

VITAL® Designed to Fit in the Palm of Your Hand.

NICE LEVER NR2 0.25t-0.5t (Petit)

For plated parts,
we use
trivalent chromate
treatment,
which is
environment friendly.



Patented Device

VITAL brand is registered worldwide.

**Automatic free pulley
requires no special
release operation.
Greatly improves work
efficiency!**

**Nice Lever offers following
exceptional features!**

1. Automatic switching to free pulley mode.

Simply remove the load from the bottom hook and pull the chain to automatically switch to free pulley mode.

The winch automatically switches back to normal mode when a load is placed on the bottom hook. Automatic switching greatly improves work efficiency.

2. Easy maintenance.

The free pulley mechanism has only a few parts, making disassembly and repair a quick and easy process.

3. Plated chain.

The winch chain is tough-pitch plated to prevent rusting and ensure continuous smooth operation.

**For transportation and
architectural work
For equipment installation work
For outside work
For use as emergency equipment**



Lifting



Lowering



Fastening



Pulling

NICE LEVER **VITAL**

NR2

0.25t-0.5t

petit

Product Reliability (The Vital Policy)

- All Vital Nice Levers use optimum, high quality material for the chain, hook, press and other sections, and are manufactured using the latest processing technologies.
- We carefully check each and every product before shipping.

Differences that make a difference!

1. Automatic Free Pulley Snapback

Just turn the switching lever to neutral (N) to put the winch in automatic free pulley mode, making it possible to easily adjust the chain length. A patented mechanism means you don't have to keep your hand on the lever while the winch is in free pulley mode.

2. Completely Sealed Break Unit

With conventional systems, there is the danger of something hitting the brake lever and causing the load to drop. This can never happen with our completely sealed brake unit, not even rain and dust can get into the unit.

3. The Switching Unit Is Sealed inside the Lever Section

With the exception of the switching lever, all parts of the switching unit are sealed inside the lever section, completely out of sight, so dirt and dust can not get into the switching unit.

4. Steel Plates on the Chain Ends

The chain ends have symmetrical pear-shaped steel plates that resist bending even when overloaded, preventing dangerous chain slippage.



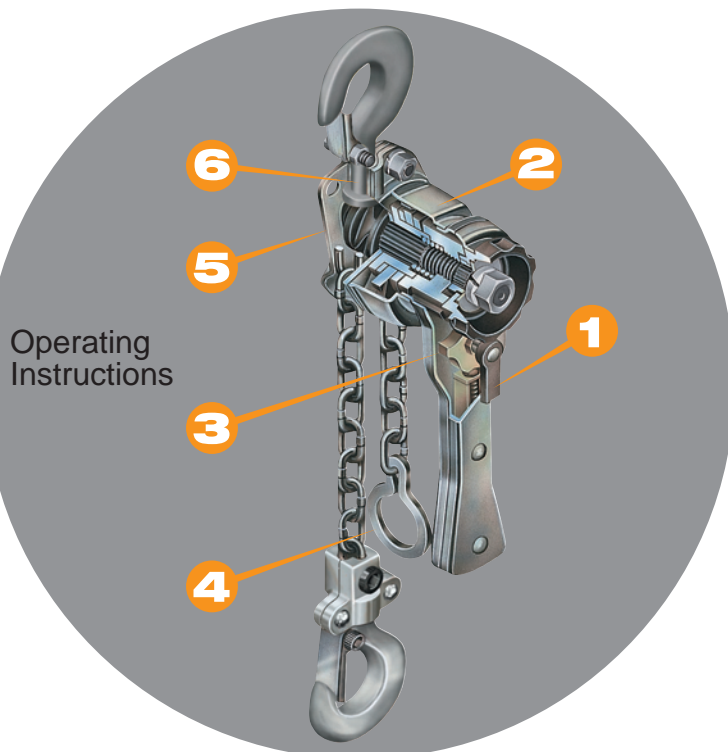
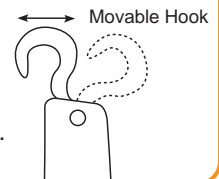
5. Sealed Body

The sealed body prevents rain and dirt from entering the winch mechanism, ensuring smooth chain travel and an easy to hold design.

6. Easy Catch Hook

The end of the hook is directly connected to the winch body so that it does not move.

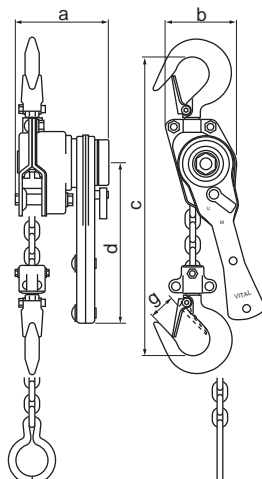
This makes it possible to attach the hook with one hand, eliminating the need to hold the hook and winch separately.



Operating Instructions

Specifications

Model Number		NR2-03	NR2-05	
Capacity	(t)	0.25	0.5	
Standard Lift	(m)	1.0	1.5	
Net Weight	(kg)	1.9	3.5	
Min. Distance between Hooks	(mm)	230	260	
Pull Required to Lift Full Load	(kgf)	30	34	
	(N)	294	333	
Chain thickness	(mm)	4.0	5.0	
Dimension	a	(mm)	85	108
	b	(mm)	65	82
	c	(mm)	230	260
	d	(mm)	151.5	267
	g	(mm)	24	27



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

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

Since 1933
VITAL CHAIN BLOCK MFG.CO.,LTD.



VITAL®

**NICE POWER!
NICE LEVER!**



For plated parts,
we use
trivalent chromate
treatment,
which is
environment friendly.

Patented Device

VITAL brand is registered worldwide.

0.25t→9t NICE LEVER NR2

Automatic free pulley
requires no special
release operation.
Greatly improves
work efficiency!
The best you'll find.

**Nice Lever offers following
exceptional features!**

1. Automatic switching to free pulley mode.

Simply remove the load from the bottom hook and pull the chain to automatically switch to free pulley mode. The winch automatically switches back to normal mode when a load is placed on the bottom hook. Automatic switching greatly improves work efficiency.

2. Easy maintenance.

The free pulley mechanism has only a few parts, making disassembly and repair a quick and easy process.

3. Plated chain.

The winch chain is tough-pitch plated to prevent rusting and ensure continuous smooth operation.

4. Locked chain release mechanism.

If the chain locks due to an impacting load, simply move the lever by hand to release the chain.

5. Knobbed hook.

The winch hook is equipped with an anti-slip knob. Even if the hook is stretched slightly, the wire rope catches on the anti-slip knob to prevent it from slipping off the hook, ensuring safe operation.



NR2 0.25t (Petit)

NICE LEVER NR2

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



0.8~1 t



1.6 t



3.2 t



6.3 t



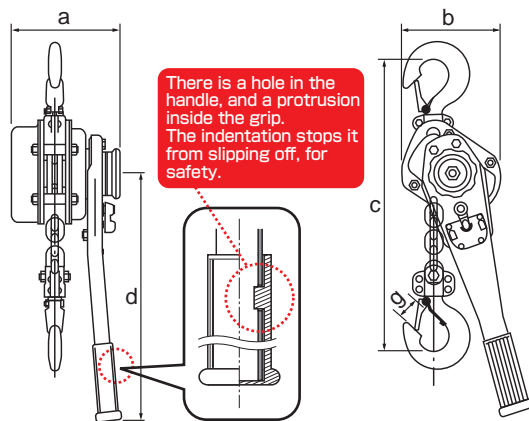
9 t



NR2 0.5t

Specifications

Model Number	NR2-03	NR2-05	NR2-08	NR2-10	NR2-15	NR2-30	NR2-60	NR2-90	
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	195
	b (mm)	65	82	119	126	146	180	243	318
	c (mm)	230	260	295	325	350	425	565	660
	d (mm)	151.5	267	256	256	368	368	368	368
	e (mm)	24	27	27	30	34	43	47	67



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



0.8t → 6.3t

V LEVER

VR2

VITAL
LEVER

Lever hoists

Light Weight, High Quality!

For plated parts,
we use
trivalent chromate
treatment,
which is
environment friendly.



Lifting



Lowering



Fastening



Pulling



VITAL brand is registered worldwide.

For Lifting, Lowering, Fastening and Pulling.

VITAL[®]
LEVER

Lever hoists

V LEVER VR2

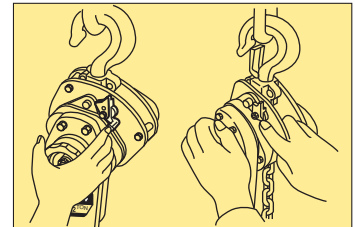
Idling operation:

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



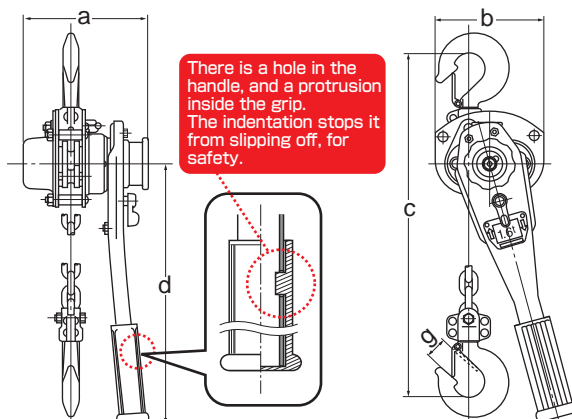
6.3 t

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	
Pull 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.



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Since 1933

VITAL CHAIN BLOCK MFG.CO.,LTD.

A powerful helper!

HIGH QUALITY

VITAL[®]

HAND CHAIN HOISTS

VH5

For plated parts,
we use
trivalent chromate
treatment,
which is
environment friendly.



Moving products
from one place
to another



Uprooting trees



Installing under-
water pump



Laying conduits
and pipelines



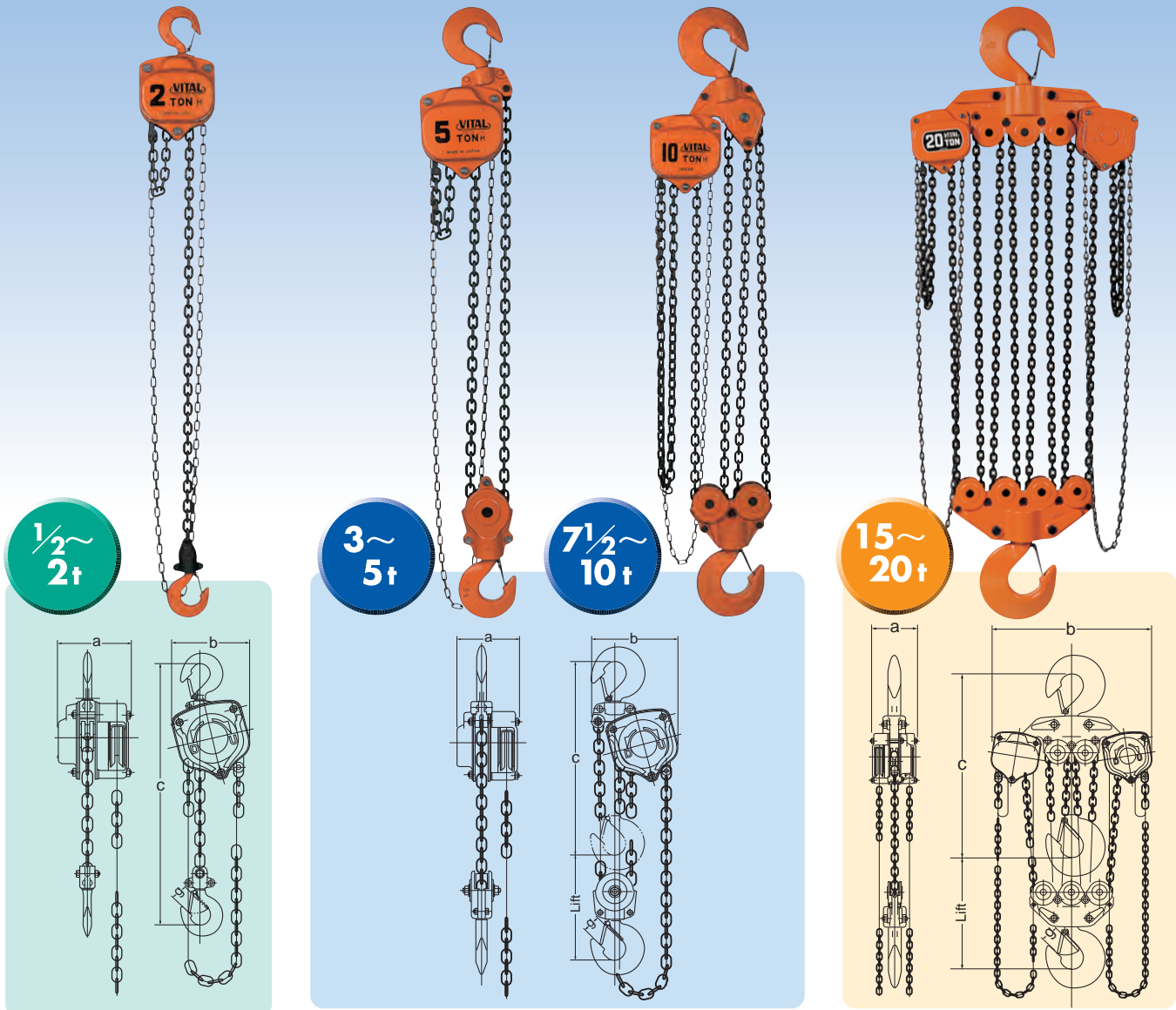
JQA-QM 4488

VITAL brand is registered worldwide.

VITAL CHAIN BLOCK MFG.CO.,LTD.

All over the world!

VITAL CHAIN BLOCK **VH5** Series.



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	VH5-05	2.5	8.6	9.0	25	245	305	129	145	27	0.75
1	VH5-10	2.5	11.5	12.0	33	324	345	149	158	30	1.5
1 1/2	VH5-15	2.5	13.8	14.5	34	333	370	149	177	34	2.25
2	VH5-20	3.0	21.6	22.5	34	333	425	181	204	37	3.0
3	VH5-30	3.0	23.0	23.7	35	343	505	149	208	43	4.5
5	VH5-50	3.0	41.0	42.5	39	382	635	181	263	47	7.5
7 1/2	VH5-75	3.5	60.5	68.0	41	402	740	181	354	67	9.5
10	VH5-90	3.5	78.0	85.0	41	402	760	181	367	67	12.5
15	VH5-92	3.5	150.0	174.0	41 × 2	402 × 2	850	209	730	84	18.75
20	VH5-93	3.5	190.0	220.0	41 × 2	402 × 2	870	209	858	84	25.0

Hoists with the lift in other lengths are also available.

'VH' Series.....With a High-hardened special alloy steel load chain,
and equipped

With a thrust bearing on the bottom hook
(Only for the capacity up to 10 tons).

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

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HIGH QUALITY

VITAL®

HAND CHAIN HOISTS

VL5

VL5 is the chain block of the wonderful performance.

For plated parts,
we use
trivalent chromate
treatment,
which is
environment friendly.



Moving products from one place to another



Uprooting trees



Installing underwater pump



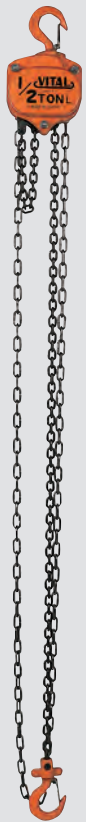
Laying conduits and pipelines



Needle bearings on load sheave

VITAL brand is registered worldwide.

VITAL CHAIN BLOCK VL5 Series



1/2 t



1 t



2 t



3 t



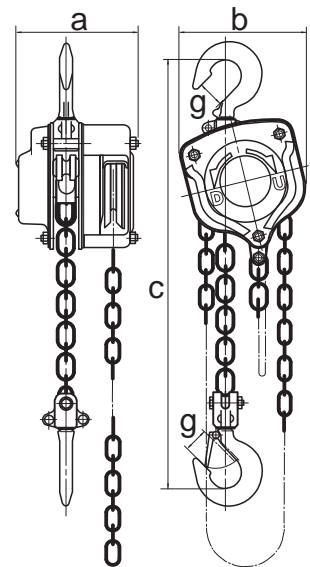
5 t



10 t

Specifications

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	VL5-05	2.5	8.3	8.7	25	245	285	129	145	27	0.75
1	VL5-10	2.5	11.3	11.8	33	324	315	149	158	30	1.5
1 1/2	VL5-15	2.5	13.5	14.0	34	333	340	149	177	34	2.25
2	VL5-20	3.0	21.0	22.2	34	333	380	181	204	37	3.0
3	VL5-30	3.0	22.0	22.7	35	343	475	149	208	43	4.5
5	VL5-50	3.0	40.0	41.5	39	382	600	181	263	47	7.5
7 1/2	VL5-75	3.5	59.0	66.5	41	402	700	181	354	67	9.5
10	VL5-90	3.5	77.0	84.5	41	402	740	181	367	67	12.5



Hoists with the lift in other lengths are also available.
 "VL5" Series ···· With a hardened special alloy steel load chain.

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A powerful helper!

HIGH QUALITY

VITAL[®]

HAND CHAIN HOISTS

VP5



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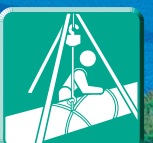
Moving products
from one place
to another



Uprooting trees



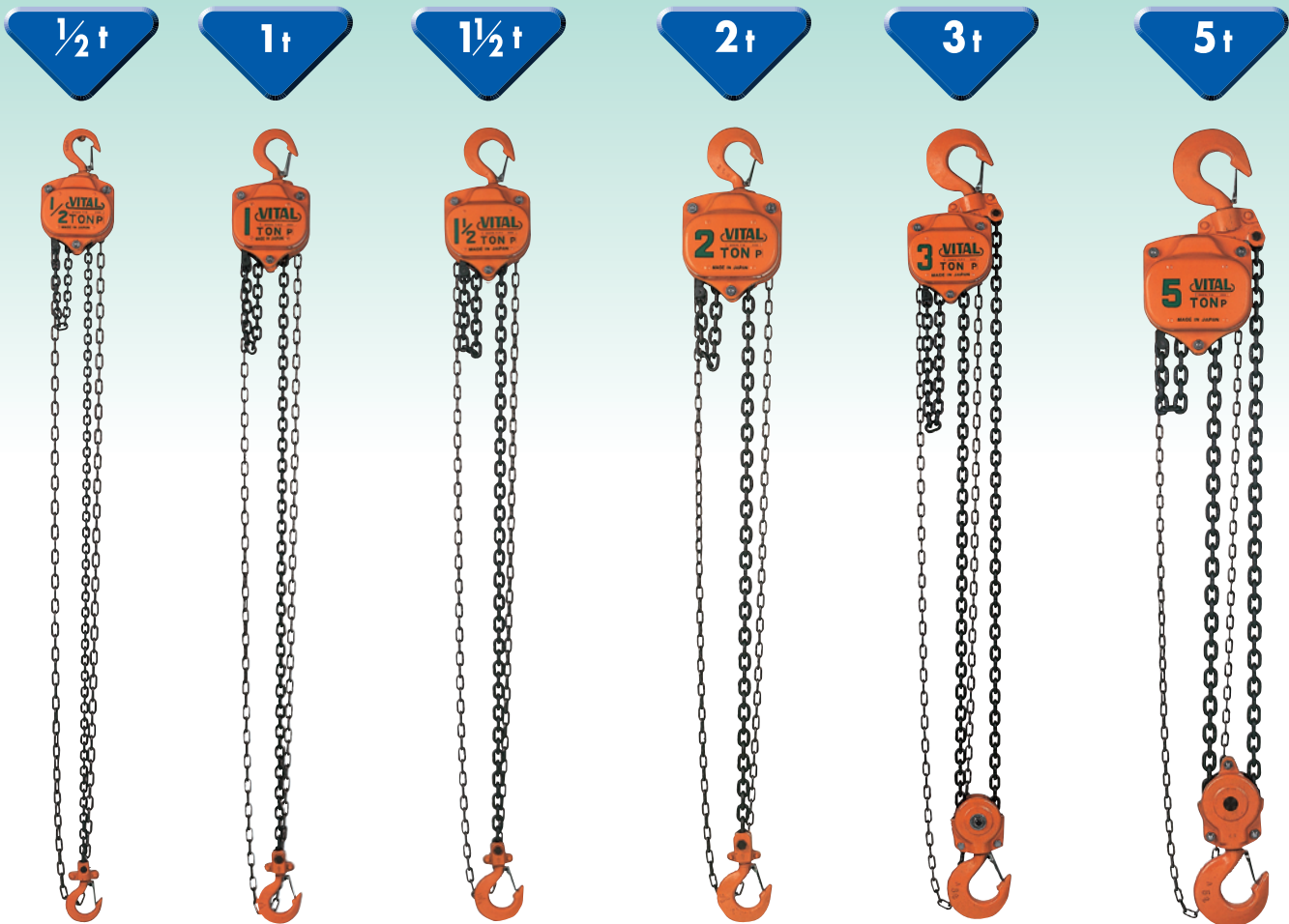
Installing under-
water pump



Laying conduits
and pipelines

VITAL brand is registered worldwide.

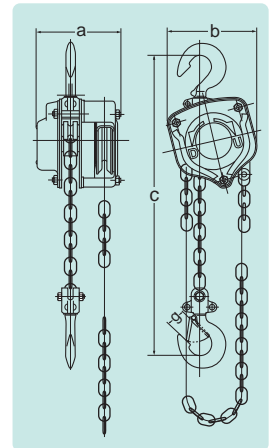
VITAL CHAIN BLOCK **VP5** Series.



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



Hoists with the lift in other lengths are also available.

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CAT. NO. VP-2012-04



Since 1933

VITAL CHAIN BLOCK MFG.CO.,LTD.

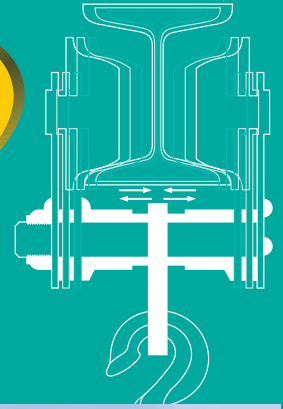
VITAL[®] Safety Trolley

**Strong, safe lateral load transportation!
Freely adjusts to a wide-range
of rail widths!**

A-Type

- Can be adjusted to 9 types of rail widths.
- Extremely easy work-site installation.
- Uses high-quality sealed ball bearings.
- Compatible with I-beam and H-beam rails.
- Easily travels over minor rail surface irregularities.

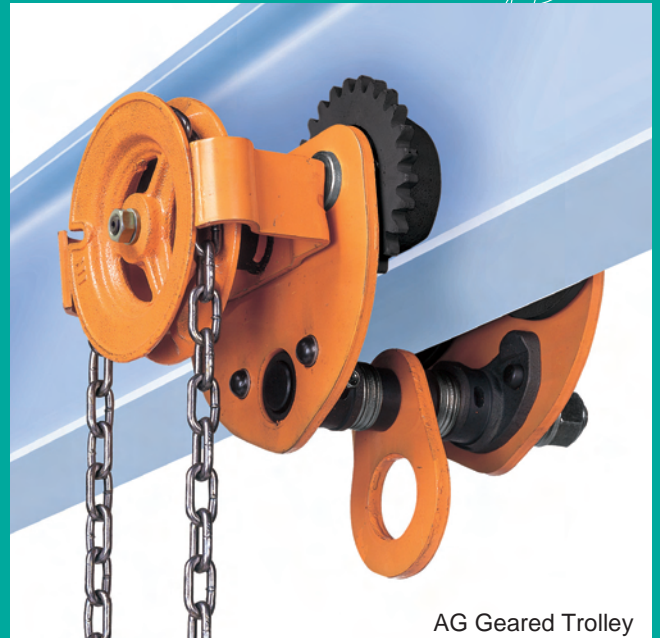
**Compatible
with 9 types of
rail widths!**



Patented Design



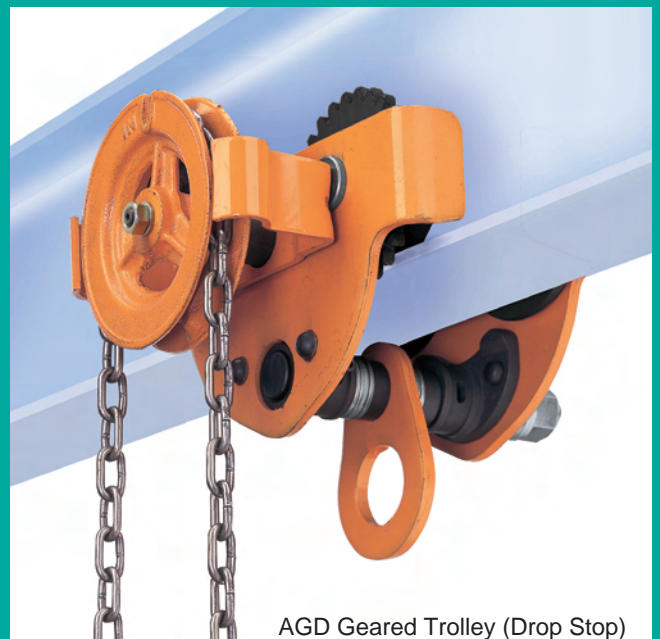
AP Plain Trolley



AG Geared Trolley



APD Plain Trolley (Drop Stop)



AGD Geared Trolley (Drop Stop)

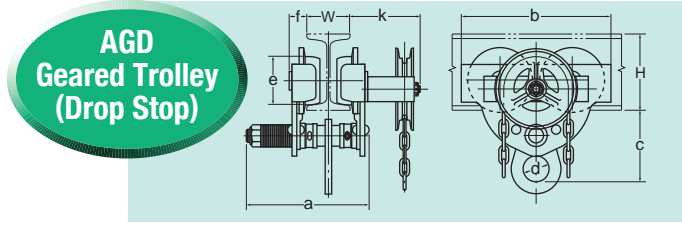
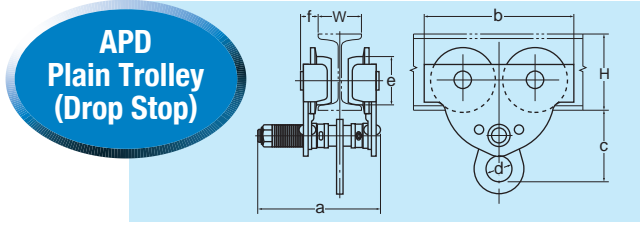
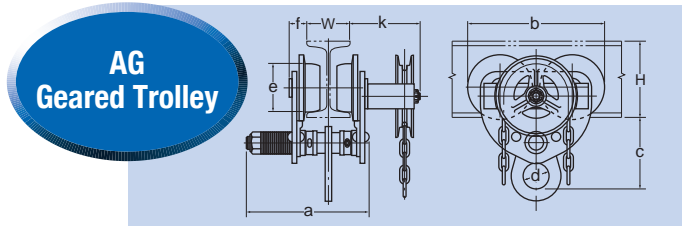
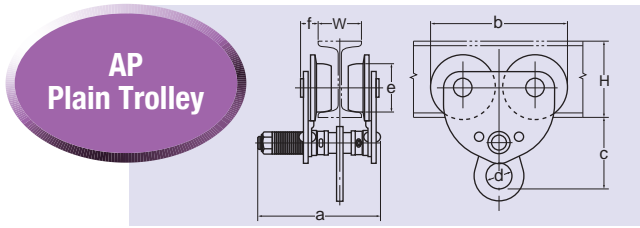
VITAL brand is registered worldwide.

ISO 9001 Certificate No. JQA-QM4488



VITAL CHAIN BLOCK MFG.CO.,LTD.

Great for laterally transporting freight!



Type	Load Cap. (t)	Compatible Rail Size (mm)				Dimensions (mm)							min. Rotation Radius (mm)	N/W (kg)	Model Number
		Width (W)		Height (H)		a	b	c	d ϕ	e ϕ	f	k			
		min.	max.	min.	max.										

Plain Trolley

Type	Load Cap. (t)	Width (W)		Height (H)		a	b	c	d ϕ	e ϕ	f	k	min. Rotation Radius (mm)	N/W (kg)	Model Number
		min.	max.	min.	max.										
AP	1/2	75	125	100	150	207	174	120	45	55	28.5	—	900	6.0	AP-05
	1	75	125	125	250	207	230	120	45	80	28.5	—	1300	10.0	AP-10
	2	100	150	150	400	241	271	155	60	100	33	—	1500	18.5	AP-20
	3	100	150	180	400	252	311	185	70	113	40.5	—	2000	27.0	AP-30
	5	125	175	250	450	284	351	220	80	125	42.5	—	2600	44.0	AP-50
	10	150	175	250	450	284	721	165	63	125	42.5	—	—	96.0	AP-90
APD	1/2	75	125	100	150	207	196	120	45	55	28.5	—	900	7.0	APD-05
	1	75	125	125	250	207	253.5	120	45	80	28.5	—	1300	10.8	APD-10
	2	100	150	150	400	241	300	155	60	100	33	—	1500	19.5	APD-20
	3	100	150	180	400	252	349	185	70	113	40.5	—	2000	30.0	APD-30
	5	125	175	250	450	284	395	220	80	125	42.5	—	2600	48.0	APD-50
	10	150	175	250	450	284	765	165	63	125	42.5	—	—	100.0	APD-90

Geared Trolley

Type	Load Cap. (t)	Width (W)		Height (H)		a	b	c	d ϕ	e ϕ	f	k	min. Rotation Radius (mm)	N/W (kg)	Model Number
		min.	max.	min.	max.										
AG	1	75	125	125	250	207	230	120	45	80	28.5	108	1300	14.0	AG-10
	2	100	150	150	400	241	271	155	60	100	33	109.5	1500	23.5	AG-20
	3	100	150	180	400	252	311	185	70	113	40.5	113	2000	33.5	AG-30
	5	125	175	250	450	284	351	220	80	125	42.5	113	2600	53.5	AG-50
	10	150	175	250	450	284	721	165	63	125	42.5	113	—	101.0	AG-90
AGD	1	75	125	125	250	207	253.5	120	45	80	28.5	108	1300	15.0	AGD-10
	2	100	150	150	400	241	300	155	60	100	33	109.5	1500	25.0	AGD-20
	3	100	150	180	400	252	349	185	70	113	40.5	113	2000	35.9	AGD-30
	5	125	175	250	450	284	395	220	80	125	42.5	113	2600	57.6	AGD-50
	10	150	175	250	450	284	765	165	63	125	42.5	113	—	105.0	AGD-90

Adjusting the Trolley for the Rail Size

Load Capacity (t)	Washer Combination Category Corresponding to Rail Width (W) (mm) (See drawings below.)									
	(min.)	A	B	C	D	E	F	G	H	(max.) I
1/2	75	81.3	87.5	93.8	100	106.3	112.5	118.8	125	125
1	75	81.3	87.5	93.8	100	106.3	112.5	118.8	125	125
2	100	106.3	112.5	118.8	125	131.3	137.5	143.8	150	150
3	100	106.3	112.5	118.8	125	131.3	137.5	143.8	150	150
5	125	131.3	137.5	143.8	150	156.3	162.5	168.8	175	175
10	150	156.3	162.5	168.8	—	—	—	—	—	175

Measure the rail width. Locate the rail width in the row corresponding to the trolley size to find the washer combination category (A to I) for that trolley size. Then refer to the illustration corresponding to the washer combination category for the number of washers and washer placement needed to adjust the trolley size. (See the separate table for 10-ton trolleys.)

Washer combinations for 10-ton trolleys.

	i	ii	iii
A	8	0	0
B	6	1	1
C	4	2	2
D	2	3	3
I	0	4	4

※Improvements and modifications may be made to this product without notification.

Sales Agent

Vital makes long-lasting products that provide minimum per-use cost.



Since 1933
VITAL CHAIN BLOCK MFG.CO.,LTD.
<http://www.vital.co.jp>

Hang a chain block



Head for 3 legs

V-HANGER

Ready for use if you have wood poles or metal pipes

For 1 ton

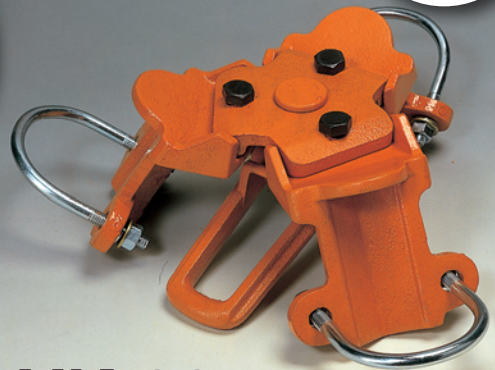


VK-10 (max. 1 ton load)

Simple
High
Efficiency

For plated parts, we use trivalent chromate treatment, which is environment friendly.

For 2 tons



VK-20 (max. 2 ton load)

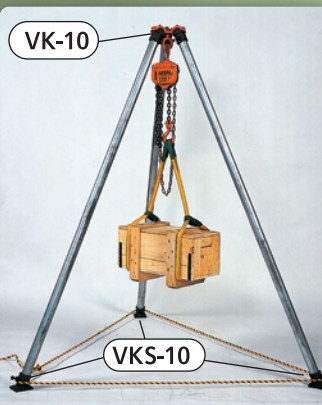
For 1 ton



VKS-10

(Sold separately)

1 set (3 parts)
Spikes (nonslip)



Use example for 1 ton



Use example for 2 ton

Used for various jobs, at various sites



Pull out trees



Install submerged pumps



Hume pipe burial construction

Hang a chain block



How to use

VK-10

(For 1 ton)

- ① Get 3 metal pipes (for legs or for gas pipe) of 48.6mm diameter and approximately 3mm thick.
- ② Insert the pipes in the joints and firmly tighten the bolts.
Keep the pipes upright and firmly tie the legs together with ropes between them.

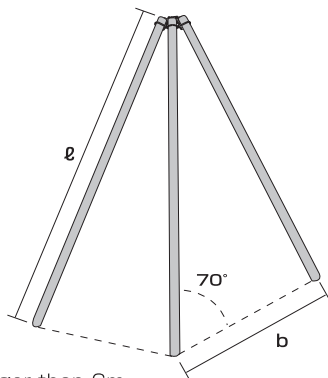
VK-20

(For 2 tons)

- 1 Get 3 wood poles/metal pipes (approximately 4mm thick)
- 2 Insert the tips of the pipes so they hit the joint backs, and firmly tighten using U bolts.
- 3 After completing steps 1 and 2, decide the position of legs and stand up the structure.
Firmly tie the legs together with rope between them.

Leg data

ℓ	b
2.0m	1.5m
3.0m	2.1m
4.0m	2.7m
5.0m	3.3m
6.0m	3.9m



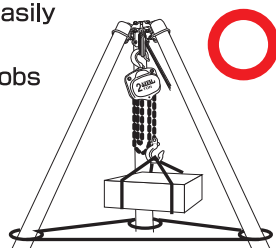
※Do not use a pipe longer than 6m, because it increases the load.

Specifications

Model	For 3 legs	
Code	VK-10	VK-20
Rated load	1 ton	2ton
Legs used (Get them separately)	<ul style="list-style-type: none"> •Metal pipe •Diameter 48.6mm •About 3mm thick 	<ul style="list-style-type: none"> •Wood poles, or metal pipe (about 4mm thick) •(Diameter: min.70mm, max.90mm)
Own weight	5.0kg	9.0kg

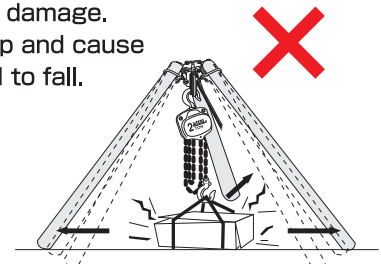
Precautions during use

Firmly tie the legs together with a rope so that they do not spread too wide apart. For 1 ton, the legs can be easily tied with ropes by fitting separately sold non-skid knobs (spikes) on the legs.



If the legs are not tied with rope on solid ground,

- ① The legs may spread too wide apart and cause damage.
- ② The legs may slip and cause the hanging load to fall.



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