suitable to work in high & low temperature environment

#### Operational test

Each hoist is conducted an operational test at 150% of the rated capacity

#### Endurance test

The hoist shall withstand 1,500 cycles with 110% of the rated capacity at least 300mm per cycle  
Most of the other hoists cannot pass the endurance test

#### Aluminum alloy steel cover

The lightest weight in the world  
1.5 kg only for 250 kg lever hoist

The lightest  
in the world  
**1.5kg**  
Only!  
(KX025)

#### Alloy steel side plate with heat treated

higher durability  
The other lever hoists are made of high carbon steel.

**140mm**  
Only!  
(KX025)

#### The shortest handle

140mm for 250 kg lever hoist

#### Galv. load chain

Grade 80 or 100  
Customers can choose either one of them.

#### More compact and durable

Load sprocket and the load gear are combined as an integral part of the 250 kg lever hoist

#### Heavy duty carry bag

for 250 kg lever hoist  
Option for 500 kg & 750kg

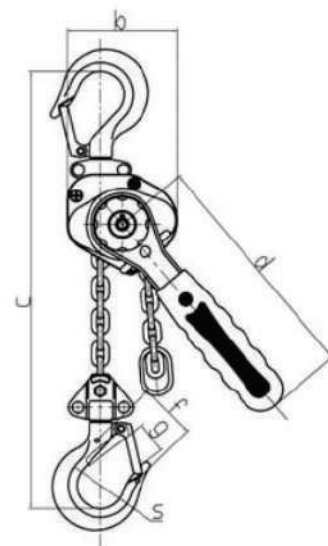
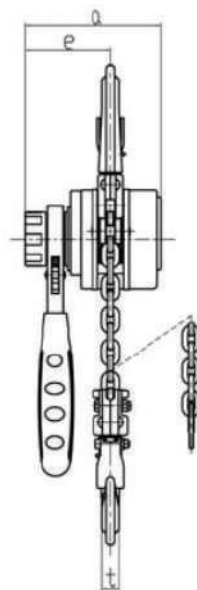
#### Optional Feature

Zinc Plated Load Chain  
Cast latches



**AKITA**

Disc gear and pinion gear are in 1 piece for 250 kg lever hoist.



Capacity		(kg)	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 19.9
Pull to Rated Load		(N)	200	240	290	320
Proof Load		(kg)	375	750	1,125	2,250
Standard Lift		(m)	1	1.5	1.5	1.5
Net Weight		(kg)	1.45	2.5	3.4	6.27
Gross Weight		(kg)	1.65	2.7	3.6	6.5
Extra Wt. per m		(kg)	0.22	0.37	0.54	1.1
Dimensions	a	(mm)	87	100.5	105	122
	b	(mm)	68	81	92	109
	c	(mm)	200	250	260	330
	d	(mm)	145	160	180	220
	e	(mm)	55.5	62.5	64	68.5
	f	(mm)	35.5	42	42	52
	g	(mm)	21	24.5	28.5	35
	s	(mm)	32	34.5	35.5	42.5
	t	(mm)	11	12	14	21.5



## LEVER HOIST YAL 250 kg & 500 kg



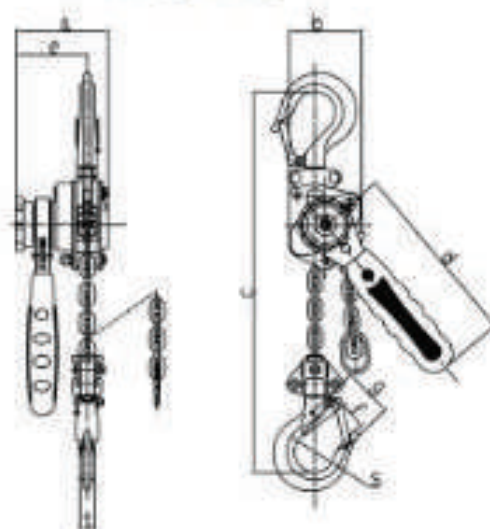
### Special Feature:

Load sprocket and pinion shaft are in 1 piece for 250 kg lever hoist



Capacity	(kg)	250	500
Model No.		YAL025	YAL050
No. of Fall		1	1
Load Chain	(mm)	4 x 12	4.3 x 12
Pull to Rated Load	(N)	270	300
Proof Load	(kg)	375	750
Standard Lift	(m)	1.5	1.5
Net Weight	(kg)	1.94	2.30
Gross Weight	(kg)	2.0	2.55
Extra Wt. per m	(kg)	0.38	0.45
Dimensions	a (mm)	78.5	95
	b (mm)	62	65
	c (mm)	210	255
	d (mm)	150	215
	e (mm)	61	65
	f (mm)	21	24.5
	g (mm)	35.5	42
	h (mm)	32	34.5
	i (mm)	11	12

250 kg & 500 kg



# AKITA